

List of Journal Papers

1. Sharma, Mukesh; Sharma, Rushil; McBean, Edward A.; Enhancing Confidence in Drinking Water Quality for Improved Risk Decisions, HUMAN AND ECOLOGICAL RISK ASSESSMENT, 20 5, 1281-1290, 10.1080/10807039.2013.828514, SEP 3 2014.
2. Nag, Soumya Shubhra; Mishra, Santanu, Current-Fed Switched Inverter, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 61, 9, 4680-4690, 10.1109/TIE.2013.2289907, SEP 2014.
3. Johari, Anima; Srivastav, Simant; Sharma, Manish; Bhatnagar, Mukesh C; Synthesis and room-temperature ferromagnetism of pure and Cu-doped SnO₂ nano wires grown by thermal evaporation, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 362, 1-6, 10.1016/j.jmmm.2014.02.081, AUG 2014.
4. Gupta, K. K.; Abba, S. M.; Goswami, T. H.; Abhyankar, A. C. Micro wave absorption in X and Ku band frequency of cotton fabric coated with Ni-Zn ferrite and carbon formulation in polyurethane matrix JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 362, 216-225, 10.1016/j.jmmm.2014.03.040 AUG 2014.
5. Srivastava, Dhananjay Kumar; Wintner, Ernst; Agarwal, Avinash Kumar, Effect of focal size on the laser ignition of compressed natural gas-air mixture, OPTICS AND LASERS IN ENGINEERING, 58,677910.1016/j.optlaseng.2014.01.023, JUL 2014.
6. Bose, A.; Nirmalkar, N.; Chhabra, R. P, Forced Convection from a Heated Equilateral Triangular Cylinder in Bingham Plastic Fluids, NUMERICAL HEAT TRANSFER PART A-APPLICATIONS , 66, 1,107-129, 10.1080/10407782.2013.869436, JUL 1 2014.
7. Kumar, Ashutosh; Akhtar, M. Jaleel, Microwave Imaging of Stratified Media From Band-Limited Reflection Coefficient Data, IEEE GEOSCIENCE AND REMOTE SENSING LETTERS,11,7,1255-1259,10.1109/LGRS.2013.2290997, JUL 2014.
8. Gupta, R. P.; Banerjee, Malay; Chandra, Peeyush, Period doubling cascades of prey-predator model with nonlinear harvesting and control of over exploitation through taxation, COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, 19,7, 2382-2405, 10.1016/j.cnsns.2013.10.033, JUL 2014.
9. Kudeshia, Ankit; Jagannatham, Aditya K, Optimal Viterbi Based Total Variation Sequence Detection (TVSD) For Robust Image/Video Decoding In Wireless Sensor Networks, IEEE SIGNAL PROCESSING LETTERS, 21,6,722-726, 10.1109/LSP.2014.2313887, JUN 2014.
10. Guha, Suman; Sangal, Sandeep; Basu, Sumit, On the fracture of small samples under higher order strain gradient plasticity, INTERNATIONAL JOURNAL OF FRACTURE, 187,2, 213-226, 10.1007/s10704-014-9933-9, JUN 2014.
11. Mahaling, Binapani; Katti, Dharendra S, Fabrication of micro-structures of poly [(R)-3hydroxybutyric acid] by electro-spraying/-spinning: understanding the influence of polymer concentration and solvent type, JOURNAL OF MATERIALS SCIENCE, 49, 12, 4246-4260, 10.1007/s10853-014-8120-8, JUN 2014

12. Mukherjee, J.; Chakraborty, S.; Chakravarty, S.; Ranjan, A.; Das, P. K, Mechanical and tribological properties of silicon carbide coating on Inconel alloy from liquid pre-ceramic precursor, CERAMICS INTERNATIONAL, 40 ,5, 6639-6645,10.1016/j.ceramint.2013.11.121, JUN 2014.
13. Sengupta, Tapan K.; Bhole, Ashish, Error dynamics of diffusion equation: Effects of numerical diffusion and dispersive diffusion, JOURNAL OF COMPUTATIONAL PHYSICS, 266, 240-251, 10.1016/j.jcp.2014.02.021, JUN 1 2014.
14. Srinivasu, P. D. N.; Kumar, G. Kiran, Bio-economics of a renewable resource subjected to strong Allee effect, COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, 19, 6, 1686-1696, 10.1016/j.cnsns.2013.10.016, JUN 2014.
15. Mallik, Sanjeev Kumar; Chakrabarti, Saikat; Singh, Niwas, A Robust Regularized Hybrid State Estimator for Power Systems, ELECTRIC POWER COMPONENTS AND SYSTEMS,42, 7,671-68110.1080/15325008.2014.890968, MAY 19 2014.
16. Reddy, Ch. V. V. S. Bhaskara; Srivastava, S. C.; Chakrabarti, Saikat, Fast Assessment of Available Transfer Capability Using Synchrophasor Measurements, ELECTRIC POWER COMPONENTS AND SYSTEMS, 42, 7, 716-726, 10.1080/15325008.2014.890972, MAY 19 2014.
17. Prashar, Paritosh; Yadav, Prem Swaroop; Samarjeet, Fnu; Bandyopadhyay, Amitabha , Microarray meta-analysis identifies evolutionarily conserved BMP signaling targets in developing long bones,DEVELOPMENTAL BIOLOGY, 389,2, 192-207, 10.1016/j.ydbio.2014.02.015, MAY 15 2014.
18. Suchita; Sarbadhikari, Soham; Vijaya, R, Spectral broadening due to intra-cavity four-wave mixing at low pump powers in erbium-doped fiber ring laser, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 28,12 SI,1442008, 10.1142/S0217979214420089, MAY 10 2014.
19. Khan, Sandip; Singh, Jayant K.Singh, Jayant/A-1820-2011, Wetting transition of nanodroplets of water on textured surfaces: a molecular dynamics study, MOLECULAR SIMULATION, 40, 6,458-468,10.1080/08927022.2013.819578, MAY 3 2014.
20. Bhattacharjee, Shayak; Kumar, Krishna, Parametric instability in the Watt governor with periodic loading, EUROPEAN JOURNAL OF PHYSICS, 35, 3,10.1088/0143-0807/35/3/035006,MAY 2014
21. Ranganathan, Madhav; Weeks, John D, Impurity effects in crystal growth from solutions: Steady states, transients and step bunch motion, JOURNAL OF CRYSTAL GROWTH,393,35-41, 10.1016/j.jcrysgro.2013.11.018, MAY 1 2014.
22. Singh, Shiv; Singh, Abhinav; Bais, Vaibhav Sushi Singh; Prakash, Balaji; Verma, Nishith, Multi-scale carbon micro/nanofibers-based adsorbents for protein immobilization, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, 38, 46-54, 10.1016/j.msec.2014.01.042, MAY 1 2014.
23. Misra, A. K.; Tiwari, P. K.; Goyal, Ashish; Shukla, J. B, MODELING AND ANALYSIS OF THE DEPLETION OF ORGANIC POLLUTANTS BY BACTERIA WITH EXPLICIT DEPENDENCE ON DISSOLVED OXYGEN NATURAL RESOURCE MODELING, 27, 2, 258-273 , 10.1111/nrm.12033, MAY 2014.

24. Singh, Sarvesh Kumar; Yadav, Brij Bhan; Srivastava, Manju; Shukla, Pradeep Kumar; Srivastava, Gopal Krishna, Comparative morphological studies on spikes of Indian Selaginella Beauv, PLANT SYSTEMATICS AND EVOLUTION, 300,5,1235-1245 , 10.1007/s00606-013-0958-8, MAY 2014.
25. Jatin; Sudarkodi, Venkatesan; Basu, Sumit, Investigations into the origins of plastic flow and strain hardening in amorphous glassy polymers, INTERNATIONAL JOURNAL OF PLASTICITY, 56,139-155,10.1016/j.ijplas.2013.11.007, MAY 2014.
26. Zaidi, Mohammad G. H.; Thakur, Aparna; Agarwal, Tithi; Alam, Sarfaraz, Synthesis of polypyrrole/polythiophene copolymers in supercritical carbon dioxide, IRANIAN POLYMER JOURNAL, 23,5,365-374, 10.1007/s13726-014-0234-y,MAY 2014
27. Mishra, Ruchi; Kumar, Ashok, Osteocompatibility and osteoinductive potential of supermacroporous polyvinyl alcohol-TEOS-Agarose-CaCl₂ (PTAgC) biocomposite cryogels, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, 25,5,1327-1337,10.1007/s10856-014-5166-8, MAY 2014
28. Kumar, P. Arun; Rathakrishnan, E, Corrugated triangular tabs for supersonic jet control, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING , 228,6, 831-845,10.1177/0954410013480098,MAY 2014.
29. Mahadeokar, Jay; Saxena, Sanjeev, Faster algorithm to find anti-risk path between two nodes of an undirected graph, JOURNAL OF COMBINATORIAL OPTIMIZATION, 27, 4,798-807, 10.1007/s10878-012-9553-0, MAY 2014
30. Bishnoi, Bhupesh; Ghosh, Bahniman, Spin Transport in Lithiated Silicene (Silicel), JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE,11, 5,1271-1274,10.1166/jctn.2014.3493, MAY 2014.
31. Srivastava, Dhananjay Kumar; Agarwal, Avinash Kumar, Comparative experimental evaluation of performance, combustion and emissions of laser ignition with conventional spark plug in a compressed natural gas fuelled single cylinder engine, FUEL , 123, 113-122, 10.1016/j.fuel.2014.01.046, MAY 1 2014.
32. Agarwal, Avinash Kumar; Karare, Himanshu; Dhar, Atul, Combustion, performance, emissions and particulate characterization of a methanol-gasoline blend (gasohol) fuelled medium duty spark ignition transportation engine, FUEL PROCESSING TECHNOLOGY,121,16-24 ,10.1016/j.fuproc.2013.12.014, MAY 2014.
33. Misra, Neeraj; Arshad, Mohd, Selecting the best of two gamma populations having unequal shape parameters, STATISTICAL METHODOLOGY, 18, 41-63, 10.1016/j.stamet.2013.08.008, MAY 2014.
34. Saxena, D.; Bhaumik, Sayak; Singh, S. N, Identification of Multiple Harmonic Sources in Power System Using Optimally Placed Voltage Measurement Devices, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 61,5, 2483-2492, 10.1109/TIE.2013.2270218, MAY 2014
35. Islam, S. K. Firoz; Ghosh, T. K, Thermoelectric properties of an ultra-thin topological insulator, JOURNAL OF PHYSICS-CONDENSED MATTER, 26, 16, 165303, 10.1088/0953-8984/26/16/165303, APR 23 2014.

36. Saha, Uttam; Jaiswal, Rimpa; Singh, Jyoti Prakash; Goswami, Thako Hari, Diisocyanate modified graphene oxide network structure: steric effect of diisocyanates on bimolecular cross-linking degree, JOURNAL OF NANOPARTICLE RESEARCH, 16,5,2404, 10.1007/s11051-014-2404-4, APR 19 2014.
37. Ghorai, Manas K.; Talukdar, Ranadeep; Tiwari, Deo Prakash, A Route to Highly Functionalized beta-Enaminoesters via a Domino Ring-Opening Cyclization/Decarboxylative Tautomerization Sequence of Donor-Acceptor Cyclopropanes with Substituted Malononitriles, ORGANIC LETTERS, 16, 8, 2204-2207, 10.1021/ol5007218, APR 18 2014
38. Bodkhe, Sampada; Rajesh, P. S. M.; Kamle, Sudhir; Verma, Vivek, Beta-phase enhancement in polyvinylidene fluoride through filler addition: comparing cellulose with carbon nanotubes and clay, JOURNAL OF POLYMER RESEARCH, 21,5,434, 10.1007/s10965-014-0434-3, APR 16 2014.
39. Singh, Veer Pal; Ramani, Ramasubbu; Pal, Vijay; Prakash, Asit; Alam, Sarfaraz, Microstructure and Properties of Novel Fluorescent Pyrene Functionalized PANI/P(VDF-HFP) Blend, JOURNAL OF APPLIED POLYMER SCIENCE, 131, 8, 40163, 10.1002/app.40163, APR 15 2014.
40. Thakur, Vijay Kumar; Thakur, Manju Kumari; Gupta, Raju Kumar, Graft copolymers of natural fibers for green composites, CARBOHYDRATE POLYMERS, 104, 87-93, 10.1016/j.carbpol.2014.01.016, APR 15 2014.
41. Chandrasekhar, Vadapalli; Goura, Joydeb; Gopal, Kandasamy; Liu, Junjie; Goddard, Paul, Synthesis, structure and magnetism of the mixed-valent phosphonate cage, [Mn-ii mn(III)12((mu-OHT\ n ph,\ (nu num) FL4 j6kFt,-.....11)60(,/_31 L-1,1.../nok Ji 12)2y(_ .ivii j4j" [2MeOH.4DMF} POLYHEDRON 72,35-42, 10.1016/j.poly.2014.01.017, APR 10 2014.
42. Bhattacharyya, Indrajit; Kumar, Pardeep; Goswami, Debabrata, Effect of isotope substitution in binary liquids with Thermal-Lens spectroscopy, CHEMICAL PHYSICS LETTERS, 598, 35-38, 10.1016/j.cplett.2014.02.056, APR 8 2014.
43. Goura, Joydeb; Walsh, James P. S.; Tuna, Floriana; Chandrasekhar, Vadapalli, Tetranuclear Lanthanide(III) Complexes in a Seesaw Geometry: Synthesis, Structure, and Magnetism, INORGANIC CHEMISTRY, 53,7, 3385-3391, 10.1021/ic4027915, APR 7 2014.
44. Das, Sourav; Dey, Atanu; Biswas, Sourav; Colacio, Enrique; Chandrasekhar, Vadapalli, Hydroxide-Free Cubane-Shaped Tetranuclear [Ln(4)] Complexes, INORGANIC CHEMISTRY, 53,7,3417-3426, APR 7 2014.
45. Kumar, Jitendra; Srivastava, Amit Kumar, Band gap narrowing in zinc oxide-based semiconductor thin films, JOURNAL OF APPLIED PHYSICS, 115,13, 134904 10.1063/1.4870709, APR 7 2014.
46. Roy, Amritendu; Prasad, Rajendra; Auluck, Sushil; Garg, Ashish, Optical anisotropy in bismuth titanate: An experimental and theoretical study, JOURNAL OF APPLIED PHYSICS, 115,13, 133509, 10.1063/1.4870460, APR 7 2014.
47. Srivastava, Manish; Layek, Samar; Singh, Jay; Das, Ashok Kumar; Verma, H. C.; Ojha, Animesh K.; Kim, Nam Hoon; Lee, Joong Hee/Lee, Joong Hee/D-1643-2011, Synthesis, magnetic and Mossbauer spectroscopic studies of Cr doped lithium ferrite nanoparticles, JOURNAL OF ALLOYS AND COMPOUNDS, 591,174-180, 10.1016/j.jallcom.2013.12.180, APR 5 2014.

48. Bhandary, Debdip; Khan, Sandip; Singh, Jayant K, Structure and Dynamics of n-Alkanol Monolayers on a Mica Surface, *JOURNAL OF PHYSICAL CHEMISTRY C*, 118,13,6809-6819, 10.1021/jp412137w, APR 3 2014.
49. Thakur, Vijay Kumar; Thakur, Manju Kumari; Gupta, Raju Kumar, Review: Raw Natural Fiber-Based Polymer Composites, *INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION*, 19,3,256-271,10.1080/1023666X.2014.880016 , APR 3 2014.
50. Mitra, Sharmishtha; Mitra, Amit, M-estimator-based robust estimation of the number of components of a superimposed sinusoidal signal model, *JOURNAL OF APPLIED STATISTICS*, 41,4, 853-878, 10.1080/02664763.2013.856387, APR 3 2014.
51. Mahadevegowda, Surendra H.; Khan, Faiz Ahmed, Synthesis of the tetrahydrofuran unit of varitriol and gamma-butyrolactones from 5-oxabicyclo[2.1.1]hexane derivative via oxidative cleavage reactions, *TETRAHEDRON LETTERS*, 55, 14, 2266-2269, 10.1016/j.tetlet.2014.02.082, APR 2 2014.
52. Telasang, G.; Majumdar, J. Dutta; Padmanabham, G.; Manna, I, Structure-property correlation in laser surface treated AISI H13 tool steel for improved mechanical properties, *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING* ,599, 255-267, 10.1016/j.msea.2014.01.083, APR 2 2014 .
53. Jain, Era; Damania, Apeksha; Kumar, Ashok, Biomaterials for liver tissue engineering, *HEPATOLOGY INTERNATIONAL*, 8,2, 185-197,10.1007/s12072-013-9503-7 ,APR 2014.
54. Ghosh, Subhasish; Gupta, Tarun; Rastogi, Nikhil; Gaur, Abhishek; Misra, Amit; Tripathi, Sachchida N.; Paul, Debajyoti; Tare, Vinod; Prakash, Om; Bhattu, Deepika; Dwivedi, Anubhav K.; Kaul, Daya S.; Dalai, Rosalin; Mishra, Sumit K, Chemical Characterization of Summertime Dust Events at Kanpur: Insight into the Sources and Level of Mixing with Anthropogenic Emissions, *AEROSOL AND AIR QUALITY RESEARCH*, 14, 3,879-891,10.4209/aaqr.2013.07.0240,APR 2014
55. Shukla, Pravesh Chandra; Gupta, Tarun; Agarwal, Avinash Kumar, A Comparative Morphological Study of Primary and Aged Particles Emitted from a Biodiesel (B20) vis-a-vis Diesel Fuelled CRDI Engine, *AEROSOL AND AIR QUALITY RESEARCH*, 14, 3,934-942,10.4209/aaqr.2013.05.0162, APR 2014.
56. Yadav, Arpita; Krishna, Abhay, In silico design of a dual TPR/TxS inhibitor for venous thromboembolism and related cardiovascular diseases, *CANADIAN JOURNAL OF CHEMISTRY-REVUE CANADIENNE DE CHIMIE*, 92,4,284-292,10.1139/cjc-2013-0516, APR 2014.
57. Dixit, Yama; Hodell, David A.; Sinha, Rajiv; Petrie, Cameron A, Abrupt weakening of the Indian summer monsoon at 8.2 kyr BP, *EARTH AND PLANETARY SCIENCE LETTERS*, 391, 16-23, 10.1016/j.epsl.2014.01.026, APR 1 2014.
58. Verma, S.; Bhanja, S. N.; Pani, S. K.; Misra, A, Aerosol optical and physical properties during winter monsoon pollution transport in an urban environment, *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*, 21,7,4977-4994,10.1007/s11356-013-2383-5, APR 2014.
59. Rastogi, Amit; Gyanesh, Prakhar; Nisha, Surbhi; Agarwal, Appurva; Mishra, Priya; Tiwari, Akhilesh Kumar, Comparison of general anaesthesia versus regional anaesthesia with sedation in selected maxillofacial surgery: a randomized controlled trial, *JOURNAL OF CRANIO-MAXILLOFACIAL SURGERY*, 42,3, 250-254, 10.1016/j.jcms.2013.05.010 , APR 2014.

60. Das, Alok; Kumar, Sumit; Nandeesh, P.; Yadav, Indu Singh; Saini, Jyoti; Chaturvedi, S. K.; Datta, Subhojit, An efficient in vitro regeneration system of fieldpea (*Pisum sativum* L.) via. shoot organogenesis, *JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY*, 23, 2,184-189, 10.1007/s13562-013-0200-3,APR 2014.
- 61.Roy, Bijan Kumar; Chakraborty, Subrata; Mihsra, Sudib K, Robust optimum design of base isolation system in seismic vibration control of structures under uncertain bounded system parameters, *JOURNAL OF VIBRATION AND CONTROL*, 20, 5, 786-800,10.1177/1077546312466577 , APR 2014.
62. Maheshwari, Richa; Panigrahi, Gatikrushna; Angappan, K, Molecular characterization of distinct YMV (Yellow mosaic virus) isolates affecting pulses in India with the aid of coat protein gene as a marker for identification, *MOLECULAR BIOLOGY REPORTS*, 41,4,2635-2644, 10.1007/s11033-014-3122-9,APR 2014.
- 63.Shekhar, Shashank; Mishra, Ranjeet; Ghosh, R. K.; Shyamasundar, R. K, Post-order based routing & transport protocol for wireless sensor networks, *PERVASIVE AND MOBILE COMPUTING*, 11,229-243,10.1016/j.pmcj.2013.07.015, APR 2014.
64. Jha, Uday C.; Chaturvedi, Sushil K.; Bohra, Abhishek; Basu, Partha S.; Khan, Muhammad S.; Barh, Debmalya, Abiotic stresses, constraints and improvement strategies in chickpea, *PLANT BREEDING*, 133, 2, 163-178, 10.1111/pbr.12150, APR 2014.
65. Parida, Keshaba Nanda; Moorthy, Jarugu Narasimha, Oxidation cascade with oxone: cleavage of olefins to carboxylic acids, *TETRAHEDRON*, 70, 13, 2280-2285, 10.1016/j.tet.2014.01.042, APR 1 2014.
66. Jhulki, Samik; Seth, Saona; Mondal, Manas; Moorthy, Jarugu Narasimha, Facile organocatalytic domino oxidation of diols to lactones by in situ-generated TetMe-IBX, *TETRAHEDRON*, 70, 13, 2286-2293, 10.1016/j.tet.2014.01.034 , APR 1 2014.
67. Singhal, Vaibhav; Rai, Durgesh C, Suitability of Half-Scale Burnt Clay Bricks for Shake Table Tests on Masonry Walls, *JOURNAL OF MATERIALS IN CIVIL ENGINEERING*, 264, 644-657, 10.1061/(ASCE)MT.1943-5533.0000861, APR 1 2014.
68. Cheng, C. -L.; Shalabh; Garg, G, Coefficient of determination for multiple measurement error models, *JOURNAL OF MULTIVARIATE ANALYSIS*, 126, 137-152, 10.1016/j.jmva.2014.01.006, APR 2014.
69. Lokesh, R. N.; Balakrishnan, L.; Jeganathan, K.; Layek, Samar; Verma, H. C.; Gopalakrishnan, N. Role of surface functionalization in ZnO:Fe nanostructures, *MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS*, 183, 39-46, 10.1016/j.mseb.2013.12.008, APR 2014.
70. Chepyala, Ramchander; Panda, Siddhartha, Flow characteristics of polar liquids in microfluidic immunosensors , *MICROFLUIDICS AND NANOFUIDICS*, 16, 4, 729-741, 10.1007/s10404-013-1257-y, APR 2014.
71. Chauhan, Ram Narayan; Anand, R. S.; Kumar, Jitendra, Structural, electrical and optical properties of radio frequency sputtered indium tin oxide thin films modified by annealing in silicon oil and vacuum, *THIN SOLID FILMS*, 556, 253-259, 10.1016/j.tsf.2014.02.023, APR 1 2014.

72. Kumar, Ashok; Thota, Subhash; Deva, Dinesh; Kumar, Jitendra, Ion-induced secondary electron emission, optical and hydration resistant behavior of MgO, Mg-Mo-O and Mg-Ce-O thin films, THIN SOLID FILMS, 556, 260-269, 10.1016/j.tsf.2014.02.018, APR 1 2014.
73. Bishnoi, Bhupesh; Ghosh, Bahniman, Spin transport in buckled bilayer silicone, COMPUTATIONAL MATERIALS SCIENCE, 85, 16-19, 10.1016/j.commatsci.2013.12.041, APR 1 2014.
74. Binoy, Raveendran; Santhanam, G, Sharp upper bound for the first eigenvalue, GEOMETRIAE DEDICATA, 169, 1, 397-410, 10.1007/s10711-013-9863-0, APR 2014.
75. Gur, Sourav; Mishra, Sudib K.; Chakraborty, Subrata, Performance assessment of buildings isolated by shape-memory-alloy rubber bearing: Comparison with elastomeric bearing under near-fault earthquakes, STRUCTURAL CONTROL & HEALTH MONITORING, 21, 4, 449-465, 10.1002/stc.1576, APR 2014.
76. Mondal, K, Revisiting Thermodynamic Understanding of Cathodic and Anodic Polarization, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, 67, 2, 197-201, 10.1007/s12666-013-0333-z, APR 2014.
77. Hens, Abhiram; Agarwal, Rahul; Biswas, Gautam, Nanoscale study of boiling and evaporation in a liquid Ar film on a Pt heater using molecular dynamics simulation, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 71, 303-312, 10.1016/j.ijheatmasstransfer.2013.12.032, APR 2014.
78. Sarkar, Sandip; Ganguly, Suvankar; Biswas, G, Buoyancy driven convection of nanofluids in an infinitely long channel under the effect of a magnetic field, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 71, 328-340, 10.1016/j.ijheatmasstransfer.2013.12.033, APR 2014.
79. Ramaiah, K. V.; Saikrishna, C. N.; Gouthama; Bhaumik, S. K, Ni₂₄.7Ti₅₀.3Pd₂₅.0 high temperature shape memory alloy with narrow thermal hysteresis and high thermal stability, MATERIALS & DESIGN, 56, 78-83, 10.1016/j.matdes.2013.10.079, APR 2014.
80. Bajpai, Indu; Balani, Kantesh; Basu, Bikramjit, Synergistic effect of static magnetic field and HA-Fe₃O₄ magnetic composites on viability of S. aureus and E. coli bacteria, JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, 102, 3, 524-532, 10.1002/jbm.b.33031, APR 2014.
81. Goel, Saurav; Bin Rashid, Waleed; Luo, Xichun; Agrawal, Anupam; Jain, V. K, A Theoretical Assessment of Surface Defect Machining and Hot Machining of Nanocrystalline Silicon Carbide, JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME, 136, 2, 021015 10.1115/1.4026297, APR 2014.
82. Shakti, Nanda; Prakash, Asit; Mandal, Tapendu; Katiyar, Monica, Processing temperature dependent morphological and optical properties of ZnO nanorods, MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, 20, 55-60, 10.1016/j.mssp.2014.01.010, APR 2014.
83. Jain, Akhilesh; Hannurkar, P. R.; Pathak, S. K.; Biswas, Animesh; Srivastva, Mrigank, Improved performance of two-way power divider using dielectric resonator, MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 56, 4, 858 861, 10.1002/mop.28236, APR 2014.

84. Vivek, B.; Raychowdhury, Prishati, Probabilistic and spatial liquefaction analysis using CPT data: a case study for Alameda County site, *NATURAL HAZARDS*, 71, 3, 1715-1732, 10.1007/s11069-013-0976-4, APR 2014.
85. Arellano, K. D. Robles; Bichler, L.; Mondal, K, Compressive creep behavior of spark plasma sintered La₂O₃-YSZ composite, *CERAMICS INTERNATIONAL*, 40, 3, 4231-4235, 10.1016/j.ceramint.2013.08.086, APR 2014.
86. Khare, Ekta; Chopra, Jyotsana; Arora, Naveen Kumar, Screening for MCL-PHA-Producing Fluorescent Pseudomonads and Comparison of MCL-PHA Production Under Iso-osmotic Conditions Induced by PEG and NaCl, *CURRENT MICROBIOLOGY*, 68, 4, 457-462, 10.1007/s00284-013-0497-0 APR 2014.
87. Behera, Sailesh N.; Sharma, Mukesh; Nayak, Pranati; Shukla, Sheo Prasad; Gargava, Prashant, An approach for evaluation of proposed air pollution control strategy to reduce levels of nitrogen oxides in an urban environment, *JOURNAL OF ENVIRONMENTAL PLANNING AND MANAGEMENT*, 57, 4, 467-494, 10.1080/09640568.2012.750600, APR 1 2014.
88. Rastogi, A.; Pulikkotil, J. J.; Budhani, R. C. Rastogi, Ankur/G-5311-2010 Rastogi, Ankur/0000-0002-4056-9088, Enhanced persistent photoconductivity in delta-doped LaAlO₃/SrTiO₃ heterostructures, *PHYSICAL REVIEW B*, 89, 12, 125-127, 10.1103/PhysRevB.89.125127, MAR 31 2014.
89. Chakraborty, Joydeep; Konar, Partha; Mondal, Tanmoy, Constraining a class of B - L extended models from vacuum stability and perturbativity, *PHYSICAL REVIEW D*, 89, 5, 056014, 10.1103/PhysRevD.89.056014, MAR 25 2014.
90. Bhattacharya, Pallab; Hatui, Goutam; Mandal, Avinandan; Das, Chapal Kumar; Kumar, Rudresh; Shami, T. C, Investigation of microwave absorption property of the core-shell structured Li_{0.4}Mg_{0.6}Fe₂O₄/TiO₂ nanocomposite in X-band region, *JOURNAL OF ALLOYS AND COMPOUNDS*, 590, 331-340, 10.1016/j.jallcom.2013.12.117, MAR 25 2014.
91. Shukla, A. K.; Murty, S. V. S. Narayana; Sharma, S. C.; Mondal, K, Aging behavior and microstructural stability of a Cu-8Cr-4Nb alloy, *JOURNAL OF ALLOYS AND COMPOUNDS* 590, 514-525, 10.1016/j.jallcom.2013.12.057, MAR 25 2014.
92. Reddy, M. Srinivas; Vijaya, Ramarao; Rukhlenko, Ivan D.; Premaratne, Malin, Low-threshold lasing in photonic-crystal heterostructures, *OPTICS EXPRESS*, 22,6, 6229-6238, 10.1364/OE.22.006229, MAR 24 2014.
93. Ghatak, Animangsu, Peeling off an adhesive layer with spatially varying topography and shear modulus, *PHYSICAL REVIEW E*, 89, 3, 032407, 10.1103/PhysRevE.89.032407, MAR 24 2014.
94. Roy, Debmalaya; Tiwari, Neeru; Mukhopadhyay, K.; Saxena, A. K, Immobilization of individual nanotubes in graphitic layers for electrical characterization, *NANOTECHNOLOGY*, 25, 11,115701 10.1088/0957-4484/25/11/115701, MAR 21 2014.
95. Yadav, Veejendra K.; Naganaboina, Vijaya K.; Hulikal, Vijaykumar, Allylsilane-interrupted homo-Nazarov cyclization and synthesis of bicyclo[3.2.1]octan-8-ones, *TETRAHEDRON LETTERS*, 55, 12, 2015-2018, 10.1016/j.tetlet.2014.02.018, MAR 19 2014.

96. Ghosh, Shamik, Generating intrinsic dipole anisotropy in the large scale structures, *PHYSICAL REVIEW D*, 89, 6, 063518, 10.1103/PhysRevD.89.063518, MAR 17 2014.
97. Sinha, Rajiv; Ahmad, Jawed; Gaurav, Kumar; Morin, Guillaume, Shallow subsurface stratigraphy and alluvial architecture of the Kosi and Gandak megafans in the Himalayan foreland basin, India, *SEDIMENTARY GEOLOGY*, 301, 133-149, 10.1016/j.sedgeo.2013.06.008, MAR 15 2014.
98. Tiwari, Manoj K.; Guha, Saumyen, Kinetics of biotransformation of chlorpyrifos in aqueous and soil slurry environments, *WATER RESEARCH*, 51, 73-85, 10.1016/j.watres.2013.12.014, MAR 15 2014.
99. Khare, Prateek; Sharma, Ashutosh; Verma, Nishith, Sharma, Ashutosh/D-1034-2011Sharma, Ashutosh/0000-0002-2653-0806, Synthesis of phenolic precursor-based porous carbon beads in situ dispersed with copper-silver bimetal nanoparticles for antibacterial applications, *JOURNAL OF COLLOID AND INTERFACE SCIENCE*, 418, 216-224, 10.1016/j.jcis.2013.12.026, MAR 15 2014.
100. Ghosh, Saptarshi; Bhattacharyya, Somak; Kaiprath, Yadunath; Srivastava, Kumar Vaibhav, Bandwidth-enhanced polarization-insensitive microwave metamaterial absorber and its equivalent circuit model, *JOURNAL OF APPLIED PHYSICS*, 115, 10, 104503, 10.1063/1.4868577, MAR 14 2014.
101. Ghosh, Sayandip; Singh, Avinash, The role of orbital order in the stabilization of the $(\pi, 0)$ ordered magnetic state in a minimal two-band model for iron pnictides, *JOURNAL OF APPLIED PHYSICS*, 115,10,103907 10.1063/1.4868475,MAR 14 2014.
102. Das, Debarchan; Gruner, T.; Pfau, H.; Paramanik, U. B.; Burkhardt, U.; Geibel, C.; Hossain, Z. Gruner, Thomas/C-8059-2014, Heavy fermion and Kondo lattice behavior in the itinerant ferromagnet CeCrGe_3 , *JOURNAL OF PHYSICS-CONDENSED MATTER*, 26, 10, 106001 10.1088/0953-8984/26/10/106001,MAR 12 2014.
103. Farag, Youssef M. K.; Mittal, Bharati V.; Keithi-Reddy, Sai Ram; Acharya, Vidya N.; Almeida, Alan F.; Anil, C.; Ballal, H. S.; Gaccione, P.; Issacs, R.; Jasuja, Sanjiv; Kirpalani, A. L.; Kher, V; Modi, G. K.; Nainan, Georgy; Prakash, Jai; Rajapurkar, Mohan M.; Rana, D. S.; Sreedhara, Rajanna; Sinha, D. K.; Shah, Bharat V.; Sunder, Sham; Sharma, Raj Kumar; Seetharam, Sridevi; Raju, Tatapudi Ravi; Singh, Ajay. K, Burden and predictors of hypertension in India: results of SEEK (Screening and Early Evaluation of Kidney Disease) study, *BMC NEPHROLOGY*, 15, 42, 10.1186/1471-2369-15-42 MAR 6 2014.
104. Jafferson, J. M.; Hariharan, P.; Kumar, J. Ram, Effects of Ultrasonic Vibration and Magnetic Field in Micro-EDM Milling of Nonmagnetic Material, *MATERIALS AND MANUFACTURING PROCESSES*, 29, 3, 357-363, 10.1080/10426914.2013.872268, MAR 4 2014.
105. Sankaran, P. G.; Kundu, Debasis, A bivariate Pareto model, *STATISTICS*, 48, 2, 241-255, 10.1080/02331888.2012.719521, MAR 4 2014.
106. Lahiri, Ananya; Kundu, Debasis; Mitra, Amit, On least absolute deviation estimators for one-dimensional chirp model, *STATISTICS*, 48, 2, 405-420, 10.1080/02331888.2012.719519, MAR 4 2014.
107. Jain, Naintara; Tripathi, Santosh Kumar; Nasim, Mohammed, Preparation and Characterization of Aminopropylsilatrane Endcapped Polyimide Films, *INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS*, 63, 4, 178-184,10.1080/00914037.2013.812089, MAR 4 2014.
108. Ahmad, Musheer; Afzal, Mohd; Tabassum, Sartaj; Kalniska, Bozena; Mrozinski, Jerzy; Bharadwaj,

- Parimal. K, Synthesis and structure elucidation of a cobalt(II) complex as topoisomerase I inhibitor: In vitro DNA binding, nuclease and RBC hemolysis, EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, 74, 683-693, 10.1016/j.ejmech.2013.10.025, MAR 3 2014.
109. Brahma, Sanfaori; Ikbal, Sk Asif; Dhamija, Avinash; Rath, Sankar Prasad, Highly Enhanced Bisignate Circular Dichroism of Ferrocene-Bridged Zn(II) Bisporphyrin Tweezer with Extended Chiral Substrates due to Well-Matched Host-Guest System, INORGANIC CHEMISTRY, 53, 5, 2381-2395, 10.1021/ic401395d, MAR 3 2014.
110. Mandal, Partha Sarathi; Allen, Linda J. S.; Banerjee, Malay, Stochastic modeling of phytoplankton allelopathy, APPLIED MATHEMATICAL MODELLING, 38, 5,6, 1583-1596, 10.1016/j.apm.2013.08.031, MAR 1 2014.
111. Ningombam, Shantikumar S.; Bagare, S. P.; Sinha, N.; Singh, Rajendra B.; Srivastava, A. K.; Larson, E.; Kanawade, V. P, Characterization of aerosol optical properties over the high-altitude station Hanle, in the trans-Himalayan region, ATMOSPHERIC RESEARCH, 138, 308-323, 10.1016/j.atmosres.2013.11.025, MAR 1 2014.
112. Ray, Olive; Mishra, Santanu, Boost-Derived Hybrid Converter With Simultaneous DC and AC Outputs, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, 50, 2, 1082-1093, 10.1109/TIA.2013.2271874, MAR-APR 2014.
113. Das, Biswanath; Daver, Henrik; Pyrkosz-Bulska, Monika; Persch, Elke; Barman, Suman K.; Mukherjee, Rabindranath; Gumienna-Kontecka, Elzbieta; Jarenmark, Martin; Himo, Fahmi; Nordlander, Ebbe, A dinuclear zinc(II) complex of a new unsymmetric ligand with an N(5)O(2) donor set; A structural and functional model for the active site of zinc phosphoesterases, JOURNAL OF INORGANIC BIOCHEMISTRY, 132, SI, 6-17, 10.1016/j.jinorgbio.2013.08.001, MAR 2014.
114. Sen, Susan; Yamada, Teppei; Kitagawa, Hiroshi; Bharadwaj, Parimal .K, 3D Coordination Polymer of Cd(II) with an Imidazolium-Based Linker Showing Parallel Polycatenation Forming Channels with Aligned Imidazolium Groups, CRYSTAL GROWTH & DESIGN, 14, 3, 1240-1244, 10.1021/cg401760m, MAR 2014.
115. Santra, Atanu; Bharadwaj, Parimal. K, Solvent-Induced Structural Diversity of Partially Fluorinated, Stable Pb(II) Metal-Organic Frameworks and Their Luminescence Properties, CRYSTAL GROWTH & DESIGN, 14,3, 1476-1485, 10.1021/cg500030k, MAR 2014.
116. Singh, Dharmendra Kumar; Lakshay; Gupta, Tarun, Field performance evaluation during fog-dominated wintertime of a newly developed denuder-equipped PM1 sampler, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 21 ,6, 4551-4564, 10.1007/s11356-013-2371-9, MAR 2014.
117. Saxena, Alok Kumar; Srivastava, Kumar Vaibhav, A Three-Dimensional Unconditionally Stable Five-Step LOD-FDTD Method, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 62,3, 1321-1329, 10.1109/TAP.2013.2293790, MAR 2014.
118. Das, Alok; Parida, Swarup .K, Advances in biotechnological applications in three important food legumes, PLANT BIOTECHNOLOGY REPORTS, 8,2, 83-99, 10.1007/s11816-013-0299-7, MAR 2014.
119. Kattakola, B.; Desai, C. K.; Parameswaran, V.; Basu, S, Critical Evaluation of a Constitutive Model for Glassy Polycarbonate, EXPERIMENTAL MECHANICS, 54 ,3, 357-368, 10.1007/s11340-013-9810-x, MAR 2014.

120. Ikegami, Tetsushi, Special Section on Information and Communication Technology for Medical and Healthcare Applications in Conjunction with Main Topics of ISMICT2013 FOREWORD IEICE TRANSACTIONS ON COMMUNICATIONS, E97B, 3, 533-533, MAR 2014.
121. Collado, Daniel; Remon, Patricia; Vida, Yolanda; Najera, Francisco; Sen, Pratik; Pischel, Uwe; Perez-Inestrosa, Ezequiel, Energy Transfer in Aminonaphthalimide-Boron-Dipyrromethene (BODIPY) Dyads upon One- and Two-Photon Excitation: Applications for Cellular Imaging, CHEMISTRY-AN ASIAN JOURNAL, 9, 3, 797-804, 10.1002/asia.201301334, MAR 2014.
- 122.Reddy, C. P.; Chakrabarti, S.; Srivastava, S. C, A Sensitivity-Based Method for Under-Frequency Load-Shedding, IEEE TRANSACTIONS ON POWER SYSTEMS, 29, 2, 984-985, 10.1109/TPWRS.2013.2288005 , MAR 2014.
123. Salimath, Akshaykumar; Ghosh, Bahniman , Effect of temperature, electric and magnetic field on spin relaxation in single layer graphene: A Monte Carlo simulation study, CURRENT APPLIED PHYSICS, 14, 3, 516-520, 10.1016/j.cap.2013.12.027, MAR 2014.
124. Spin transport in N-armchair-edge silicene nanoribbons, JOURNAL OF COMPUTATIONAL ELECTRONICS, 13, 1 SI, 186-191, 10.1007/s10825-013-0498-z, MAR 2014.
125. Bal, Punyasloka; Ghosh, Bahniman; Mondal, Partha; Akram, M. W.; Tripathi, Ball Mukund Mani, Dual material gate junctionless tunnel field effect transistor, JOURNAL OF COMPUTATIONAL ELECTRONICS, 13,1 SI, 230-234, 10.1007/s10825-013-0505-4, MAR 2014.
126. Babar, Dipak Gorakh; Sonkar, Sumit Kumar; Tripathi, Kumud Malika; Sarkar, Sabyasachi, P2O5 Assisted Green Synthesis of Multicolor Fluorescent Water Soluble Carbon Dots, JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY , 14,3, 2334-2342, 10.1166/jnn.2014.8487, MAR 2014.
127. Sonkar, Sumit Kumar; Tripathi, Kumud Malika; Sarkar, Sabyasachi, Ferromagnetic Behaviour of Anthropogenic Multi-Walled Carbon Nanotubes Trapped in Spider Web Indoor, JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY , 14, 3, 2532-2538, 10.1166/jnn.2014.8524, MAR 2014.
128. Bhattu, Deepika; Tripathi, Sachchida Nand, Inter-seasonal variability in size-resolved CCN properties at Kanpur, India, ATMOSPHERIC ENVIRONMENT , 85, 161-168, 10.1016/j.atmosenv.2013.12.016, MAR 2014.
129. Nagarajan, N.; Prakash, Asit; Velmurugan, G.; Shakti, Nanda; Katiyar, Monica; Venuvanalingam, P.; Renganathan.R, Synthesis, characterisation and electroluminescence behaviour of pi-conjugated imidazole-isoquinoline derivatives, DYES AND PIGMENTS,102, 180-188, 10.1016/j.dyepig.2013.11.002, MAR 2014.
130. Nirmalkar, N.; Chhabra, R. P, Momentum and heat transfer from a heated circular cylinder in Bingham plastic fluids, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 70, 564-577, 10.1016/j.ijheatmasstransfer.2013.11.034, MAR 2014.
131. Kalombo, J. J. N.; Haldenwang, R.; Chhabra, R. P.; Fester, V. G, Centrifugal Pump Derating for Non-Newtonian Slurries , JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, 136, 3, 031302 10.1115/1.4025989, MAR 2014.
- 132.Dwivedi, Prashant Kishor; Awasthi, Seema; Biswas, Animesh; Srivastava, Kumar Vaibhav, DESIGN

OF DUAL-PASSBAND FILTER USING DUAL MODE SEMICIRCULAR DIELECTRIC RESONATORS MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 56,3, 542-547, MAR 2014.

133 .Sarkar, Mihir; Mohapatra, Y. N, Self-aligned electron beam lithography of metallic layer sandwiched in a polymer multilayer: Facilitation of vertical organic transistor fabrication, MICROELECTRONIC ENGINEERING, 115, 16-20, 10.1016/j.mee.2013.10.026, MAR 1 2014.

134. Majumder, Anima; Behera, Laxmidhar; Subramanian, Venkatesh. K, Emotion recognition from geometric facial features using self-organizing map, PATTERN RECOGNITION, 47, 3, 1282-1293, 10.1016/j.patcog.2013.10.010, MAR 2014.

135. Mallik, Prafulla Kumar; Basu, Bikramjit, Better early osteogenesis of electroconductive hydroxyapatite-calcium titanate composites in a rabbit animal model, JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, 102, 3, 842-851, 10.1002/jbm.a.34752, MAR 2014.

136. Dhar, Atul; Agarwal, Avinash Kumar, Performance, emissions and combustion characteristics of Karanja biodiesel in a transportation engine, FUEL, 119, 70-80, 10.1016/j.fuel.2013.11.002, MAR 2014.

137. Shanmugavani, A.; Selvan, R. Kalai; Layek, Samar; Sanjeeviraja. C, Size dependent electrical and magnetic properties of ZnFe₂O₄ nanoparticles synthesized by the combustion method: Comparison between aspartic acid and glycine as fuels, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 354, 363-371, 10.1016/j.jmmm.2013.11.018, MAR 2014.

138. Mohanalin; Kalra, Prem Kumar; Kumar, Nirmal, Poisson's Equation Based Image Registration: An Application for Matching 2D Mammograms, JOURNAL OF MEDICAL IMAGING AND HEALTH INFORMATICS, 4,1,49-57, 10.1166/jmihi.2014.1220, MAR 2014.

139. Sivakumar, S.; Nirmalkar, N.; Chhabra, R. P, EFFECT OF ORIENTATION ON MIXED CONVECTION FROM A HEATED SQUARE BAR IN NEWTONIAN AND POWER-LAW FLUIDS NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, 65,5,435-460, 10.1080/10407782.2013.832051, MAR 1 2014.

140. Singh, Deepak; Kumari, Archana; Ramaswamy, S.; Ramanathan, Gurunath, Expression, purification and substrate specificities of 3-nitrotoluene dioxygenase from Diaphorobacter sp strain DS2, BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 445, 1, 36-42, 10.1016/j.bbrc.2014.01.113, FEB 28 2014.

141. Metya, Atanu K.; Khan, Sandip; Singh, Jayant .K, Singh, Jayant/A-1820-2011, Wetting Transition of the Ethanol-Water Droplet on Smooth and Textured Surfaces, JOURNAL OF PHYSICAL CHEMISTRY C, 118, 8, 4113-4121, 10.1021/jp4096437, FEB 27 2014 .

142. Mondal, Kunal; Ali, Md. Azahar; Agrawal, Ved V.; Malhotra, Bansi D.; Sharma, Ashutosh, Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Highly Sensitive Biofunctionalized Mesoporous Electrospun TiO₂ Nanofiber Based Interface for Biosensing, ACS APPLIED MATERIALS & INTERFACES, 6,4,2512-2523, 10.1021/am404931f, FEB 26 2014.

143. Singh, Anil Kumar; Subramaniam, Anandh, On the formation of disordered solid solutions in multi-component alloys, JOURNAL OF ALLOYS AND COMPOUNDS, 587, 113-119, 10.1016/j.jallcom.2013.10.133, FEB 25 2014.

144. Ansari, Alafia A.; Rajasekaran, Parasuraman; Khan, M. Musawwer; Vankart, Yashwant .D, Bicyclic Hybrid Sugars as Glycosidase Inhibitors: Synthesis and Comparative Study of Inhibitory Activities of Fused Oxa-Oxa, Oxa-Aza, and Oxa-Carbasugar Hybrid Molecules, JOURNAL OF ORGANIC CHEMISTRY,79,4,1690-1699, 10.1021/jo402574h,FEB 21 2014.
145. Dharuman, Suresh; Vankar, Yashwant .D, N-Halosuccinimide/AgNO₃-Efficient Reagent Systems for One-Step Synthesis of 2-Haloglycals from Glycals: Application in the Synthesis of 2C-Branched Sugars via Heck Coupling Reactions,ORGANIC LETTERS, 16,4,1172-1175,10.1021/ol500039s FEB 21 2014.
146. Saha, Sayantani; Sarbajna, Abir; Bera, Jitendra. K, Bulky, spherical, and fluorinated anion BARF induces 'on-water' activity of silver salt for the hydration of terminal alkynes, TETRAHEDRON LETTERS, 55,8,1444-1447, 10.1016/j.tetlet.2014.01.045, FEB 19 2014.
147. Kumar, Anjani; Kumar.A, Dependence of activation energy and pre-exponential factor on electric field in bulk Se₉₀Sb₁₀_Ag-x(x) glassy alloys, JOURNAL OF NON-CRYSTALLINE SOLIDS,386, 51-55, 10.1016/j.jnoncrysol.2013.11.034, FEB 15 2014.
- 148.Pant, Reeta; Singha, Subhash; Bandyopadhyay, Aritra; Khare, Krishnacharya, Investigation of static and dynamic wetting transitions of UV responsive tunable wetting surfaces, APPLIED SURFACE SCIENCE, 292, 777-781, 10.1016/j.apsusc.2013.12.049, FEB 15 2014.
149. Bhattacharyya, Somak; Srivastava, Kumar Vaibhav , Triple band polarization-independent ultra-thin metamaterial absorber using electric field-driven LC resonator, JOURNAL OF APPLIED PHYSICS, 115, 6, 064508 10.1063/1.4865273, FEB 14 2014.
150. Venkatesh, V.; Shukla, Akansha; Sivakumar, Sri; Verma, Sandeep, Purine-Stabilized Green Fluorescent Gold Nanoclusters for Cell Nuclei Imaging Applications, ACS APPLIED MATERIALS & INTERFACES, 6,3, 2185-2191, 10.1021/am405345h, FEB 12 2014.
151. Pandiyan, Sudharsan; Parandekar, Priya V.; Prakash, Om; Tsotsis, Thomas K.; Nair, Nisanth N.; Basu, Sumit, Nair, Nisanth/E-2654-2014, Controlling the sub-molecular motions to increase the glass transition temperature of polymers, CHEMICAL PHYSICS LETTERS, 593, 24-27, 10.1016/j.cplett.2013.12.076, FEB 11 2014.
152. Maheswari, B.; Babu, P. E. Jagadeesh; Agarwal, Mayank, Role of N-vinyl-2-pyrrolidinone on the thermoresponsive behavior of PNIPAm hydrogel and its release kinetics using dye and vitamin-B12 as model drug,JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION ,25,3, 269-286, 10.1080/09205063.2013.854149, FEB 11 2014.
153. Pandey, Ambrish; Verma, Mahendra K.; Mishra, Pankaj .K, Scaling of heat flux and energy spectrum for very large Prandtl number convection, PHYSICAL REVIEW E, 89, 2, 023006, 10.1103/PhysRevE.89.023006, FEB 10 2014.
154. Palai, Tapas; Kumar, Ashok; Bhattacharya, Prashant. K, Palai, Tapas/F-2619-2012 Palai, Tapas/0000-0001-6941-3522,Synthesis and characterization of thermo-responsive poly-N-isopropylacrylamide bioconjugates for application in the formation of galacto-oligosaccharides,ENZYME AND MICROBIAL TECHNOLOGY,55, 40-49 , 10.1016/j.enzmictec.2013.12.003, FEB 5 2014.
155. Singh, Dhananjay Kumar; Panigrahi, P. K, Three-dimensional instantaneous velocity field measurement using digital holography microscope, PRAMANA-JOURNAL OF PHYSICS, 82,2 SI 439-444, 10.1007/s12043-014-0703-z,FEB 2014 .

156. Sarkar, Basudeb; Sharma, R. C.; Verma, R. P. S.; Sarkar, Ananta; Sharma, Indu, Identifying superior feed barley genotypes using GGE biplot for diverse environments in India, *INDIAN JOURNAL OF GENETICS AND PLANT BREEDING* , 74, 1, 26-33, 10.5958/j.0975-6906.74.1.004, FEB 2014.
157. Srivastava, Shashwat; Chatterjee, Anindya, Planar oscillations of a boat in a tank, *INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES*, 79, 152-161, 10.1016/j.ijmecsci.2013.11.019 , FEB 2014.
158. Mandal, T.; Mishra, B. K.; Garg, A.; Chaira, D, Optimization of milling parameters for the mechanosynthesis of nanocrystalline hydroxyapatite, *POWDER TECHNOLOGY*, 253, 650-656 10.1016/j.powtec2013.12.026, FEB 2014.
159. Pokharia, Anil K.; Kharakwal, Jeewan Singh; Srivastava, Alka, Archaeobotanical evidence of millets in the Indian subcontinent with some observations on their role in the Indus civilization, *JOURNAL OF ARCHAEOLOGICAL SCIENCE*, 42, 442-455, 10.1016/j.jas.2013.11.029, FEB 2014.
160. Goswami, Mayank; Saxena, Anupam; Munshi, Prabhat, A New Grid-Based Tomographic Method for Two-Phase Flow Measurements, *NUCLEAR SCIENCE AND ENGINEERING*, 176, 2, 240-253 , FEB 2014.
161. Reddy, K. Sandeep; Verma, Mahendra .K, Strong anisotropy in quasi-static magnetohydrodynamic turbulence for high interaction parameters, *PHYSICS OF FLUIDS*, 26, 2 , 025109 10.1063/1.4864654, FEB 2014.
162. Kumar, Pradeep; Mishra, Brijesh Kumar; Sathyamurthy. N, Density functional theoretic studies of host-guest interaction in gas hydrates, *COMPUTATIONAL AND THEORETICAL CHEMISTRY*, 1029, 26-32, 10.1016/j.comptc.2013.12.009, FEB 1 2014.
163. Porwal, Rajesh Kumar; Yadava, Vinod; Ramkumar. J, Modelling and multi-response optimization of hole sinking electrical discharge micromachining of titanium alloy thin sheet, *JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY*, 28,2,653-661,10.1007/s12206-013-1129-0, FEB 2014.
164. Misra, Neeraj; Arshad, Mohd, Monotonicity of certain integrals involving gamma distributions and their applications in multiple comparisons, *STATISTICS & PROBABILITY LETTERS*, 85,144-152, 10.1016/j.spl.2013.11.013, FEB 2014.
165. Mohapatra, Chandrajeet; Chandrasekhar, Vadapalli ,Two-Dimensional Homometallic- to a Three Dimensional Heterometallic Coordination Polymer: A Metalloligand Approach,*CRYSTAL GROWTH & DESIGN*, 14, 2 , 406-409,10.1021/cg401698a,FEB 2014.
166. Kundu, Subrata; Chakraborty, Amit; Mondal, Kunal; Chandrasekhar, Vadapalli, Multi-Ruthenocene Assemblies on an Organostannoxane Platform. Supramolecular Signatures and Conversion to (Ru-Sn)O-2 ,*CRYSTAL GROWTH & DESIGN*, 14, 2, 861-870, 10.1021/cg4017323 , FEB 2014.
167. Ramgadia, Abhishek G.; Saha, Arun .K, Characteristics of Fully Developed Flow and Heat Transfer in Channels With Varying Wall Geometry, *JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME*, 136, 2, 021703, 10.1115/1.4024552, FEB 2014.

168. Kumar, Sunil; Kang, T. W.; Khan, P. Yousaf; Kumar, Sanjeev; Goyal, Manju; Choubey, Ravi Kant, Study of electroless template synthesized ZnSe nanowires and its characterization, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 25, 2 SI, 957- 961,10.1007/s10854-013-1670-8 , FEB 2014.
169. Scussel, D.; Chandra. S,New Approach to the Design of Tunnels in Squeezing Ground, INTERNATIONAL JOURNAL OF GEOMECHANICS ,14, 1, 110-117 , FEB 1 2014.
170. Mehta, Balkrishna; Khandekar, Sameer, Measurement of local heat transfer coefficient during gas-liquid Taylor bubble train flow by infra-red thermography, INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, 45, 41-52 ,10.1016/j.ijheatfluidflow.2013.12.001, FEB 2014.
171. Pandey, Dharmendra; Deo, Goutam, Promotional effects in alumina and silica supported bimetallic Ni-Fe catalysts during CO₂ hydrogenation, JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, 382, 23-30, 10.1016/j.molcata.2013.10.022, FEB 2014.
172. Gupta, Pradeep Kumar; Garg, Ravindra Kumar; Gupta, Rakesh Kumar; Malhotra, Hardeep Singh; Paliwal, Vimal Kumar; Rathore, Ram Kishore Singh; Verma, Rajesh; Singh, Maneesh Kumar; Rai, Yogita; Pandey, Chandra Mani,Diffusion tensor tractography and neuropsychological assessment in patients with vitamin B12 deficiency, NEURORADIOLOGY,56 2,97,-106, 10.1007/s00234-013-1306-y FEB 2014.
173. Mishra, Ruchi; Goel, Sudhir Kumar; Gupta, Kailash Chand; Kumar, Ashok, Biocomposite Cryogels as Tissue-Engineered Biomaterials for Regeneration of Critical-Sized Cranial Bone Defects, TISSUE ENGINEERING PART A, 20,3, 4,751-762,FEB 1 2014.
174. Chauhan, Yogesh Singh; Venugopalan, Sriramkumar; Chalkiadaki, Maria-Anna; Ul Karim, Muhammed Ahsan; Agarwal, Harshit; Khandelwal, Sourabh; Paydavosi, Navid; Duarte, Juan Pablo; Enz, Christian C.; Niknejad, Ali M.; Hu, Chenming, BSIM6: Analog and RF Compact Model for Bulk MOSFET , IEEE TRANSACTIONS ON ELECTRON DEVICES, 61, 2 SI, 234-244, 10.1109/TED.2013.2283084, FEB 2014.
175. Asthana, Pranav Kumar; Ghosh, Bahniman; Goswami, Yogesh; Tripathi, Ball Mukund Mani , High-Speed and Low-Power Ultradeep-Submicrometer III-V Heterojunctionless Tunnel Field-Effect Transistor, IEEE TRANSACTIONS ON ELECTRON DEVICES, 61, 2 SI, 479-486, 10.1109/TED.2013.2295238, FEB 2014.
176. Sharma, Ishan, Stability of rubble-pile satellites,ICARUS, 229,278-294, 10.1016/j.icarus.2013.09.023, FEB 2014.
- 177.Gandhi, Vaibhav; Prasad, Girijesh; Coyle, Damien; Behera, Laxmidhar; McGinnity, Thomas Martin, Quantum Neural Network-Based EEG Filtering for a Brain-Computer Interface, IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS, 25,2, 278-288, 10.1109/TNNLS.2013.2274436 , FEB 2014.
178. Parmar, D. L.; Keshari, A. K, Wasteload Allocation Using Wastewater Treatment and Flow Augmentation, ENVIRONMENTAL MODELING & ASSESSMENT, 19, 1, 35-44, 10.1007/s10666-013-9378-y, FEB 2014.

179. Ashok, Vaishali; Gupta, Tarun; Dubey, Shefali; Jat, Rajmal, Personal exposure measurement of students to various microenvironments inside and outside the college campus, ENVIRONMENTAL MONITORING AND ASSESSMENT, 186, 2, 735-750, 10.1007/s10661-013-3413-y, FEB 2014.
180. Srivastava, Gaurav; Das, Anubhav; Kusurkar, Tejas Sanjeev; Roy, Manas; Airan, Saket; Sharma, Raj Kishore; Singh, Sushil Kumar; Sarkar, Sabyasachi; Das, Mainak, Iron pyrite, a potential photovoltaic material, increases plant biomass upon seed pretreatment, MATERIALS EXPRESS, 4, 1, 23-31 10.1166/mex.2014.1139, FEB 2014.
181. Pallav, K.; Han, P.; Ramkumar, J.; Nagahanumaiah; Ehmann, K. F, Comparative Assessment of the Laser Induced Plasma Micromachining and the Micro-EDM Processes, JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME, 136,1, 011001 10.1115/1.4025391, FEB 2014.
182. Roy, A.; Manna, I.; Chatteraj, I, Anomalies in hydrogen enhanced fatigue of a high strength steel, INTERNATIONAL JOURNAL OF FATIGUE, 59, 14-22, 10.1016/j.ijfatigue.2013.10.002, FEB 2014.
183. Awasthi, Seema; Biswas, Animesh; Akhtar, Mohammed Jaleel, DUAL-STOPBAND FILTER USING METAMATERIAL HEXAGONAL MUSHROOM RESONATOR MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 56,2,326-329, 10.1002/mop.28063, FEB 2014.
184. Ghosh, Saptarshi; Bhattacharyya, Somak; Srivastava, Kumar Vaibhav, Srivastava, Kumar Vaibhav/B-7106-2014, BANDWIDTH-ENHANCEMENT OF AN ULTRATHIN POLARIZATION INSENSITIVE METAMATERIAL ABSORBER MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 56,2, 350-355, 10.1002/mop.28122, FEB 2014.
185. Jaiswal, Shivendra Kumar; Kumar, Jitendra, Hu, Xiaojuan/C-4383-2014, A novel series of Ba_{0.5}Sr_{0.5}Al_{0.2-x}Mg_xFe_{0.8}O_{3-xi}, (x ≤ 0.2) membranes for oxygen permeation application, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, 34, 2, 381-390, 10.1016/j.jeurceramsoc.2013.08.040, FEB 2014.
186. Ghatak, Animangsu, Bio-inspired adhesion, JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 28, 3-4 SI, 225- 225, 10.1080/01694243.2013.809933, FEB 1 2014.
187. Roy, Debmalya; Tiwari, Neeru; Mukhopadhyay, Kingsuk; Saxena, Arvind Kumar, The effect of a doubly modified carbon nanotube derivative on the microstructure of epoxy resin, POLYMER, 55, 2, 583-593, 10.1016/j.polymer.2013.12.012, JAN 30 2014.
188. Ansari, Alafia A.; Reddy, Y. Suman; Vankar, Yashwant. D, Efficient carbon-Ferrier rearrangement on glycals mediated by ceric ammonium nitrate: Application to the synthesis of 2-deoxy-2-amino-C-glycoside, BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, 10, 300-306, 10.3762/bjoc.10.27, JAN 30 2014.
189. Nandi, Goutam; Sarkar, Sabyasachi, High yield synthesis of oxo-tungsten(V) porphyrin: Structural characterization of the hydrolyzed products, INORGANICA CHIMICA ACTA, 410, 106 - 110, 10.1016/j.ica.2013.10.025, JAN 30 2014.
190. Panigrahi, Gatikrushna; Maheshwari, Richa; Vellaikumar, S.; Jayaprakash, S. P.; Kumar, Sandeep; Prabakaran, J, Preparative thin-layer chromatographic separation followed by identification of antifungal compound in Cassia laevigata by RP-HPLC and GC-MS, JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, 94, 2, 308- 315, 10.1002/jsfa.6259, JAN 30 2014.

191. Shukla, Arun K. Biasing GPCR Signaling from Inside, SCIENCE SIGNALING, 7,310, pe3 10.1126/scisignal.2005021, JAN 28 2014.
192. Singh, Virender; Rai, Ratan Kumar; Arora, Ashish; Sinha, Neeraj; Thakur, Ashwani Kumar, Therapeutic implication of L-phenylalanine aggregation mechanism and its modulation by D-phenylalanine in phenylketonuria, SCIENTIFIC REPORTS, 4, 3875, 10.1038/srep03875 , JAN 27 2014.
193. Malik, Javed N.; Shah, Afroz A.; Naik, Sambit P.; Sahoo, Santiswarup; Okumura, Koji; Patra, Nihar R. fault study along foothill zone of Kumaun Sub-Himalaya: influence on landscape shaping and drainage evolution, CURRENT SCIENCE, 106, 2, 229-236, JAN 25 2014.
194. Karthikeyan, V. K.; Khandekar, Sameer; Pillai, B. C.; Sharma, Pavan K., Infrared thermography of a pulsating heat pipe: Flow regimes and multiple steady states, APPLIED THERMAL ENGINEERING, 62,2, 470- 480, 10.1016/j.applthermaleng.2013.09.041, JAN 25 2014.
195. Choudhary, Sudhanshu; Saini, Gaurav; Qureshi, S. IMPACT OF RADIAL COMPRESSION ON THE CONDUCTANCE OF CARBON NANOTUBE FIELD EFFECT TRANSISTORS MODERN PHYSICS LETTERS B ,28,2,1450007,10.1142/S0217984914500079,JAN 20 2014.
196. De, Ashoke; Mishra, Sudib K., Simulation of chemical reactions induced by droplet in a phase separating media using Lattice Boltzmann-kinetic Monte-Carlo framework, COMPUTERS & FLUIDS, 89,133-142, 10.1016/j.compfluid.2013.10.041, JAN 20 2014.
197. Kumar, Anmol; Gadre, Shridhar R.; Mohan, Neetha; Suresh, Cherumuttathu H. Lone Pairs: An Electrostatic Viewpoint, JOURNAL OF PHYSICAL CHEMISTRY A, 118, 2, 526-532, 10.1021/jp4117003, JAN 16 2014.
198. Shukla, J. B.; Singh, Gaurav; Shukla, Poonam; Tripathi, Agraj, Modeling and analysis of the effects of antivirus software on an infected computer network, APPLIED MATHEMATICS AND COMPUTATION, 227,11-18, 10.1016/j.amc.2013.10.091, JAN 15 2014.
199. Jagtap, J.; Chandel, S.; Das, N.; Soni, J.; Chatterjee, S.; Pradhan, A.; Ghosh, N, Quantitative Mueller matrix fluorescence spectroscopy for precancer detection, OPTICS LETTERS, 39, 2, 243 - 246, 10.1364/OL.39.000243, JAN 15 2014.
200. Bheeter, Charles B.; Jin, Rongwei; Bera, Jitendra K.; Dixneuf, Pierre H.; Doucet, Henri, Palladium-Catalysed Dehydrogenative sp(3) C-H Bonds Functionalisation into Alkenes: A Direct Access to N-Alkenylbenzenesulfonamides, ADVANCED SYNTHESIS & CATALYSIS, 356, 1, 119-124, 10.1002/adsc.201300795, JAN 13 2014.
201. Pandey, Himanshu; Rout, P. K.; Anupam; Joshi, P. C.; Hossain, Z.; Budhani, R. C. Magnetoelastic coupling induced magnetic anisotropy in Co-2(Fe/Mn) Si thin films, APPLIED PHYSICS LETTERS, 104, 2, 022402 10.1063/1.4861777, JAN 13 2014.
202. Singh, Jayant K.; Mueller-Plathe, Florian, Muller-Plathe, Florian/A-1922-2010; Singh, Jayant/A-1820-2011, On the characterization of crystallization and ice adhesion on smooth and rough surfaces using molecular dynamics, APPLIED PHYSICS LETTERS, 104, 2, 021603, 10.1063/1.4862257, JAN 13 2014.

203. Rai, Durgesh C.; Jain, Sudhir K.; Murty, C. V. R.; Bansal, Dipanshu, Large capacity reaction floor-wall assembly for pseudo-dynamic testing at IIT Kanpur and its load rating, CURRENT SCIENCE, 106, 1, 93,100, JAN 10 2014.
204. Sharma, Shripal; Singh, Rakesh; Geetika, AC CONDUCTIVITY AND DIELECTRIC PROPERTIES OF MANGANESE DOPED LAYERED Na_{1.89}Li_{0.10}K_{0.01}Ti₃O₇ CERAMICS INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 28,1, 1350200, 10.1142/S0217979213502007, JAN 10 2014.
205. Rout, P. K.; Pandey, Himanshu; Wu, Lijun; Anupam; Joshi, P. C.; Hossain, Z.; Zhu, Yimei; Budhani, R. C. Two-dimensional electron-gas-like charge transport at the interface between a magnetic Heusler alloy and SrTiO₃, PHYSICAL REVIEW B, 89, 2, 020401, 10.1103/PhysRevB.89.020401, JAN 6 2014.
206. Bose, Moumita; Moula, Golam; Sarkar, Sabyasachi, A Cyanide-Bridged Molybdenum Bis(maleonitriledithiolate) Square, INORGANIC CHEMISTRY, 53, 1, 6-8, 10.1021/ic402160h JAN 6 2014.
207. Rajput, Amit; Sharma, Anuj K.; Barman, Suman K.; Koley, Debasis; Steinert, Markus; Mukherjee, Rabindranath, Neutral, Cationic, and Anionic Low-Spin Iron(III) Complexes Stabilized by Amidophenolate and Iminobenzosemiquinonate Radical in N,N,O Ligands, INORGANIC CHEMISTRY, 53, 1, 36-48, 10.1021/ic401985d, JAN 6 2014.
208. Brahma, Sanfaori; Iqbal, Sk Asif; Rath, Sankar Prasad, Synthesis, Structure, and Properties of a Series of Chiral Tweezer-Diamine Complexes Consisting of an Achiral Zinc(II) Bisporphyrin Host and Chiral Diamine Guest: Induction and Rationalization of Supramolecular Chirality, INORGANIC CHEMISTRY, 53,1,49-62, 10.1021/ic401091r, JAN 6 2014.
209. Karthikeyan, G.; Ramkumar, J.; Dhamodaran, S. BLOCK EDG: ISSUES AND APPLICABILITY IN MULTIPLE PASS μ ED-MILLING MACHINING SCIENCE AND TECHNOLOGY, 18, 1, 120-136, 10.1080/10910344.2014.863650, JAN 2 2014.
210. Dharamshi, Kewal; Srivastava, Dhananjay Kumar; Agarwal, Avinash Kumar, Combustion characteristics and flame-kernel development of a laser ignited hydrogen-air mixture in a constant volume combustion chamber, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 39,1, 593-601 10.1016/j.ijhydene.2013.10.045, JAN 2 2014.
211. Himanshu, A. K.; Ray, Rajyavardhan; El-Sayed, S.; Hassen, A.; Bandyopadhyay, S. K.; Sinha, T. P. Dielectric relaxation, structural and thermal studies of 95 MeV O₆₊ ion irradiated conducting polymer polyaniline-polyvinyl alcohol, RADIATION EFFECTS AND DEFECTS IN SOLIDS-INCORPORATING PLASMA SCIENCE AND PLASMA TECHNOLOGY, 169, 1, 73-86 10.1080/10420150.2013.821990, JAN 2 2014.
212. Sharma, Deepak; Deb, Kalyanmoy; Kishore, N. N. Customized evolutionary optimization procedure for generating minimum weight compliant mechanisms, ENGINEERING OPTIMIZATION, 46, 1, 39-60 10.1080/0305215X.2012.743535, JAN 2 2014.
213. Vijayakumar, C. T.; Rishwana, S. Shamim; Surender, R.; Mathan, N. David; Vinayagamoorthi, S.; Alam, S. Structurally diverse benzoxazines: synthesis, polymerization, and thermal stability, DESIGNED MONOMERS AND POLYMERS, 17, 1, 47-57, 10.1080/15685551.2013.797216, JAN 2 2014.

214. Shukla, Shrawan Kumar; Maithani, Arun; Srivastava, Deepak, Studies on the effect of concentration of formaldehyde on the synthesis of resole-type epoxidized phenolic resin from renewable resource material, *DESIGNED MONOMERS AND POLYMERS*, 17, 1, 69-77, 10.1080/15685551.2013.840469, JAN 2 2014.
215. Sahoo, Dipankar; Suriyanarayanan, Ramakirushnan; Metre, Ramesh K.; Chandrasekhar, Vadapalli Molecular and polymeric zinc(II) phosphonates: isolation of an octanuclear ellipsoidal ensemble, *DALTON TRANSACTIONS*, 43,19,7304-7313 ,10.1039/c3dt53614a, 2014.
216. Goswami, Shyamaprosad; Chakraborty, Shampa; Paul, Sima; Halder, Sandipan; Panja, Sukanya; Mukhopadhyay, Subhra Kanti, A new pyrene based highly sensitive fluorescence probe for copper(II) and fluoride with living cell application, *ORGANIC & BIOMOLECULAR CHEMISTRY*, 12, 19, 3037- 3044, 10.1039/c4ob00067f, 2014.
217. Saha, Debasish; Joshi, Yogesh M.; Bandyopadhyay, Ranjini, Investigation of the dynamical slowing down process in soft glassy colloidal suspensions: comparisons with supercooled liquids, *SOFT MATTER*, 10, 18, 3292-3300, 10.1039/c4sm00187g, 2014.
218. S.Jain, Ankita; Suchita; Kumar, K. Pradeep; Vijaya, R. Vodopyanov, KL; Pump suppressed four-wave mixing in optical fibers for correlated photon generation using feedback technique, *NONLINEAR FREQUENCY GENERATION AND CONVERSION: MATERIALS, DEVICES, AND APPLICATIONS XIII* Proceedings of SPIE, 8964, 2014. Conference on Nonlinear Frequency Generation and Conversion - Materials, Devices, and Applications XIII FEB 04-06, 2014, SPIE San Francisco.
219. Sen, Susan; Neogi, Subhadip; Aijaz, Arshad; Xu, Qiang; Bharadwaj, Parimal K. Structural variation in Zn(II) coordination polymers built with a semi-rigid tetracarboxylate and different pyridine linkers: synthesis and selective CO₂ adsorption studies, *DALTON TRANSACTIONS*, 43, 16, 6100-6107, 10.1039/c3dt52977k, 2014.
220. Nungesser, Ernesto; Andersson, Lars; Bose, Soumyajit; Coley, Alan A. Isotropization of solutions of the Einstein-Vlasov system with Bianchi V symmetry, *GENERAL RELATIVITY AND GRAVITATION*, 46, 1, 1628, 10.1007/s10714-013-1628-4, JAN 2014.
221. Dey, Soumyajit; Iqbal, Sk Asif; Rath, Sankar Prasad, Self-assembly of cobalt(II) and zinc(II) tetranitrooctaethylporphyrin via bidentate axial ligands: synthesis, structure, surface morphology and effect of axial coordination, *NEW JOURNAL OF CHEMISTRY*, 38, 4, 1458- 1470, 10.1039/c3nj01248d 2014.
222. Parveen, Mehtab; Malla, Ali Mohammed; Alam, Mahboob; Ahmad, Musheer; Rafiq, Shahnawaz, Stereoselective synthesis of Z-acrylonitrile derivatives: catalytic and acetylcholinesterase inhibition studies, *NEW JOURNAL OF CHEMISTRY*, 38, 4, 1655-1667, 10.1039/c3nj01384g, 2014.
223. Shakya, Akhilesh Kumar; Kumar, Ashok; Nandakumar, Kutty Selva, Chemical cross-linking abrogates adjuvant potential of natural polymers , *RSC ADVANCES*, 4, 27, 13817-13821 10.1039/c4ra01331j, 2014.
224. Mukherjee, Jonaki; Ghosh, Arnab; Ghosh, Sujan; Ranjan, Ashok; Saxena, Arvind K.; Das, Probal K.; Banerjee, Rajat, Wide visible and unique NIR fluorescence from SiC nanocrystals embedded in carbon rich SiC matrix derived from liquid polycarbosilane, *RSC ADVANCES*, 4, 27, 13822-13826 10.1039/c3ra48006b, 2014.

225. Sarkar, Debdeep; Srivastava, Kumar Vaibhav; Saurav, Kushmanda, A Compact Microstrip-Fed Triple Band-Notched UWB Monopole Antenna, IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 13, 396-399, 10.1109/LAWP.2014.2306812, 2014.
226. Pratap, Aditya; Kumar, Jitendra; Kumar, Shiv, EVALUATION OF WILD SPECIES OF LENTIL FOR AGRO-MORPHOLOGICAL TRAITS LEGUME RESEARCH, 37,1, 11-18, 10.5958/j.0976-0571.37.1.002, 2014.
227. Ansari, Alafia A.; Vankar, Y. D. Synthesis of pyrrolidine iminosugars, (-)-lentiginosine, (-)-swainsonine and their 8 α -epimers from D-glycals, RSC ADVANCES, 4, 24, 12555- 12567 10.1039/c3ra47555g, 2014.
228. Rao, Maddali L. N.; Dhanorkar, Ritesh J. Threefold and chemoselective couplings of triarylbiuths with benzylic chlorides and iodides using palladium catalysis, RSC ADVANCES, 4, 25, 13134- 13144 10.1039/c3ra46672h, 2014.
229. Mishra, Anupam; Meherotra, Rohit, Head and Neck Cancer: Global Burden and Regional Trends in India, ASIAN PACIFIC JOURNAL OF CANCER PREVENTION, 15, 2, 537-550, 10.7314/APJCP.2014.15.2.537, 2014.
230. Chowdhury, Debashish, Michaelis-Menten at 100 and allostereism at 50: driving molecular motors in a hailstorm with noisy ATPase engines and allosteric transmission, FEBS JOURNAL, 281, 2 SI, 601-611 10.1111/febs.12596, JAN 2014.
231. Goswami, Yogesh; Ghosh, Bahniman; Asthana, Pranav Kumar, Analog performance of Si junctionless tunnel field effect transistor and its improvisation using III-V semiconductor, RSC ADVANCES, 4, 21, 10761-10765, 10.1039/c3ra46535g, 2014.
232. Patra, Tarak K.; Singh, Jayant K. Singh, Jayant/A-1820-2011, Polymer directed aggregation and dispersion of anisotropic nanoparticles, SOFT MATTER, 10, 11, 1823-1830, 10.1039/c3sm52216d, 2014.
233. Kaushal, Manish; Joshi, Yogesh M. Linear viscoelasticity of soft glassy materials, SOFT MATTER 10, 12, 1891-1894, 10.1039/c3sm52978a, 2014.
234. Kar, Samares, On the Characteristics of Traps and Charges in the Si/SiO₂/HfO₂/TaN High-k Gate Stacks, ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, 3, 3, N30N38, 10.1149/2.006403jss, 2014.
235. Bhattacharjee, Sudeep; Dey, Indranuj; Chowdhury, Krishanu Roy; Sahu, Debaprasad; Pandey, Shail; Chatterjee, Sanghomitro, Trapping of electrons in troughs of self generated electromagnetic standing waves in a bounded plasma column, PHYSICS OF PLASMAS, 21, 1, 012111, 10.1063/1.4863427, JAN 2014.
236. Gupta, Paras; Dhar, Atul; Agarwal, Avinash Kumar, EXPERIMENTAL INVESTIGATIONS OF A SINGLE CYLINDER GENSET ENGINE WITH COMMON RAIL FUEL INJECTION SYSTEM THERMAL SCIENCE, 18, 1, 249- 258, 10.2298/TSCII30219083G, 2014.
237. Barua, Sourabh; Rajeev, K. P. Rajeev, KP/A-5685-2010, Status of surface conduction in topological insulators, AIP ADVANCES, 4,1, 017135, 10.1063/1.4864058, JAN 2014.

238. Ghosh, Bahniman; Katiyar, Saurabh; Salimath, Akshaykumar, Role of electron-electron scattering on spin transport in single layer grapheme, AIP ADVANCES, 4, 1, 017116, 10.1063/1.4862674, JAN 2014.
239. Ghosh, Suddhasheel; Lohani, Bharat; Misra, Neeraj , A study-based ranking of LiDAR data visualization schemes aided by georectified aerial images, CARTOGRAPHY AND GEOGRAPHIC INFORMATION SCIENCE, 41 2, 138-150, 10.1080/15230406.2014.880071, 2014.
240. Banerjee, Mohua; Dubois, Didier, A simple logic for reasoning about incomplete knowledge, INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, 55, 2, 639-653, 10.1016/j.ijar.2013.11.003, JAN 2014.
241. Pandey, Vibha; Rao, K. V.; Shukla, P. K.; Dwivedi, U. N.; Goel, Sudhir K. Detection and quantitation of GNA -transgene in GM rice using real time, PCR JOURNAL OF ENVIRONMENTAL BIOLOGY, 35, 1, 167- 172, JAN 2014.
242. Sharma, Amit Siddharth; Biswas, Krishanu; Basu, Bikramjit, Microstructure-Wear Resistance Correlation and Wear Mechanisms of Spark Plasma Sintered Cu-Pb Nanocomposites, METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 45A, 1, 482- 500, 10.1007/s11661-013-1965-7, JAN 2014.
243. Hens, Abhiram; Biswas, Gautam; De, Sudipta, Analysis of interfacial instability and multimode bubble formation in saturated boiling using coupled level set and volume-of-fluid approach, PHYSICS OF FLUIDS, 26 , 1, 012105, 10.1063/1.4861760 , JAN 2014.
244. Vinoth, B. R.; Panigrahi, P. K. Characteristics of low Reynolds number non-Boussinesq fountains from non-circular sources, PHYSICS OF FLUIDS, 26, 1 , 014106, 10.1063/1.4862443, JAN 2014.
245. Metre, Ramesh K.; Mohapatra, Chandrajeet; Sahoo, Dipankar; Chandrasekhar, Vadapalli, Assembly of hexa- and trinuclear monoorganostannoxanes: hemi-labile nature of intramolecular N -> Sn coordination in RSnCl₃ (R=2-phenylazophenyl) DALTON TRANSACTIONS, 43, 8, 3364-3371 10.1039/c3dt53050g, 2014.
246. Kadalbajoo, Mohan K.; Tripathi, Lok Pati; Arora, Puneet, A robust nonuniform B-spline collocation method for solving the generalized Black-Scholes equation, IMA JOURNAL OF NUMERICAL ANALYSIS, 34 1, 252- 278, 10.1093/imanum/drs053, JAN 2014.
247. Shukla, J. B.; Goyal, Ashish; Tiwari, P. K.; Misra, A. K. MODELING THE ROLE OF DISSOLVED OXYGEN-DEPENDENT BACTERIA ON BIODEGRADATION OF ORGANIC POLLUTANTS INTERNATIONAL JOURNAL OF BIOMATHEMATICS, 7, 1, 1450008 10.1142/S1793524514500089, JAN 2014.
248. Rao, K. Sudheendra; Mohapatra, Y. N. Disentangling degradation and auto-recovery of luminescence in Alq(3) based organic light emitting diodes, JOURNAL OF LUMINESCENCE 145, 793- 796, 10.1016/j.jlumin.2013.08.067, JAN 2014.
249. Muralidhar, K. Imaging unsteady three-dimensional transport phenomena, PRAMANA-JOURNAL OF PHYSICS, 82, 1 SI, 3, 14, 10.1007/s12043-013-0638-9, JAN 2014.

250. Arellano, K. D. Robles; Bichler, L.; Akkiraju, K.; Fong, R.; Mondal, K. Densification behavior of Spark Plasma Sintered La₂O₃-YSZ ceramic composites, *CERAMICS INTERNATIONAL*, 40, 1, 715-722, 10.1016/j.ceramint.2013.06.060, JAN 2014 .
251. Chandrasekhar, Vadapalli; Dey, Atanu; Das, Sourav; Kundu, Subrata, Syntheses and structures of a family of heterometallic pentanuclear [Mn(3)(III)LnNa] (Ln = Dy, Tb, Gd and Nd) complexes: H-bonding reduces the nuclearity from nine to five , *CRYSTENGCOMM*, 16, 7, 1304-1310, 10.1039/c3ce41863d, 2014.
252. Damania, Apeksha; Jain, Era; Kumar, Ashok, Advancements in in vitro hepatic models: application for drug screening and therapeutics, *HEPATOLOGY INTERNATIONAL*, 8, 1, 23, 38, 10.1007/s12072-013-9490-8, JAN 2014.
253. Bajpai, Alankriti; Krishna, M. S.; Moorthy, Jarugu Narasimha, Engineering of Lattice Inclusion Based on Dimer Syntho-Mediated Hierarchical Self-Assembly of Carboxylic Acids, *JOURNAL OF THE INDIAN INSTITUTE OF SCIENCE*, 94, 1 SI, 25, 34, JAN-MAR 2014.
254. Herkendell, Katharina; Shukla, Vishnu Raj; Patel, Anup Kumar; Balani, Kantesh, Domination of volumetric toughening by silver nanoparticles over interfacial strengthening of carbon nanotubes in bactericidal hydroxyapatite biocomposite, *MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS*, 34, 455-467, 10.1016/j.msec.2013.09.034 , JAN 1 2014.
255. Hazra, K. K.; Chandra, Subhash, Mild to prolonged stress increased rice tillering and source-to-sink nutrient translocation under SRI management, *PADDY AND WATER ENVIRONMENT* 12, 1, 245-250, 10.1007/s10333-013-0361-7, JAN 2014.
256. Rajesh, P. S. M.; Bodkhe, Sampada; Kamle, Sudhir; Verma, Vivek, Enhancing Beta-Phase in PVDF through Physicochemical Modification of Cellulose, *ELECTRONIC MATERIALS LETTERS*, 10, 1, 315-319, 10.1007/s13391-013-3083-5, JAN 2014.
257. Upadhyaya, Vinayak; Pai, Sandeep R.; Sharma, Ajay K.; Hegde, Harsha V.; Kholkute, Sanjiva D.; Joshi, Rajesh K. Compound Specific Extraction of Camptothecin from *Nothapodytes nimmoniana* and Piperine from *Piper nigrum* Using Accelerated Solvent Extractor , *JOURNAL OF ANALYTICAL METHODS IN CHEMISTRY UNSP* 932036, 10.1155/2014/932036, 2014.
258. Akhtar, M. Jaleel; Tiwari, Nilesh K.; Devi, Jutika; Mahmoud, Morsi; Link, Guido; Thumm, Manfred, Determination of Effective Constitutive Properties of Metal Powders at 2.45 GHz for Microwave Processing Applications, *FREQUENZ*, 68, 1, 2, 69-81, 10.1515/freq-2013-0083, JAN 2014.
259. Rao, Arikkala Raghurama; Basak, Rupal; Bhattacharya, Jishnu; Chandra, Sarthak; Maheshwari, Nikunj; Choudhury, Manojendu; Misra, Ranjeev, Time-resolved spectral analysis of prompt emission from long gamma-ray bursts with GeV emission, *RESEARCH IN ASTRONOMY AND ASTROPHYSICS*, 14, 1, 35-46 , 10.1088/1674-4527/14/1/003, JAN 2014. .
260. Sarkar, Swarbhanu; Chatterjee, Nivedita; Roy, Manas; Pal, Rammyani; Sarkar, Sabyasachi; Sen, Asish Kumar, Nanodomain cubic cuprous oxide as reusable catalyst in one-pot synthesis of 3-alkyl/aryl-3-(pyrrole-2-yl/indole-3-yl)-2-phenyl-2,3-dihydro-isoindolinones in aqueous medium, *RSC ADVANCES*, 4, 14, 7024-7029, 10.1039/c3ra46168h, 2014.

261. Gupta, Ankur; Pandey, S. S.; Nayak, Monalisha; Maity, Arnab; Majumder, Subhashish Basu; Bhattacharya, Shantanu ,Hydrogen sensing based on nanoporous silica-embedded ultra dense ZnO nanobundles, RSC ADVANCES, 4, 15, 7476-7482, 10.1039/c3ra45316b, 2014.
262. Kisan, Bhagaban; Shyni, P. C.; Layek, Samar; Verma, H. C.; Hesp, David; Dhanak, Vinod; Krishnamurthy, Satheesh; Perumal, A. Finite Size Effects in Magnetic and Optical Properties of Antiferromagnetic NiO Nanoparticles,1, IEEE TRANSACTIONS ON MAGNETICS 50,1,2300704 10.1109/TMAG.2013.2278539,JAN 2014.
263. Vankar, Padma S.; Sahu, Rama Shanker, Graft copolymer of Moringa seed as remedial agent of industrial effluent, PIGMENT & RESIN TECHNOLOGY,43,1,52-58, 10.1108/PRT-08-2012-0058, 2014.
- 264.Dubey, Prashant; Tripathi, Kumud Malika; Sonkar, Sumit Kumar, Gram scale synthesis of green fluorescent water-soluble onion-like carbon nanoparticles from camphor and polystyrene foam, RSC ADVANCES, 4, 12, 5838-5844 , 10.1039/c3ra45261a,2014.
265. Mandal, M.; Moon, A. P.; Deo, G.; Mendis, C. L.; Mondal, K. Mendis, Chamini/G-4280-2011, Mendis, Chamini/0000-0001-7124-0544 , Corrosion behavior of Mg-2.4Zn alloy micro-alloyed with Ag and Ca, CORROSION SCIENCE, 78, 172- 182, 10.1016/j.corsci.2013.09.012, JAN 2014.
266. Chandrasekhar, Vadapalli; Metre, Ramesh K.; Sahoo, Dipankar, Bi-38 Oxocarboxylate Cages are Keplerates - Synthesis and Structural Characterization of Two Bi-38 Oxocarboxylate Cages, EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2014,1,164-17110.1002/ejic.201301021,JAN 2014.
- 267.Chandrasekhar, Vadapalli; Das, Sourav; Dey, Atanu; Hossain, Sakiat; Kundu, Subrata; Colacio, Enrique Linear, Edge-Sharing Heterometallic Trinuclear [Co-II-Ln(III)-Co-II] (Ln(III) = Gd-III, Dy-III, Tb-III, and Ho-III) Complexes: Slow Relaxation of Magnetization in the Dy-III Derivative, EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2014, 2,397-406, 10.1002/ejic.201301171, JAN 2014.
268. Shakya, Snehlata; Munshi, Prabhat; Behling, M.; Luke, A.; Mewes.D, Analysis of dynamic bias error in X-ray tomographic reconstructions of a three-phase flow system, INTERNATIONAL JOURNAL OF MULTIPHASE FLOW, 58, 57-71,10.1016/j.ijmultiphaseflow.2013.08.004, JAN 2014.
- 269.Rizvi, H.; Babu, B. Kalyana; Agrawal, P. K, Molecular analysis of kabuli and desi type of Indian chickpea (*Cicer arietinum* L.) cultivars using STMS markers,JOURNAL OF PLANT BIOCHEMISTRY AND BIOTECHNOLOGY, 23,1, 52,60,10.1007/s13562-012-0187-1, JAN 2014.
- 270.Nathwani, Karan; Shukla, Arpit; Khunteta, Shubham; Hegde, Rajesh M, An Adaptive Non Reference Anchor Array Framework for Audio Retrieval in Teleconferencing Environment, JOURNAL OF SIGNAL PROCESSING SYSTEMS FOR SIGNAL IMAGE AND VIDEO TECHNOLOGY, 74, 1, 91,102,10.1007/s11265-013-0786-7, JAN 2014.
271. Pandey, G. N.; Thapa, Khem B.; Ojha, S. P, Omni directional reflectance properties of superconductor-dielectric photonic crystal, OPTIK, 125, 1, 252-256, 10.1016/j.ijleo.2013.06.064, 2014.
- 272.Singh, S. P.; Jatan, R.; Janma, R.; Singh, B. D.; Singh, Vivek; Rao, M. P. S,An analytical study of a doubly clad compressed ellipse optical waveguide, OPTIK, 125 1, 409-413, 10.1016/j.ijleo.2013.06.086,2014.

273. Singh, Rajeev Kumar; Kumar, Avinash; Kant, Rishi; Gupta, Ankur; Suresh, E.; Bhattacharya, Shantanu, Design and fabrication of 3-dimensional helical structures in polydimethylsiloxane for flow control applications, *MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS*, 20, 1, 101-111, 10.1007/s00542-013-1738-7 , JAN 2014
274. Katoch, Rajesh; Gupta, Rajeev; Garg, Ashish, Gupta, Rajeev/C-8262-2012 Gupta, Rajeev/0000-0002-8328-9780, Large ferroelectric polarization of chemical solution processed BiFeO₃-PbTiO₃ thin films, *SOLID STATE COMMUNICATIONS*, 177, 103-107, 10.1016/j.ssc.2013.07.024, JAN 2014.
275. Liu, Yemei; Sinha, Sujeet Kumar; Lim, Christina Y. H.; Loy, Keldren Xing Zheng, Pre-Polishing the Metal Counterface of Metal-UHMWPE Wear Pair with Filler-Filled UHMWPE Composites to Generate Counterface Changes for an Effective Reduction in Pure UHMWPE Wear, *TRIBOLOGY LETTERS*, 53, 1, 11-16, 10.1007/s11249-013-0239-2, JAN 2014.
276. Johannsen, Daniel; Kurur, Piyush P.; Lengler, Johannes, Evolutionary Algorithms for Quantum Computers, *ALGORITHMICA*, 68, 1, 152-189, 10.1007/s00453-013-9784-1, JAN 2014.
277. Sankararamkrishnan, Nalini; Jaiswal, Meha; Verma, Nishith, Composite nanofloral clusters of carbon nanotubes and activated alumina: An efficient sorbent for heavy metal removal, *CHEMICAL ENGINEERING JOURNAL*, 235, 1-9, 10.1016/j.ccej.2013.08.070, JAN 1 2014.
278. Nagapradeep, N.; Venkatesh, V.; Tripathi, S. K.; Verma, Sandeep, Guanine-copper coordination polymers: crystal analysis and application as thin film precursors , *DALTON TRANSACTIONS*, 43, 4, 1744-1752, 10.1039/c3dt52415a, 2014.
279. Dey, Soumyajit; Rath, Sankar Prasad, Syn-anti conformational switching in an ethane-bridged Co (II)bisporphyrin induced by external stimuli: effects of inter-macrocyclic interactions, axial ligation and chemical and electrochemical oxidations, *DALTON TRANSACTIONS*, 43, 5, 2301-2314, 10.1039/c3dt52784k, 2014.
280. Khan, Md Aquil; Banerjee, Mohua; Rieke, Roland, An update logic for information systems, 4, *INTERNATIONAL JOURNAL OF APPROXIMATE REASONING*, 55, 1, 436-456, 10.1016/j.ijar.2013.07.007, JAN 2014.
281. Singh, Deepa; Garg, Ashish; Deepak, Cooling rate controlled microstructure evolution and reduced coercivity in P(VDF-TrFE) devices for memory applications, *ORGANIC ELECTRONICS*, 15, 1, 82-90, 10.1016/j.orgel.2013.10.024, JAN 2014.
282. Nagarajan, Natarajan; Velmurugan, Gunasekaran; Prakash, Asit; Shakti, Nanda; Katiyar, Monica; Venuvanalingam, Ponnambalam; Renganathan, Rajalingam, Highly Emissive Luminogens Based on Imidazo[1,2-a]pyridine for Electroluminescent Applications, *CHEMISTRY-AN ASIAN JOURNAL*, 9, 1, 294-304, 10.1002/asia.201301061, JAN 2014.
283. Goel, Salil; Lohani, Bharat, A Motion Correction Technique for Laser Scanning of Moving Objects, *IEEE GEOSCIENCE AND REMOTE SENSING LETTERS*, 11, 1, 225-228, 10.1109/LGRS.2013.2253444, JAN 2014.
284. Nanda, S.; Patra, N. R; Theoretical Load-Transfer Curves along Piles Considering Soil Nonlinearity, *JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING*, 140, 1, 91-101, 10.1061/(ASCE)GT.1943-5606.0000997, JAN 1 2014.

285. S.Sinha, Sujeet K. Patel, HC; Deheri, G; Patel, HS; Mehta, SM; Lubrication for Microsystems, PROCEEDINGS OF INTERNATIONAL CONFERENCE ON ADVANCES IN TRIBOLOGY AND ENGINEERING SYSTEMS (ICATES 2013) Lecture Notes in Mechanical Engineering, 231-236, 10.1007/978-81-322-1656-8_21, 2014, International Conference on Advances in Tribology and Engineering Systems (ICATES) OCT 15-17, 2013, Gujarat Technol Univ; L D Coll Engr, Dept Math Ahmedabad, INDIA.
286. Kundu, Debasis; Gupta, Arjun. K, On bivariate Weibull-Geometric distribution, JOURNAL OF MULTIVARIATE ANALYSIS , 123, 19-29, 10.1016/j.jmva.2013.08.004, JAN 2014.
287. Saleh, A. K. Md Ehsanes; Shalabh, A ridge regression estimation approach to the measurement error model, JOURNAL OF MULTIVARIATE ANALYSIS, 123, 68-84, 10.1016/j.jmva.2013.08.014 JAN 2014.
288. Nath, Dinesh; Verma, Mahendra K.verma, mahendra/G-4041-2013 verma, mahendra/0000-0002-3380-4561, Numerical simulation of convection of argon gas in fast breeder reactor, ANNALS OF NUCLEAR ENERGY, 63, 51-58, 10.1016/j.anucene.2013.07.021, JAN 2014.
289. Mameli, Mauro; Marengo, Marco; Khandekar, Sameer, Local heat transfer measurement and thermo-fluid characterization of a pulsating heat pipe,INTERNATIONAL JOURNAL OF THERMAL SCIENCES, 75, 140-152, 10.1016/j.ijthermalsci.2013.07.025, JAN 2014.
290. Srivastava, Alok Kumar; Sachan, Priyanka; Samanta, Chandan; Mukhopadhyay, Kingsuk; Sharma, Ashutosh Sharma, Ashutosh/D-1034-2011, Sharma, Ashutosh/0000-0002-2653-0806, Domain growth of carbon nanotubes assisted by dewetting of thin catalyst precursor films, APPLIED SURFACE SCIENCE, 288, 215-221, 10.1016/j.apsusc.2013.10.009, JAN 1 2014.
291. Patel, D. N.; Singh, Ravi Pratap; Thareja, Raj .K, Craters and nanostructures with laser ablation of metal/metal alloy in air and liquid, APPLIED SURFACE SCIENCE, 288, 550-557, 10.1016/j.apsusc.2013.10.072, JAN 1 2014.
292. Srivastav, Ajeet K.; Shekhar, Rajiv, Crystal anisotropy induced temperature dependent magnetization in cobalt nanowires electrodeposited within alumina template, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 349, 21-26, 10.1016/j.jmmm.2013.08.041, JAN 2014.
293. Jain, Sachin K.; Singh, S. N, Low-Order Dominant Harmonic Estimation Using Adaptive Wavelet Neural Network, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 61,1, 428-435, 10.1109/TIE.2013.2242414, JAN 2014.
294. Patel, Vinay Kumar; Bhattacharya, Shantanu, High-Performance Nanothermite Composites Based on Aloe-Vera-Directed CuO Nanorods, ACS APPLIED MATERIALS & INTERFACES, 5,24,13364-13374,10.1021/am404308s, DEC 25 2013.
295. Bhagyaraj, J.; Ramaiah, K. V.; Saikrishna, C. N.; Bhaumik, S. K.; Gouthama, Behavior and effect of Ti₂Ni phase during processing of NiTi shape memory alloy wire from cast ingot, JOURNAL OF ALLOYS AND COMPOUNDS , 581, 344-351, 10.1016/j.jallcom.2013.07.046, DEC 25 2013.

296. Bhunya, Sourav; Banerjee, Ambar; Tripathi, Ravi; Nair, Nisanth N.; Paul, Ankan, Nair, Nisanth/E-2654-2014, Ammonia-Borane Dehydrogenation by Means of an Unexpected Pentacoordinate Boron Species: Insights from Density Functional and Molecular Dynamics Studies, CHEMISTRY-A EUROPEAN JOURNAL, 19, 52, 17673 -17678, 10.1002/chem.201303263, DEC 23 2013.
297. Ghosh, Sudip Kumar; Bhowmik, Susovan; Sil, Debangsu; Rath, Sankar Prasad, Effect of Heme-Heme Interactions and Modulation of Metal Spins by Counter Anions in a Series of Diiron(III)- μ -hydroxo Bisporphyrins: Unusual Stabilization of Two Different Spins in a Single Molecular Framework, CHEMISTRY-A EUROPEAN JOURNAL, 19, 52, 17846-17859, 10.1002/chem.201301318, DEC 23 2013.
298. Dutta, G. S.; Venkatesan. C, Analytical and empirical modeling of multilayered elastomeric isolators from damping experiments, JOURNAL OF SOUND AND VIBRATION, 332,26, 6913-6923, 10.1016/j.jsv.2013.08.013, DEC 23 2013.
299. Mohanta, S. K.; Mishra, S. N.; Davane, S. M.; Layek, S.; Hossain. Z, LOCAL MAGNETIC BEHAVIOR OF Fe-54 in EuFe₂As₂ AND Eu_{0.5}K_{0.5}Fe₂As₂: MICROSCOPIC STUDY USING TIME DIFFERENTIAL PERTURBED ANGULAR DISTRIBUTION (TDPAD) SPECTROSCOPY MODERN PHYSICS LETTERS B, 27-31, 1350234, 10.1142/S0217984913502345, DEC 20 2013.
300. Roy, Arijit; Manna, I.; Tarafder, S.; Sivaprasad, S.; Paswan, S.; Chattoraj. I, Hydrogen enhanced fatigue crack growth in an HSLA steel, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 588, 86-96, 10.1016/j.msea.2013.08.079, DEC 20 2013.
301. Singh, Pankaj Kumar; Singh, Sweta; Ganesh, Subramaniam, Activation of serum/glucocorticoid-induced kinase 1 (SGK1) underlies increased glycogen levels, mTOR activation, and autophagy defects in Lafora disease, MOLECULAR BIOLOGY OF THE CELL, 24, 24, 3776 -3786, 10.1091/mbc.E13-05-0261, DEC 15 2013.
302. Sengupta, Tapan K.; Bhole, Ashish; Sreejith, N. A. Direct numerical simulation of 2D transonic flows around airfoils, COMPUTERS & FLUIDS, 88, 19, 37, 10.1016/j.compfluid.2013.08.007, DEC 15 2013.
303. Sengupta, Tapan K.; Singh, Himanshu; Bhaumik, Swagata; Chowdhury, Rajarshi R. Diffusion in inhomogeneous flows: Unique equilibrium state in an internal flow, COMPUTERS & FLUIDS, 88,440-451, 10.1016/j.compfluid.2013.10.005, DEC 15 2013.
304. Saha, Arun K. Unsteady flow past a finite square cylinder mounted on a wall at low Reynolds number , COMPUTERS & FLUIDS, 88, 599-615, 10.1016/j.compfluid.2013.10.010, DEC 15 2013.
305. Prasad, Janki; Singh, Vinay Kr.; Shrivastava, Atul; Chaturvedi, Upma; Bhatia, Gitika; Arya, K. R.; Awasthi, S. K.; Narender, T.; Antidyslipidemic and antioxidant activity of an unusual amino acid (2-amino-5-hydroxyhexanoic acid) isolated from the seeds of Crotalaria juncea, PHYTOMEDICINE, 21,1, 15- 19, 10.1016/j.phymed.2013.08.004, DEC 15 2013.
306. Roy, Rashmi; Kancharla, Pavan K.; Reddy, Y. Suman; Brar, Anita; Vankar, Y. D.; Synthesis of isofagomine and some new azasugars as glycosidase inhibitors from D-mannitol derived nitroolefins, TETRAHEDRON-ASYMMETRY, 24, 23, 1502-1513, 10.1016/j.tetasy.2013.09.021, DEC 15 2013.

307. Dey, Anshuman; Roy, Pratim; Sarkar, Tapobrata; Information geometry, phase transitions, and the Widom line: Magnetic and liquid systems, *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*, 392, 24, 6341- 6352, 10.1016/j.physa.2013.09.017, DEC 15 2013.
308. Shukla, A. K.; Murty, S. V. S. Narayana; Kumar, R. Suresh; Mondal, K.; Effect of powder milling on mechanical properties of hot-pressed and hot-rolled Cu-Cr-Nb alloy, *JOURNAL OF ALLOYS AND COMPOUNDS* , 580, 427- 434, 10.1016/j.jallcom.2013.06.118, DEC 15 2013.
309. Paramanik, U. B.; Anupam; Burkhardt, U.; Prasad, R.; Geibel, C.; Hossain, Z.; Valence fluctuation in CeMo₂Si₂C, *JOURNAL OF ALLOYS AND COMPOUNDS*, 580, 435-441, 10.1016/j.jallcom.2013.05.169, DEC 15 2013.
310. Gupta, Shyam L.; Thareja, Raj K.; ZnO thin film deposition using colliding plasma plumes and single plasma plume: Structural and optical properties, *JOURNAL OF APPLIED PHYSICS*, 114, 22, 224903 , 10.1063/1.4846115, DEC 14 2013.
311. Mandal, P.; Ramakrishna, S. Anantha; Patil, Raj; Gopal, Achanta Venu; Polarization dependent color switching by extra-ordinary transmission in H-slit plasmonic metasurface, *JOURNAL OF APPLIED PHYSICS*, 114, 22, 224303, 10.1063/1.4842115, DEC 14 2013.
312. Singh, Saurabh Kumar; Rajeshkumar, Thayalan; Chandrasekhar, Vadapalli; Rajaraman, Gopalan; Theoretical studies on {3d-Gd} and {3d-Gd-3d} complexes: Effect of metal substitution on the effective exchange interaction, *POLYHEDRON*, 66 SI, 81-86, 10.1016/j.poly.2013.02.037, DEC 13 2013.
313. Saikrishna, C. N.; Ramaiah, K. V.; Bhagyaraj, J.; Gouthama; Bhaumik, S. K.; Influence of stored elastic strain energy on fatigue behaviour of NiTi shape memory alloy thermal actuator wire, *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, 587, 65- 71, 10.1016/j.msea.2013.08.048, DEC 10 2013.
314. Karthik, Vedhagiri; Bhat, Irshad Ahmad; Anantharaman, Ganapathi; Backbone Thio-Functionalized Imidazol-2-ylidene-Metal Complexes: Synthesis, Structure, Electronic Properties, and Catalytic Activity, *ORGANOMETALLICS*, 32, 23 , 7006-7013, 10.1021/om400585b, DEC 9 2013.
315. Chakrabarti, Dipankar; Mondal, Chandan; Nucleon and flavor form factors in a light front quark model in AdS/QCD, *EUROPEAN PHYSICAL JOURNAL C*, 73, 12, 2671, 10.1140/epjc/s10052-013-2671-8 , DEC 6 2013.
316. Swarnalakshmi, K.; Dhar, Dolly Wattal; Senthilkumar, M.; Singh, P. K.; Comparative Performance of Cyanobacterial Strains on Soil Fertility and Plant Growth Parameters in Rice, *VEGETOS*, 26, 2, 227- 236, 10.5958/j.2229-4473.26.2.079, DEC 2013.
317. Patil, Prakash; Singh, I. P.; Dhar, Vishwa; Chaudhary, R. G.; Datta, S.; Chaturvedi, S. K.; Nadarajan, N.; VARIANT SPECIFIC STUDIES ON INHERITANCE FOR RESISTANCE TO FUSARIUM WILT IN PIGEONPEA[CAJANUS CAJAN (L.) MILLSP.] *LEGUME RESEARCH*, 36, 6, 576-581, DEC 2013.
318. Agnihotri, Pawan; Singhal, Vaibhav; Rai, Durgesh C.; Effect of in-plane damage on out-of-plane strength of unreinforced masonry walls, *ENGINEERING STRUCTURES*, 57, 1, 11, 10.1016/j.engstruct.2013.09.004, DEC 2013.

319. Gupta, Deepak; ON DEFINING CHEMICAL POTENTIAL IN AN IDEAL GAS MIXTURE JOURNAL OF MATERIALS EDUCATION, 35, 5-6, 121-126, DEC 2013.
320. Biswas, G. ;Variant of a volume-of-fluid method for surface tension-dominant two-phase flows, SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, 38, 6, 1127 -1133, DEC 2013.
321. Sikarwar, Basant Singh; Khandekar, Sameer; Muralidhar, K.; Mathematical modelling of dropwise condensation on textured surfaces, SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, 38,6, 1135 -1171, DEC 2013.
322. Gupta, K. K.; Abbas, S. M.; Srivastava, Anurag; Nasim, M.; Saxena, A. K.; Abhyankar, Ashutosh; Microwave interactive properties of cotton fabrics coated with carbon nanotubes/polyurethane composite, INDIAN JOURNAL OF FIBRE & TEXTILE RESEARCH, 38, 4, 357-365, DEC 2013.
323. Basu, Joysurya; Katoch, Rajesh; Garg, Ashish; Carter, C. Barry; Microstructure and Interfacial Chemistry of Pure and La-doped BiFeO₃ Thin Films, MICROSCOPY RESEARCH AND TECHNIQUE, 76, 12, 1304-1309, 10.1002/jemt.22302, DEC 2013.
324. Bhaumik, Lopamudra; Raychowdhury, Prishati; Seismic response analysis of a nuclear reactor structure considering nonlinear soil-structure interaction, NUCLEAR ENGINEERING AND DESIGN, 265, 1078-1090 , 10.1016/j.nucengdes.2013.09.037, DEC 2013.
325. Varshney, Rajeev K.; Mohan, S. Murali; Gaur, Pooran M.; Gangarao, N. V. P. R.; Pandey, Manish K.; Bohra, Abhishek; Sawargaonkar, Shrikant L.; Chitikineni, Annapurna; Kimurto, Paul K.; Janila, Pasupuleti; Saxena, K. B.; Fikre, Asnake; Sharma, Mamta; Rathore, Abhishek; Pratap, Aditya; Tripathi, Shailesh; Datta, Subhojit; Chaturvedi, S. K.; Mallikarjuna, Nalini; Anuradha, G.; Babbar, Anita; Choudhary, Arbind K.; Mhase, M. B.; Bharadwaj, Ch.; Mannur, D. M.; Harer, P. N.; Guo, Baozhu; Liang, Xuanqiang; Nadarajan, N.; Gowda, C. L. L.; Varshney, Rajeev/C-5295-2014; Abhishek, Rathore/C-5828-2014 Varshney, Rajeev/0000-0002-4562-9131; Achievements and prospects of genomics-assisted breeding in three legume crops of the semi-arid tropics, BIOTECHNOLOGY ADVANCES, 31, 8, 1120-1134 , 10.1016/j.biotechadv.2013.01.001, DEC 2013.
326. Anubhav; Basudhar, P. K.; Interface Behavior of Woven Geotextile with Rounded and Angular Particle Sand, JOURNAL OF MATERIALS IN CIVIL ENGINEERING, 25, 12, 1970-1974, 10.1061/(ASCE)MT.1943-5533.0000774, DEC 1 2013.
327. Kumar, Rohit; Verma, Mahendra K.; Samtaney, Ravi, Energy transfers and magnetic energy growth in small-scale dynamo, EPL, 104, 5, 54001, 10.1209/0295-5075/104/54001, DEC 2013.
328. Gohil, Trushar B.; Saha, Arun K.; Muralidhar, K.; Direct numerical simulation of forced circular jets: Effect of varicose perturbation, INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW, 44, 524-541, 10.1016/j.ijheatfluidflow.2013.08.008, DEC 2013.
329. Rath, Pranati K.; Jain, Pankaj, Testing the dipole modulation model in CMBR JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS, 12, 014, 10.1088/1475-7516/2013/12/014, DEC 2013.
330. Singh, Ravi Pratap; Gupta, Shyam L.; Thareja, Raj K.; Optical probe investigation of laser ablated carbon plasma plume in nitrogen ambient, PHYSICS OF PLASMAS, 20,12, 123509, 10.1063/1.4846897, DEC 2013.

331. Patel, S. A.; Chhabra, R. P.; Steady flow of Bingham plastic fluids past an elliptical cylinder, JOURNAL OF NON-NEWTONIAN FLUID MECHANICS, 202, 32-53, 10.1016/j.jnnfm.2013.09.006, DEC 2013.
332. Dubey, Ashutosh Kumar; Anumol, E. A.; Balani, Kantesh; Basu, Bikramjit; Multifunctional Properties of Multistage Spark Plasma Sintered HA-BaTiO₃-Based Piezobiocomposites for Bone Replacement Applications, JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 96, 12, 3753-3759, 10.1111/jace.12566, DEC 2013.
333. Neelamegam, R.; Shankar, V.; Das, Debopam Shankar, V/F-6269-2010, Suppression of purely elastic instabilities in the torsional flow of viscoelastic fluid past a soft solid, PHYSICS OF FLUIDS, 25, 12, 124102 10.1063/1.4840195, DEC 2013.
334. Verma, Mahendra K.; Karak, Bidya Binay; Kumar, Rohit; Dynamo in protostars, PRAMANA-JOURNAL OF PHYSICS, 81, 6, 1037-1043, 10.1007/s12043-013-0628-y, DEC 2013.
335. Kumar, Arun; Kaur, Gaganpreet; Subramaniam, Anandh; Critical sizes for coherent to semicoherent transition in precipitates, INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, 104, 12, 1171-1181, 10.3139/146.110979, DEC 2013.
336. Ananth, S. M.; Kushari, A.; A Hybrid Approach for the Modelling of Axial Compressor Surge, INTERNATIONAL JOURNAL OF TURBO & JET-ENGINES, 30, 4, 313-324, 10.1515/tjj-2013-0011, DEC 2013.
337. Ahmed, R. Asad; Thanigaiarasu, S.; Santhosh, J.; Elangovan, S.; Rathakrishnan, E.; Study of Slanted Perforated Jets, INTERNATIONAL JOURNAL OF TURBO & JET-ENGINES, 30, 347-357, 10.1515/tjj-2013-0015, DEC 2013.
338. Kaushik, Mrinal; Rathakrishnan, E.; Corrugated Limiting Tab for Jet Mixing, INTERNATIONAL JOURNAL OF TURBO & JET-ENGINES, 30, 4, 359-373, 10.1515/tjj-2013-0016, DEC 2013.
339. Rahman, Qazi Inamur; Ahmad, Musheer; Misra, Sunil Kumar; Lohani, Minaxi B.; Hexagonal ZnO nanorods assembled flowers for photocatalytic dye degradation: Growth, structural and optical properties, SUPERLATTICES AND MICROSTRUCTURES, 64, 495-506, 10.1016/j.spmi.2013.10.011, DEC 2013.
340. Ghorai, Manas K.; Samanta, Sauvik; Das, Subhomoy; Synthesis of 3,5-Disubstituted Cyclohex-2-en-1-one via a Five-Step Domino Reaction Catalyzed by Secondary Amines: Formation of (E)-alpha,beta-Unsaturated Methyl Ketones, ASIAN JOURNAL OF ORGANIC CHEMISTRY, 2, 12, 1026-1030, 10.1002/ajoc.201300142, DEC 2013.
341. Bal, Punyasloka; Akram, M. W.; Mondal, Partha; Ghosh, Bahniman; Performance estimation of sub-30 nm junctionless tunnel FET (JLTFET) JOURNAL OF COMPUTATIONAL ELECTRONICS, 12, 4 SI, 782-789, 10.1007/s10825-013-0483-6, DEC 2013.
342. Misra, A. K.; Mishra, S. N.; Pathak, A. L.; Srivastava, P. K.; Chandra, Peeyush; A mathematical model for the control of carrier-dependent infectious diseases with direct transmission and time delay, CHAOS SOLITONS & FRACTALS, 57, 41-53, 10.1016/j.chaos.2013.08.002, DEC 2013.

343. Ramgadia, Abhishek G.; Saha, Arun K., Three-dimensional numerical study of turbulent flow and heat transfer in a wavy-walled duct, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 67, 98-117, 10.1016/j.ijheatmasstransfer.2013.07.081, DEC 2013.
344. Balla, Vamsi Krishna; Das, Mitun; Bose, Sreyashree; Ram, G. D. Janaki; Manna, Indranil; Das, Mitun/A-3338-2009; Balla, Vamsi/A-7287-2010 Das, Mitun/0000-0003-2334-7392; Balla, Vamsi/0000-0003-2796-7302, Laser surface modification of 316 L stainless steel with bioactive hydroxyapatite, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, 33, 8, 4594-4598, 10.1016/j.msec.2013.07.015, DEC 1 2013.
345. Kumar, Arun; Subramaniam, Anandh; Negative, zero and positive stiffness in extended Eshelby plates, PHILOSOPHICAL MAGAZINE LETTERS, 93, 12, 703-709, 10.1080/09500839.2013.850546, DEC 1 2013.
346. Srivastava, Amit Kumar; Kumar, Jitendra; Effect of zinc addition and vacuum annealing time on the properties of spin-coated low-cost transparent conducting 1 at% Ga-ZnO thin films, SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS, 14, 6, 065002 10.1088/1468-6996/14/6/065002, DEC 2013.
347. Kumawat, H. L.; Singh, Om Pal; Munshi, Prabhat, Uncertainty evaluation of reliability of safety grade decay heat removal system of Indian prototype fast breeder reactor, ANNALS OF NUCLEAR ENERGY, 62, 242-250, 10.1016/j.anucene.2013.05.028 , DEC 2013.
348. Shukla, Ajay Kumar; Deo, Brahma; Robertson, D. G. C.; Role of Air Gap in Scrap Dissolution Process , METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE, 44, 6, 1398- 1406, 10.1007/s11663-013-9906-9 DEC 2013.
349. Shukla, Ajay Kumar; Deo, Brahma; Robertson, D. G. C.; Scrap Dissolution in Molten Iron Containing Carbon for the Case of Coupled Heat and Mass Transfer Control, METALLURGICAL AND MATERIALS TRANSACTIONS B-PROCESS METALLURGY AND MATERIALS PROCESSING SCIENCE, 44, 6, 1407-1427, 10.1007/s11663-013-9905-x, DEC 2013.
350. Agarwal, S. C.; Role of heterogeneities in Staebler-Wronski effect, PHILOSOPHICAL MAGAZINE, 93, 34, 4213-4220, 10.1080/14786435.2013.824626, DEC 1 2013.
351. Jain, Shilpee; Sharma, Ashutosh; Basu, Bikramjit; Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Vertical electric field stimulated neural cell functionality on porous amorphous carbon electrodes, BIOMATERIALS, 34, 37, 9252-9263, 10.1016/j.biomaterials.2013.08.057, DEC 2013.
352. Nainegali, Lohitkumar S.; Basudhar, Prabir Kumar; Ghosh, Priyanka; Interference of Two Asymmetric Closely Spaced Strip Footings Resting on Nonhomogeneous and Linearly Elastic Soil Bed, INTERNATIONAL JOURNAL OF GEOMECHANICS , 13, 6, 840-851 , 10.1061/(ASCE)GM.1943-5622.0000290, DEC 1 2013.
353. Vankar, Padma S.; Sarswat, Rishabh; Dwivedi, Ashish K.; Sahu, Rama Shanker; An assessment and characterization for biosorption efficiency of natural dye waste, JOURNAL OF CLEANER PRODUCTION, 60 SI, 65-70, 10.1016/j.jclepro.2011.09.021, DEC 1 2013.

354. Saha, Arun K.; Direct Numerical Simulation of Two-Dimensional Flow past a Normal Flat Plate, *JOURNAL OF ENGINEERING MECHANICS*, 139, 12, 1894-1901, 10.1061/(ASCE)EM.1943-7889.0000624, DEC 1 2013.
355. Kumar, P.; Eswaran, V.; A Methodology to Solve 2D and Axisymmetric Radiative Transfer Problems Using a General 3D Solver, *JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME*, 135, 12, 124501, 10.1115/1.4024674, DEC 2013
356. Gupta, Mamta; Rana, Poonam; Trivedi, Richa; Kumar, B. S. Hemanth; Khan, Ahmad Raza; Soni, Ravi; Rathore, R. K. S.; Khushu, Subash; Comparative evaluation of brain neurometabolites and DTI indices following whole body and cranial irradiation: a magnetic resonance imaging and spectroscopy study, *NMR IN BIOMEDICINE*, 26, 12, 1733-1741, 10.1002/nbm.3010, DEC 2013.
357. Mitra, Jaba; Jain, Shilpee; Sharma, Ashutosh; Basu, Bikramjit Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Patterned growth and differentiation of neural cells on polymer derived carbon substrates with micro/nano structures in vitro, *CARBON*, 65, 140-155 10.1016/j.carbon.2013.08.008, DEC 2013.
358. Shamsuzzaman; Khanam, Hena; Mashrai, Ashraf; Ahmad, Musheer; Mabkhot, Yahia Nasser; Frey, Wolfgang; Siddiqui, Nazish; Synthesis, growth, spectral, thermal and crystallographic studies of 5 alpha,6 alpha-epoxycholestane single crystals, *JOURNAL OF CRYSTAL GROWTH*, 384, 135-143 10.1016/j.jcrysgro.2013.08.037, DEC 1 2013.
359. Bajpai, Manish; Schorr, C.; Maisl, M.; Gupta, Phalguni; Munshi, Prabhat; High resolution 3D image reconstruction using the algebraic method for cone-beam geometry over circular and helical trajectories, *NDT & E INTERNATIONAL*, 60, 62-69, 10.1016/j.ndteint.2013.07.009, DEC 2013.
360. Shete, Manisha; Shaji, Makkattary; Akhtar, Mohammad Jaleel; Design of a Coplanar Sensor for RF Characterization of Thin Dielectric Samples, *IEEE SENSORS JOURNAL*, 13, 12, 4706-4715, 10.1109/JSEN.2013.2272120, DEC 2013.
361. Padhy, Bibhu Prasad; Srivastava, S. C.; Verma, Nishchal K.; A Coherency-Based Approach for Signal Selection for Wide Area Stabilizing Control in Power Systems, *IEEE SYSTEMS JOURNAL*, 7, 4, 807-816, 10.1109/JSYST.2013.2249241, DEC 2013.
362. Singh, Dhruv Kumar; Maheshwari, Gunjan ; Development and validation of spectrophotometric methods for carbapenems in pharmaceutical dosage forms, *MEDICINAL CHEMISTRY RESEARCH*, 22, 12, 5680-5684, 10.1007/s00044-013-0522-7, DEC 2013.
363. Shyam, Radhe; Sairamu, M.; Nirmalkar, N.; Chhabra, R. P. ;Free convection from a heated circular cylinder in confined power-law fluids, *INTERNATIONAL JOURNAL OF THERMAL SCIENCES*, 74, 156-173, 10.1016/j.ijthermalsci.2013.06.005, DEC 2013
364. Deo, Brahma; Overbosch, Aart; Snoeijer, Bert; Das, Debasis; Srinivas, Karumanchi; Control of Slag Formation, Foaming, Slopping, and Chaos in BOF *TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS*, 66, 5,6 SI, 543-554, 10.1007/s12666-013-0306-2, DEC 2013.

365. Mazumdar, Dipak, Tundish Metallurgy: Towards Increased Productivity and Clean Steel, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, 66, 5,6 SI, 597-610, 10.1007/s12666-013-0305-3, DEC 2013.
366. Ravindranath, Adda; Mishra, Santanu K.; Joshi, Avinash; Analysis and PWM Control of Switched Boost Inverter, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 60, 12, 5593-5602, 10.1109/TIE.2012.2230595, DEC 2013.
367. Ramani, Ramasubbu; Alam, Sarfaraz; A comparative study on the influence of alkyl thiols on the structural transformations in P3HT/PCBM and P3OT/PCBM blends, POLYMER, 54, 25, 6785-6792, 10.1016/j.polymer.2013.10.023, NOV 27 2013.
368. Mallick, Asadulla; Pal, A. P. John; Vankar, Yashwant D. Synthesis of L-3-epi-isofagomine, its homo-, n-butyl and bicyclic analogues from D-glucose as glycosidase inhibitors, TETRAHEDRON LETTERS, 54, 48, 6549-6552, 10.1016/j.tetlet.2013.09.102, NOV 27 2013.
369. Singh, Bahadur; Lin, Hsin; Prasad, R.; Bansil, A., Lin, Hsin/F-9568-2012 Lin, Hsin/0000-0002-4688-2315, Topological phase transition and two-dimensional topological insulators in Ge-based thin films, PHYSICAL REVIEW B, 88, 19, 195147, 10.1103/PhysRevB.88.195147, NOV 25 2013.
370. Gurao, N. P.; Adesola, A. O.; Odeshi, A. G.; Szpunar, J. A.; On the evolution of heterogeneous microstructure and microtexture in impacted aluminum-lithium alloy, JOURNAL OF ALLOYS AND COMPOUNDS, 578, 183-187, 10.1016/j.jallcom.2013.04.176, NOV 25 2013.
371. Kohli, Sharad; Prakash, Surya; Gupta, Phalguni; Hierarchical age estimation with dissimilarity-based classification, NEUROCOMPUTING, 120 SI, 164-176, 10.1016/j.neucom.2012.08.069, NOV 23 2013.
372. Kusurkar, Tejas S.; Tandon, Ishita; Sethy, Niroj Kumar; Bhargava, Kalpana; Sarkar, Sabyasachi; Singh, Sushil Kumar; Das, Mainak; Fluorescent silk cocoon creating fluorescent diatom using a "Water glass-fluorophore ferry", SCIENTIFIC REPORTS, 3, 3290, 10.1038/srep03290, NOV 21 2013.
373. Nayak, Monalisha; Singh, Deepak; Singh, Himanshu; Kant, Rishi; Gupta, Ankur; Pandey, Shashank Shekhar; Mandal, Swarnasri; Ramanathan, Gurunath; Bhattacharya, Shantanu, Ramanathan, Gurunath/B-4757-2011, Ramanathan, Gurunath/0000-0003-4627-1677, Integrated sorting, concentration and real time PCR based detection system for sensitive detection of microorganisms, SCIENTIFIC REPORTS, 3, 3266 10.1038/srep03266, NOV 20 2013.
374. Divakaran, Uma; Three-site interacting spin chain in a staggered field: Fidelity versus Loschmidt echo, PHYSICAL REVIEW E, 88, 5, 052122, 10.1103/PhysRevE.88.052122, NOV 18 2013.
375. Chandrasekhar, Vadapalli; Bag, Prasenjit; Kroener, Wolfgang; Gieb, Klaus; Mueller, Paul; Pentanuclear Heterometallic {Ni(2)Ln(3)} (Ln = Gd, Dy, Tb, Ho) Assemblies. Single-Molecule Magnet Behavior and Multistep Relaxation in the Dysprosium Derivative, INORGANIC CHEMISTRY, 52, 22, 13078-13086, 10.1021/ic4019025, NOV 18 2013.
376. Shukla, A. K.; Murty, S. V. S. Narayana; Kumar, R. Suresh; Mondal, K.; Spark plasma sintering of dispersion hardened Cu-Cr-Nb alloy powders, JOURNAL OF ALLOYS AND COMPOUNDS, 577, 70-78, 10.1016/j.jallcom.2013.04.088, NOV 15 2013.

377. Das, Chandan K.; Singh, Jayant K.; Singh, Jayant/A-1820-2011, Effect of confinement on the solid-liquid coexistence of Lennard-Jones Fluid, JOURNAL OF CHEMICAL PHYSICS, 139, 17, 174706, 10.1063/1.4827397, NOV 7 2013.
378. Dashora, Ajay; Lohani, Bharat; Turning mechanisms for airborne LiDAR and photographic data acquisition, JOURNAL OF APPLIED REMOTE SENSING, 7, 073488, 10.1117/1.JRS.7.073488, NOV 5 2013.
379. Dey, Tusharkanti; Khuntia, Panchanana; Mahajan, Avinash V.; Anupam; Hossain, Zakir Dey, Tusharkanti/B-8290-2012, As-75 NMR local probe study of magnetism in $(Eu_{1-x}K_x)Fe_2As_2$, EUROPEAN PHYSICAL JOURNAL B, 86, 11, 458, 10.1140/epjb/e2013-40483-6, NOV 4 2013
380. Tripathi, Anuj; Kumar, Ashok, Integrated Approach for beta-glucosidase Purification from Non-Clarified Crude Homogenate using Macroporous Cryogel Matrix, SEPARATION SCIENCE AND TECHNOLOGY, 48, 16 SI, 2410-2417, 10.1080/01496395.2013.807833, NOV 2 2013.
381. Mishra, Pankaj Kumar; Gupta, Anuj; Gaur, Suresh Chandra ; Unusual Double Dislocation of Both Joints in a Same Finger: A Case Report, IRANIAN RED CRESCENT MEDICAL JOURNAL, 15, 11, e9989 10.5812/ircmj.9989, NOV 2013.
382. Sahoo, Dipti Ranjan; Rai, Durgesh C.; SAHOO, DIPTI RANJAN/B-4839-2008, SAHOO, DIPTI RANJAN/0000-0002-8477-6759, Design and evaluation of seismic strengthening techniques for reinforced concrete frames with soft ground story, ENGINEERING STRUCTURES, 56, 1933-1944, 10.1016/j.engstruct.2013.08.018, NOV 2013.
383. Thakur, Vijay Kumar; Thakur, Manju Kumari; Gupta, Raju Kumar; Development of functionalized cellulosic biopolymers by graft copolymerization, INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 62, 44-51, 10.1016/j.ijbiomac.2013.08.026, NOV 2013.
384. Fan, Chang-Ling; Om, Hari; Zhang, Ke-He; Han, Shao-Chang; Influence of conductive electroactive polymer polyaniline on electrochemical performance of $LiMn_{1.95}Al_{0.05}O_4$ cathode for lithium ion batteries, BULLETIN OF MATERIALS SCIENCE, 36, 6, 1005-1011, 10.1007/s12034-013-0561-1, NOV 2013.
385. Ananth, S. M.; Kushari, A.; Venkatesan, C. ; Quasi-steady prediction of coupled bending-torsion flutter under rotating stall, JOURNAL OF FLUIDS AND STRUCTURES, 43, 402-427, 10.1016/j.jfluidstructs.2013.09.004, NOV 2013.
386. Kori, Prakash; Garg, Ravindra Kumar; Malhotra, Hardeep Singh; Gupta, Rakesh Kumar; Verma, Rajesh; Singh, Maneesh Kumar; Rathore, Ram Kishore Singh; Gupta, Pradeep Kumar; Evaluation of cerebral white-matter micro-structural alterations in patients with medically refractory epilepsy using diffusion tensor tractography, EPILEPSY RESEARCH, 107, 1-2, 82-90, 10.1016/j.eplepsyres.2013.08.015, NOV 2013.
387. Sharma, Geeta; Govil, Dinesh Chandra; Allopurinol induced erythroderma, INDIAN JOURNAL OF PHARMACOLOGY, 45, 6, 627-628, 10.4103/0253-7613.121381, NOV-DEC 2013.
388. Maity, Debasis; Jagtap, Rahul; Kaistha, Nitin; Systematic top-down economic plantwide control of the cumene process, JOURNAL OF PROCESS CONTROL, 23, 10, 1426-1440, 10.1016/j.jprocont.2013.09.005, NOV 2013.

389. Kumar, Sarvendra; The influence of axial substituents on Co-C bond of organocobaloximes: Synthesis, structure and characterization, *INORGANIC CHEMISTRY COMMUNICATIONS*, 37, 43-48, 10.1016/j.inoche.2013.09.037, NOV 2013.
390. Liu, Yemei; Sinha, Sujeet K.; Mechanical and tribological properties of PEEK particle-filled UHMWPE composites: The role of counterface morphology change in dry sliding wear, *JOURNAL OF REINFORCED PLASTICS AND COMPOSITES*, 32,21 ,1614-1623, 10.1177/0731684413497112,NOV 2013.
391. Prasad, B. S. R. V.; Banerjee, Malay; Srinivasu, P. D. N.; Dynamics of additional food provided predator-prey system with mutually interfering predators , *MATHEMATICAL BIOSCIENCES*, 246, 1, 176-190, 10.1016/j.mbs.2013.08.013, NOV 2013.
392. Jain, Nikhil; Vithani, Neha; Rafay, Abu; Prakash, Balaji; Identification and characterization of a hitherto unknown nucleotide-binding domain and an intricate interdomain regulation in HflX-a ribosome binding GTPase, *NUCLEIC ACIDS RESEARCH*, 41, 20, 9557-9569, 10.1093/nar/gkt705, NOV 2013.
393. Patel, D. N.; Pandey, Pramod K.; Thareja, Raj K.; Stoichiometry of laser ablated brass nanoparticles in water and air, *APPLIED OPTICS*, 52, 31, 7592-7601, 10.1364/AO.52.007592 , NOV 1 2013.
394. Gupta, Ragini; Bekele, Wasihun; Ghatak, Animangsu; Harvesting energy of interaction between bacteria and bacteriophage in a membrane-less fuel cell, *BIORESOURCE TECHNOLOGY*, 147, 654-657, 10.1016/j.biortech.2013.08.091, NOV 2013.
395. Chandrasekhar, Vadapalli; Mohapatra, Chandrajeet; 2D-Coordination Polymer Containing Interconnected 82-Membered Organotin Macrocycles, *CRYSTAL GROWTH & DESIGN*, 13, 11, 4655-4658, 10.1021/cg401363p, NOV 2013.
396. Bajpai, Alankriti; Venkatakrishnan, Parthasarathy; Mandal, Susovan; Samanta, Subhas; Venugopalan, Paloth; Moorthy, Jarugu Narasimha, Self-Assembly of Conformationally Rigid Dialcohols (Bis-Benzocyclobutenols): Supramolecular Cyclophanes and Arrays, *CRYSTAL GROWTH & DESIGN* 13, 11, 4714-4720, 10.1021/cg400791a, NOV 2013.
397. Bajpai, Alankriti; Venugopalan, Paloth; Moorthy, Jarugu Narasimha; Self-Assembly of Rigid Three-Connecting Mesitylenetribenzoic Acid: Multifarious Supramolecular Synthons and Solvent-Induced Supramolecular Isomerism, *CRYSTAL GROWTH & DESIGN*, 13, 11, 4721-4729, 10.1021/cg400805c, NOV 2013.
398. Chishti, S. Sabiq; Ghosh, Bahniman; Bishnoi, Bhupesh; Monte Carlo simulation of spin relaxation in core-shell nanowires of dilute magnetic semiconductors, *CURRENT APPLIED PHYSICS*, 13, 9, 1943-1947, 10.1016/j.cap.2013.08.002, NOV 2013.
399. Rao, G. Hari Mangeswara; Khan, Faiz Ahmed; An Unusual Fragmentation of Oxetane-Embedded Tetracyclic Ketal Systems, *JOURNAL OF ORGANIC CHEMISTRY*, 78, 21, 11092-11095, 10.1021/jo401870s, NOV 1 2013.
400. Agrawal, Sangeeta; Bhatnagar, Rishi Raj; Tiwari, Anjani; Srivastava, Rakesh; Sharma, Upasana; Synthesis, Analytical Analysis, and Medicinal Aspect of Novel Benzimidazoles and their Metal Complexes, *CHEMICAL BIOLOGY & DRUG DESIGN*, 82, 5, 630-634, 10.1111/cbdd.12201, NOV 2013.

401. Ganneboyina, Sambasiva Rao; Ghatak, Animangsu; Multi-helical micro-channels for rapid generation of drops of water in oil, *MICROFLUIDICS AND NANOFUIDICS*, 15, 5, 637-646, 10.1007/s10404-013-1178-9, NOV 2013
402. Lau, Kia Hian; Giridhar, Archit; Hari Krishnan, Sekar; Satyanarayana, Nalam; Sinha, Sujeet K.; Releasing high aspect ratio SU-8 microstructures using AZ photoresist as a sacrificial layer on metallized Si substrates, *MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS*, 19, 11 SI, 1863-1871, 10.1007/s00542-013-1740-0, NOV 2013
403. Gur, Sourav; Mishra, Sudib Kumar, Multi-objective stochastic-structural-optimization of shape-memory-alloy assisted pure-friction bearing for isolating building against random earthquakes; *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING*, 54, 1, 16, 10.1016/j.soildyn.2013.07.013, NOV 2013.
404. Maurya, Rakesh Kumar; Agarwal, Avinash Kumar; Experimental investigation of cyclic variations in HCCI combustion parameters for gasoline like fuels using statistical methods, *APPLIED ENERGY*, 111, 310-323, 10.1016/j.apenergy.2013.05.004, NOV 2013.
405. Bhowmik, Subhendu; Khanna, Shruti; Srivastava, Kumkum; Hasanain, Mohammad; Sarkar, Jayanta; Verma, Sandeep; Batra, Sanjay Batra, Sanjay/C-3040-2009; An Efficient Combinatorial Synthesis of Alcolchicine Analogues via a Triple Cascade Reaction and their Evaluation as Inhibitors of Insulin Aggregation, *CHEMMEDCHEM*, 8, 11, 1767-1772, 10.1002/cmdc.201300302, NOV 2013.
406. Salimath, Akshaykumar; Ghosh, Bahniman; Spin Transport in Bilayer Graphene Armchair Nanoribbon: A Monte Carlo Simulation Study, *IEEE TRANSACTIONS ON ELECTRON DEVICES*, 60, 11, 3734-3740, 10.1109/TED.2013.2283404, NOV 2013.
407. Deb, Kalyanmoy; Gupta, Shivam; Dutta, Joydeep; Ranjan, Bhoomija; Solving dual problems using a coevolutionary optimization algorithm, *JOURNAL OF GLOBAL OPTIMIZATION*, 57, 3SI, 891-933, 10.1007/s10898-012-9981-5, NOV 2013.
408. Saxena, Anupam; A Contact-Aided Compliant Displacement-Delimited Gripper Manipulator, *JOURNAL OF MECHANISMS AND ROBOTICS-TRANSACTIONS OF THE ASME*, 5, 4, 041005, 10.1115/1.4024728, NOV 2013.
409. Barman, Apurba Kr.; Chaturbedi, Amaresh; Subramaniam, K.; Verma, Sandeep; Imaging *C. elegans* with thiolated tryptophan-based NIR fluorescent gold nanoclusters, *JOURNAL OF NANOPARTICLE RESEARCH*, 15, 11, UNSP 2083, 10.1007/s11051-013-2083-6, NOV 1 2013.
410. Gupta, Manish Kumar; Singh, Dev Bukhsh; Shukla, Rohit; Misra, Krishna; A Comprehensive Metabolic Modeling of Thyroid Pathway in Relation to Thyroid Pathophysiology and Therapeutics, *OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY*, 17, 11, 584-593, 10.1089/omi.2013.0007, NOV 1 2013.
411. Kaskaoutis, D. G.; Sinha, P. R.; Vinoj, V.; Kosmopoulos, P. G.; Tripathi, S. N.; Misra, Amit; Sharma, M.; Singh, R. P.; Aerosol properties and radiative forcing over Kanpur during severe aerosol loading conditions, *ATMOSPHERIC ENVIRONMENT*, 79, 7, 19, 10.1016/j.atmosenv.2013.06.020, NOV 2013.

412. Meena, P. D.; Gour, R. B.; Gupta, J. C.; Singh, H. K.; Awasthi, R. P.; Netam, R. S.; Godika, S.; Sandhu, P. S.; Prasad, R.; Rathi, A. S.; Rai, D.; Thomas, L.; Patel, G. A.; Chattopadhyay, C.; Non-chemical agents provide tenable, eco-friendly alternatives for the management of the major diseases devastating Indian mustard (*Brassica juncea*) in India, *CROP PROTECTION*, 53, 169-174, 10.1016/j.cropro.2013.07.006, NOV 2013.
413. Behera, Sailesh N.; Sharma, Mukesh; Aneja, Viney P.; Balasubramanian, Rajasekhar, Balasubramanian, Rajasekhar/C-2243-2011, Ammonia in the atmosphere: a review on emission sources, atmospheric chemistry and deposition on terrestrial bodies, *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*, 20,11, 8092-8131, 10.1007/s11356-013-2051-9, NOV 2013.
414. Yadav, Rajeev; Sen, Pratik; Mechanistic investigation of domain specific unfolding of human serum albumin and the effect of sucrose, *PROTEIN SCIENCE*, 22, 11, 1571-1581, 10.1002/pro.2357, NOV 2013.
415. Gupta, Ajit N.; Singh, Vikram; Kumar, Vinod; Rajput, Amit; Singh, Laxman; Drew, Michael G. B.; Singh, Nanhai singh, laxman/C-9064-2013, singh, laxman/0000-0003-3297-6625 ; Syntheses, crystal structures and conducting properties of new homoleptic copper (II) dithiocarbamate complexes, *INORGANICA CHIMICA ACTA*, 408, 145-151, 10.1016/j.ica.2013.09.006, NOV 1 2013.
416. Kundu, Aritra; Subrahmanyam, V. ; Distribution of quantum correlations and conditional entropy in Heisenberg spin chains, *JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL*, 46, 43, 435304 10.1088/1751-8113/46/43/435304, NOV 1 2013.
417. Dutta, Sekhar Chandra; Mukhopadhyay, Parthasarathi; Goswami, Kundan; Augmenting Strength of Collapsed Unreinforced Masonry Junctions: Principal Damage Feature of Walls Damaged by Moderate Indian Earthquakes, *NATURAL HAZARDS REVIEW*, 14, 4, 281-285, 10.1061/(ASCE)NH.1527-6996.0000096, NOV 1 2013.
418. Mandal, S.; Alam, S.; Studies on crystallinity of PEEK/PEK/BT nanocomposites by using differential scanning calorimetry (DSC) technique and crystallinity effect on mechanical properties, *MATERIALS RESEARCH INNOVATIONS*, 17, 6, 366 -372, 10.1179/1433075X12Y.0000000033, NOV 2013.
419. Mandal, S.; Alam, S.; Studies on gamma radiation resistance polyethersulphone films reinforced by lead oxide, *MATERIALS RESEARCH INNOVATIONS*, 17, 6, 373-376, 10.1179/1433075X12Y.0000000056, NOV 2013.
420. Mitra, S.; Ganguly, A.; Samanta, D.; Kundu, D.; On the simple step-stress model for two-parameter exponential distribution , *STATISTICAL METHODOLOGY*, 15, 95-11, 10.1016/j.stamet.2013.04.003 NOV 2013.
421. Singh, R. K.; Mishra, Santanu; Synthetic-Ripple-Based Digital Hysteretic Modulator for Point-of-Load Converters, *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, 60, 11, 4996-5007, 10.1109/TIE.2012.2224073, NOV 2013.
422. Jain, Naveen; Singh, S. N.; Srivastava, S. C.; A Generalized Approach for DG Planning and Viability Analysis Under Market Scenario, *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS* 60, 11, 5075-5085, 10.1109/TIE.2012.2219840, NOV 2013.
423. Jose, Jolly ; Third-harmonic generation in resonant-metamaterial-based photonic-band-gap materials, *PHYSICAL REVIEW A*, 88, 4, 043849, 10.1103/PhysRevA.88.043849, OCT 31 2013.

424. Kumar, Pradeep; Pandey, Dwijendra N.; Bahuguna, Dharendra; EXISTENCE OF PIECEWISE CONTINUOUS MILD SOLUTIONS FOR IMPULSIVE FUNCTIONAL DIFFERENTIAL EQUATIONS WITH ITERATED DEVIATING ARGUMENTS ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS , 241, OCT 31 2013.
425. Bhandari, Susheel S.; Muralidhar, K.; Joshi, Yogesh M.; Thermal Diffusivity and Viscosity of Suspensions of Disk-Shaped Nanoparticles, INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 52, 43, 15114-15123, 10.1021/ie402508x, OCT 30 2013.
426. Chowdhury, Abhishek; Bhattacharjee, Sudeep Bhattacharjee, Sudeep/C-7085-2014 Bhattacharjee, Sudeep/0000-0002-5369-9818, Experimental investigation of change in sheet resistance and Debye temperatures in metallic thin films due to low-energy ion beam irradiation, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 46,43, 435304, 10.1088/0022-3727/46/43/435304, OCT 30 2013.
427. Gupta, Anurag; Singh, Gyanendra; Kumar, Dushyant; Kishan, Hari; Budhani, R. C.; Giant coercivity enhancement and dimensional crossover of superconductivity in Co₂FeSi-NbN nanoscale bilayers, APPLIED PHYSICS LETTERS, 103, 18, 182602, 10.1063/1.4827259, OCT 28 2013.
428. Thakurathi, Manisha; Patel, Aavishkar A.; Sen, Diptiman; Dutta, Amit; Floquet generation of Majorana end modes and topological invariants, PHYSICAL REVIEW B, 88, 15 , 155133, 10.1103/PhysRevB.88.155133, OCT 28 2013.
429. Dey, Dipanjan; Bhattacharya, Kaushik; Sarkar, Tapobrata; Astrophysics of Bertrand space-times, PHYSICAL REVIEW D, 88, 8, 083532 10.1103/PhysRevD.88.083532, OCT 28 2013.
430. Sahu, Nityananda; Singh, Gurmeet; Gadre, Shridhar R.; Exploring Structures and Energetics of Large OCS Clusters by Correlated Methods, JOURNAL OF PHYSICAL CHEMISTRY A, 117, 42, 10964-10972, 10.1021/jp408311c, OCT 24 2013 .
431. Reddy, Rachamalla Maheedhar; Srivastava, Akshay; Kumar, Ashok ; Monosaccharide-Responsive Phenylboronate-Polyol Cell Scaffolds for Cell Sheet and Tissue Engineering Applications, PLOS ONE, 8, 10, e77861, 10.1371/journal.pone.0077861, OCT 22 2013.
432. Chakrabarti, Dipankar; Mondal, Chandan, Generalized parton distributions for the proton in AdS/QCD, PHYSICAL REVIEW D, 88, 7, 073006, 10.1103/PhysRevD.88.073006, OCT 22 2013
431. Mandal, Tapendu; Garg, Ashish; Deepak; Thin film transistors fabricated by evaporating pentacene under electric field, JOURNAL OF APPLIED PHYSICS, 114, 15, 154517, 10.1063/1.4826212, OCT 21 2013.
433. Tripathi, Durgesh C.; Sinha, Dharendra K.; Mohapatra, Y. N.; Diffusivity and mobility of non-equilibrium carriers in organic semiconductors: Existence of critical field determining temperature dependence, JOURNAL OF APPLIED PHYSICS, 114, 15, 154508, 10.1063/1.4824747, OCT 21 2013.
434. Chandrasekhar, Vadapalli; Das, Sourav; Dey, Atanu; Hossain, Sakiat; Sutter, Jean-Pascal; Tetranuclear Lanthanide (III) Complexes Containing Dimeric Subunits: Single-Molecule Magnet Behavior for the Dy-4 Analogue , INORGANIC CHEMISTRY, 52, 20, 11956-11965, 10.1021/ic401652f, OCT 21 2013.

435. Das, Vishal; Pandey, A. K. ; Melt Elastic Properties during Capillary Extrusion of PP Impact Copolymer/Styrene-Butadiene-Styrene Block Copolymer Blends , POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, 52, 13 , 1381-1389, 10.1080/03602559.2013.820749, OCT 21 2013.
436. Khan, Patan Yousaf; Bhattacharya, Victoria; Biswas, Krishanu; Chattopadhyay, Kamanio; Melting and solidification behavior of Pb-Sn embedded alloy nano-particles, JOURNAL OF NANOPARTICLE RESEARCH, 15, 11, UNSP 2049, 10.1007/s11051-013-2049-8, OCT 20 2013.
437. Dethé, Dattatraya H.; Erande, Rohan D.; Ranjan, Alok; Biomimetic Total Syntheses of Borreverine and Flinderole Alkaloids, JOURNAL OF ORGANIC CHEMISTRY, 78, 20, 10106-10120 , 10.1021/jo4013833, OCT 18 2013.
438. Yugandar, Somaraju; Misra, Nimesh C.; Parameshwarappa, Gangajji; Panda, Kausik; Ila, Hiriyakkanavar ; Reaction of Cyclic alpha-Oxoketene Dithioacetals with Methylene Isocyanides: A Novel Pyrrole Annulation - Ring-Expansion Domino Process, ORGANIC LETTERS , 15, 20, 5250-5253, 10.1021/ol402469v, OCT 18 2013
439. Biswas, Tutul; Ghosh, Tarun Kanti; Phonon-drag magnetothermopower in Rashba spin-split two-dimensional electron systems, JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 41, 415301, 10.1088/0953-8984/25/41/415301, OCT 16 2013.
440. Thakur, Vijay Kumar; Thakur, Manju Kumari; Gupta, Raju Kumar; Rapid synthesis of graft copolymers from natural cellulose fibers , CARBOHYDRATE POLYMERS, 98, 1, 820-828 10.1016/j.carbpol.2013.06.072, OCT 15 2013.
441. Roy, Koushik; Ray-Chaudhuri, Samit; Fundamental mode shape and its derivatives in structural damage localization, JOURNAL OF SOUND AND VIBRATION, 332, 21, 5584-5593, 10.1016/j.jsv.2013.05.003, OCT 14 2013.
442. Gopakumar, Thiruvancheril G.; Davran-Candan, Tugba; Bahrenburg, Julia; Maurer, Reinhard J.; Temps, Friedrich; Reuter, Karsten; Berndt, Richard, Reuter, Karsten/D-9442-2011, Reuter, Karsten/0000-0001-8473-8659, Broken Symmetry of an Adsorbed Molecular Switch Determined by Scanning Tunneling Spectroscopy , ANGEWANDTE CHEMIE-INTERNATIONAL EDITION, 52, 42, 11007-11010, 10.1002/anie.201305027, OCT 11 2013.
443. Chowdhury, Debashish; Centenary of 'Researches on Irritability of Plants' by Jagadis Chandra Bose, CURRENT SCIENCE, 105, 7, 1002-1004, OCT 10 2013.
444. Singh, Dheeraj Kumar; Singh, Avinash; Magnon self-energy in the correlated ferromagnetic Kondo lattice model: Spin-charge coupling effects on magnon excitations in manganites, PHYSICAL REVIEW B, 88, 14, 144410, 10.1103/PhysRevB.88.144410, OCT 10 2013.
445. Upadhyay, Arun Prakash; Behara, Dilip Kumar; Sharma, Gyan Prakash; Bajpai, Anshumaan; Sharac, Nicholas; Ragan, Regina; Pala, Raj Ganesh S.; Sivakumar, Sri; Generic Process for Highly Stable Metallic Nanoparticle-Semiconductor Heterostructures via Click Chemistry for Electro/Photocatalytic Applications, ACS APPLIED MATERIALS & INTERFACES, 5, 19, 9554-9562, 10.1021/am402398h, OCT 9 2013.
446. Kumar, Alok; Biswas, Krishanu; Basu, Bikramjit; Fretting wear behaviour of hydroxyapatite-titanium composites in simulated body fluid, supplemented with 5 g l(-1) bovine serum albumin, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 46, 40, 404004, 10.1088/0022-3727/46/40/404004, OCT 9 2013.

447. Maji, Ram Chandra; Barman, Suman Kumar; Roy, Suprakash; Chatterjee, Sudip K.; Bowles, Faye L.; Olmstead, Marilyn M.; Patra, Apurba K.; Copper Complexes Relevant to the Catalytic Cycle of Copper Nitrite Reductase: Electrochemical Detection of NO(g) Evolution and Flipping of NO₂ Binding Mode upon Cu-II -> Cu-I Reduction, *INORGANIC CHEMISTRY*, 52, 19, 11084-11095, 10.1021/ic401295t, OCT 7 2013.
448. Amo-Ochoa, Pilar; Castillo, Oscar; Gomez-Garcia, Carlos J.; Hassanein, Khaled; Verma, Sandeep; Kumar, Jitendra; Zamora, Felix Gomez Garcia, Carlos Jose/A-5626-2009; Zamora, Felix/E-6265-2014, Gomez Garcia, Carlos Jose/0000-0002-0015-577X; Semiconductive and Magnetic One-Dimensional Coordination Polymers of Cu(II) with Modified Nucleobases, *INORGANIC CHEMISTRY*, 52, 19, 11428-11437, 10.1021/ic401758w, OCT 7 2013.
449. Bhowmik, Susovan; Dey, Soumyajit; Sahoo, Dipankar; Rath, Sankar Prasad; Unusual Stabilization of an Intermediate Spin State of Iron upon the Axial Phenoxide Coordination of a Diiron(III)-Bisporphyrin: Effect of Heme-Heme Interactions, *CHEMISTRY-A EUROPEAN JOURNAL*, 19, 41, 13732-13744, 10.1002/chem.201301242, OCT 4 2013.
450. Thakur, Vijay Kumar; Thakur, Manju Kumari; Gupta, Raju Kumar; Graft Copolymers from Natural Polymers Using Free Radical Polymerization, *INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION*, 18, 7, 495-503, 10.1080/1023666X.2013.814241, OCT 3 2013.
451. Yadav, Sanjeev Kumar Singh; Yadava, Vinod; Experimental Investigations to Study Electrical Discharge Diamond Cutoff Grinding (EDDCG) Machinability of Cemented Carbide, *MATERIALS AND MANUFACTURING PROCESSES*, 28, 10, 1077-1081, 10.1080/10426914.2013.792414, OCT 3 2013.
452. Chandravanshi, Shalini; Upadhyay, Santosh K.; Interaction of Quercus Infectoria Natural Dye with Cationic and Anionic Surfactants: Adsorption/Micellization of Dye, *JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY*, 34, 10, 1308-1315, 10.1080/01932691.2012.743864, OCT 3 2013.
453. Tripathi, Ravi; Nair, Nisanth N.; Nair, Nisanth/E-2654-2014, Mechanism of Acyl-Enzyme Complex Formation from the Henry-Michaelis Complex of Class C beta-Lactamases with beta-Lactam Antibiotics, *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*, 135, 39, 14679-14690, 10.1021/ja405319n, OCT 2 2013.
454. Sinha, Rajiv; Yadav, G. S.; Gupta, Sanjeev; Singh, Ajit; Lahiri, S. K.; Geo-electric resistivity evidence for subsurface palaeochannel systems adjacent to Harappan sites in northwest India *QUATERNARY INTERNATIONAL*, 308, 66-75, 10.1016/j.quaint.2012.08.002, OCT 2 2013,
455. Paul, Debajyoti; Mauldin, Raymond; Implications for Late Holocene climate from stable carbon and oxygen isotopic variability in soil and land snail shells from archaeological site 41KM69 in Texas, USA *QUATERNARY INTERNATIONAL*, 308, 242-252, 10.1016/j.quaint.2012.08.006, OCT 2 2013.
456. Liu, Hai-Ying; Bartonova, Alena; Schindler, Martin; Sharma, Mukesh; Behera, Sailesh N.; Katiyar, Kamlesh; Dikshit, Onkar, Respiratory Disease in Relation to Outdoor Air Pollution in Kanpur, India, *ARCHIVES OF ENVIRONMENTAL & OCCUPATIONAL HEALTH*, 68, 4, 204-217, 10.1080/19338244.2012.701246, OCT 2 2013.

457. Kushwaha, Swatantra Kumar Singh; Ghoshal, Saurav; Rai, Awani Kumar; Singh, Satyawan Carbon nanotubes as a novel drug delivery system for anticancer therapy: a review, BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, 49, 4, 629-643, OCT-DEC 2013.
458. Kumar, Avinash; Gupta, Ankur; Kant, Rishi; Akhtar, Syed Nadeem; Tiwari, Nachiketa; Ramkumar, Janakrajan; Bhattacharya, Shantanu; Optimization of laser machining process for the preparation of photomasks, and its application to microsystems fabrication, JOURNAL OF MICRO-NANOLITHOGRAPHY MEMS AND MOEMS, 12, 4, 041203 10.1117/1.JMM.12.4.041203, OCT-DEC 2013.
459. Kumar, Amrender; Agrawal, Ranjana; Chattopadhyay, C.; Weather based forecast models for diseases in mustard crop , MAUSAM, 64, 4, 663-670, OCT 2013
460. Krishna, K. Vijaya; Menard-Moyon, Cecilia; Verma, Sandeep; Bianco, Alberto, Graphene-based nanomaterials for nanobiotechnology and biomedical applications, NANOMEDICINE, 8, 10, 1669-1688, 10.2217/NNM.13.140, OCT 2013
461. Mordina, Bablu; Tiwari, R. K.; A comparative study of mechanical and tribological properties of poly(ether ether ketone) composites filled by micro- and nano-Ni and ZrO₂ fillers, JOURNAL OF COMPOSITE MATERIALS, 47, 22, 2835-2845 , 10.1177/0021998312459778, OCT 2013.
462. Tiwari, Prabhakar; Jain, Pankaj, POLARIZATION ALIGNMENT IN JVAS/CLASS FLAT SPECTRUM RADIO SURVEYS INTERNATIONAL JOURNAL OF MODERN PHYSICS D, 22,12SI, 1350089, 10.1142/S0218271813500892, OCT 2013.
463. Purushottam, Praseon Verma; Praharaj, C. S.; Kanaujia, V. K.; WHOLESAL PRICE VARIABILITY OF RAW AND PROCESSED PULSES - A CASE STUDY LEGUME RESEARCH 36,5, 429-435, OCT 2013.
464. Sinha, R.; Gaurav, K.; Chandra, S.; Tandon, S. K.; Exploring the channel connectivity structure of the August 2008 avulsion belt of the Kosi River, India: Application to flood risk assessment, GEOLOGY, 41,10, 1099-1102, 10.1130/G34539.1, OCT 2013.
465. Mishra, Sudib Kumar; Roy, Bijan Kumar; Chakraborty, Subrata; Reliability-based-design-optimization of base isolated buildings considering stochastic system parameters subjected to random earthquakes, INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, 75, 123-133, 10.1016/j.ijmecsci.2013.06.012, OCT 2013.
466. Bogdan, Paul; Marculescu, Radu; Jain, Siddharth; Dynamic Power Management for Multidomain System-on-Chip Platforms: An Optimal Control Approach, ACM TRANSACTIONS ON DESIGN AUTOMATION OF ELECTRONIC SYSTEMS, 18, 4, 46, 10.1145/2504904, OCT 2013.
467. Thakur, Vijay Kumar; Thakur, Manju Kumari; Gupta, Raju Kumar; Synthesis of lignocellulosic polymer with improved chemical resistance through free radical polymerization, INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, 61, 121-126, 10.1016/j.ijbiomac.2013.06.045, OCT 2013.
468. Shukla, A. K.; Nayan, Niraj; Murty, S. V. S. N.; Mondal, K.; Sharma, S. C.; George, Koshy M.; Bakshi, Srinivasa Rao; Processing copper-carbon nanotube composite powders by high energy milling, MATERIALS CHARACTERIZATION, 84, 58-66, 10.1016/j.matchar.2013.07.011, OCT 2013.

469. Gupta, Shyam L.; Singh, Ravi Pratap; Thareja, Raj K.; Time resolved optical diagnostics of ZnO plasma plumes in air, *PHYSICS OF PLASMAS*, 20, 10, 103508, 10.1063/1.4826593, OCT 2013
470. Patel, D. N.; Pandey, Pramod K.; Thareja, Raj K.; Brass plasmoid in external magnetic field at different air pressures, *PHYSICS OF PLASMAS*, 20, 10, 103503, 10.1063/1.4825145, OCT 2013.
471. Chandrasekhar, Vadapalli; Mohapatra, Chandrajeet; Metre, Ramesh K.; Reactions of (E)-5-(Pyridin-4-yl-methyleneamino)isophthalic Acid (LH2) with Triorganotin Oxides and Chloride. Formation of One-Dimensional- and Two-Dimensional-Coordination Polymers, *CRYSTAL GROWTH & DESIGN*, 13, 10, 4607-4614, 10.1021/cg401201w, OCT 2013.
472. Yadav, Sunil Kumar; Singh, Dhruv Kumar; Sinha, Shishir; Adsorption study of lead(II) onto xanthated date palm trunk: kinetics, isotherm and mechanism, *DESALINATION AND WATER TREATMENT*, 51, 34-36, 6798-6807, 10.1080/19443994.2013.792142, OCT 1 2013.
473. Athe, Paridhi; Shakya, Snehlata; Munshi, Prabhat; Luke, A.; Mewes, D.; Characterization of multiphase flow in bubble columns using KT-1 signature and fractal dimension, *FLOW MEASUREMENT AND INSTRUMENTATION*, 33, 122-137, 10.1016/j.flowmeasinst.2013.05.005, OCT 2013.
474. Mishra, Narendra Kumar; Joshi, Khashti Ballabh; Verma, Sandeep; Inhibition of Human and Bovine Insulin Fibril Formation by Designed Peptide Conjugates, *MOLECULAR PHARMACEUTICS*, 10, 10, 3903-3912, 10.1021/mp400364w, OCT 2013.
475. Srivastava, Monika; Tripathi, S. N.; Dwivedi, A. K.; Dalai, Rosalin; Bhattu, Deepika; Bharti, P. K.; Jaidevi, J.; Gupta, Tarun, CCN closure results from Indian Continental Tropical Convergence Zone (CTCZ) aircraft experiment, *ATMOSPHERIC RESEARCH*, 132, 322-331, 10.1016/j.atmosres.2013.05.025, OCT-NOV 2013
476. Verma, S. K.; Singh, D. K.; Pandey, D. K.; Yadav, R. R.; Study of Nanostructured Silver Sulfide and Its Nanofluid, *NATIONAL ACADEMY SCIENCE LETTERS-INDIA*, 36, 5, 535-540, 10.1007/s40009-013-0157-8, OCT 2013.
477. Bajpai, Manish; Gupta, Phalguni; Munshi, Prabhat; Titarenko, V.; Withers, P. J.; A GRAPHICAL PROCESSING UNIT-BASED PARALLEL IMPLEMENTATION OF MULTIPLICATIVE ALGEBRAIC RECONSTRUCTION TECHNIQUE ALGORITHM FOR LIMITED VIEW TOMOGRAPHY RESEARCH IN NONDESTRUCTIVE EVALUATION, 24, 4, 211-222, 10.1080/09349847.2013.795635, OCT 1 2013.
478. Das, Sambit; Chatterjee, Anindya, Numerical Stability Analysis of Linear Incommensurate Fractional Order Systems, *JOURNAL OF COMPUTATIONAL AND NONLINEAR DYNAMICS*, 8, 4, 041012, 10.1115/1.4023966, OCT 2013.
479. Mohapatra, P. K.; Sharma, K.; Discussion of "Separation Zone in Flow past a Spur Dyke on Rigid Bed Meandering Channel" by Kedar Sharma and Pranab K. Mohapatra, *JOURNAL OF HYDRAULIC ENGINEERING*, 139, 10, 1114, 10.1061/(ASCE)HY.1943-7900.0000778, OCT 1 2013.
480. Kumar, Ashok; Thota, Subhash; Sivakumar, Sri; Priya, Shashank; Kumar, Jitendra; Sol-gel synthesis and optical behavior of Mg-Ce-O nano-crystallites, *JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY*, 68, 1, 46-53, 10.1007/s10971-013-3132-4, OCT 2013.

481. Singh, Ravi Pratap; Gupta, Shyam L.; Thareja, R. K.; Spectroscopic investigation of colliding plasma plumes, SPECTROCHIMICA ACTA PART B-ATOMIC SPECTROSCOPY, 88, 54-62, 10.1016/j.sab.2013.08.006, OCT 1 2013.
482. Hood, Amit R.; Saurakhiya, Neelam; Deva, Dinesh; Sharma, Ashutosh; Verma, Nishith, Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Development of bimetal-grown multi-scale carbon micro-nanofibers as an immobilizing matrix for enzymes in biosensor applications, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, 33, 7, 4313-4322, 10.1016/j.msec.2013.06.030, OCT 1 2013.
483. Haque, Asrarul; Joglekar, Satish D. ; Causality in 1+1-dimensional Yukawa model-II, PRAMANA-JOURNAL OF PHYSICS, 81, 4, 569-578, 10.1007/s12043-013-0602-8, OCT 2013.
484. Verma, Mahendra K.; Chatterjee, Anando; Reddy, K. Sandeep; Yadav, Rakesh K.; Paul, Supriyo; Chandra, Mani; Samtaney, Ravi verma, mahendra/G-4041-2013 verma, mahendra/0000-0002-3380-4561, Benchmarking and scaling studies of pseudospectral code Tarang for turbulence simulations, PRAMANA-JOURNAL OF PHYSICS, 81, 4, 617-629, 10.1007/s12043-013-0594-4, OCT 2013.
485. Jamalizadeh, Ahad; Kundu, Debasis ; Weighted Marshall-Olkin bivariate exponential distribution, STATISTICS, 47, 5, 917-928, 10.1080/02331888.2012.670640, OCT 1 2013.
486. Khandelwal, Sourabh; Yadav, Chandan; Agnihotri, Shantanu; Chauhan, Yogesh Singh; Curutchet, Arnaud; Zimmer, Thomas; De Jaeger, Jean-Claude; Defrance, Nicolas; Fjeldly, Tor A. ; Robust Surface-Potential-Based Compact Model for GaN HEMT IC Design, IEEE TRANSACTIONS ON ELECTRON DEVICES, 60, 10SI, 3216-3222, 10.1109/TED.2013.2265320, OCT 2013
486. Bandaru, Sunith; Deb, Kalyanmoy; Higher and lower-level knowledge discovery from Pareto-optimal sets, JOURNAL OF GLOBAL OPTIMIZATION, 57, 2SI, 281-298, 10.1007/s10898-012-0026-x OCT 2013.
487. Sengupta, Raghu Nandan; Sahoo, Siddharth Sengupta, Raghu/A-2773-2012 Reliability-based portfolio optimization with conditional value at risk (CVaR) QUANTITATIVE FINANCE, 13, 10 SI, 1637-1651, 10.1080/14697688.2012.754547, OCT 1 2013.
488. Das, Taraknath; Sengupta, Siddhartha; Deo, Goutam; Effect of calcination temperature during the synthesis of Co/Al₂O₃ catalyst used for the hydrogenation of CO₂, REACTION KINETICS MECHANISMS AND CATALYSIS, 110, 1, 147-162, 10.1007/s11144-013-0592-z, OCT 2013.
489. Chavan, Sameer; Sholapurkar, V. M.; Rigidity Theorems for Spherical Hyperexpansions, COMPLEX ANALYSIS AND OPERATOR THEORY, 7, 5, 1545-1568, 10.1007/s11785-012-0270-6, OCT 2013.
490. Tiwari, Manoj K.; Guha, Saumyen ; Simultaneous analysis of endosulfan, chlorpyrifos, and their metabolites in natural soil and water samples using gas chromatography-tandem mass spectrometry, ENVIRONMENTAL MONITORING AND ASSESSMENT, 185, 10, 8451-8463, 10.1007/s10661-013-3186-3 , OCT 2013.
491. Nathwani, Karan; Pandit, Pranav; Hegde, Rajesh M.; Group Delay Based Methods for Speaker Segregation and its Application in Multimedia Information Retrieval, IEEE TRANSACTIONS ON MULTIMEDIA, 15, 6, 1326-1339, 10.1109/TMM.2013.2247391, OCT 2013.

492. Rao, Manoj; Lefevre, Frederic; Khandekar, Sameer; Bonjour, Jocelyn; Understanding transport mechanism of a self-sustained thermally driven oscillating two-phase system in a capillary tube, *INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER*, 65, 451- 459, 10.1016/j.ijheatmasstransfer.2013.05.067, OCT 2013.
493. Chakrabarti, Sekhar K.; A study on the evaluation of performance of the PSC inner containment dome with large openings during prestress transfer, *NUCLEAR ENGINEERING AND DESIGN*, 263, 10-17, 10.1016/j.nucengdes.2013.04.010, OCT 2013.
494. Bernardo, Pauline; Golden, Michael; Akram, Mohammad; Naimuddin; Nadarajan, Nagaswamy; Fernandez, Emmanuel; Granier, Martine; Rebelo, Anthony G.; Peterschmitt, Michel; Martin, Darren P.; Roumagnac, Philippe Identification and characterisation of a highly divergent geminivirus: Evolutionary and taxonomic implications, *VIRUS RESEARCH*, 177, 1, 35-45, 10.1016/j.virusres.2013.07.006 , OCT 2013.
495. Parhi, Anukul Prasad; Iyer, S. Sundar Kumar, Static electric field enhanced recrystallization of copper phthalocyanine thin film during annealing, *JOURNAL OF CRYSTAL GROWTH*, 380, 123-129, 10.1016/j.jcrysgro.2013.05.040, OCT 1 2013.
496. Mridha, Sanghita; Samal, Sumanta; Khan, P. Yousaf; Biswas, Krishanu; Govind, Processing and Consolidation of Nanocrystalline Cu-Zn-Ti-Fe-Cr High-Entropy Alloys via Mechanical Alloying, *METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE*, 44A, 10, 4532-4541, 10.1007/s11661-013-1824-6, OCT 2013.
497. Kumar, Alok; Webster, Thomas J.; Biswas, Krishanu; Basu, Bikramjit, Flow cytometry analysis of human fetal osteoblast fate processes on spark plasma sintered hydroxyapatite-titanium biocomposites, *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A*, 101, 10, 2925-2938, 10.1002/jbm.a.34603, OCT 2013.
498. Sadhukhan, Nabanita; Sarkar, Mithun; Ghatak, Tapas; Rahaman, S. M. Wahidur; Barbour, Leonard J.; Bera, Jitendra K., Reactions of Acids with Naphthyridine-Functionalized Ferrocenes: Protonation and Metal Extrusion, *INORGANIC CHEMISTRY*, 52 3, 1432-1442, FEB 4 2013 2013 000000020-1669, WOS:000314627700033.
499. Bhandari, Susheel S.; Muralidhar, K.; Joshi, Yogesh M. Joshi, Yogesh/A-4846-2011 , Enhanced thermal transport through a soft glassy nanodisk paste, *PHYSICAL REVIEW E*, 87, 022301, 10.1103/PhysRevE.87.022301, FEB 4 2013, 100011539-3755, WOS:000314767100003.
500. Sambhav, Kumar; Tandon, Puneet; Kapoor, Shiv G.; Dhande, Sanjay G., Mathematical Modeling of Cutting Forces in Microdrilling, *JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME*, 135, 1, 014501 10.1115/1.4007955, FEB 2013 , 000001087-1357; 1528-8935, WOS:000326180400019.
501. Reddy, M. Srinivas; Kedia, Sunita; Vijaya, Ramarao; Ray, Alok Kumar; Sinha, Sucharita; Rukhlenko, Ivan D.; Premaratne, Malin Ray, Alok/A-7791-2011, Analysis of Lasing in Dye-Doped Photonic Crystals, *IEEE PHOTONICS JOURNAL*, 5 1, 4700409, 10.1109/JPHOT.2013.2241754, FEB 2013 2013, 300031943-0655, WOS:000318187300014

502. Gupta, G.; Moon, A. P.; Mondal, K., Electrochemical passivation behaviour of nanocrystalline Fe₈₀Si₂₀ coating in borate buffer solution, BULLETIN OF MATERIALS SCIENCE, 36, 1, 51-58, 10.1007/s12034-013-0437-4, FEB 2013 2013, 000000250-4707 , WOS:000317302000008.
503. Yadav, Saroj; Lal, Chhagan, Optimization of performance characteristics of a mixed dye based photogalvanic cell for efficient solar energy conversion and storage, ENERGY CONVERSION AND MANAGEMENT, 66, 271-276, 10.1016/j.enconman.2012.09.011, FEB 2013 2013 200020196-8904, WOS:000316831000027.
504. Khandelwal, Sourabh; Sharma, Surya; Chauhan, Yogesh Singh; Gneiting, Thomas; Fjeldly, Tor A. Modeling and Simulation Methodology for SOA-Aware Circuit Design in DC and Pulsed-Mode Operation of HV MOSFETs, IEEE TRANSACTIONS ON ELECTRON DEVICES, 60 2SI, 714-718, 10.1109/TED.2012.2218112, FEB 2013, 000000018-9383, WOS:000316817900025.
505. Pandey, Pramod K.; Thareja, Raj K.; Rotating copper plasmoid in external magnetic field, PHYSICS OF PLASMAS, 20, 2, 022117, 10.1063/1.4793729, FEB 2013, 100011070-664X, WOS:000317289800021.
506. Srivastava, Rupesh; Deb, Kalyanmoy, An evolutionary based Bayesian design optimization approach under incomplete information, ENGINEERING OPTIMIZATION, 45 2, 141-165, 10.1080/0305215X.2012.661730, FEB 1 2013 2013, 000000305-215X, , WOS: 000316056400002.
507. Rao, Maddali L. N.; Jadhav, Deepak N.; Dasgupta, Priyabrata; Pd-Catalyzed Tandem Chemoselective Synthesis of 2-Arylbenzofurans using Threefold Arylating Triarylbi-muth Reagents, EUROPEAN JOURNAL OF ORGANIC CHEMISTRY , 4, 781-788, 10.1002/ejoc.201201314, FEB 2013, 20002, 1434-193X WOS:000316193000020.
508. Bhattacharjee, S.; Resonances in the heavy symmetrical top with vibrating pivot, EUROPEAN PHYSICAL JOURNAL PLUS, 128, 2 17, 10.1140/epjp/i2013-13017-1, FEB 2013, 100012190-5444, WOS: 000316122600006.
509. Toutam, Vijaykumar; Pandey, Himanshu; Singh, Sandeep; Budhani, R. C. Pandey, Himanshu/A-5862-2012 Pandey, Himanshu/0000-0002-7380-366X, Formation of double ring patterns on Co₂MnSi Heusler alloy thin film by anodic oxidation under scanning probe microscope, AIP ADVANCES 3, 2, 022124, 10.1063/1.4794160, FEB 2013, 2013, 200022158-3226, WOS:000315596600024.
510. Chauhan, Rashmi; Tripathi, Arvind; Srivastava, Amit Kumar; Srivastava, Krishna Kant, EFFECT OF SWIFT HEAVY ION IRRADIATION ON OPTICAL AND STRUCTURAL PROPERTIES OF AMORPHOUS Ge-As-Se THIN FILMS CHALCOGENIDE LETTERS, 10, 2, 63-71, FEB 2013 2013, 000001584-8663, WOS:000316047000003.

511.Misra, Aditya P.; Misra, Ritu; Kumar, Abhay; Giant Cavernous Haemangioma of the Wandering Spleen *INDIAN JOURNAL OF SURGERY*, 75, 1, 54 -55, 10.1007/s12262-012-0546-0, FEB 2013 2013, 000000972-2068, WOS:000315620400014.

512.Patel, Sandeep K. S.; Kurian, Sajith; Gajbhiye, Namdeo S. Room-temperature ferromagnetism of Fe-doped TiO₂ nanoparticles driven by oxygen vacancy, *MATERIALS RESEARCH BULLETIN* 48, 2, 655-660, 10.1016/j.materresbull.2012.11.031, FEB 2013 2013, 100010025-5408, WOS:000315751300077.

513.Shukla, Ashwini; Singla, Ekta; Wahi, Pankaj; Dasgupta, Bhaskar, A direct variational method for planning monotonically optimal paths for redundant manipulators in constrained workspaces, *ROBOTICS AND AUTONOMOUS SYSTEMS* , 61, 2, 209-220, 10.1016/j.robot.2012.08.012, FEB 2013, 100010921-8890, WOS:000315754700013.

514.Singh, Satyendra; Singh, Archana; Yadav, B. C.; Dwivedi, Prabhat K.; Fabrication of nanobeads structured perovskite type neodymium iron oxide film: Its structural, optical, electrical and LPG sensing investigations, *SENSORS AND ACTUATORS B-CHEMICAL*, 177, 730-739, 10.1016/j.snb.2012.11.096, FEB 2013 , 310040925-4005, WOS:000315751000097.

515.Mitra, Brishti; Kunzru, Deepak, Enhancing p-xylene productivity for disproportionation of toluene in microstructured reactors, *CHEMICAL ENGINEERING AND PROCESSING*, 64, 48-56, 10.1016/j.cep.2012.10.016, FEB 2013 2013, 000000255-2701, WOS:000315324000007.

516.Sharma, N.; Kumar, S.; High field conduction in thin films of Se_{100-x}Pb_x glassy alloys, *INDIAN JOURNAL OF PURE & APPLIED PHYSICS*, 51, 2, 125-130, FEB 2013 2013 , 000000019-5596, WOS:000315423100009.

517.Shukla, J. B.; Sundar, Shyam; Shivangi; Naresh, Ram; MODELING AND ANALYSIS OF THE ACID RAIN FORMATION DUE TO PRECIPITATION AND ITS EFFECT ON PLANT SPECIES NATURAL RESOURCE MODELING 26, 1, 53-65, 10.1111/j.1939-7445.2012.00119.x FEB 2013 2013, 101010890-8575, WOS:000314775900003.

518.Venkatesh, M. S.; Hazra, K. K.; Ghosh, P. K.; Praharaj, C. S.; Kumar, Narendra; Long-term effect of pulses and nutrient management on soil carbon sequestration in Indo-Gangetic plains of India, *CANADIAN JOURNAL OF SOIL SCIENCE*, 93, 1 , 127-136, 10.4141/CJSS2012-072, FEB 2013 2013, 000000008-4271, WOS:000315010900013.

519.Nagapradeep, N.; Sharma, Suneeta; Verma, Sandeep; Ion Channel-like Crystallographic Signatures in Modified Guanine-Potassium/Sodium Interactions, *CRYSTAL GROWTH & DESIGN* , 13, 2 455-459, 10.1021/cg3016518, FEB 2013, 300031528-7483 , WOS:000314795300009.

520. Vishnoi, Tanushree; Kumar, Ashok; Conducting cryogel scaffold as a potential biomaterial for cell stimulation and proliferation, JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE ,24, 2, 447-459, 10.1007/s10856-012-4795-z, FEB 2013, 2013 201020957-453, WOS:000314775100016.

521. Srivastava, Vivek; Tripathi, B. K.; Pathak, V. K.; A HYBRID INTELLIGENT MODEL BASED ON EVOLUTIONARY FUZZY CLUSTERING AND SYNDICATE NEURAL NETWORKS APPLIED ARTIFICIAL INTELLIGENCE, 27, 2, 104-125, 10.1080/08839514.2013.760405, FEB 1 2013, 000000883-9514 WOS:000314632700003.

522. Karmakar, Anwesa; Choudhuri, Jyoti Roy; Yadav, Vivek K.; Mallik, Bhabani S.; Chandra, Amalendu, A first principles simulation study of vibrational spectral diffusion in aqueous NaBr solutions: Dynamics of water in ion hydration shells, CHEMICAL PHYSICS, 412, 13-21, 10.1016/j.chemphys.2012.11.007 FEB 1 2013, 2013, 000000301-0104, WOS:000314664600003.

523. Bankar, U. H.; Parameswaran, V.; Parameswaran, Venkitanarayanan/C-9258-2014, Fracture of Edge Cracked Layered Plates Subjected to In-plane Bending, EXPERIMENTAL MECHANICS, 53, 2, 287-298, 10.1007/s11340-012-9649-6, FEB 2013, 000000014-4851, WOS:000314294000014.

524. Dayal, Govind; Ramakrishna, S. Anantha, Ramakrishna, S. Anantha/K-2439-2013, Metamaterial saturable absorber mirror, OPTICS LETTERS, 38, 3, 272-274, FEB 1 2013, 301030146-9592 , WOS:000314629600012.

525. Dethe, Dattatraya H.; Murhade, Ganesh, FeCl₃ Catalyzed Prins-Type Cyclization for the Synthesis of Highly Substituted Indenes: Application to the Total Synthesis of (+/-)-Jungianol and epi-Jungianol, ORGANIC LETTERS, 15, 3, 429-431, 10.1021/ol3032347, FEB 1 2013 2013, 5010 51523-7060 WOS:000314559000001.

526. Khanam, Afroza; Tripathi, S. K.; Roy, Debmalya; Nasim, M.; A facile and novel synthetic method for the preparation of hydroxyl capped fluorescent carbon nanoparticles, COLLOIDS AND SURFACES B-BIOINTERFACES, 102, 63-69, 10.1016/j.colsurfb.2012.08.016, FEB 1 2013 2013, 200020927-7765 WOS:000313301200009.

527. Murari, V.; Upadhyay, C. S.; Micromechanics based diffuse damage model for unidirectional composites COMPOSITE STRUCTURES, 96, 419-432, 10.1016/j.compstruct.2012.09.008, FEB 2013 2013, 000000263-8223, WOS:000313776900041.

528. Nigam, Shubha; Vankar, Padma S.; Gopal, Krishna; Biosorption of arsenic from aqueous solution using dye waste, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 20, 2, 1161-1172 10.1007/s11356-012-0966-1, FEB 2013 2013, 302030944-1344 ,WOS:000314065100053.

- 529.Kumar, Rajeev; Tiwari, Pankaj; Garg, Sanjeev; Alkali transesterification of linseed oil for biodiesel production, FUEL, 104, 553-560 , 10.1016/j.fuel.2012.05.002, FEB 2013 2013 110020016-2361 WOS:000314192100065.
- 530.Padwal, Manisha B.; Mishra, D. P.; Synthesis of Jet A1 gel fuel and its characterization for propulsion applications, FUEL PROCESSING TECHNOLOGY, 106, 359-365, 10.1016/j.fuproc.2012.08.023, FEB 2013, 100010378-3820, WOS:000314191800047.
- 531.Agarwal, Avinash Kumar; Khurana, Deepak; Long-term storage oxidation stability of Karanja biodiesel with the use of antioxidants, FUEL PROCESSING TECHNOLOGY, 106, 447-452 10.1016/j.fuproc.2012.09.011, FEB 2013, 2013 400040378-3820, WOS:000314191800058.
- 532.Saxena, Dhish Kumar; Duro, Joao A.; Tiwari, Ashutosh; Deb, Kalyanmoy; Zhang, Qingfu; Objective Reduction in Many-Objective Optimization: Linear and Nonlinear Algorithms, IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION , 17, 1, 77-99, 10.1109/TEVC.2012.2185847, FEB 2013 2013 601061089-778X, WOS:000314269200005.
- 533.Dubey, Ashish; Jain, A.; Jayalakshmi, C. G.; Shami, T. C.; Awari, N.; Prabhu, S. S.; MULTILAYER BROADBAND ABSORBING STRUCTURES FOR TERAHERTZ REGION MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 55, 2, 393-395, 10.1002/mop.27295, FEB 2013 2013, 000000895-2477 WOS:000314214100046.
- 534.Dutta, Joydeep; Lalitha, C. S.; Optimality conditions in convex optimization revisited, OPTIMIZATION LETTERS , 7, 2, 221-229, 10.1007/s11590-011-0410-3, FEB 2013, 000001862-4472 WOS:000314060400002.
- 535.Nandi, Swagata; Kundu, Debasis ; Estimation of parameters of partially sinusoidal frequency model STATISTICS, 47, 1, 45-60 , 10.1080/02331888.2011.577894, FEB 1 2013, 000000233-1888, WOS:000314168400003.
536. Kundu, Debasis; Gupta, Rameshwar D.; Power-normal distribution, STATISTICS, 47, 1, 110 -125, 10.1080/02331888.2011.568620 , FEB 1 2013 2013, 000000233-1888, WOS:000314168400007.
- 537.Modi, Shilpi; Trivedi, Richa; Singh, Kavita; Kumar, Pawan; Rathore, Ram K. S.; Tripathi, Rajendra P.; Khushu, Subash; Individual differences in trait anxiety are associated with white matter tract integrity in fornix and uncinate fasciculus: Preliminary evidence from a DTI based tractography study, BEHAVIOURAL BRAIN RESEARCH, 238, 188-192, 10.1016/j.bbr.2012.10.007, FEB 1 2013, 100010166-4328, WOS:000314138800024.
- 538.Shyam, Radhe; Chhabra, R. P.; Effect of Prandtl number on heat transfer from tandem square cylinders immersed in power-law fluids in the low Reynolds number regime, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 57, 2, 742-755, 10.1016/j.ijheatmasstransfer.2012.11.001 , FEB 2013, 200020017-9310; 1879-2189, WOS:000313850100033.

539.Sikarwar, Basant Singh; Khandekar, Sameer; Muralidhar, K.; Simulation of flow and heat transfer in a liquid drop sliding underneath a hydrophobic surface, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 57, 2, 786-811, 10.1016/j.ijheatmasstransfer.2012.10.066, FEB 2013, 200020017-9310, WOS:000313850100036.

540.Annamalai, A. Raja; Nekatibeb, F.; Upadhyaya, A.; Agrawal, D. K.; Effect of heating mode on sinterability of carbonyl iron compacts, MATERIALS RESEARCH INNOVATIONS, 17, 1, 10-16, 10.1179/1433075X12Y.0000000011, FEB 2013 2013, 100011432-8917 ,WOS:000313744300003.

541.Kamaal, Naimuddin; Akram, Mohammad; Pratap, Aditya; Yadav, Prashant; Characterization of a new begomovirus and a beta satellite associated with the leaf curl disease of French bean in northern India VIRUS GENES, 46, 1, 120-127, 10.1007/s11262-012-0832-8, FEB 2013 2013, 2020 20920-8569 WOS:000314042300015.

542. Jain, Sachin K.; Singh, S. N.; Fast Harmonic Estimation of Stationary and Time-Varying Signals Using EA-AWNN IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, 62, 2, 335-343 10.1109/TIM.2012.2217637, FEB 2013, 200020018-9456, WOS:000313363200008.

543.Kumar, Alok; Dhara, Sharmistha; Biswas, Krishanu; Basu, Bikramjit; In vitro bioactivity and cytocompatibility properties of spark plasma sintered HA-Ti composites, JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, 101B, 2, 223-236 , 10.1002/jbm.b.32829 FEB 2013, 301031552-4973, WOS:000313348400003.

544.Moon, A.; Sangal, S.; Mondal, K. Corrosion Behaviour of New Railway Axle Steels, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, 66, 1, 33-41, 10.1007/s12666-012-0167-0, FEB 2013, 2013, 000000972-2815, WOS:000312906100005.

545.Ghosh, A., Kinetics of Reduction of Iron Oxide in Mixtures of Oxide and Carbon: A Critical Appraisal, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, 66, 1, 71-77, 10.1007/s12666-012-0228-4, FEB 2013, 000000972-2815, WOS:000312906100010.

555.Singh, Sudhir K.; Singh, Jayant K. Singh, Jayant/A-1820-2011, A comparative study of critical temperature estimation of atomic fluid and chain molecules using fourth-order Binder cumulant and simplified scaling laws, MOLECULAR SIMULATION, 39, 2, 154-159, 10.1080/08927022.2012.708755 , FEB 1 2013, 000000892-7022, WOS:000312589000009.

556.Nandi, Swagata; Kundu, Debasis; Srivastava, Rajesh Kumar; Noise space decomposition method for two-dimensional sinusoidal model, COMPUTATIONAL STATISTICS & DATA ANALYSIS, 58, 147-161 10.1016/j.csda.2011.03.002, FEB 2013, 000000167-9473; 1872-7352 WOS:000312359100013.

557. Shalabh; A revisit to efficient forecasting in linear regression models, JOURNAL OF MULTIVARIATE ANALYSIS, 114, 161-170, 10.1016/j.jmva.2012.07.017, FEB 2013, 000000047-259X WOS:000312039200011.

558. Gupta, R. P.; Chandra, Peeyush, Bifurcation analysis of modified Leslie-Gower predator-prey model with Michaelis-Menten type prey harvesting, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 398, 1, 278-295, 10.1016/j.jmaa.2012.08.057, FEB 1 2013, 2013, 501050022-247X WOS:000310659500024.

559. Singh, R. K.; Mishra, Santanu, A Magnetically Coupled Feedback-Clamped Optimal Bidirectional Battery Charger, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 60, 2, 422-432 10.1109/TIE.2012.2186776, FEB 2013, 2013, 600060278-0046, WOS:000309054800001.

560. Nag, Tanay; Dutta, Amit; Patra, Ayoti, QUENCHING DYNAMICS AND QUANTUM INFORMATION INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 27, 1-3 SI, 1345036 10.1142/S0217979213450367 JAN 30 2013 2013, 000000217-9792; 1793-6578, WOS:000316891300021.

561. Mishra, Sudib Kumar; De, Ashoke, Coupling of reaction and hydrodynamics around a reacting block modeled by Lattice Boltzmann Method (LBM) COMPUTERS & FLUIDS, 71, 91-97 10.1016/j.compfluid.2012.10.011, JAN 30 2013 2013, 300030045-7930 WOS:000314372400008.

562. Ahmad, Syed Ishraque; Mazumdar, Nasreen; Kumar, Sunil, Functionalization of natural gum: An effective method to prepare iodine complex, CARBOHYDRATE POLYMERS, 92, 1, 497-502 10.1016/j.carbpol.2012.09.049, JAN 30 2013, 2013, 100010144-8617, WOS:000313146900069. J Kashyap, Gopal, Weyl meson and its implications in collider physics and cosmology, PHYSICAL REVIEW D 87, 1, 016018 10.1103/PhysRevD.87.016018, JAN 29 2013, 2013, 000001550-7998, WOS:000314229300008.

563. Ranganathan, Madhav; Weeks, John D., Theory of Impurity Induced Step Pinning and Recovery in Crystal Growth from Solutions, PHYSICAL REVIEW LETTERS, 110, 5, 055503 10.1103/PhysRevLett.110.055503, JAN 29 2013 2013, 100010031-9007, WOS: 000314231600007.

564. Rai, Durgesh C.; Dhanapal, S., Bricks and mortars in Lucknow monuments of c. 17-18 century CURRENT SCIENCE, 104, 2, 238-244, JAN 25 2013, 2013, 000000011-3891, WOS:000314792700025

565. Subramanian, Priya; Sujith, R. I.; Wahi, P., Subcritical bifurcation and bistability in thermoacoustic systems, JOURNAL OF FLUID MECHANICS, 715, 210-238, 10.1017/jfm.2012.514, JAN 25 2013, 000000022-1120, WOS:000313588800008.

566. Biswas, Tutul; Ghosh, Tarun Kanti, Acoustic phonon-limited resistivity of spin-orbit coupled two-dimensional electron gas: the deformation potential and piezoelectric scattering, *JOURNAL OF PHYSICS-CONDENSED MATTER*, 25, 3, 035301, 10.1088/0953-8984/25/3/035301, JAN 23 2013, 2013 300030953-8984, WOS:000313100500004.

567. Singh, Raghendra, Signal Oscillation Is Another Reason for Variability in Microarray-Based Gene Expression Quantification, *PLOS ONE*, 8, 1, e54753, 10.1371/journal.pone.0054753, JAN 21 2013 2013, 000001932-6203, WOS:000313943000049.

568. Shukla, A. K.; Samuel, M. G.; Kumar, R. Suresh; Murty, S. V. S. Narayana; Mondal, K., Effect of powder oxidation on densification and properties of vacuum hot pressed Cu-Cr-Nb alloy, *MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING*, 561, 452-459, 10.1016/j.msea.2012.10.062, JAN 20 2013, 2013, 400040921-5093; 1873-4936, WOS:000325835700058.

569. Choudhary, Sudhanshu; Qureshi, S., Theoretical study on the effect of dopant positions and dopant density on transport properties of a BN co-doped SiC nanotube, *PHYSICS LETTERS A* 377, 5 430-435, 10.1016/j.physleta.2012.12.007, JAN 17 2013 2013, 000000375-9601 WOS:000314442500014.

570. Gera, Vivek; Panahi, Mehdi; Skogestad, Sigurd; Kaistha, Nitin, Economic Plantwide Control of the Cumene Process, *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*, 52, 2, 830-846, 10.1021/ie301386h, JAN 16 2013 2013 100010888-5885, WOS:000313933500033.

571. Majumder, Ritwik; Chakrabarti, Saikat; Ledwich, Gerard; Ghosh, Arindam, Advanced Battery Storage Control for an Autonomous Microgrid, *ELECTRIC POWER COMPONENTS AND SYSTEMS*, 41, 2, 157-181, 10.1080/15325008.2012.738351, JAN 15 2013 2013, 000001532-5008, WOS:000315982600003.

572. Kumar, K. Shravan; Biswas, Krishanu Kairy, Shravan /H-7040-2013, Effect of thiourea on grain refinement and defect structure of the pulsed electrodeposited nanocrystalline copper, *SURFACE & COATINGS TECHNOLOGY*, 214, 8-18, 10.1016/j.surfcoat.2012.10.018, JAN 15 2013 2013, 000000257-8972, WOS:000315004000002.

573. Rahman, Qazi Inamur; Ahmad, Musheer; Misra, Sunil Kumar; Lohani, Minaxi, Effective photocatalytic degradation of rhodamine B dye by ZnO nanoparticles, *MATERIALS LETTERS*, 91, 170-174, 10.1016/j.matlet.2012.09.044, JAN 15 2013 2013, 14000140167-577X, WOS:000313764800046.

574. Mishra, Indira; Bahuguna, D., Weighted pseudo almost automorphic solution of an integro-differential equation, with weighted Stepanov-like pseudo almost automorphic forcing term, *APPLIED MATHEMATICS AND COMPUTATION*, 219, 10, 5345-5355, 10.1016/j.amc.2012.11.011, JAN 15 2013 2013 200020096-3003, WOS:000313825900040.

575.Das, Nandan; Chatterjee, Subhasri; Soni, Jalpa; Jagtap, Jaidip; Pradhan, Asima; Sengupta, Tapas K.; Panigrahi, Prasanta K.; Vitkin, I. Alex; Ghosh, Nirmalya, Probing multifractality in tissue refractive index: prospects for precancer detection OPTICS LETTERS, 38, 2, 211-213, JAN 15 2013, 2013, 400040146-9592, WOS:000313636600043.

576.Rajput, Amit; Mukherjee, Rabindranath, Coordination chemistry with pyridine/pyrazine amide ligands. Some noteworthy results, COORDINATION CHEMISTRY REVIEWS, 257, 2 SI, 350-368, 10.1016/j.ccr.2012.03.024, JAN 15 2013 2013, 401040010-8545, WOS: 000312762200004.

577.Rahaman, S. M. Wahidur; Dinda, Shrabani; Sinha, Arup; Bera, Jitendra K., A Noninnocent Cyclooctadiene (COD) in the Reaction of an "Ir(COD)(OAc)" Precursor with Imidazolium Salts ORGANOMETALLICS, 32, 1, 192-201, 10.1021/om300982q, JAN 14 2013, 2013, 2 00020276-7333, WOS:000313606200023.

578.Sinha, Arup; Majumdar, Moumita; Sarkar, Mithun; Ghatak, Tapas; Bera, Jitendra K. Understanding C-H Bond Activation on a Diruthenium(I) Platform, ORGANOMETALLICS, 32, 1, 340-349, 10.1021/om301228h, JAN 14 2013, 2013, 400040276-7333, WOS:000313606200039.

579.Jain, V.; Mishra, R. S.; Gupta, A. K.; Gouthama, Mishra, Rajiv/A-7985-2009 Mishra, Rajiv/0000-0002-1699-0614, Study of beta-precipitates and their effect on the directional yield asymmetry of friction stir processed and aged AZ91C alloy, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 560, 500-509, 10.1016/j.msea.2012.09.095, JAN 10 2013 2013, 100010921-5093, WOS:000313155400059.

580.Nayak, Suryakanta; Rahaman, Mostafizur; Pandey, A. K.; Setua, Dipak Kumar; Chaki, Tapan Kumar; Khastgir, Dipak, Development of poly(dimethylsiloxane)-titania nanocomposites with controlled dielectric properties: Effect of heat treatment of titania on electrical properties, JOURNAL OF APPLIED POLYMER SCIENCE, 127, 1, 784-796, 10.1002/app.37777, JAN 5 2013 2013, 100010021-8995, WOS:000309594400098.

581.Jain, Sezal; Prakash, Disha; Subramanian, Venkatesh K. IEEE, Robust Self Localization by Edge Feature Tracking, 2013 IEEE SECOND INTERNATIONAL CONFERENCE ON IMAGE INFORMATION PROCESSING (ICIIP) 45-50, 2013 2013 IEEE 2nd International Conference on Image Information Processing (ICIIP) DEC 09-11, 2013 IEEE; IEEE Delhi Sect; IEEE Jaypee Univ Informat Technol Student Branch; Jaypee Grp; Comp Soc India Special Interest Grp Cyber Forens; Jaypee Univ Informat Technol, Dept CSE; Jaypee Univ Informat Technol, Dept ICT Jaypee Univ Informat Technol, Shimla, INDIA, 00000978-1-4673-6099-9; 978-1-4673-6100-2 WOS:000333669300009.

582.Nigam, Jyoti; Gandhi, Tejas, IEEE, Face Recognition Using Gradient Based Local Feature Matching, 2013 IEEE SECOND INTERNATIONAL CONFERENCE ON IMAGE INFORMATION PROCESSING (ICIIP) 623-628, 2013 2013, IEEE 2nd International Conference on Image Information Processing (ICIIP) DEC 09-11, 2013, IEEE; IEEE Delhi Sect; IEEE Jaypee Univ Informat Technol Student Branch; Jaypee Grp; Comp Soc India Special Interest Grp Cyber Forens; Jaypee Univ Informat Technol, Dept CSE; Jaypee Univ Informat Technol, Dept ICT Jaypee Univ Informat Technol, Shimla, INDIA 00000978-1-4673-6099-9; 978-1-4673-6100-2, WOS:000333669300115.

583.Kumar, Ashutosh; Akhtar, M. Jaleel, IEEE Antennas & Propagat Soc Permittivity Profile Inversion of Planar Dispersive Media From Bandpass Scattering Data, 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 360-361, 2013, 2013, International Symposium of the IEEE-Antennas-and-Propagation-Society JUL 07-13, 2013 Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APS, Orlando, FL 000001522-3965 978-1-4673-5317-5 WOS:000332766800178.

584. Kosuru, Geethanjali; Srivastava, Kumar Vaibhav, IEEE Antennas & Propagat Soc Novel EBG Grounded PIFA for Improved Directivity in Mobile Communication Bands 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 618-619, 2013 2013, International Symposium of the IEEE-Antennas-and-Propagation-Society, JUL 07-13, 2013, Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APS, Orlando, FL 000 001522-3965 978-1-4673-5317-5, WOS:000332766800300.

585.Chaudhary, Raghvendra Kumar; Srivastava, Kumar Vaibhav; Biswas, Animesh, IEEE Antennas & Propagat Soc Dual-Band Cylindrical Dielectric Resonator Antenna with Varying Permittivity in phi-direction, 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 1286-1287, 2013 2013, International Symposium of the IEEE-Antennas-and-Propagation-Society, JUL 07-13, 2013, Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APS Orlando, FL 000001522-3965, 978-1-4673-5317-5, WOS:000332766801182.

586.Kumar, Rajnish; Chaudhary, Raghvendra Kumar; Srivastava, Kumar Vaibhav, IEEE Antennas & Propagat Soc Annular Shape Microstrip Feeding Technique for Cylindrical and Half-split Cylindrical Dielectric Resonator Antenna for Broadband Applications, 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 1288-1289, 2013 2013, International Symposium of the IEEE-Antennas-and-Propagation-Society JUL 07-13, 2013, Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APSOrlando, FL, 000001522-3965, 978-1-4673-5317-5, WOS:000332766801183.

587.Saurav, Kushmanda; Sarkar, Debdeep; Srivastava, Kumar Vaibhav, IEEE Antennas & Propagat Soc A Via-less CRLH Unit-cell Loaded Dual-Band Double-Sided Printed Dipole Antenna for GSM/Bluetooth/WLAN Applications, 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 1358-1359 , 2013 2013International Symposium of the IEEE-Antennas-and-Propagation-Society JUL 07-13, 2013Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APS Orlando, FL, 000001522-3965, 978-1-4673-5317-5, WOS:000332766801217.

588.Bhattacharyya, Somak; Ghosh, Saptarshi; Srivastava, Kumar Vaibhav, IEEE Antennas & Propagat Soc A Dual Band Metamaterial Absorber using Electric Field Driven LC (ELC) and Cave ELC Structures, 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 1452-1453 , 2013, 2013 International Symposium of the IEEE-Antennas-and-Propagation-Society, JUL 07-13, 2013, Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APS Orlando, FL000001522-3965, 978-1-4673-5317-5, WOS:000332766801259.

589.Ghosh, Saptarshi; Srivastava, Kumar Vaibhav, IEEE Antennas & Propagat Soc Polarization Insensitive Tetra Arrow Metamaterial Absorber, 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 1454-1455 , 2013, 2013, International Symposium of the IEEE-Antennas-and-Propagation-Society JUL 07-13, 2013 Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APS Orlando, FL, 000001522-3965, 978-1-4673-5317-5 WOS:000332766801260.

590.Prachi; Chaudhary, Raghvendra Kumar; Srivastava, Kumar Vaibhav, IEEE Antennas & Propagat Soc, Wideband Cylindrical Dielectric Resonator Antenna Excited by a Rounded Bevel Shaped Patch, 2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI) IEEE Antennas and Propagation Society International Symposium, 1910 -1911, 2013, 2013, International Symposium of the IEEE-Antennas-and-Propagation-Society, JUL 07-13, 2013 Inst Elect & Elect Engineers; IEEE Antennas & Propagat Soc; APS Orlando, FL 000001522-3965, 978-1-4673-5317-5, WOS:000332766801477.

591.Ahmad, Waqar; Satyavolu, Sai Nitish; Hegde, Rajesh M.; Karnick, Harish , A COMBINED APPROACH TO SPEAKER AUTHENTICATION USING CLAIMANT-SPECIFIC ACOUSTIC UNIVERSAL STRUCTURES, 2013 IEEE RECENT ADVANCES IN INTELLIGENT COMPUTATIONAL SYSTEMS (RAICS)104-109, 2013, 2013 , IEEE Recent Advances in Intelligent Computational Systems (RAICS)DEC 19-21, 2013 IEEE Trivandrum, INDIA, 00000978-1-4799-2177-5 WOS:000333831100019.

592.J Dash, Sarojeet; Vasudevan, Vinod; Singh, Sanjay Kumar, Disaggregate Model for Vehicle Ownership Behavior of Indian Households, TRANSPORTATION RESEARCH RECORD, 2394, 55-62 10.3141/2394-07, 2013,2013 000000361-1981; 2169-4052, WOS:000333867600007.

593.Sankar, Arun U.; Nag, Soumya Shubhra; Mishra, Santanu K. IEEE , A Multi-Input Single-Control (MISC) Battery Charger for DC Nanogrids, 2013 IEEE ECCE ASIA DOWNUNDER (ECCE ASIA) 304-310, 2013, 2013, 5th IEEE Annual International Energy Conversion Congress and Exhibition (ECCE) Asia DownUnder Conference, JUN 03-06, 2013, IEEE; IEEE Power Elect Soc; CES; KIPE; IEEJ RMIT Univ, Melbourne, AUSTRALIA 00000978-1-4799-0483-9; 978-1-4799-0482-2 WOS:000332789100049.

594.Verma, Nishchal K.; Khatravath, Sreevidya; Salour, Al, IEEE, Cost Benefit Analysis for Condition Based Maintenance, 2013 IEEE INTERNATIONAL CONFERENCE ON PROGNOSTICS AND HEALTH MANAGEMENT, 2013, 2013, IEEE International Conference on Prognostics and Health Management (PHM) JUN 24-27, 2013, IEEE; Reliabil Soc, Gaithersburg, MD 00000978-1-4673-5722-7, WOS:000332461600043.

595.Verma, Nishchal K.; Gupta, Vishal Kwnar; Sharma, Mayank; Sevakula, Rahul Kumar, IEEE, Intelligent Condition Based Monitoring of Rotating Machines using Sparse Auto-encoders, 2013 IEEE INTERNATIONAL CONFERENCE ON PROGNOSTICS AND HEALTH MANAGEMENT, 2013, 2013, IEEE International Conference on Prognostics and Health Management (PHM) JUN 24-27, 2013 IEEE; Reliabil Soc Gaithersburg, MD 00000978-1-4673-5722-7,WOS:000332461600039.

596.Banerjee, P.; Srivastava, S. C.; Ramamoorthy, M. IEEE, Fast Estimation of Dynamic Variations in Voltage and Current Phasor for Power System Application, 2013 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING (PES) IEEE Power and Energy Society General Meeting PESGM, 2013,2013, General Meeting of the IEEE-Power-and-Energy-Society (PES) JUL 21-25, 2013 IEEE Power & Energy Soc Vancouver, CANADA, 000001944-9925 978-1-4799-1303-9, WOS:000331874301135.

597.Lal, Vivek Nandan; Siddhardha, Maganti; Singh, S. N., IEEE, Control of a Large Scale Single-Stage Grid-Connected PV System Utilizing MPPT and Reactive Power Capability, 2013 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING (PES) IEEE Power and Energy Society General Meeting PESGM, 2013, 2013, General Meeting of the IEEE-Power-and-Energy-Society (PES) JUL 21-25, 2013, IEEE Power & Energy Soc, Vancouver, CANADA, 00000 1944-9925, 978-1-4799-1303-9 WOS:000331874302048.

598.Pavani, P.; Singh, S. N., IEEE, Reconfiguration of radial distribution networks with distributed generation for reliability improvement and loss minimization, 2013 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING (PES) IEEE Power and Energy Society General Meeting PESGM, 2013, 2013, General Meeting of the IEEE-Power-and-Energy-Society (PES) JUL 21-25, 2013 IEEE Power & Energy Soc Vancouver, CANADA, 00000, 1944-9925 978-1-4799-1303-9, WOS:000331874303062.

599.Sharma, A.; Srivastava, S. C.; Chakrabarti, S., IEEE, Multi Area State Estimation using Area Slack Bus Angle Adjustment with Minimal Data Exchange, 2013 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING (PES) IEEE Power and Energy Society General Meeting PESGM, 2013, 2013, General Meeting of the IEEE-Power-and-Energy-Society (PES) JUL 21-25, 2013 IEEE Power & Energy Soc Vancouver, CANADA, 00000

600.Vardikar, M.; Chakrabarti, S.; Kyriakides, E., IEEE, Transformation of Measurements for Using External Network Equivalents in State Estimation, 2013 IEEE POWER AND ENERGY SOCIETY GENERAL MEETING (PES) IEEE Power and Energy Society General Meeting PESGM, 2013, 2013, General Meeting of the IEEE-Power-and-Energy-Society (PES) JUL 21-25, 2013 IEEE Power & Energy Soc, Vancouver, CANADA, 000001944-9925, 978-1-4799-1303-9, WOS:000331874301184.

601.Jithin, M.; Shubham; De, A.; Das, M. K. Simos, T; Psihoyios, G; Tsitouras, C, Unsteady Behavior of High Re Flow in Lid Driven Rectangular Cavities Using LBM, 11TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2013, PTS 1 AND 2 (ICNAAM 2013) AIP Conference Proceedings, 1558, 90-93, 10.1063/1.4825428, 2013, 2013, 11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM) SEP 21-27, 2013 European Soc Computat Methods Sci, Engn & Technol; Santilli Fdn, GREECE, 000000094-243X 978-0-7354-1185-2, WOS:000331472800021.

602. De, A.; Acharya, S.; Simos, T; Psihoyios, G; Tsitouras, C, Investigation of Flow Structures in Hydrogen-enriched Premixed Combustion, 11TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2013, PTS 1 AND 2 (ICNAAM 2013) AIP Conference Proceedings, 1558, 192-195, 10.1063/1.4825453, 2013, 2013, 11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM) SEP 21-27, 2013 European Soc Computat Methods Sci, Engn & Technol; Santilli Fdn, GREECE, 000000094-243X 978-0-7354-1185-2, WOS:000331472800046.

603. Jithin, M.; Shubham; De, A.; Das, M. K.; Simos, T; Psihoyios, G; Tsitouras, C, Study of Lid Driven Rectangular Cavities Using LBM, 11TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS 2013, PTS 1 AND 2 (ICNAAM 2013) AIP Conference Proceedings, 1558, 212- 215, 10.1063/1.4825458, 2013, 2013, 11th International Conference of Numerical Analysis and Applied Mathematics (ICNAAM) SEP 21-27, 2013 European Soc Computat Methods Sci, Engn & Technol; Santilli Fdn, GREECE, 000000094-243X 978-0-7354-1185-2, WOS:000331472800051.\

604.Jha, Kapil; Mishra, Santanu, IEEE, Improving the Large Signal Gain of Dynamic Linearizing Modulator Controlled Boost Converter, 39TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY (IECON 2013) IEEE Industrial Electronics Society, 882-887, 2013, 2013, 39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON) NOV 10-14, 2013 IEEE Ind Elect Soc; Inst Elect & Elect Engineers; Austrian Inst Technol; Vienna Univ Technol Vienna, AUSTRIA, 00000, 1553-572X, 978-1-4799-0224-8, WOS:000331149500139.

605. Ray, Olive; Mishra, Santanu, IEEE, A Multi-port Converter Topology with Simultaneous Isolated and Non-Isolated Outputs, 39TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY (IECON 2013) IEEE Industrial Electronics Society, 7118-7123, 2013, 2013, 39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON), NOV 10-14, 2013, IEEE Ind Elect Soc; Inst Elect & Elect Engineers; Austrian Inst Technol; Vienna Univ Technol Vienna, AUSTRIA, 00000, 1553-572X, 978-1-4799-0224-8, WOS:000331149506148.

606.Nag, Soumya Shubhra; Adda, Ravindranath; Ray, Olive; Mishra, Santanu Kumar, IEEE Current-Fed Switched Inverter Based Hybrid Topology for DC Nanogrid Application, 39TH ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY (IECON 2013) IEEE Industrial Electronics Society, 7146-7151, 2013, 2013, 39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON) NOV 10-14, 2013, IEEE Ind Elect Soc; Inst Elect & Elect Engineers; Austrian Inst Technol; Vienna Univ Technol, Vienna, AUSTRIA 000001553-572X, 978-1-4799-0224-8 WOS:000331149506153.

607.Singh, Sanchit K.; Pratap, Dheeraj; Ramakrishna, S. Anantha; Khanderkar, Sameer Guo, L Evaporation of Sessile Droplets on Nano-porous Alumina Surfaces, 7TH INTERNATIONAL SYMPOSIUM ON MULTIPHASE FLOW, HEAT MASS TRANSFER AND ENERGY CONVERSION, AIP Conference Proceedings 1547, 156-163, 10.1063/1.4816864, 2013, 7th International Symposium on Multiphase Flow, Heat Mass Transfer and Energy Conversion, OCT 26-30, 2012 Int Ctr Heat & Mass Transfer; Natl Nat Sci Fdn China; Minist Educ China; Int Assoc Hydrogen Energy; Chinese Soc Engn Thermophys; Xian Jiaotong Univ, State Key Lab Multiphase Flow Power Engn Xian, PEOPLES R CHINA 000000094-243X, 978-0-7354-1172-2 WOS:000331233800020.

608.Sikarwar, Basant Singh; Khanderkar, Sameer; Muralidhar, K., Guo, L, Coalescence of Pendant Droplets on an Inclined Super-hydrophobic Substrate, 7TH INTERNATIONAL SYMPOSIUM ON MULTIPHASE FLOW, HEAT MASS TRANSFER AND ENERGY CONVERSION AIP Conference Proceedings, 1547, 505-512, 10.1063/1.4816902, 2013, 7th International Symposium on Multiphase Flow, Heat Mass Transfer and Energy Conversion OCT 26-30, 2012 Int Ctr Heat & Mass Transfer; Natl Nat Sci Fdn China; Minist Educ China; Int Assoc Hydrogen Energy; Chinese Soc Engn Thermophys; Xian Jiaotong Univ, State Key Lab Multiphase Flow Power Engn Xian, PEOPLES R CHINA 000000094-243X, 978-0-7354-1172-2 WOS:000331233800058.

609.Dongare, K.; Chakrabarti, S.; Kyriakides, E., IEEE PES Bangalore Chapter, Power System State Estimation Considering Real-time Equivalents of the External Networks, 2013 IEEE INNOVATIVE SMART GRID TECHNOLOGIES - ASIA (ISGT ASIA), 2013, 2013, IEEE Conference on Innovative Smart Grid Technologies - Asia (ISGT Asia) NOV 10-13, 2013, IEEE; IEEE Power & Energy Soc; IEEE Power & Energy Soc Bangalore Chapter Bangalore, INDIA, 00000978-1-4799-1346-6 WOS:000330237600015.

610.Samal, U. C.; Vasudevan, K., IEEE, Bandwidth Efficient Turbo Coded OFDM Systems, 2013 13TH INTERNATIONAL CONFERENCE ON ITS TELECOMMUNICATIONS (ITST), 493-498, 2013, 2013, 13th International Conference on ITS Telecommunications (ITST) NOV 05-07, 2013, IEEE Finland Tampere, FINLAND, 00000978-1-4799-0846-2, WOS:000330842900083.

611.Awasthi, Seema; Biswas, Animesh; Akhtar, Mohammed Jaleel, IEEE, Direct Coupled Quad-band Bandstop Filter Synthesis using Frequency Transformation, 2013 ASIA-PACIFIC MICROWAVE CONFERENCE PROCEEDINGS (APMC 2013) Asia Pacific Microwave Conference-Proceedings , 893-895, 2013 2013, 3rd Asia-Pacific Microwave Conference Proceedings (APMC) NOV 05-08, 2013, Seoul, SOUTH KOREA 00000978-1-4799-1472-2, WOS:000330851900290.

612.Mukherjee, Soumava; Chongder, Prasun; Srivastava, Kumar Vaibhav; Biswas, Animesh IEEE, Design of a Broadband Coaxial to Substrate Integrated Waveguide (SIW) Transition , 2013 ASIA-PACIFIC MICROWAVE CONFERENCE PROCEEDINGS (APMC 2013) Asia Pacific Microwave Conference-Proceedings, 896 -898, 2013, 2013, 3rd Asia-Pacific Microwave Conference Proceedings (APMC) NOV 05-08, 2013, Seoul, SOUTH KOREA, 00000978-1-4799-1472-2, WOS:000330851900291.

613.Chongder, Prasun; Mukherjee, Soumava; Srivastava, Kumar Vaibhav; Biswas, Animesh IEEE, Design of Dual-Mode Substrate Integrated Hexagonal Cavity (SIHC) Filter for X-Band Application 2013 ASIA-PACIFIC MICROWAVE CONFERENCE PROCEEDINGS (APMC 2013) Asia Pacific Microwave Conference-Proceedings , 942-944, 2013, 3rd Asia-Pacific Microwave Conference Proceedings (APMC) NOV 05-08, 2013, Seoul, SOUTH KOREA ,00000978-1-4799-1472-2 WOS:000330851900306.

614.Mukherjee, Soumava; Srivastava, Kumar Vaibhav; Biswas, Animesh, IEEE,Implementation of Dual-Frequency Longitudinal Slot Array Antenna on Substrate Integrated Waveguide at X-Band, 2013 EUROPEAN MICROWAVE CONFERENCE (EUMC) European Microwave Conference, 195-198, 2013 2013, 43rd European Microwave Conference (EuMC) OCT 07-10, 2013 APS Nuremberg, GERMANY 000002325-0305, 978-2-87487-031-6, WOS:000330768700050.

615.Gupta, Nikhil; Jagannatham, Aditya K., IEEE, Multiuser Successive Maximum Ratio Transmission (MS-MRT) for Video Quality Maximization in MIMO OFDMA based 4G Wireless Networks , 2013 IEEE 78TH VEHICULAR TECHNOLOGY CONFERENCE (VTC FALL) IEEE Vehicular Technology Conference Proceedings, 2013, 2013, IEEE 78th Vehicular Technology Conference (VTC Fall) SEP 02-05, 2013 IEEE Las Vegas, NV 000001550-2252, 978-1-4673-6187-3 WOS:000330585400275.

616.Patel, Adarsh; Biswas, Sinchan; Jagannatham, Aditya K., IEEE, Multiple Beacon based Robust Cooperative Spectrum Sensing in MIMO Cognitive Radio Networks, 2013 IEEE 78TH VEHICULAR TECHNOLOGY CONFERENCE (VTC FALL) IEEE Vehicular Technology Conference Proceedings, 2013 2013, IEEE 78th Vehicular Technology Conference (VTC Fall) SEP 02-05, 2013, IEEE, Las Vegas, NV 000001550-2252978-1-4673-6187-3, WOS:000330585400273.

617.Varshney, Neeraj; Jain, Roop C. Barolli, L; Enokido, T; Xhafa, F; Takizawa, M; Park, JJ A Novel MMSE based Predictive method for Narrow band Interference Removal , 2013 16TH INTERNATIONAL CONFERENCE ON NETWORK-BASED INFORMATION SYSTEMS (NBIS 2013) International Conference on Network-Based Information Systems, 228-233, 10.1109/NBiS.2013.34 2013 2013, 16th International Conference on Network-Based Information Systems (NBIS) SEP 04-06, 2013 FTRA; Fukuoka Inst Technol Gwangju, SOUTH KOREA, 000002157-0418 978-1-4799-2509-4; 978-0-7695-5052-7, WOS:000330059900034.

618.Gharekhan, Anita H.; Devi, Seema; Jagtap, Jaidip; Panigrahi, Prasanta K.; Pradhan, Asima Tuchin, VV; Duncan, DD; Larin, KV; Leahy, MJ; Wang, RK , PCA Based Polarized Fluorescence Study for Detecting Human Cervical Dysplasia, DYNAMICS AND FLUCTUATIONS IN BIOMEDICAL PHOTONICS IX Proceedings of SPIE, 8580, 85800N, 10.1117/12.2004597, 2013 2013, Conference on Dynamics and Fluctuations in Biomedical Photonics IX held at the SPIE Photonics West Conference, FEB 02-04, 2013 SPIE, San Francisco, CA 000000277-786X, 978-0-8194-9349-1 WOS:000329610700011.

619.Akram, Mohammad; Naimuddin; Pratap, Aditya; Malviya, Nupur; Yadav, Prashant, First report of Groundnut bud necrosis virus infecting wild species of Vigna, based on NP gene sequence characteristics PHYTOPATHOLOGIA MEDITERRANEA, 52, 3, 532-540, 2013, 2013, 000000031-9465, WOS:000329859800014

620.Renard, J-B; Tripathi, S. N.; Michael, M.; Rawal, A.; Berthet, G.; Fullekrug, M.; Harrison, R. G.; Robert, C.; Tagger, M.; Gaubicher, B., In situ detection of electrified aerosols in the upper troposphere and stratosphere, ATMOSPHERIC CHEMISTRY AND PHYSICS, 13, 22, 11187-11194, 10.5194/acp-13-11187-2013, 000001680-7316; 1680-7324, WOS:000327816400003.

621.D'Andrea, S. D.; Hakkinen, S. A. K.; Westervelt, D. M.; Kuang, C.; Levin, E. J. T.; Kanawade, V. P.; Leaitch, W. R.; Spracklen, D. V.; Riipinen, I.; Pierce, J. R. Levin, Ezra/F-5809-2010; Spracklen, Dominick/B-4890-2014; Chem, GEOS/C-5595-2014; Pierce, Jeffrey/E-4681-2013, Pierce, Jeffrey/0000-0002-4241-838X Understanding global secondary organic aerosol amount and size-resolved condensational behavior ATMOSPHERIC CHEMISTRY AND PHYSICS, 13, 22, 11519-11534, 10.5194/acp-13-11519-2013, 000001680-7316; 1680-7324, WOS:000327816400024.

622.Sadasivan, Viswas; Das, Utpal, QCSE Tuned Embedded Ring Modulator, JOURNAL OF LIGHTWAVE TECHNOLOGY, 32, 1107-1114, 10.1109/JLT.2013.2289324, JAN 1 2013 2013, 000000733-8724; 1558-2213, WOS:000328677100002.

623.Ramaiah, M. S.; Vijay, Ankit; Sharma, Geetika; Mukerjee, Amitabha, Coquillart, S; LaViola, JJ; Schmalstieg, D, Head Motion Animation using Avatar Gaze Space , 2013 IEEE VIRTUAL REALITY CONFERENCE (VR) Proceedings of the IEEE Virtual Reality Annual International Symposium, 95-96, 2013, 20th IEEE Virtual Reality Conference (VR) MAR 16-23, 2013, IEEE; IEEE Comp Soc; IEEE Comp Soc Visualizat & Graph Tech Comm Orlando, FL000001087-8270, 978-1-4673-4796-9; 978-1-4673-4795-2 WOS:000327715600032.

624.Sekhar, G. Chandra; Parakh, Shreyans; Jagannatham, Aditya K., Optimal 4G OFDMA Dynamic Subcarrier and Power Auction-based Allocation towards H.264 Scalable Video Transmission , DEFENCE SCIENCE JOURNAL, 63, 1SI, 15-24, JAN 2013, 000000011-748X; 0976-464x, WOS:000327913500003

625.Kalamkar, Sanket S.; Banerjee, Adrish, Improved Double Threshold Energy Detection for Cooperative Spectrum Sensing in Cognitive Radio, DEFENCE SCIENCE JOURNAL, 63, 1SI , 34-40 , JAN 2013 000000011-748X; 0976-464x , WOS:000327913500005.

626.Kumar, Trivesh; Harish, A. R., Broadband Circularly Polarized Printed Slot-Monopole Antenna IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS , 12, 1531-1534 10.1109/LAWP.2013.2291436 2013, 000001536-1225; 1548-5757, WOS: 000328053100007.

627.Thapa, Khem B.; Pandey, Praveen C.; Singh, Prabal P.; Ojha, Sant P., Tunable characteristics of one dimensional magnetic photonic crystal composed with single-negative materials, OPTIK 124, 24, 6631-6635, 10.1016/j.ijleo.2013.05.113 , 2013 000000030-402, WOS:000327685700032.

628.Sahu, Sumit Ranjan; Devi, Mayanglambam Manolata; Mukherjee, Puspall; Sen, Pratik; Biswas, Krishanu Optical Property Characterization of Novel Graphene-X (X=Ag, Au and Cu) Nanoparticle Hybrids JOURNAL OF NANOMATERIALS, 232409, 10.1155/2013/232409, 2013 000001687-4110; 1687-4129 , WOS:000327666400001.

629.Sarkar, Debdeep; Srivastava, Kumar Vaibhav, IEEE, SRR-loaded Antipodal Vivaldi Antenna for UWB Applications with Tunable Notch Function PROCEEDINGS OF 2013 URSI INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC THEORY (EMTS)URSI International Symposium on Electromagnetic Theory, 466-469 , 2013 , URSI International Symposium on Electromagnetic Theory (EMTS) MAY 20-24, 2013 Int Union Radio Sci; Inst Elect, Informat & Commun Engineers, Elect Soc Int Union Radio Sci Japanese Comm, Commiss B, Hiroshima, JAPAN 100012163-405X, 978-1-4673-4939-0; 978-4-88552-276-5, WOS:000327180500125.

630.Awasthi, Seema; Biswas, Animesh; Akhtar, Mohammed Jaleel, IEEE, Synthesis of Symmetric and Asymmetric Triple-Stopband Microwave Filter using Frequency Transformation, PROCEEDINGS OF 2013 URSI INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC THEORY (EMTS), URSI International Symposium on Electromagnetic Theory, 485-488 , 2013, URSI International Symposium on Electromagnetic Theory (EMTS) MAY 20-24, 2013, Int Union Radio Sci; Inst Elect, Informat & Commun Engineers, Elect Soc, Int Union Radio Sci Japanese Comm, Commiss B, Hiroshima, JAPAN 000002163-405X, 978-1-4673-4939-0; 978-4-88552-276-5, WOS:000327180500127.

631.Chaudhary, Raghvendra Kumar; Srivastava, Kumar Vaibhav; Biswas, Animesh, IEEE A Concentric Three-layer Half-split Cylindrical Dielectric Resonator Antenna for Wideband Applications PROCEEDINGS OF 2013 URSI INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC THEORY (EMTS) URSI International Symposium on Electromagnetic Theory, 664-667, 2013, URSI International Symposium on Electromagnetic Theory (EMTS) MAY 20-24, 2013 Int Union Radio Sci; Inst Elect, Informat & Commun Engineers, Elect Soc Int Union Radio Sci Japanese Comm, Commiss B, Hiroshima, JAPAN, 000002163-405X, 978-1-4673-4939-0; 978-4-88552-276-5, WOS:000327180500168.

632.Bhattacharyya, Somak; Srivastava, Kumar Vaibhav, IEEE, An Ultra Thin Electric Field Driven LC Resonator Structure as Metamaterial Absorber for Dual Band Applications, PROCEEDINGS OF 2013 URSI INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC THEORY (EMTS) URSI International Symposium on Electromagnetic Theory, 722-725, 2013, URSI International Symposium on Electromagnetic Theory (EMTS) MAY 20-24, 2013, Int Union Radio Sci; Inst Elect, Informat & Commun Engineers, Elect Soc Int Union Radio Sci Japanese Comm, Commiss B, Hiroshima, JAPAN, 100012163-405X978-1-4673-4939-0; 978-4-88552-276-5, WOS:000327180500184.

633.Bishnoi, Bhupesh; Ghosh, Bahniman, Spin transport in silicene and germanene, RSC ADVANCES 3, 48, 26153-26159, 10.1039/c3ra43491e, 2013 , 000002046-2069, WOS: 000327261700092.

634.Bohra, Abhishek, Emerging Paradigms in Genomics-Based Crop Improvement, SCIENTIFIC WORLD JOURNAL, 585467, 10.1155/2013/585467, 2013 000001537-744X, WOS: 000327639800001.

635.Bandaru, Sunith; Deb, Kalyanmoy, IEEE, A Parameterless-Niching-Assisted Bi-objective Approach to Multimodal Optimization, 2013 IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC) , 95, 102, 2013 , IEEE Congress on Evolutionary Computation JUN 20-23, 2013 IEEE; IEEE Computat Intelligence Soc Cancun, MEXICO 00000978-1-4799-0454-9; 978-1-4799-0453-2 WOS:000326235300013.

636.Datta, Rituparna; Costa, M. Fernanda P.; Deb, Kalyanmoy; Gaspar-Cunha, A. IEEE, An Evolutionary Algorithm based Pattern Search Approach for Constrained Optimization 2013 IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC), 1355-1362 , 2013, IEEE Congress on Evolutionary Computation JUN 20-23, 2013 IEEE; IEEE Computat Intelligence Soc Cancun, MEXICO, 00000978-1-4799-0454-9; 978-1-4799-0453-2, WOS:000326235301046.

637.Datta, Rituparna; Deb, Kalyanmoy, IEEE, Individual Penalty Based Constraint handling Using a Hybrid Bi-Objective and Penalty Function Approach, 2013 IEEE CONGRESS ON EVOLUTIONARY COMPUTATION (CEC), 2720-2727, 2013, IEEE Congress on Evolutionary Computation JUN 20-23, 2013 IEEE; IEEE Computat Intelligence Soc Cancun, MEXICO, 00000978-1-4799-0454-9; 978-1-4799-0453-2, WOS:000326235302095.

638.Arya, Aditya; Sethy, Niroj Kumar; Singh, Sushil Kumar; Das, Mainak; Bhargava, Kalpana Cerium oxide nanoparticles protect rodent lungs from hypobaric hypoxia-induced oxidative stress and inflammation, INTERNATIONAL JOURNAL OF NANOMEDICINE, 8, 4507-4519 10.2147/IJN.S53032, 2013, 000001178-2013, WOS:000327317800003.

639.J Singh, Satya Prakash; Biswas, Gautam; Nithiarasu, Perumal, Nithiarasu, Perumal/E-9210-2013 Nithiarasu, Perumal/0000-0002-4901-2980, A numerical study of vortex shedding from a circular cylinder vibrating in the in-line direction, INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, 23, 8, 1449-1462, 10.1108/HFF-08-2012-0183, 2013, 0000 00961-5539; 1758-6585, WOS:000327227400011.

640.Neogi, Subhadip; Sen, Susan; Bharadwaj, Parimal K., Neogi, Subhadip/C-9727-2014, Substitution at the metal center of coordination polymers in single-crystal-to-single-crystal (SC-SC) transformation CRYSTENGCOMM, 15, 45, 9239-9248, 10.1039/c3ce41257a, 2013, 000001466-8033 WOS:000326495000002.

641.J Prajapati, Rajneesh Kumar; Kumar, Jitendra; Verma, Sandeep, Counteranion-directed structural consequences in silver-adenine N-oxide complexes, CRYSTENGCOMM , 15, 45 , 9316-9319 10.1039/c3ce41164h, 2013, 000001466-8033, WOS:000326495000012.

642.Lahiri, Rima; Reddy, Y. Suman; Kulkarni, Sudhir A.; Vankar, Yashwant D., Synthesis of unnatural indolizidines, pyrrolizidine and C-alkyl iminosugars from sugar derived hemiaminals, RSC ADVANCES 3, 45, 23242-23254, 10.1039/c3ra43510e, 2013 , 000002046-2069, WOS:000326395800076.

643.Dethe, Dattatraya H.; Ranjan, Alok, Enantioselective total syntheses and determination of absolute configuration of marine toxins, oxazinins , RSC ADVANCES, 3, 45, 23692-23703 10.1039/c3ra44631j, 2013, 000002046-2069, WOS:000326395800132.

644.Chaurasia, Avinash Kumar; Jagannatham, Aditya K., Mammeri, Z; Benlamri, R Dynamic Parallel TCP For Scalable Video Streaming Over MIMO Wireless Networks, 2013 6TH JOINT IFIP WIRELESS AND MOBILE NETWORKING CONFERENCE (WMNC 2013) 2013, 6th Joint IFIP Wireless and Mobile Networking Conference (WMNC) APR 23-25, 2013, IFIP; IEEE; IEEE Commun Soc; IFIP TC6 Canadian Univ Dubai, Dubai, U ARAB EMIRATES, 00000978-1-4673-5616-9; 978-1-4673-5615-2, WOS:000325088400102.

645. Rituraj; Jagannatham, Aditya K., Mammeri, Z; Benlamri, R, Optimal Cluster Head Selection Schemes for Hierarchical OFDMA Based Video Sensor Networks, 2013 6TH JOINT IFIP WIRELESS AND MOBILE NETWORKING CONFERENCE (WMNC 2013) 2013, 6th Joint IFIP Wireless and Mobile Networking Conference (WMNC) APR 23-25, 2013 IFIP; IEEE; IEEE Commun Soc; IFIP TC6 Canadian Univ Dubai, Dubai, U ARAB EMIRATES, 00000978-1-4673-5616-9; 978-1-4673-5615-2 WOS:000325088400067.

646. Ray, Olive; Prasad, Anil J.; Mishra, Santanu, IEEE, A Multi-port DC-DC Converter topology with simultaneous Buck and Boost outputs, 2013 IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE), 2013, IEEE International Symposium on Industrial Electronics (ISIE) MAY 28-31, 2013, IEEE Taipei, TAIWAN, 00000978-1-4673-5194-2; 978-1-4673-5192-8 WOS:000326324900214.

647. Saurav, Kumar; Potluri, Ramprasad, IEEE, Sensorless Speed Control of a Permanent Magnet DC Motor by Compensating the Plant Nonlinearities 2013 IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE) 2013, IEEE International Symposium on Industrial Electronics (ISIE) MAY 28-31, 2013 IEEE Taipei, TAIWAN, 00000978-1-4673-5194-2; 978-1-4673-5192-8 WOS:000326324900205.

648. Verma, Nishchal K.; Sarkar, Sumit; Dixit, Sonal; Sevakula, Rahul K.; Salour, Al IEEE, Android App for Intelligent CBM, 2013 IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE) 2013, IEEE International Symposium on Industrial Electronics (ISIE) MAY 28-31, 2013 IEEE Taipei, TAIWAN, 00000978-1-4673-5194-2; 978-1-4673-5192-8 WOS:000326324900080.

649. J Chandrasekhar, Vadapalli; Bag, Prasenjit; Murugesapandian, Balasubramanian; Pandey, Mrituanjay D. A phosphorus-based compartmental ligand, (S)P[N(Me)N=CH-C₆H₃-2-O-3-OMe](3) (LH₃), enables the assembly of luminescent heterobimetallic linear {L(2)Zn(2)Ln}(+) [Ln = Gd, Tb, Nd and Eu] complexes DALTON TRANSACTIONS, 42, 43, 15447-15456, 10.1039/c3dt51431e, 2013, 000001477-9226; 1477-9234, WOS:000325944000026.

650. Sankararamkrishnan, Nalini; Singh, Neha; Gupta, Avinash, One pot green synthetic route for the preparation of cetyl trimethyl ammonium bromide grafted multiwalled carbon nanotubes and their application towards defluoridation, RSC ADVANCES, 3, 44, 22421-22429, 10.1039/c3ra43467b 2013, 100012046-2069, WOS:000326056600179.

651. Saxena, Manav; Sonkar, Sumit Kumar; Sarkar, Sabyasachi, Water soluble nanocarbons arrest the growth of mosquitoes, RSC ADVANCES, 3, 44, 22504-22508, 10.1039/c3ra44100h, 2013, 20002 2046-2069, WOS:000326056600189.

652. Barman, Apurba K.; Gour, Nidhi; Verma, Sandeep, Morphological transition triggered by mannose conjugation to a cyclic hexapeptide, 2, ARKIVOC, 82-99, 2013, 000001551-7004; 1551-7012 WOS:000324460900008.

653. Ansari, Alafia Ali; Lahiri, Rima; Vankar, Yashwant D., The carbon-Ferrier rearrangement: an approach towards the synthesis of C-glycosides, 2, ARKIVOC, 316-362, 2013, 603061551-7004; 1551-7012, WOS:000324460900023.

654. Katiyar, Priyanka; Kumar, Anand, Goulbourne, NC; Naguib, HE, A study on damping characteristics of alumina filled epoxy nano composites, BEHAVIOR AND MECHANICS OF MULTIFUNCTIONAL MATERIALS AND COMPOSITES 2013 Proceedings of SPIE, 8689 86891M, 10.1117/12.2012150, 2013, Conference on Behavior and Mechanics of Multifunctional Materials and Composites, MAR 10-14, 2013 SPIE; Amer Soc Mech Engineers San Diego, CA, 000000277-786X, 978-0-8194-9472-6 WOS:000323320000045.

655. Chakraborty, Mihir K.; Banerjee, Mohua, Rough Sets: Some Foundational Issues FUNDAMENTA INFORMATICA, 127, 1-4 , 1, 15, 10.3233/FI-2013-892, 2013, 000000169-2968; 1875-8681, WOS:000325745600004.

656. J Mukherjee, Jonaki; Ranjan, Ashok; Saxena, Arvind K.; Karan, Sankar; Majumder, Dwijesh K. Dutta; Ghosh, Arnab; Ghosh, Sujana; Das, Probal K.; Banerjee, Rajat, A novel carbon rich crystalline (C) SiC-Si(n) interface using liquid polycarbosilane as a precursor - a unique Schottky junction, JOURNAL OF MATERIALS CHEMISTRY C , 1, 42, 6945-6951, 10.1039/c3tc31125b , 2013 , 100012050-7526; 2050-7534, WOS:000325763900004.

657. Jagtap, Jaidip; Singh, Pankaj; Pantola, Chayanika; Agarwal, Asha; Pandey, Kiran; Pradhan, Asima Alfano, RR; Demos, SG Study and Discrimination of Human Cervical Tissue Images through Multifractal Analysis, OPTICAL BIOPSY XI Proceedings of SPIE, 8577, 85770W 10.1117/12.2005815 2013, Conference on Optical Biopsy XI part of the SPIE Photonics West BiOS Symposium FEB 05-06, 2013, SPIE; Assoc Italian Amer Educators; BaySpec Inc; Hamamatsu Corp; MagneGas Corp; Ocean Opt Inc; PerkinElmer Inc; Solariis, San Francisco, CA, 000000277-786X 978-0-8194-9346-0, WOS:000325432200016.

658. Mohan, Neetha; Suresh, Cherumuttathu H.; Kumar, Anmol; Gadre, Shridhar R. , Molecular electrostatics for probing lone pair- π interactions , PHYSICAL CHEMISTRY CHEMICAL PHYSICS, 15, 42, 18401-18409, 10.1039/c3cp53379d, 2013, 20002 1463-9076; 1463-9084, WOS:000325728400011.

659. Jha, Kapil; Mishra, Santanu IEEE A Dynamic Linearizing Modulator based Boost Inverter 2013 TWENTY-EIGHTH ANNUAL IEEE APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION (APEC 2013) Annual IEEE Applied Power Electronics Conference and Exposition (APEC) 2369- 2373 2013 28th Annual IEEE Applied Power Electronics Conference and Exposition (APEC) MAR 17-21, 2013 IEEE; Power Sources Manufacturers Assoc; IEEE Power Elect Soc; IEEE Ind Applicat Soc Long Beach, CA 000001048-2334, 978-1-4673-4355-8, WOS:000324988602077.

660. Ravindranath, Adda; Ray, Olive; Mishra, Santanu; Joshi, Avinash IEEE Single Phase Utility Interactive Switched Boost Inverter for Renewable Energy Based Residential Power Applications 2013 TWENTY-EIGHTH ANNUAL IEEE APPLIED POWER ELECTRONICS CONFERENCE AND EXPOSITION (APEC 2013) Annual IEEE Applied Power Electronics Conference and Exposition (APEC) 3283-3287 2013 28th Annual IEEE Applied Power Electronics Conference and Exposition (APEC) MAR 17-21, 2013 IEEE; Power Sources Manufacturers Assoc; IEEE Power Elect Soc; IEEE Ind Applicat Soc Long Beach, CA 000001048-2334, 978-1-4673-4355-8, WOS:000324988603066.

661. Padwal, Manisha B.; Mishra, D. P. EFFECT OF AIR INJECTION CONFIGURATION ON THE ATOMIZATION OF GELLED JET A1 FUEL IN AN AIR-ASSIST INTERNALLY MIXED ATOMIZER ATOMIZATION AND SPRAYS 23 4 327-341 2013 , 100011044-5110, WOS:000325188900003.

662. Sarkar, Mithun; Doucet, Henri; Bera, Jitendra K., Room temperature C-H bond activation on a [Pd-I-Pd-I] platform, CHEMICAL COMMUNICATIONS, 49, 84, 9764-9766, 10.1039/c3cc44493g, 2013 101011359-7345, WOS:000324928000017.

663. Bhar, Antara; Gupta, Manjul, A Note on Generalized Approximation Property, JOURNAL OF FUNCTION SPACES AND APPLICATIONS, 325141, 10.1155/2013/325141, 2013, 000000972-6802 WOS:000325584000001.

664. Pandey, G. N.; Thapa, Khem B.; Ojha, S. P., Omni-directional reflection bands in one-dimensional plasma dielectric photonic crystals, OPTIK, 124, 18, 3396-3401, 10.1016/j.ijleo.2012.12.015 2013, 100010030-4026 , WOS:000324849400047.

665. Samal, U. C.; Vasudevan, K., Kalra, BM; Garg, D; Prasad, R; Kumar, S Preamble-based Timing Synchronization For OFDM Systems , PROCEEDINGS OF THE 2013 3RD IEEE INTERNATIONAL ADVANCE COMPUTING CONFERENCE (IACC) IEEE International Advance Computing Conference 313-318 2013 3rd IEEE International Advance Computing Conference (IACC) FEB 22-23, 2013 IEEE; Ajay Kumar Garg Engn Coll (AKGEC), Dept Comp Sci & Engn; IEEE Comp Soc, India Council; Ajay Kumar Garg Engn Coll (AKGEC), IEEE Student Branch; Natl Internet Exchange India (NIXI); Jackson Engineers Ltd Ghaziabad, INDIA 000 002164-8263 978-1-4673-4528-6 WOS:000321780700060.

666. Yadav, Vibhash; Singh, Raghuraj Kalra, BM; Garg, D; Prasad, R; Kumar, S Predicting Design Quality of Object-Oriented Software using UML Diagrams PROCEEDINGS OF THE 2013 3RD IEEE INTERNATIONAL ADVANCE COMPUTING CONFERENCE (IACC) IEEE International Advance Computing Conference 1462-1467 2013 3rd IEEE International Advance Computing Conference (IACC) FEB 22-23, 2013 IEEE; Ajay Kumar Garg Engn Coll (AKGEC), Dept Comp Sci & Engn; IEEE Comp Soc, India Council; Ajay Kumar Garg Engn Coll (AKGEC), IEEE Student Branch; Natl Internet Exchange India (NIXI); Jackson Engineers Ltd Ghaziabad, INDIA, 000 002164-8263 978-1-4673-4528-6 WOS:000321780700260.

667. Awasthi, Vishal; Raj, Krishna , Kalra, BM; Garg, D; Prasad, R; Kumar, S, Development of Optimum Addition Algorithm Using Modified Parallel Hybrid Signed Digit (MPHSD) Technique, PROCEEDINGS OF THE 2013 3RD IEEE INTERNATIONAL ADVANCE COMPUTING CONFERENCE (IACC) IEEE International Advance Computing Conference, 1507-1513 , 2013 3rd IEEE International Advance Computing Conference (IACC) FEB 22-23, 2013 IEEE; Ajay Kumar Garg Engn Coll (AKGEC), Dept Comp Sci & Engn; IEEE Comp Soc, India Council; Ajay Kumar Garg Engn Coll (AKGEC), IEEE Student Branch; Natl Internet Exchange India (NIXI); Jackson Engineers Ltd Ghaziabad, INDIA 000002164-8263 978-1-4673-4528-6, WOS:000321780700268.

668. Sarkar, Tapobrata; Quevedo, Hernando; Cai, Rong-Gen Information Geometry: From Black Holes to Condensed Matter Systems, ADVANCES IN HIGH ENERGY PHYSICS , 465957 10.1155/2013/465957, 2013, 000001687-7357, WOS: 000324699000001.

669. Pandey, Saurabh; Pandey, Preeti; Mishra, Durgesh; Singh, Umesh Kumar, A validated stability indicating HPLC method for the determination of process-related impurities in pantoprazole bulk drug and formulations, BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, 49, 1, 175-184, JAN-MAR 2013, 000001984-8250, WOS:000324586200019.

670. Chavan, Sameer, AN INEQUALITY FOR SPHERICAL CAUCHY DUAL TUPLES COLLOQUIUM MATHEMATICUM, 131, 2, 265-271, 10.4064/cm131-2-8, 2013 , 000000010-1354 , WOS: 000324842700008.

671. Chandrasekhar, Vadapalli; Sahoo, Dipankar; Metre, Ramesh K. , Isomorphous Co(II) and Zn(II) phosphonates: co-crystal formation of $[M-2(\eta(1)\text{-DMPzH})(4)(\text{Cl}_3\text{CPO}_3)(2)]\{M(\eta(1)\text{-DMPzH})(2)\text{Cl}_2(2)\}(\text{toluene})(2)$ (M = Co(II) and Zn(II)) CRYSTENGCOMM, 15, 37, 7419-7422 10.1039/c3ce40997j 2013, 1000 11466-8033, WOS:000324266100006.

672. Mitra, Joyee; Pal, Kuntal; Sarkar, Sabyasachi, Second order non-linear optical activity of arsenic and antimony dithiolene complexes, DALTON TRANSACTIONS, 4238, 13905-13911 10.1039/c3dt51585k, 2013, 000001477-9226, WOS:000324405700017.

673. Katiyar, Rashmi; Bag, Dibyendu S.; Nigam, Indira , Fullerene (C-60) Containing Poly (N-isopropylacrylamide) Thermo-responsive Smart Hydrogels and their Swelling Behavior, JOURNAL OF POLYMER MATERIALS, 30, 1 , 15, 26 , JAN-MAR 2013, 000000973-8622, WOS:000324718300002.

674. Esthappan, Saisy Kudilil; Sinha, Mukesh Kumar; Katiyar, Priyanka; Srivastav, Anuraag; Joseph, Rani Polypropylene/Zinc oxide Nanocomposite Fibers: Morphology and Thermal Analysis, JOURNAL OF POLYMER MATERIALS, 30, 1 , 79-89, JAN-MAR 2013, 000000973-8622, WOS:000324718300007.

675. Ansari, Sajid Ali; Khan, Mohammad Mansoob; Kalathil, Shafeer; Nisar, Ambreen; Lee, Jintae; Cho, Moo Hwan, Khan, Mohammad Mansoob/C-6273-2013 Khan, Mohammad Mansoob/0000-0002-8633-7493, Oxygen vacancy induced band gap narrowing of ZnO nanostructures by an electrochemically active biofilm, NANOSCALE, 5, 19, 9238-9246, 10.1039/c3nr02678g, 2013, 600062040-3364, WOS:000324500900064.

676.Mandal, Dindyal; Tiwari, Rakesh K.; Shirazi, Amir Nasrolahi; Oh, Donghoon; Ye, Guofeng; Banerjee, Antara; Yadav, Arpita; Parang, Keykavous, Self-assembled surfactant cyclic peptide nanostructures as stabilizing agents, *SOFT MATTER*, 9, 39, 9465-9475, 10.1039/c3sm50764e, 2013, 00000 1744-683X WOS:000324755200025.

677.Dinda, Sanghamitra; Yap, Fung Ling; Suresh, Vignesh; Gupta, Raju Kumar; Das, Debajyoti; Krishnamoorthy, Sivashankar, Quantitative Detection with Surface Enhanced Raman Scattering (SERS) Using Self-Assembled Gold Nanoparticle Cluster Arrays, *AUSTRALIAN JOURNAL OF CHEMISTRY* 66, 9, 1034-1038, 10.1071/CH13222, 2013, 100010004-9425, WOS:000324210400006.

678.Ghorai, Manas K.; Talukdar, Ranadeep; Tiwari, Deo Prakash, An efficient synthetic route to carbocyclic enamionitriles via Lewis acid catalysed domino-ring-opening-cyclisation (DROC) of donor-acceptor cyclopropanes with malononitrile, *CHEMICAL COMMUNICATIONS*, 49, 74, 8205-8207 10.1039/c3cc44533j, 2013, 201021359-7345; 1364-548X, WOS:000323272700022.

679.Gupta, Shyam L.; Singh, Ravi Pratap; Thareja, Raj K., Quan, C; Qian, K; Asundi, A Colliding Plasma Plume Dynamics and ZnO Thin Film Deposition, *INTERNATIONAL CONFERENCE ON OPTICS IN PRECISION ENGINEERING AND NANOTECHNOLOGY (ICOPEN2013)* Proceedings of SPIE, 8769, UNSP 87692G, 10.1117/12.2021151, 2013, 2nd Conference of the Optics-and-Photonics-Society-of-Singapore / International Conference on Optics in Precision Engineering and Nanotechnology (icOPEN) APR 09-11, 2013, Opt & Photon Soc Singapore; Nanyang Technol Univ (NTU), Ctr Opt & Laser Engn; A STAR Natl Metrol Ctr; Lee Fdn; SPIE; Int Commiss Opt Singapore, SINGAPORE, 000000277-786X, 978-0-8194-9567-9 WOS:000323566900088.

680.Jain, V. K.; Seshank, S.; Sidpara, Ajay; Jain, Himanshu, ASME SOME ASPECTS OF MICRO-FABRICATION USING ELECTRO DISCHARGE DEPOSITION PROCESS PROCEEDINGS OF THE ASME/ISCIE INTERNATIONAL SYMPOSIUM ON FLEXIBLE AUTOMATION, ISFA 2012 419-424, 2013, ASME/ISCIE International Symposium on Flexible Automation (ISFA2012)JUN 18-20, 2012 Amer Soc Mech Engineers, St Louis, MO, 00000978-0-7918-4511, WOS:000323630300064.

681. Chandrasekhar, Vadapalli; Chakraborty, Amit; Carolina Sanudo, E., Sanudo, E. Carolina/A-8384-2014 Sanudo, E. Carolina/0000-0001-9647-6406, Ferrocene-based compartmental ligand for the assembly of neutral Zn-II/Ln(III) heterometallic complexes, *DALTON TRANSACTIONS*, 42, 37, 13436-13443 10.1039/c3dt51432c, 2013, 000001477-9226, WOS:000323759600022.

682.Lalruatfela; Ramakrishna, S. Anantha; Wanare, Harshawardhan, Taroni, P; Dehghani, H Negative refraction induced modes of Diffuse Photon Density Waves (DPDW) from an interface of Absorbing-Amplifying random media, *DIFFUSE OPTICAL IMAGING IV*, Proceedings of SPIE 8799, UNSP 87990T, 10.1117/12.2033410, 2013, Conference on Diffuse Optical Imaging IV MAY 12-14, 2013, SPIE; Opt Soc, Munich, GERMANY, 000000277-786X, 978-0-8194-9648-5 WOS:000323554600028.

683. Dethe, Dattatraya H.; Murhade, Ganesh M., FeCl₃ mediated intramolecular olefin-cation cyclization of cinnamates for the synthesis of highly substituted indenenes, CHEMICAL COMMUNICATIONS, 49 73, 8051-8053, 10.1039/c3cc43159b, 2013, 000001359-7345; 1364-548X, WOS:000323195600020.

684. J Sarmah, Satyajit; Guha, Ankur Kanti; Phukan, Ashwini K.; Kumar, Anmol; Gadre, Shridhar R. Stabilization of Si(0) and Ge(0) compounds by different silylenes and germynes: a density functional and molecular electrostatic study, DALTON TRANSACTIONS, 42, 36, 13200-13209 10.1039/c3dt50926e, 2013, 100011477-9226, WOS:000323274800054.

685. Tripathi, Kumud Malika; Begum, Ameerunisha; Sonkar, Sumit Kumar; Sarkar, Sabyasachi Nanospheres of copper(III) 1,2-dicarbomethoxy-1,2-dithiolate and its composite with water soluble carbon nanotubes, NEW JOURNAL OF CHEMISTRY, 37, 9, 2708-2715, 10.1039/c3nj00368j 2013, 200021144-0546; 1369-9261, WOS:000323110700018.

686. Chavan, Sameer C*-algebras generated by spherical hyperexpansions, NEW YORK JOURNAL OF MATHEMATICS, 19, 511-531, 2013, 000001076-9803 , WOS: 000323540600001.

687. Arola, A.; Eck, T. F.; Huttunen, J.; Lehtinen, K. E. J.; Lindfors, A. V.; Myhre, G.; Smirnov, A.; Tripathi, S. N.; Yu, H., Yu, Hongbin/C-6485-2008; Lindfors, Anders/C-6727-2012 Yu, Hongbin/0000-0003-4706-1575; , Influence of observed diurnal cycles of aerosol optical depth on aerosol direct radiative effect, ATMOSPHERIC CHEMISTRY AND PHYSICS, 13, 15 , 7895-7901, 10.5194/acp-13-7895-2013, 000001680-7316, WOS:000323103900039.

688. J Mondal, Pritam; Chaudhary, Arvind; Rath, Sankar Prasad, Supramolecular BODIPY-Zn(II)-bisporphyrin dyad and trinitrofluorenone encapsulated triad as models of antenna-reaction center: synthesis, structure and photophysical properties, DALTON TRANSACTIONS, 42, 34, 12381-12394 10.1039/c3dt50956g, 2013, 100011477-9226, WOS:000322780000039.

689. Schmidt, Rainer; Pandey, Shubhra; Fiorenza, Patrick; Sinclair, Derek C., Schmidt, Rainer/A-4265-2008 Schmidt, Rainer/0000-0002-8344-8403, Non-stoichiometry in "CaCu₃Ti₄O₁₂" (CCTO) ceramics RSC ADVANCES, 3, 34, 14580-14589, 10.1039/c3ra41319e, 2013, 000002046-206, WOS:000322737400053.

690. Barman, Apurba Kr.; Verma, Sandeep, Solid state structures and solution phase self-assembly of clicked mannosylated diketopiperazines, RSC ADVANCES, 3, 34, 14691-14700 , 10.1039/c3ra42310g 2013, 000002046-2069 , WOS:000322737400065.

691. Bhalla, Vandana; Singh, Gopal; Kumar, Manoj; Singh, Charan; Rawat, Madhu; Anand, R. S., Carbazole-based linear conjugated molecules: structure-property relationships and device properties, RSC ADVANCES, 3, 34, 14722-14730, 10.1039/c3ra42318b , 2013 000002046-2069 WOS:000322737400068.

692. Sharan, Vatsal; Kumar, Sudhir; Hegde, Rajesh, IEEE, Multiple Source Localization using Randomly Distributed Wireless Sensor Nodes, 2013 FIFTH INTERNATIONAL CONFERENCE ON COMMUNICATION SYSTEMS AND NETWORKS (COMSNETS)International Conference on Communication Systems and Networks, 2013, 5th International Conference on Communication Systems and Networks (COMSNETS)JAN 07-10, 2013 IEEE; IEEE Commun Soc; ACM; Sigmobile; ACM Sigcomm; Govt India, Dept Informat Technol; Cisco; IBM; HUAWEI; Microsoft Res; HP; TATA Consultancy Serv; Qualcomm; AirTight Networks; MYMOWIRELESS Bangalore, INDIA 00002155-2487 978-1-4673-5330-4; 978-1-4673-5329-8 WOS:000319874200054.
693. Dhavale, Tanmay P.; Jatav, Shweta; Joshi, Yogesh M., Thermally activated asymmetric structural recovery in a soft glassy nano-clay suspension, SOFT MATTER, 9, 32, 7751-7756 10.1039/c3sm51378e, 2013, 100011744-683X, WOS:000322230300011 .
694. Sharma, Archana; Bhat, Sumrita; Vishnoi, Tanushree; Nayak, Vijayashree; Kumar, Ashok, Three-Dimensional Supermacroporous Carrageenan-Gelatin Cryogel Matrix for Tissue Engineering Applications BIOMED RESEARCH INTERNATIONAL, 478279, 10.1155/2013/478279, 2013, 000002314-6133 WOS:000321830400001.
695. Vishnoi, Tanushree; Kumar, Ashok, Comparative Study of Various Delivery Methods for the Supply of Alpha-Ketoglutarate to the Neural Cells for Tissue Engineering, BIOMED RESEARCH INTERNATIONAL, 294679, 10.1155/2013/294679, 2013, 00000 2314-6133, WOS:000321636500001.
696. Bhateja, Ashish; Sharma, Ishan; Singh, Jayant K. Yu, A; Dong, K; Yang, R; Luding, S, Axial Segregation of Horizontally Vibrated Binary Granular Mixtures in an Offset-Christmas Tree Channel POWDERS AND GRAINS 2013, AIP Conference Proceedings, 1542, 105-108, 10.1063/1.4811878 2013, 7th International Conference on Micromechanics of Granular Media (Powders and Grains) JUL 08-12, 2013 Assoc Study Micromechan Granular Media (AEMMG); Univ New S Wales (UNSW), Lab Simulat & Modelling Particulate Syst (SIMPAS); Curtin Univ (CU), Dept Chemical Engn; Univ Twente (UT), Multi Scale Mech Grp (CTW & MESA+); JMBC Res Sch Fluid Mechan; Elsevier; Univ New S Wales (UNSW), Sch Mat Sci & Engn Sydney, AUSTRALIA, 000000094-243X, 978-0-7354-11661, WOS:000321003200021
697. Gupta, Ankur; Pandey, Shashank S.; Bhattacharya, Shantanu, Bhardwaj, S; Shekhawat, MS; Suthar, B High Aspect ZnO nanostructures based Hydrogen Sensing, PROCEEDING OF INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED PHYSICS & MATERIAL SCIENCE (RAM 2013) AIP Conference Proceedings, 1536, 291-292, 10.1063/1.4810215, 2013, International Conference on Recent Trends in Applied Physics and Material Science (RAM) FEB 01-02, 2013, Dept Sci & Technol (DST), New Delhi; Dept Sci & Technol (DST), Jaipur; Council Sci & Ind Res (CSIR)Govt Coll Engn & Technol Bikaner, Bikaner, INDIA, 100010094-243X,978-0-7354-116, WOS:000320861200140.

698. Kumar, A.; Agarwal, Pragya; Saxena, Abhay, Bhardwaj, S; Shekhawat, MS; Suthar, B Study of Phase Change Technology for Computer Memory Using Se₇₀Te₃₀-xAgx System, PROCEEDING OF INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED PHYSICS & MATERIAL SCIENCE (RAM 2013) AIP Conference Proceedings, 1536, 551-552, 10.1063/1.4810345, 2013, International Conference on Recent Trends in Applied Physics and Material Science (RAM) FEB 01-02, 2013 Dept Sci & Technol (DST), New Delhi; Dept Sci & Technol (DST), Jaipur; Council Sci & Ind Res (CSIR)Govt Coll Engn & Technol Bikaner, Bikaner, INDIA, 000000094-243X, 978-0-7354-1160-9, WOS:000320861200270.

699. Chauhan, Rashmi; Tripathi, Arvind; Srivastava, Amit Kumar; Srivastava, K. K., Chauhan, Rashmi/L-9221-2013, Chauhan, Rashmi/0000-0001-8951-0573 Bhardwaj, S; Shekhawat, MS; Suthar, B Effect of Swift Heavy Ion Irradiation on Optical Properties of Amorphous As₂Se₃ Thin Films PROCEEDING OF INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED PHYSICS & MATERIAL SCIENCE (RAM 2013)AIP Conference Proceedings, 1536 599-600, 10.1063/1.4810369, 2013, International Conference on Recent Trends in Applied Physics and Material Science (RAM) FEB 01-02, 2013 Dept Sci & Technol (DST), New Delhi; Dept Sci & Technol (DST), Jaipur; Council Sci & Ind Res (CSIR)Govt Coll Engn & Technol Bikaner, Bikaner, INDIA 000000094-243X, 978-0-7354-1160-9, WOS:000320861200294.

700. Iyer, Ganesh; Kumar, Arun; Subramaniam, Anandh, Bhardwaj, S; Shekhawat, MS; Suthar, B Critical Width for Coherent Stripes, PROCEEDING OF INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED PHYSICS & MATERIAL SCIENCE (RAM 2013)AIP Conference Proceedings, 1536, 1219 -1220, 10.1063/1.4810679, 2013, International Conference on Recent Trends in Applied Physics and Material Science (RAM)FEB 01-02, 2013, Dept Sci & Technol (DST), New Delhi; Dept Sci & Technol (DST), Jaipur; Council Sci & Ind Res (CSIR)Govt Coll Engn & Technol Bikaner, Bikaner, INDIA 000000094-243X, 978-0-7354-1160-9 WOS:000320861200604.

701. Patel, Vinay Kumar; Bhattacharya, Shantanu, Bhardwaj, S; Shekhawat, MS; Suthar, B Effect of Oxidizer Morphology on Combustion Characteristics of Nanoenergetic Materials of CuO/Al PROCEEDING OF INTERNATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED PHYSICS & MATERIAL SCIENCE (RAM 2013) AIP Conference Proceedings, 1536, 1322-1323 10.1063/1.4810730, 2013, International Conference on Recent Trends in Applied Physics and Material Science (RAM) FEB 01-02, 2013 Dept Sci & Technol (DST), New Delhi; Dept Sci & Technol (DST), Jaipur; Council Sci & Ind Res (CSIR)Govt Coll Engn & Technol Bikaner, Bikaner, INDIA, 000000094-243X, 978-0-7354-1160-9, WOS:000320861200655.

702. Mitra, Jaba; Tripathi, Garima; Sharma, Ashutosh; Basu, Bikramjit, Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Scaffolds for bone tissue engineering: role of surface patterning on osteoblast response , RSC ADVANCES, 3, 28, 11073-11094, 10.1039/c3ra23315d 2013, 100012046-2069, WOS:000320782500003.

703. Awasthi, Anurag; Venkataramani, Krithika; Nandini, Avani, IEEE, Image Quality Quantification for Fingerprints Using Quality-Impairment Assessment, 2013 IEEE WORKSHOP ON APPLICATIONS OF COMPUTER VISION (WACV) IEEE Workshop on Applications of Computer Vision , 296-302
2013, IEEE Workshop on Applications of Computer Vision (WACV) JAN 15-17, 2013 IEEE; IEEE Comp Soc (CS); IEEE BioMetr Council Clearwater, FL 000001550-5790, 978-1-4673-5053-2; 978-1-4673-5052-5, WOS:000320392700040.

704. Singh, A. N.; Gautam, Kirti A.; Dalela, D.; Sankhwar, S. N.; Natu, S. M.; Sankhwar, P. L.; Srivastava, A. N., Plasma Vascular Endothelial Growth Factors A and C in Patients undergoing Prostatic Biopsy and TURP for Suspected Prostatic Neoplasia, ASIAN PACIFIC JOURNAL OF CANCER PREVENTION 14, 3, 2053-2058, 10.7314/APJCP.2013.14.3.2053, 2013, 000001513-7368
WOS:000319985400080.

705. Siddiqi, Zafar A.; Siddique, Armeen; Shahid, M.; Khalid, Mohd.; Sharma, Prashant K.; Anjuli; Ahmad, Musheer; Kumar, Sarvendra; Lan, Yanhua; Powell, Annie K., Powell, Annie/B-8665-2012
Powell, Annie/0000-0003-3944-7427, Synthesis, crystal structure and magnetic studies of tetranuclear hydroxo and ligand bridged $[\text{Co}_4(\mu_3\text{-OH})(2)(\mu_2\text{-dea})(2)(\text{L-L})(4)](4)\text{Cl}\cdot 8\text{H}_2\text{O}$ [L-L=2,2'-bipyridine or 1,10-phenanthroline] complexes with mixed valence defect dicubane core, DALTON TRANSACTIONS 42, 26, 9513-9522, 10.1039/c3dt50854d , 2013 100011477-9226,
WOS:000320246200016.

706. Singh, Deepti; Vishnoi, Tanushree; Kumar, Ashok, Effect of Alpha-Ketoglutarate on Growth and Metabolism of Cells Cultured on Three-Dimensional Cryogel Matrix, INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES, 9 5, 521-530, 10.7150/ijbs.4962, 2013, 201021449-2288
WOS:000321057900011.

707. Bishnoi, Bhupesh; Chishti, Sheikh Sabiq; Verma, Aahwani; Salimath, Akshay Kumar; Ghosh, Bahniman, Garcia, H; Castan, H , Effect of electric field and temperature variability on spin dephasing in SiGe nanowires, PROCEEDINGS OF THE 2013 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE 2013) Spanish Conference on Electron Devices, 183-186, 2013 2013, 9th Spanish Conference on Electron Devices (CDE) FEB 12-14, 2013 IEEE; IEEE Seccion Espana; Electron Devices Soc; UVA; CEI Triangular E3; Junta Castilla & Leon; Santander; Instrumentos Medida; Agilent Technologies; ScienTec; Amer Elements; Diputacion Valladolid, Valladolid, SPAIN, 000002163-4971, 978-1-4673-4668-9,
WOS:000320660000047

708. Salimath, Akshay Kumar; Chishti, Sheikh Sabiq; Verma, Ashwani; Bishnoi, Bhupesh; Ghosh, Bahniman, Garcia, H; Castan, H, Monte Carlo Simulation of Temperature and Confinement Dependent Spin Transport in Germanium Nanowire, PROCEEDINGS OF THE 2013 SPANISH CONFERENCE ON ELECTRON DEVICES (CDE 2013) Spanish Conference on Electron Devices, 191-194, 2013 2013, 9th Spanish Conference on Electron Devices (CDE) FEB 12-14, 2013, IEEE; IEEE Seccion Espana; Electron Devices Soc; UVA; CEI Triangular E3; Junta Castilla & Leon; Santander; Instrumentos Medida; Agilent Technologies; ScienTec; Amer Elements; Diputacion Valladolid, Valladolid, SPAIN 000002163-4971 978-1-4673-4668-9, WOS:000320660000049.

709.Kalamkar, Sanket S.; Banerjee, Adrish, IEEE, On the Performance of Generalized Energy Detector Under Noise Uncertainty in Cognitive Radio, 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC) National Conference on Communications NCC , 2013 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp, Indian Inst Technol, Delhi, INDIA 00000978-1-4673-5952-8; 978-1-4673-5950-4, WOS:000318553200030.

710.Kulkarni, Kedar; Banerjee, Adrish, IEEE, Power Allocation for OFDM-based Cognitive Radio Systems Under Average Interference Constraint, 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC)National Conference on Communications NCC, 2013, 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp, Indian Inst Technol, Delhi, INDIA 00000978-1-4673-5952-8; 978-1-4673-5950-4, WOS:000318553200037.

711.Kumar, Lalan; Singhal, Kushagra; Sinha, Rohit; Hegde, Rajesh M., IEEE, Significance of the MUSIC-Group Delay Method in an ICA-Beamforming Framework for Speech Separation in Multi Source Environments, 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC)National Conference on Communications NCC 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp Indian Inst Technol, Delhi, INDIA, 00000978-1-4673-5952-8; 978-1-4673-5950-4 WOS:000318553200095.

712. Padaki, Harish; Nathwani, Karan; Hegde, Rajesh M., IEEE, Single Channel Speech Dereverberation Using the LP Residual Cepstrum , 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC) National Conference on Communications NCC, 2013 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp Indian Inst Technol, Delhi, INDIA 00000978-1-4673-5952-8, WOS:000318553200093.

713. Ranjan, Raju; Bhatt, Rajesh; Gupta, Sumana; Venkatesh, K. S., IEEE, Sparsity Based Segmentation in Hybrid Color Space, 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC) National Conference on Communications NCC, 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013 Joint Telemat Grp Indian Inst Technol, Delhi, INDIA, 00000978-1-4673-5952-8, WOS:000318553200040.

714. Reddy, S. Venkatrami; Singh, Aditya; Nath, Yadu K.; Akhtar, M. Jaleel, IEEE, Design of a Practical Dual-band Planar Monopole Antenna for WLAN and WiMAX Applications, 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC)National Conference on Communications NCC , 2013, 19th National Conference on Communications (NCC)FEB 15-17, 2013, Joint Telemat Grp, Indian Inst Technol, Delhi, INDIA, 00000978-1-4673-5952-8, WOS:000318553200072.

715. Sekhar, G. Chandra; Jagannatham, Aditya K., IEEE, Optimal Power Allocation Auction for H.264/SVC Coded Wireless Video Transmission 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC) National Conference on Communications NCC, 2013, 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp, Indian Inst Technol, Delhi, INDIA, 00000978-1-4673-5952-8, WOS:000318553200125.

716. Singh, Anurag; Singh, Yatindra Nath, IEEE, Rumor Dynamics with Inoculations for Correlated Scale Free Networks, 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC) National Conference on Communications NCC, 2013, 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp, Indian Inst Technol, Delhi, INDIA 00000978-1-4673-5952-8, WOS:000318553200150.

717. Sinha, Atul Kumar; Agarwal, Mohit; Chaturvedi, A. K., IEEE, Multi-Level SINR Thresholding for Reduced Complexity MIMO Detection, 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC) National Conference on Communications NCC 2013 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp, Indian Inst Technol, Delhi, INDIA 00000978-1-4673-5952-8, WOS:000318553200065.

718. Varshney, Neeraj; Jain, R. C., IEEE, An Adaptive Notch Filter for Narrow Band Interference Removal , 2013 NATIONAL CONFERENCE ON COMMUNICATIONS (NCC) National Conference on Communications NCC, 2013 2013, 19th National Conference on Communications (NCC) FEB 15-17, 2013, Joint Telemat Grp, Indian Inst Technol, Delhi, INDIA , 00000978-1-4673-5952-8 WOS:000318553200020.

719. Qureshi, S.; Patil, Ganesh C., IEEE, UTBB with Ground-Plane Dopant-Segregated Schottky Barrier SOI MOSFET for Thermally Efficient Low-Variability Nanoscale CMOS Circuits, PROCEEDINGS OF THE 2013 IEEE 5TH INTERNATIONAL NANO-ELECTRONICS CONFERENCE (INEC) International Nanoelectronics Conference, 65-68, 2013, 2013 , IEEE 5th International Nanoelectronics Conference (INEC) JAN 02-04, 2013, IEEE; IEEE Nanotech Chapter; IEEE Singapore Sect; Nanyang Technol Univ; IEEE Electron Device Soc (EDS); BRUKER; Cascade Microtech; SHIMADZU; ZEISS; Off Naval Res Sci & Technol Singapore, SINGAPORE, 000002159-3523 978-1-4673-4841-6, WOS:000319409400020.

720. Nadkarni-Ghosh, Sharvari, Non-linear density-velocity divergence relation from phase space dynamics, MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, 428, 2, 1166-1180 , 10.1093/mnras/sts099, JAN 2013, 2013, 100010035-8711, WOS:000318229000016.

721. Lahiri, Rima; Ansari, Alafia A.; Vankar, Yashwant D., Recent developments in design and synthesis of bicyclic azasugars, carbasugars and related molecules as glycosidase inhibitors, CHEMICAL SOCIETY REVIEWS, 42, 12, 5102-5118, 10.1039/c3cs35525j, 2013, 11030110306-0012 WOS:000319527400019.

722. J Chandrasekhar, Vadapalli; Sahoo, Dipankar; Narayanan, Ramakirushnan Suriya; Butcher, Raymond J.; Lloret, Francesc; Pardo, Emilio, A hexaicosametallic copper(II) phosphonate, DALTON TRANSACTIONS, 42, 23, 8192-8196, 10.1039/c3dt00103b, 2013, 700071477-9226 , WOS:000319286300005.

723. Chandrasekhar, Vadapalli; Metre, Ramesh K.; Narayanan, Ramakirushnan Suriya, Lipophilic bismuth phosphates: a molecular tetradecanuclear cage and a 1D-coordination polymer. Synthesis, structure and conversion to BiPO₄, DALTON TRANSACTIONS 42, 24, 8709-8716, 10.1039/c3dt50537e 2013 2013, 300031477-9226; 1477-9234, WOS: 000319555400023.

724.Nandi, Arup Kumar; Deb, Kalyanmoy; Datta, Shubhabrata; Orkas, Juhani, Orkas, Juhani/M-7113-2013
A genetic fuzzy based modeling of effective thermal conductivity for polymer composites JOURNAL OF
INTELLIGENT & FUZZY SYSTEMS, 25, 2, 259-270, 10.3233/IFS-2012-0633 2013, 000001064-1246;
1875-8967, WOS:000319616400001.

725.Chaudhary, Raghvendra Kumar; Kumar, Rajnish; Srivastava, Kumar Vaibhav, Chaudhary, Dr.
Raghvendra/C-4322-2013; Srivastava, Kumar Vaibhav/B-7106-2014, Chaudhary, Dr. Raghvendra/0000-
0001-6186-4089; Wideband Ring Dielectric Resonator Antenna With Annular-Shaped Microstrip Feed
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, 12, 595-598,
10.1109/LAWP.2013.2260317, 2013, 200021536-1225; 1548-5757, WOS:000319008500009.

726. Barua, Sourabh; Poojary, Rohan; Rajeev, K. P., Chauhan, AK; Murli, C; Gadkari, SC
Observation of Coulomb Blockade and Coulomb Staircase in a Lateral Metal Nanostructure
SOLID STATE PHYSICS, VOL 57 AIP Conference Proceedings, 1512, 316-317, 10.1063/1.4791038,
2013, 57th DAE Solid State Physics Symposium, DEC 03-07, 2012, Gov India, Dept Atom Energy (DAE),
Board Res Nucl Sci (BRNS) Indian Inst Technol, Bombay, INDIA, 000000094-243X, 978-0-7354-1133-3,
WOS:000317266700148.

727. Shukla, S.; Kumar, S.Chauhan, AK; Murli, C; Gadkari, SC, Effect Of Zn Incorporation On The
Optical Properties Of Thin Films Of Se₈₅Te₁₅ Glassy Alloy, SOLID STATE PHYSICS, VOL 57 AIP
Conference Proceedings, 1512, 552-553, 10.1063/1.4791156 , 2013, 57th DAE Solid State Physics
Symposium DEC 03-07, 2012 Gov India, Dept Atom Energy (DAE), Board Res Nucl Sci (BRNS) Indian
Inst Technol, Bombay, INDIA 000000094-243X, 978-0-7354-1133-3, WOS:000317266700266.

728.Rastogi, A.; Hossain, Z.; Budhani, R. C., Chauhan, AK; Murli, C; Gadkari, SC, A comparative study of
photoconductivity in LaTiO₃/SrTiO₃ and LaAlO₃/SrTiO₃ 2-DEG heterostructures, SOLID STATE
PHYSICS, VOL 57 AIP Conference Proceedings, 1512, 638-639, 10.1063/1.4791199, 2013 , 57th
DAE Solid State Physics Symposium, DEC 03-07, 2012, Gov India, Dept Atom Energy (DAE), Board Res
Nucl Sci (BRNS) Indian Inst Technol, Bombay, INDIA, 000000094-243X 978-0-7354-1133-3,
WOS:000317266700309

729.Paramanik, U. B.; Anupam; Geibel, C.; Hossain, Z.; Prasad, R., Chauhan, AK; Murli, C; Gadkari, SC
Density Functional Study on CeMo₂Si₂C, SOLID STATE PHYSICS, VOL 57 AIP Conference
Proceedings, 1512, 840-841, 10.1063/1.4791300, 2013, 57th DAE Solid State Physics Symposium, DEC
03-07, 2012 Gov India, Dept Atom Energy (DAE), Board Res Nucl Sci (BRNS) Indian Inst Technol,
Bombay, INDIA 000000094-243X, 978-0-7354-1133-3 WOS:000317266700410.

730.Das, Shubhankar; Rastogi, A.; Joshi, P. C.; Kaur, Mandeep; Husale, S. C.; Senguttuvan, T. D.; Hossain,
Z.; Prellier, W.; Budhani, R. C., Chauhan, AK; Murli, C; Gadkari, SC, Observation of Current-Induced
Voltage Jump at Low Temperature in VO₂ Nanowires, SOLID STATE PHYSICS, VOL 57 AIP
Conference Proceedings , 1512 , 970-971, 10.1063/1.4791365, 2013 , 57th DAE Solid State Physics
Symposium, DEC 03-07, 2012, Gov India, Dept Atom Energy (DAE), Board Res Nucl Sci (BRNS)
Indian Inst Technol, Bombay, INDIA 000000094-243X 978-0-7354-1133-3, WOS:000317266700475.

731. Pandey, Himanshu; Joshi, P. C.; Budhani, R. C.; Chauhan, AK; Murli, C; Gadkari, SC, Structural and Magnetic Ordering in Co₂MnSi Films on (001) SrTiO₃, SOLID STATE PHYSICS, VOL 57 AIP Conference Proceedings, 1512, 1110-1111, 10.1063/1.4791435, 2013, 57th DAE Solid State Physics Symposium DEC 03-07, 2012, Gov India, Dept Atom Energy (DAE), Board Res Nucl Sci (BRNS) Indian Inst Technol, Bombay, INDIA 000000094-243X, 978-0-7354-1133-3, WOS:000317266700545.
732. Iyer, S. Sundar Kumar, Chauhan, AK; Murli, C; Gadkari, SC, Improving Organic Solar Cell Efficiency by Increasing Light Absorption and Charge Carrier Mobility in the Device Active Layer, SOLID STATE PHYSICS, VOL 57 AIP Conference Proceedings, 1512, 1315-1315, 10.1063/1.4791541, 2013, 57th DAE Solid State Physics Symposium DEC 03-07, 2012, Gov India, Dept Atom Energy (DAE), Board Res Nucl Sci (BRNS) Indian Inst Technol, Bombay, INDIA 000000094-243X, 978-0-7354-1133-3 WOS:000317266700651.
733. Dubey, Prashant; Sonkar, Sumit Kumar; Majumder, Sutripto; Tripathi, Kumud Malika; Sarkar, Sabyasachi Isolation of water soluble carbon nanotubes with network structure possessing multipodal junctions and its magnetic property, RSC ADVANCES, 3, 20, 7306-7312, 10.1039/c3ra22933e, 2013, 400 042046-2069, WOS:000318302900023.
734. Mitra, Jaba; Ghosh, Monoj; Bordia, Rajendra K.; Sharma, Ashutosh, Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Photoluminescent electrospun submicron fibers of hybrid organosiloxane and derived silica, RSC ADVANCES, 3, 20, 7591-7600, 10.1039/c3ra23408h 2013, 000002046-2069, WOS:000318302900060.
735. De, Anindya; Kurur, Piyush P.; Saha, Chandan; Satharishi, Ramprasad, FAST INTEGER MULTIPLICATION USING MODULAR ARITHMETIC SIAM JOURNAL ON COMPUTING , 42, 2, 685-699, 10.1137/100811167, 2013, 000000097-5397, WOS:000318353800012.
736. Khanna, Nitin; Jagannatham, Aditya K., Optimal Frame Rate Allocation and Quantizer Selection for Unicast and Multicast Wireless Scalable Video Communication, IETE JOURNAL OF RESEARCH 59, 1, 23-37, 10.4103/0377-2063.110623, JAN-FEB 2013, 000000377-20, WOS:000318243200005
737. Sen, M.; Banerjee, M.; Venturino, E., A model for biological control in agriculture, MATHEMATICS AND COMPUTERS IN SIMULATION, 87, 30-44, 10.1016/j.matcom.2013.02.001, JAN 2013, 000 000378-4754; 1872-7166, WOS:000318135800003.
738. Rao, Maddali L. N.; Dhanorkar, Ritesh J., Pd-catalyzed chemoselective threefold cross-coupling of triaryl bismuths with benzylic bromides, RSC ADVANCES, 3, 19, 6794-6798, 10.1039/c3ra40413g 2013, 100012046-2069 , WOS: 000317929800015.
739. Singh, Brijendra; Gupta, Shahana, Abdominal cocoon: A case series, INTERNATIONAL JOURNAL OF SURGERY, 11, 4, 325-328, 10.1016/j.ijssu.2013.02.011, 2013, 000001743-9191; 1743-9159 WOS:000317586100011.

740. Gupta, Shyam L.; Pandey, Pramod K.; Thareja, Raj K., Dynamics of laser ablated colliding plumes PHYSICS OF PLASMAS, 20, 1, 013511, 10.1063/1.4789860, JAN 2013, 901091070-664X WOS:000317286200085.
741. Chandrasekhar, Vadapalli; Narayanan, Ramakirushnan Suriya, Narayanan, Suriya/M-2630-2013 Metalation studies of 3-and 4-pyridyloxycyclophosphazenes: metallamacrocycles to coordination polymers, DALTON TRANSACTIONS, 42, 18,,6619 -6632, 10.1039/c3dt33084b, 2013, 000001477-9226, WOS:000317583000043.
742. Khan, L.; Srivastava, S.; Singh, P. K.; Ather, M., Benign breast myoepithelioma, JOURNAL OF CYTOLOGY 30, 1, 62-64, 10.4103/0970-9371.107518, JAN-MAR 2013, 000000970-9371, WOS:000316874100015.
743. Pattnaik, Binay Kumar, Globalization, ICT Revolution in India and Socio-cultural Changes: Sociological Explorations, POLISH SOCIOLOGICAL REVIEW, 181, 39-62 , 2013 000001231-1413, WOS:000317022500003
744. Dethe, Dattatraya H.; Boda, Raghavender; Das, Saikat, Cu(OTf)(2) catalysed [6+2] cycloaddition reaction for the synthesis of highly substituted pyrrolo[1,2-a]indoles: rapid construction of the yuremamine core, CHEMICAL COMMUNICATIONS, 49, 31, 3260-3262, 10.1039/c3cc40617b, 2013 000001359-7345, WOS:000316627000026.
745. Kumar, Ameet; Ramakrishnan, T. S., Single port laparoscopic repair of paediatric inguinal hernias: Our experience at a secondary care centre, JOURNAL OF MINIMAL ACCESS SURGERY 9, 1 7-12, 10.4103/0972-9941.107126, JAN-MAR 2013, 100010972-9941 , WOS:000316870200003.
746. Bheeter, Charles Beromeo; Jin, Rongwei; Bera, Jitendra K.; Doucet, Henri, Palladium-catalysed direct heteroarylation of bromobenzenes bearing SO₂R substituents at C₂ or C₄ , RSC ADVANCES, 3, 17 5987-5996, 10.1039/c3ra40769a, 2013 , 100012046-2069, WOS:000316965800036.
747. Majumder, Moumita; Manogaran, Sadasivam, Redundant internal coordinates, compliance constants and non-bonded interactions - some new insights, JOURNAL OF CHEMICAL SCIENCES, 125, 1, 9-15, 10.1007/s12039-012-0357-7, JAN 2013 , 000000974-3626, WOS:000316064700002.
748. Arya, Neha; Arora, Aditya; Vasu, K. S.; Sood, A. K.; Katti, Dharendra S., Combination of single walled carbon nanotubes/graphene oxide with paclitaxel: a reactive oxygen species mediated synergism for treatment of lung cancer, NANOSCALE, 5, 7, 2818-2829 , 10.1039/c3nr33190c , 2013 301032040-3364, WOS:000316120100035.
749. Ray, Sumit K.; Rout, Subhrajit; Singh, Vinod K., Enantioselective synthesis of 3,4-dihydropyran derivatives via a Michael addition reaction catalysed by chiral pybox-diph-Zn(II) complex, ORGANIC & BIOMOLECULAR CHEMISTRY, 11, 15, 2412-2416, 10.1039/c3ob40246k, 2013, 101011477-0520, WOS:000316275700004.

750. Chandrasekhar, Vadapalli; Narayanan, Ramakirushnan Suriya, Narayanan, Suriya/M-2630-2013
Pyridyloxy Cyclophosphazenes and Carbophosphazenes: Inorganic Ring-supported Coordination
Platforms, CHIMIA, 67, 1-2, 64-70, 10.2533/chimia.2013.64, 2013, 000000009-4293
WOS:000315758900009.
751. Arun, Ravi K.; Bekele, Wasihun; Ghatak, Animangsu, Self oscillating potential generated in patterned
micro-fluidic fuel cell, ELECTROCHIMICA ACTA, 87, 489-496, 10.1016/j.electacta.2012.09.114
JAN 1 2013, 201020013-4686, WOS:000315171100063.
752. Agarwal, Avinash K.; Chaudhury, Vipul; Agarwal, Anuj; Shukla, Pravesh C. , COMPARATIVE
STUDY OF MACROSCOPIC SPRAY PARAMETERS AND FUEL ATOMIZATION BEHAVIOUR OF
STRAIGHT VEGETABLE OILS (JATROPHA), ITS BIODIESEL AND BLENDS THERMAL SCIENCE,
17, 1, 217-232, 10.2298/TSCII20306109A , 2013, , 200020354-9836 , WOS:000315175600020.
753. Singh, Anurag; Singh, Yatindra Nath, NONLINEAR SPREAD OF RUMOR AND INOCULATION
STRATEGIES IN THE NODES WITH DEGREE DEPENDENT TIE STRENGTH IN COMPLEX
NETWORKS ACTA PHYSICA POLONICA B44, 1, 5 , 28, 10.5506/APhysPolB.44.5, JAN 2013
100010587-4254, WOS:000315172300001.
754. Goswami, Shyamaprosad; Aich, Krishnendu; Das, Sangita; Das, Avijit Kumar; Manna, Abhishek;
Halder, Sandipan, A highly selective and sensitive probe for colorimetric and fluorogenic detection of Cd²⁺
in aqueous media, ANALYST, 138, 6, 1903-1907, 10.1039/c3an36884j, 2013, 700070003-2654,
WOS:000314972500042.
755. Kumar, I. P.; Mohite, P. M.; Kamle, S., Axial compressive strength testing of single carbon fibres
ARCHIVES OF MECHANICS, 65, 1, 27-43, 2013, 000000373-2029, WOS:000315175200002.
756. Gaur, Abhinav; Bandaru, Sunith; Khare, Vineet; Chougule, Rahul; Deb, Kalyanmoy
Bansal, JC; Singh, PK; Deep, K; Pant, M; Nagar, AK, Identification and Impact Assessment of High-
Priority Field Failures in Passenger Vehicles using Evolutionary Optimization, PROCEEDINGS OF
SEVENTH INTERNATIONAL CONFERENCE ON BIO-INSPIRED COMPUTING: THEORIES AND
APPLICATIONS (BIC-TA 2012), VOL 1 Advances in Intelligent Systems and Computing, 201, 111-122,
10.1007/978-81-322-1038-2_10, 2013, 2013, 7th International Conference on Bio-Inspired Computing:
Theories and Applications (BIC-TA 2012) DEC 14-16, 2012, ABV Indian Inst Informat Technol &
Management Gwalior, Madhya Pradesh, INDIA 000002194-5357, 978-81-322-1037-5
WOS:000314999500010.

757. Deb, Kalyanmoy; Dhebar, Yashesh D.; Pavan, N. V. R., Bansal, JC; Singh, PK; Deep, K; Pant, M; Nagar, AK, Non-Uniform Mapping in Binary-Coded Genetic Algorithms, PROCEEDINGS OF SEVENTH INTERNATIONAL CONFERENCE ON BIO-INSPIRED COMPUTING: THEORIES AND APPLICATIONS (BIC-TA 2012), VOL 1, Advances in Intelligent Systems and Computing, 201, 133-144, 10.1007/978-81-322-1038-2_12, 2013 2013, 7th International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2012) DEC 14-16, 2012, ABV Indian Inst Informat Technol & Management Gwalior, Madhya Pradesh, INDIA 000002194-5357, 978-81-322-1037-5 WOS:000314999500012.

758. Tang, X. S.; Loke, Y. C.; Lu, P.; Sinha, Sujeet K.; O'Shea, S. J., Lu, Pin/E-5095-2010, Lu, Pin/0000-0002-4706-3514, Friction measurement on free standing plates using atomic force microscopy, REVIEW OF SCIENTIFIC INSTRUMENTS, 84, 1, 013702, 10.1063/1.4773534, JAN 2013, 100010034-6748 WOS:000314729100025.

759. Mitra, Joyee; Sarkar, Sabyasachi, Modelling the reduced xanthine oxidase in active sulfo and inactive desulfo forms, DALTON TRANSACTIONS, 42, 9, 3050-3058, 10.1039/c2dt32309e, 2013 100011477-9226, WOS: 000314608700004.

760. Baranwal, Tarun Kr.; Michalopoulos, Diomidis S.; Schober, Robert, Michalopoulos, Diomidis/D-2070-2014, Outage Analysis of Multihop Full Duplex Relaying, IEEE COMMUNICATIONS LETTERS 17, 1, 63-66, 10.1109/LCOMM.2012.112812.121826, JAN 2013, 100011089-7798; 1558-2558 WOS: 000314713700017.

761. Sinha, Manoranjan; Kuttieri, Rajesh Ayilliath; Ghosh, Ajoy Kanti; Misra, Ajay, High Angle of Attack Parameter Estimation of Cascaded Fins Using Neural Network, JOURNAL OF AIRCRAFT 50, 1, 272-291 10.2514/1.C031912, JAN-FEB 2013, 000000021-8669 WOS:000314667100026.

762. Yadav, N. P.; Kushari, Abhijit, Identification of the Cold Flow Perturbation Sources in a Dump Combustor With a Tapered Exit, JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, 135, 1, 014502 10.1115/1.4023199, JAN 2013, 000000098-2202, WOS:000314762000017.

763. Maurya, Rakesh Kumar; Agarwal, Avinash Kumar, Investigations on the effect of measurement errors on estimated combustion and performance parameters in HCCI combustion engine, MEASUREMENT 46, 1, 80-88, 10.1016/j.measurement.2012.05.021, JAN 2013, 100010263-2241 WOS:000313155700009.

764. Gaurav; Shankar, V., Shankar, V/F-6269-2010; Sharma, Gaurav/J-9249-2013, Manipulation of instabilities in core-annular flows using a deformable solid layer, PHYSICS OF FLUIDS, 25, 1, 014104 10.1063/1.4788712, JAN 2013 2013, 000001070-6631, WOS:000314728200021.

765.Ramapanicker, Ramesh; Sun, Xiaojiao; Viljanen, Johan; Baltzer, Lars, Powerful Binders for the D-Dimer by Conjugation of the GPRP Peptide to Polypeptides from a Designed Set-Illustrating a General Route to New Binders for Proteins, BIOCONJUGATE CHEMISTRY, 24, 1, 17-25, 10.1021/bc300186z JAN 2013, 000001043-1802, WOS:000313933700003.

766.Bhattacharya, B. K.; Chattopadhyay, C., A multi-stage tracking for mustard rot disease combining surface meteorology and satellite remote sensing, COMPUTERS AND ELECTRONICS IN AGRICULTURE, 90, 35-44, 10.1016/j.compag.2012.10.001, JAN 2013 2013 001010168-1699 WOS:000314389800005.

767.Akhtar, M. Jaleel; Thumm, Manfred, Measurement of Complex Permittivity of Cylindrical Objects in the E-Plane of a Rectangular Waveguide, 1, IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, 51 1, 122-131, 10.1109/TGRS.2012.2201259, JAN 2013, 2013, 0000 00196-2892 WOS: 000313963700014.

768.Kumar, P. Arun; Rathakrishnan, E., Truncated Triangular Tabs for Supersonic-Jet Control JOURNAL OF PROPULSION AND POWER , 29, 1, 50-65, 10.2514/1.B34642, JAN-FEB 2013 200020748-4658, WOS:000314331900006.

769.Choudhuri, Jyoti Roy; Yadav, Vivek K.; Karmakar, Anwesa; Mallik, Bhabani S.; Chandra, Amalendu A first-principles theoretical study of hydrogen-bond dynamics and vibrational spectral diffusion in aqueous ionic solution: Water in the hydration shell of a fluoride ion, PURE AND APPLIED CHEMISTRY 85, 1, 27-40, 10.1351/PAC-CON-12-05-09, 2013, 000000033-4545 WOS:000313885300004.

770.Verma, Vikram; Katiyar, Monica, Effect of the deposition parameters on the structural and magnetic properties of pulsed laser ablated NiO thin films THIN SOLID FILMS, 527, 369-376 10.1016/j.tsf.2012.12.020, JAN 1 2013 2013 110020040-6090, WOS:000314037200065.

771.Nigam, Abhishek; Panigrahi, P. K., Increase in effectiveness of holographic particle field reconstruction using superposition procedure, APPLIED OPTICS, 52, 1, A377-A387, JAN 1 2013 2013 000001559-128X; 2155-3165, WOS:000313745800042.

772.Rai, Durgesh C.; Annam, Praveen K.; Pradhan, Tripti, Seismic testing of steel braced frames with aluminum shear yielding dampers, 10.1016/j.engstruct.2012.08.027, JAN 2013 2013 , 100010141-0296, WOS:000313764600061.

773.Maji, Bikas C.; Krishnan, Madangopal; Sujata, M.; Gouthama; Ray, Ranjit K., Effect of Co Addition on the Microstructure, Martensitic Transformation and Shape Memory Behavior of Fe-Mn-Si Allo, METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE 44A, 1 172-185, 10.1007/s11661-012-1378-z JAN 2013 2013 , 000001073-5623 WOS:000313718500022.

- 774.Samal, Sumanta; Mondal, Barnali; Biswas, Krishanu; Govind, Electron Microscopic Study on the Suction Cast In Situ Ti-Fe-Sn Ultrafine Composites, METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 44A, 1, 427-439 , 10.1007/s11661-012-1404-1 JAN 2013, 100011073-5623, WOS:000313718500044.
- 775.Ray, Bahni; Biswas, Gautam; Sharma, Ashutosh; Welch, Samuel W. J., Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, CLSVOF method to study consecutive drop impact on liquid pool, INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW 23, 1, 143-157, 10.1108/09615531311289150, 2013, 100010961-5539 WOS:000313543800009.
- 778.Rammohan, Amritha; Tayal, Lokesh; Kumar, Ashok; Sivakumar; Sharma, Ashutosh, Sharma, Ashutosh/D-1034-2011, Sharma, Ashutosh/0000-0002-2653-0806, Fabrication of polymer-modified monodisperse mesoporous carbon particles by template-based approach for drug delivery, RSC ADVANCES, 3620082016, 10.1039/c2ra22261b , 2013 2013, 201022046-2069 WOS:000313513400058.
- 779.Rai, Durgesh C.; Komaraneni, Srinaganjaneyulu; Pradhan, Tripti, Strengthening of Slab Action in Transverse Direction of Damaged Deck of Prestressed Box Girder Bridge, JOURNAL OF BRIDGE ENGINEERING, 18, 1, 65-75, 10.1061/(ASCE)BE.1943-5592.0000318, JAN 2013 000001084-0702, WOS:000313353900008.
- 780.Mohapatra, M.; Layek, Samar; Anand, S.; Verma, H. C.; Mishra, B. K., Structural and magnetic properties of Mg-doped nano-alpha-Fe₂O₃ particles synthesized by surfactant mediation-precipitation technique, PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, 250, 1, 65-72, 10.1002/pssb.201248151 , JAN 2013, 100010370-1972, WOS:000313347500008.
- 781.Dixit, Arvind; Tiwari, Anuradha; Yadav, Sunil Kumar; Shukla, Bhakti Vijay, Adsorption of Toxic Metal Ions from Aqueous Solutions by Modified Cellulosic Waste Material, ASIAN JOURNAL OF CHEMISTRY, 25 1, 309-312, JAN 2013 , 000000970-7077, WOS:000312620300060.
- 782.Sairamu, M.; Chhabra, R. P., Natural convection in power-law fluids from a tilted square in an enclosure, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 56, 1-2, 319-339 10.1016/j.ijheatmasstransfer.2012.09.033, JAN 1 2013 2013, 500050017-9310; 1879-2189 WOS:000312625200032.
- 783.Nirmalkar, N.; Chhabra, R. P.; Poole, R. J., Poole, Robert/B-7960-2008, Poole, Robert/0000-0001-6686-4301, Laminar forced convection heat transfer from a heated square cylinder in a Bingham plastic fluid INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 56, 1-2, 625-6, 10.1016/j.ijheatmasstransfer.2012.08.049, JAN 1 2013, 500050017-9310; 1879-2189, WOS:000312625200058.

784.Sharma, Satinder K.; Barthwal, Sumit; Singh, Vikram; Kumar, Anuj; Dwivedi, Prabhat K.; Prasad, B.; Kumar, Dinesh, PECVD based silicon oxynitride thin films for nano photonic on chip interconnects applications, MICRON, 44, 339-346, 10.1016/j.micron.2012.08.006, JAN 2013, 2013, 100010968-4328, WOS:000312925300037.

785.Swamee, Prabhata K.; Sharma, Ashok K. Sharma, Dr Ashok/A-4945-2008 Sharma, Dr Ashok/0000-0002-0172-5033, Design of a Pumping Main Considering Pipeline Failure, WATER RESOURCES MANAGEMENT 27, 1, 199-207, 10.1007/s11269-012-0178-y, JAN 2013 2013, 000000920-4741, WOS:000312731300012.

786.Nath, Shekhar; Kalmodia, Sushma; Basu, Bikramjit, BASU, BIKRAMJIT/A-9967-2013, In vitro biocompatibility of novel biphasic calcium phosphate-mullite composites , JOURNAL OF BIOMATERIALS APPLICATIONS, 27, 5, 497-509, 10.1177/0885328211412206, JAN 2013, 301030885-3282 , WOS:000312553300001.

787.Moorthy, Jarugu Narasimha; Mandal, Susovan; Kumar, Amrit, Photochromism of novel chromenes constrained to be part of [2.2]paracyclophane: remarkable 'phane' effects on the colored o-quinonoid intermediates, NEW JOURNAL OF CHEMISTRY, 37 , 1, 82-88, 10.1039/c2nj40575j, 2013, 2013 200021144-0546, WOS:000312485900009.

788.Modi, Vivek; Lama, Dilraj; Sankararamkrishnan, Ramasubbu, Relationship between helix stability and binding affinities: molecular dynamics simulations of Bfl-1/A1-binding pro-apoptotic BH3 peptide helices in explicit solvent, JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 31, 1SI, 65-77, 10.1080/07391102.2012.691363 , JAN 1 2013, 2013, 301030739-1102, WOS:000312447100007.

789.Kochetov, Alex V.; Prayaga, Phani Deep; Volkova, Oxana A.; Sankararamkrishnan, Ramasubbu Hidden coding potential of eukaryotic genomes: nonAUG started ORFs, JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 31, 1SI, 103-114, 10.1080/07391102.2012.691367, JAN 1 2013, 202020739-1102, WOS:000312447100011.

790.Gupta, N.; Tiwari, B. N.; Bellucci, S., Intrinsic geometric analysis of the network reliability and voltage stability, INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, 44, 1 872-879, 10.1016/j.ijepes.2012.08.032, JAN 2013, 2013 , 101010142-0615; 1879-3517 WOS:000311864800097.

791.Ahmed, Faez; Deb, Kalyanmoy; Jindal, Abhilash, Multi-objective optimization and decision making approaches to cricket team selection, APPLIED SOFT COMPUTING , 13, 1, 402-414 10.1016/j.asoc.2012.07.031, JAN 2013 2013, 100011568-4946, WOS:000311506900035.

792.J Sinha, Ankur; Saxena, Dhish Kumar; Deb, Kalyanmoy; Tiwari, Ashutosh, Using objective reduction and interactive procedure to handle many-objective optimization problems, APPLIED SOFT COMPUTING 13, 1, 415-427, 10.1016/j.asoc.2012.08.030, JAN 2013, 2013, 200021568-4946 WOS:000311506900036.

793. Singh, Sanjay; Yadav, Hardeo S.; Yadava, Ashok Kumar; Rao, Devendra Pratap, Synthesis of Oxovanadium(IV) Complexes with Tetraaza Coordinating Ligands, JOURNAL OF CHEMISTRY 947325 10.1155/2013/947325, 2013, 2013, 000 002090-9063, WOS:000310908600001.
794. Awasthi, Seema; Singhal, Reena, A Study on Interaction and Solubility of Acetaminophen with Poly(AM-co-HEA-co-AA) Hydrogels by DSC: Effect on Drug Diffusion Behavior, JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, 50, 1, 72-89, 10.1080/10601325.2012.736266 JAN 1 2013, 2013, 000001060-1325, WOS:000311949200010.
795. Balakrishnan, N.; Kundu, Debasis, Hybrid censoring: Models, inferential results and applications COMPUTATIONAL STATISTICS & DATA ANALYSIS , 57, 1, 166-209, 10.1016/j.csda.2012.03.025 JAN 2013, 2013, 400040167-9473, WOS: 000310403700014.
796. Kundu, Debasis; Gupta, Arjun K., Bayes estimation for the Marshall-Olkin bivariate Weibull distribution, COMPUTATIONAL STATISTICS & DATA ANALYSIS, 57, 1, 271-281, 10.1016/j.csda.2012.06.002 JAN 2013, 2013, 100010167-9473; 1872-7352, WOS: 000310403700020.
797. Chandravanshi, Shalini; Upadhyay, Santosh K., Interaction of Natural Dye (*Allium cepa*) with Ionic Surfactants, JOURNAL OF CHEMISTRY, 685679, 10.1155/2013/685679, 2013, 2013, 00000 2090-9063, WOS:000309829700001.
798. Shukla, A. K.; Murty, S. V. S. Narayana; Kumar, R. Suresh; Mondal, K., Effect of hot rolling on the enhancement of mechanical properties of low density Cu-Cr-Nb sintered alloy, MATERIALS & DESIGN 43, 125-133, 10.1016/j.matdes.2012.06.041, JAN 2013 2013, 500050261-3069 WOS:000309242500016.
799. Yadava, A. K.; Yadav, H. S.; Singh, Sanjay; Yadav, U. S.; Rao, D. P., Synthesis and Characterization of Some Novel Schiff Base Complexes of Oxovanadium(IV) Cation, JOURNAL OF CHEMISTRY 689518 10.1155/2013/689518, 2013, 2013, 100 012090-9063, WOS:000307777300001.
800. Verma, Shalini; Bahorun, Theeshan; Singh, Ranjan Kumar; Aruoma, Okezie I.; Kumar, Arvind, Effect of *Aegle marmelos* leaf extract on N-methyl N-nitrosourea-induced hepatocarcinogenesis in Balb/c mice, PHARMACEUTICAL BIOLOGY, 51, 10, 1272-1281, 10.3109/13880209.2013.786100, OCT 2013.
801. Chaudhary, Raghvendra Kumar; Srivastava, Kumar Vaibhav; Biswas, Animesh, Chaudhary, Dr. Raghvendra/C-4322-2013; Srivastava, Kumar Vaibhav/B-7106-2014, Chaudhary, Dr. Raghvendra/0000-0001-6186-4089; A Practical Approach: Design of Wideband Cylindrical Dielectric Resonator Antenna With Permittivity Variation in Axial Direction and its Fabrication Using Microwave Laminates, MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 55, 10, 2282-2288, 10.1002/mop.27876, OCT 2013.

802.Kundu, D.; Samanta, D.; Ganguly, A.; Mitra, S., Bayesian Analysis of Different Hybrid and Progressive Life Tests, COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION, 42, 9 , 2160-2173, 10.1080/03610918.2011.654027, OCT 1 2013

803.Chaudhary, Poonam; Sensarma, Parthasarathi, Front-End Buck Rectifier With Reduced Filter Size and Single-Loop Control, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, 60, 10, 4359-4368, 10.1109/TIE.2012.2217724, OCT 2013.

804.Saravanan, Prabakaran; Satyanarayana, Nalam; Minh, Duong Hai; Sinha, Sujeet K., An in-situ heating effect study on tribological behavior of SU-8+PFPE composite, WEAR, 307, 1-2 , 182-189, 10.1016/j.wear.2013.09.001, SEP 30 2013.

805.Mahadevegowda, Surendra H.; Khan, Faiz Ahmed, Grob-type fragmentation of 5-oxabicyclo[2.1.1]hexane system: a strategy for synthesis of annulated and 2,2,5-trisubstituted tetrahydrofurans, TETRAHEDRON, 69, 39, 8494-8504, 10.1016/j.tet.2013.07.005, SEP 30 2013.

806.Rafiq, Shahnawaz; Sen, Pratik, Spectroscopic evidence of the presence of an activation barrier in the otherwise barrierless excited state potential energy surface of auramine-O: A femtosecond fluorescence up-conversion study, JOURNAL OF CHEMICAL PHYSICS, 139, 12, 124302 10.1063/1.4821456, SEP 28 2013.

807.Singh, Shiv; Ashfaq, Mohammad; Singh, Rohitashaw Kumar; Joshi, Harish C.; Srivastava, Anurag; Sharma, Ashutosh; Verma, Nishith Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Preparation of surfactant-mediated silver and copper nanoparticles dispersed in hierarchical carbon micro-nanofibers for antibacterial applications, NEW BIOTECHNOLOGY, 30, 6SI, 656-665, SEP 25 2013.

808.Tiwary, C. S.; Kashyap, S.; Biswas, K.; Chattopadhyay, K., Synthesis of pure iron magnetic nanoparticles in large quantity, JOURNAL OF PHYSICS D-APPLIED PHYSICS, 46, 38, 385001, 10.1088/0022-3727/46/38/385001, SEP 25 2013 2013.

809.Wang, Jun; Apte, Pankaj A.; Morris, James R.; Zeng, Xiao Cheng Morris, J/I-4452-2012 Morris, J/0000-0002-8464-9047 Freezing point and solid-liquid interfacial free energy of Stockmayer dipolar fluids: A molecular dynamics simulation study JOURNAL OF CHEMICAL PHYSICS 139 , 11 , 114705 10.1063/1.4821455 , SEP 21 2013.

810. Ansari, Alafia A.; Vankar, Yashwant D., Synthesis of Dihydroxymethyl Dihydroxypyrrolidines and Steviamine Analogues from C-2 Formyl Glycals , JOURNAL OF ORGANIC CHEMISTRY, 78, 18, 9383-9395, 10.1021/jo401631v, SEP 20 2013.

811. Kaushik, Vandana D.; Umarani, J.; Gupta, Amit K.; Gupta, Aman K.; Gupta, P., An efficient indexing scheme for face database using modified geometric hashing, NEUROCOMPUTING, 116SI, 208-221, 10.1016/j.neucom.2011.12.056 SEP 20 2013. 7th International Conference on Intelligent Computing (ICIC) AUG 11-14, 2011 IEEE Computat Intelligence Soc; Int Neural Network Soc; Natl Sci Fdn China Zhengzhou, PEOPLES R CHINA.

812. Tiwari, Kamlesh; Arya, Devendra K.; Badrinath, G. S.; Gupta, Phalguni, Designing palmprint based recognition system using local structure tensor and force field transformation for human identification, NEUROCOMPUTING, 116 SI, 222-230, 10.1016/j.neucom.2011.12.065, SEP 20 2013, 7th International Conference on Intelligent Computing (ICIC) AUG 11-14, 2011 IEEE Computat Intelligence Soc; Int Neural Network Soc; Natl Sci Fdn China Zhengzhou, PEOPLES R CHINA.

813. Sharma, Mohit; Prakash, Surya; Gupta, Phalguni, An efficient partial occluded face recognition system, NEUROCOMPUTING, 116 SI, 231-241, 10.1016/j.neucom.2011.12.063, SEP 20 2013, 7th International Conference on Intelligent Computing (ICIC) AUG 11-14, 2011, IEEE Computat Intelligence Soc; Int Neural Network Soc; Natl Sci Fdn China Zhengzhou, PEOPLES R CHINA.

814. Nirmalkar, N.; Chhabra, R. P.; Poole, R. J., Poole, Robert/B-7960-2008, Poole, Robert/0000-0001-6686-4301 Effect of Shear-Thinning Behavior on Heat Transfer from a Heated Sphere in Yield-Stress Fluids, INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 52, 37, 13490-13504, 10.1021/ie402109k, SEP 18 2013.

815. Phukon, Prabwal; Sarkar, Tapobrata, R-charged black holes and Holographic optics, JOURNAL OF HIGH ENERGY PHYSICS, 9, 102, 10.1007/JHEP09(2013)102 SEP 18 2013.

816. Dutta, Anirban; Anupam; Hossain, Z.; Gupta, Anjan K., A temperature dependent tunneling study of the spin density wave gap in EuFe₂As₂ single crystals, JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 37, 375602, 10.1088/0953-8984/25/37/375602, SEP 18 2013.

817. Sharma, Ajeet K.; Chowdhury, Debashish, First-passage problems in DNA replication: effects of template tension on stepping and exonuclease activities of a DNA polymerase motor, JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 37, 374105, 10.1088/0953-8984/25/37/374105, SEP 18 2013.

818. Saxena, Alok Kumar; Srivastava, Kumar Vaibhav Srivastava, Kumar Vaibhav/B-7106-2014, Stability and dispersion analysis of higher order unconditionally stable three-step locally one-dimensional finite-difference time-domain method IET MICROWAVES ANTENNAS & PROPAGATION, 7, 12, 954-960, 10.1049/iet-map.2013.0195, SEP 17 2013.

- 819.Subrahmanyam, V., Block entropy for Kitaev-type spin chains in a transverse field, PHYSICAL REVIEW A, 88, 3, 032315, 10.1103/PhysRevA.88.032315, SEP 16 2013.
- 820.Karak, S. K.; Majumdar, J. Dutta; Witczak, Z.; Lojkowski, W.; Manna, I., Microstructure and mechanical properties of nano-Y₂O₃ dispersed ferritic alloys synthesized by mechanical alloying and consolidated by hydrostatic extrusion, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 580, 231-241, 10.1016/j.msea.2013.04.085, SEP 15 2013.
- 821.Singh, Tripti; Singhal, Reena, Reuse of a waste adsorbent poly(AAc/AM/SH)-Cu superabsorbent hydrogel, for the potential phosphate ion removal from waste water: Matrix effects, adsorption kinetics, and thermodynamic studies, JOURNAL OF APPLIED POLYMER SCIENCE, 129, 6, 3126-3139, 10.1002/app.39018, SEP 15 2013.
- 822.Yeole, Sachin D.; Sahu, Nityananda; Gadre, Shridhar R., High-Level ab Initio Investigations on Structures and Energetics of N₂O Clusters, JOURNAL OF PHYSICAL CHEMISTRY A, 117, 36SI, 8591-8598, 10.1021/jp402649y , SEP 12 2013.
- 823.Srivastava, Saurabh; Sathyamurthy, N., Ab Initio Potential Energy Curves for the Ground and Low Lying Excited States of NH⁻ and the Effect of 2 Sigma(+/-) States on A-Doubling of the Ground State X-2 pi, JOURNAL OF PHYSICAL CHEMISTRY A, 117, 36SI, 8623-8631, 10.1021/jp4027628, SEP 12 2013.
- 824.Keshavamurthy, Srihari, Eigenstates of Thiophosgene Near the Dissociation Threshold: Deviations From Ergodicity, JOURNAL OF PHYSICAL CHEMISTRY A, 117, 36SI, 8729-8736, 10.1021/jp4033386, SEP 12 2013.
- 825.Goswami, Shyamaprosad; Chakraborty, Shampa; Paul, Sima; Halder, Sandipan; Maity, Annada C., A simple quinoxaline-based highly sensitive colorimetric and ratiometric sensor, selective for nickel and effective in very high dilution, TETRAHEDRON LETTERS, 54, 37, 5075-5077, 10.1016/j.tetlet.2013.07.051, SEP 11 2013.
- 826.Shripal; Dwivedi, Shailja; Singh, Rakesh; Tandon, R. P., EFFECTS OF COPPER DOPING ON DIELECTRIC AND AC CONDUCTIVITY IN LAYERED SODIUM TRI-TITANATE CERAMIC INTERNATIONAL JOURNAL OF MODERN PHYSICS B, 27, 22, 1350114, 10.1142/S0217979213501142, SEP 10 2013.
- 827.Bhattacharyya, Somak; Ghosh, Saptarshi; Srivastava, Kumar Vaibhav Srivastava, Kumar Vaibhav/B-7106-2014 Triple band polarization-independent metamaterial absorber with bandwidth enhancement at X-band , JOURNAL OF APPLIED PHYSICS 114, 9 094514, 10.1063/1.4820569, SEP 7 2013.

828.Dharuman, Suresh; Gupta, Preeti; Kancharla, Pavan K.; Vankar, Yashwant D., Synthesis of 2-Nitroglycals from Glycals Using the Tetrabutylammonium Nitrate-Trifluoroacetic Anhydride-Triethylamine Reagent System and Base-Catalyzed Ferrier Rearrangement of Acetylated 2-Nitroglycals, JOURNAL OF ORGANIC CHEMISTRY, 78, 17, 8442-8450, 10.1021/jo401165y, SEP 6 2013.

829.Rusz, Jan; Bhowmick, Somnath Rusz, Jan/A-3324-2008 Rusz, Jan/0000-0002-0074-1349 Boundaries for Efficient Use of Electron Vortex Beams to Measure Magnetic Properties, PHYSICAL REVIEW LETTERS , 111 , 10 105504, 10.1103/PhysRevLett.111.105504, SEP 6 2013.

830.Kumar, Virendra; Mishra, Rakesh K.; Shukla, Sachin; Mishra, R.; Singh, Monali; Tiwari, Ida; Thapliyal, Kamlesh; Upadhyay, K. K., Synthesis, crystal structure and nuclease activity of a Cu(II) complex having two different co-ordination geometries in the same unit cell, JOURNAL OF MOLECULAR STRUCTURE,1047, 66-72, 10.1016/j.molstruc.2013.04.058, SEP 5 2013.

831.Singh, Sanchit K.; Khandekar, Sameer; Pratap, Dheeraj; Ramakrishna, S. Anantha Ramakrishna, S. Anantha/K-2439-2013 Wetting dynamics and evaporation of sessile droplets on nano-porous alumina surfaces , COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 432 SI , 71, 81, 10.1016/j.colsurfa.2013.04.070 SEP 5 2013.

832.Patel, Aavishkar A.; Sharma, Shraddha; Dutta, Amit, Quench dynamics of edge states in 2-D topological insulator ribbons, EUROPEAN PHYSICAL JOURNAL B, 86, 9, 36710.1140/epjb/e2013-40657-2, SEP 2 2013.

833.Chandrasekhar, Vadapalli; Das, Sourav; Dey, Atanu; Hossain, Sakiat; Lloret, Francesc; Pardo, Emilio, Synthesis, Structure, and Magnetic Properties of a Family of Heterometallic Pentanuclear [Co(4)Ln] (Ln = Gd-III, Dy-III, Tb-III, and Ho-III) Assemblies, EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2013, 25, 4506-4514, 10.1002/ejic.201300413, SEP 2 2013 .

834. Singh, Puneet; Venkatesan, C., Experimental Performance Evaluation of Coaxial Rotors for a Micro Aerial Vehicle, JOURNAL OF AIRCRAFT, 50, 5, 1465-1480, 10.2514/1.C031971, SEP-OCT 2013

835.Bhattacharyya, Somak; Ghosh, Saptarshi; Srivastava, Kumar Vaibhav Srivastava, Kumar Vaibhav/B-7106-2014, BANDWIDTH-ENHANCED METAMATERIAL ABSORBER USING ELECTRIC FIELD-DRIVEN LC RESONATOR FOR AIRBORNE RADAR APPLICATIONS MICROWAVE AND OPTICAL TECHNOLOGY LETTERS 55 , 9, 2131-2137, 10.1002/mop.27786, SEP 2013.

836.Singh, Amit; Vajpeyi, I. N., Comparative study of lumboperitoneal shunt versus ventriculoperitoneal shunt in post meningitis communicating hydrocephalus in children, NEUROLOGY INDIA, 61, 5 , 513-516, 10.4103/0028-3886.121932 SEP-OCT 2013.

837. Shivhare, Mukesh K.; Rao, D. P.; Kaistha, Nitin, Mass transfer studies on split-packing and single-block packing rotating packed beds, CHEMICAL ENGINEERING AND PROCESSING , 71 SI , 115-124 10.1016/j.cep.2013.01.009, SEP 2013.
838. Chakraborty, Shubhadip; Das, Prasanta; Manogaran, Sadasivam; Das, Puspendu K., Das, Prasanta/D-5307-2013, Vibrational spectra of fluorene, 1-methylfluorene and 1,8-dimethylfluorene, VIBRATIONAL SPECTROSCOPY, 68, 162-169, 10.1016/j.vibspec.2013.07.001 , SEP 2013.
839. Sharan, Hariom; Mishra, Aditya Prakash; Mishra, Ritu, Predictors of Surgical Site Infections in Rural Kanpur, India, JOURNAL OF PURE AND APPLIED MICROBIOLOGY, 7, 3, 2309-2314, SEP 2013.
840. Ananth, S. M.; Kushari, A., Quasi-Steady Prediction of Coupled Bending-Torsion Flutter Under Classic Surge, JOURNAL OF APPLIED MECHANICS-TRANSACTIONS OF THE ASME, 80, 5, 051010 10.1115/1.4023617, SEP 2013.
841. Kumar, P. Arun; Rathakrishnan, E., Corrugated Truncated Triangular Tabs for Supersonic Jet Control, JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, 135, 9, 091104, 10.1115/1.4024204 SEP 2013.
842. Sengupta, T. K.; Bhaumik, S.; Bose, Rikhi, Direct numerical simulation of transitional mixed convection flows: Viscous and inviscid instability mechanisms, PHYSICS OF FLUIDS, 25, 9, 094102, 10.1063/1.4821149, SEP 2013.
843. Sachan, Nikhil K.; Pushkar, Seema; Sachan, Anupam K.; Ghosh, S. K., Thermal Stability and Drug-Excipient Compatibility Studies of Peppermint and Caraway Oils for Formulation of Chewable Tablets, A ASIAN JOURNAL OF CHEMISTRY, 25, 11, 5930-5934, SEP 2013.
844. Saha, Bappa; Mukherji, Sutapa, Coupling driven exclusion and diffusion processes on parallel lanes: boundary induced phase transitions and boundary layers, JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, P09004, 10.1088/1742-5468/2013/09/P09004, SEP 2013.
845. Srivastava, Nitish Kumar; Chaturvedi, A. K. Flexible and Dynamic Power Allocation in Broadband Multi-Beam Satellites, IEEE COMMUNICATIONS LETTERS, 17, 9, 1722-1725, 10.1109/LCOMM.2013.080113.130615 , SEP 2013.
846. Parihar, Rashmi; Ganesh, Subramaniam, The SCN1A gene variants and epileptic encephalopathies, JOURNAL OF HUMAN GENETICS, 58, 9, 573-580, 10.1038/jhg.2013.77, SEP 2013.
847. Tiwari, Manoj K.; Guha, Saumyen, Kinetics of the biodegradation pathway of endosulfan in the aerobic and anaerobic environments, CHEMOSPHERE, 93, 3, 567-573, 10.1016/j.chemosphere.2013.07.005, SEP 2013.

848.Lal, Suresh; Gupta, Meenakshi; Kushari, A.; Kapoor, J. C.; Maji, S., Suppression of pool fire in a large enclosure with water mist, INTERNATIONAL JOURNAL OF SPRAY AND COMBUSTION DYNAMICS, 5 , 3, 181-199, SEP 2013.

849.Patel, R. R.; Gupta, Nandini, Effect of humidity on the complex permittivity of epoxy-based nanodielectrics with metal oxide fillers, INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, 23, 6, 846-852, 10.1002/etep.1663, SEP 2013.

850.Rawal, Akhilesh; Tripathi, Sachchida Nand; Michael, Marykutty; Srivastava, Atul K.; Harrison, Richard G., Quantifying the importance of galactic cosmic rays in cloud microphysical processes, JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS 102, 243-251, 10.1016/j.jastp.2013.05.017, SEP 2013.

851.Katiyar, Rashmi; Bag, Dibyendu S.; Nigam, Indira, Radical polymerization of ethyl methacrylate (EMA) in the presence of fullerene (C-60) using triphenylbismuthonium ylide as an initiator and characterization of the synthesized polymers (C-60-EMA) JOURNAL OF POLYMER RESEARCH 20, 9 , 243, 10.1007/s10965-013-0243-0 , SEP 2013.

852.Saxena, Manav; Sarkar, Sabyasachi, Fluorescence imaging of human erythrocytes by carbon nanoparticles isolated from food stuff and their fluorescence enhancement by blood plasma, MATERIALS EXPRESS, 3, 3, 201-209, 10.1166/mex.2013.1126, SEP 2013.

853.Pandey, Rahul; Dutta, Alope K., Analytical one-dimensional current-voltage model for FD SOI MOSFETs including the effect of substrate depletion, SEMICONDUCTORS, 47 , 9, 1224-1231, 10.1134/S1063782613090182, SEP 2013.

854.Badrinath, G. S.; Gupta, Phalguni; Mehrotra, Hunny, Score level fusion of voting strategy of geometric hashing and SURF for an efficient palmprint-based identification, JOURNAL OF REAL-TIME IMAGE PROCESSING, 8, 3SI, 265-284, 10.1007/s11554-011-0229-2, SEP 2013.

855.Karak, S. K.; Majumdar, J. Dutta; Manna, I., Isothermal and non-isothermal oxidation kinetics of nanooxide dispersed high Cr ferritic steel prepared by mechanical alloying, POWDER METALLURGY, 56, 4, 310-316, 10.1179/1743290113Y.0000000056, SEP 2013.

856.Mitra, Keya; Ailawadi, Suresh; Rai, Durgesh C., Initiatives in Educating Future Architects in Earthquake Resistant Design Practices, SEISMOLOGICAL RESEARCH LETTERS, 84, 5, 820-828, 10.1785/0220120173, SEP-OCT 2013.

857.Mishra, Sudib K.; Gur, Sourav; Chakraborty, Subrata, An improved tuned mass damper (SMA-TMD) assisted by a shape memory alloy spring , SMART MATERIALS AND STRUCTURES, 22, 9, 095016, 10.1088/0964-1726/22/9/095016, SEP 2013.

858.Priyanka, Ghosh, Numerical studies on seismic interference of two nearby embedded shallow footings, DISASTER ADVANCES, 6, 9, 19-30, SEP 2013.

859.Patel, Vinay Kumar, Sonoemulsion Synthesis of Long CuO Nanorods with Enhanced Catalytic Thermal Decomposition of Potassium Perchlorate, JOURNAL OF CLUSTER SCIENCE , 24, 3, 821-828 10.1007/s10876-013-0579-y SEP 2013.

860.Ghosh, Bahniman; Bal, Punyasloka; Mondal, Partha A junctionless tunnel field effect transistor with low subthreshold slope, JOURNAL OF COMPUTATIONAL ELECTRONICS, 12, 3 SI, 428-436, 10.1007/s10825-013-0450-2, SEP 2013.

861.Salimath, Akshaykumar; Ghosh, Bahniman , Effect of temperature, electric and magnetic field on spin relaxation in bilayer graphene, JOURNAL OF COMPUTATIONAL ELECTRONICS, 12, 3SI, 448-453, 10.1007/s10825-013-0453-z, SEP 2013.

862.Banerjee, Abhishek; Ghosh, Bahniman, Circularly polarized spin current assisted fast resonant switching in magnetic tunnel junctions with perpendicular anisotropy, JOURNAL OF COMPUTATIONAL ELECTRONICS, 12, 3SI, 476-480, 10.1007/s10825-013-0462-y , SEP 2013.

863.Sahoo, Prativa; Rathore, Ram K. S.; Awasthi, Rishi; Roy, Bhaswati; Verma, Sanjay; Rathore, Divya; Behari, Sanjay; Husain, Mazhar; Husain, Nuzhat; Pandey, Chandra M.; Mohakud, Sudipta; Gupta, Rakesh K., Subcompartmentalization of extracellular extravascular space (EES) into permeability and leaky space with local arterial input function (AIF) results in improved discrimination between high- and low-grade glioma using dynamic contrast-enhanced (DCE) MRI JOURNAL OF MAGNETIC RESONANCE IMAGING, 38, 3, 677-688, 10.1002/jmri.24021, SEP 2013.

864.Tyagi, Jagdish; Kumar, Mithilesh; Lele, H. G.; Munshi, P., Thermal hydraulic analysis of the AHWR-The Indian thorium fuelled innovative nuclear reactor, NUCLEAR ENGINEERING AND DESIGN, 262 21-28, 10.1016/j.nucengdes.2013.03.032, SEP 2013.

865.Dasgupta, Bhaskar; Divya, Kotha; Mehta, Vivek Kumar; Deb, Kalyanmoy, RePAMO: Recursive Perturbation Approach for Multimodal Optimization, ENGINEERING OPTIMIZATION , 45, 9 1073-1090, 10.1080/0305215X.2012.725050, SEP 1 2013.

866.Gupta, Sanjeev; Sen Gupta, Debjyoti; Anjum, Tuba K.; Pratap, Aditya; Kumar, Jitendra, Inheritance and molecular tagging of MYMIV resistance gene in blackgram (Vigna mungo L. Hepper) EUPHYTICA, 193, 1, 27-37, 10.1007/s10681-013-0884-4, SEP 2013.

867.Shyam, Radhe; Sasmal, C.; Chhabra, R. P., Natural convection heat transfer from two vertically aligned circular cylinders in power-law fluids, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 64, 1127-1152, 10.1016/j.ijheatmasstransfer.2013.05.052, SEP 2013.

868. Alvi, P. A.; Lal, Pyare; Yadav, Rashmi; Dixit, Shobhna; Dalela, S., Modal gain characteristics of GRIN-InGaAlAs/InP lasing nano-heterostructures, SUPERLATTICES AND MICROSTRUCTURES 61, 1, 12, 10.1016/j.spmi.2013.05.019, SEP 2013.

869. Kadalbajoo, Mohan K.; Kumar, Alpesh; Tripathi, Lok Pati, Application of radial basis function with L-stable Pade time marching scheme for pricing exotic option, COMPUTERS & MATHEMATICS WITH APPLICATIONS, 66, 4, 500-511, 10.1016/j.camwa.2013.06.002, SEP 2013.

870. Kumari, A.; Das, A.; Devanna, B. N.; Thakur, S.; Singh, P. K.; Singh, N. K.; Sharma, T. R., Mining of rice blast resistance gene Pi54 shows effect of single nucleotide polymorphisms on phenotypic expression of the alleles, EUROPEAN JOURNAL OF PLANT PATHOLOGY, 137, 1, 55-65 10.1007/s10658-013-0216-5, SEP 2013.

871. Libman, Alexander; Herrmann-Pillath, Carsten; Yadav, Gaurav, Are human rights and economic well-being substitutes? The evidence from migration patterns across the Indian states, EUROPEAN JOURNAL OF POLITICAL ECONOMY, 31, 139-164, 10.1016/j.ejpoleco.2013.06.002, SEP 2013.

872. Singh, Deepak; Ramanathan, Gurunath Ramanathan, Gurunath/B-4757-2011 Ramanathan, Gurunath/0000-0003-4627-1677, Biomineralization of 3-nitrotoluene by Diaphorobacter species BIODEGRADATION, 24, 5, 645-655, 10.1007/s10532-012-9612-3, SEP 2013.

873. Gupta, Sushant; Yadav, B. C.; Dwivedi, Prabhat K.; Das, B. Microstructural, optical and electrical investigations of Sb-SnO₂ thin films deposited by spray pyrolysis, MATERIALS RESEARCH BULLETIN, 48, 9, 3315-3322, 10.1016/j.materresbull.2013.05.001, SEP 2013.

874. Gupta, Ankur; Bhargava, A. K.; Tewari, R.; Tiwari, A. N., TEM Studies of Boron-Modified 17Cr-7Ni Precipitation-Hardenable Stainless Steel via Rapid Solidification Route, METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 44A, 9, 4248-4256, 10.1007/s11661-013-1793-9, SEP 2013.

875. Jain, Pratima; Sharma, Shweta; Shukla, R. K., Density and viscosity of tetrabutyl ammonium hydrogen sulphate and tetrabutyl ammonium chloride salts in aqueous and methanolic solution at 303 K PHYSICS AND CHEMISTRY OF LIQUIDS, 51, 5, 547-566, 10.1080/00319104.2012.760084, SEP 1 2013.

876. Gupta, Shailendra Kumar; Sharma, Abhishek; Banerjee, Suman; Gahlot, Radha; Aggarwal, Nikhil; Deepak; Garg, Ashish Garg, Ashish/F-9843-2010 Understanding the role of thickness and morphology of the constituent layers on the performance of inverted organic solar cells, SOLAR ENERGY MATERIALS AND SOLAR CELLS, 116, 135-143, 10.1016/j.solmat.2013.03.027, SEP 2013.

877.Ghorai, S.; Panda, M. K., Bioconvection in an anisotropic scattering suspension of phototactic algae, EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, 41, 81-93, 10.1016/j.euromechflu.2012.07.001, SEP-OCT 2013.

878.Agarwal, Avinash Kumar; Srivastava, Dhananjay Kumar; Dhar, Atul; Maurya, Rakesh Kumar; Shukla, Pravesh Chandra; Singh, Akhilendra Pratap , Effect of fuel injection timing and pressure on combustion, emissions and performance characteristics of a single cylinder diesel engine FUEL, 111, 374-383, 10.1016/j.fuel.2013.03.016, SEP 2013.

879.Roy, Arijit; Manna, I.; Tarafder, S.; Chattoraj, I. Hydrogen interactions with overload in modifying fatigue crack growth rate recovery in an HSLA steel , MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING 579, 9-17, 10.1016/j.msea.2013.04.098, SEP 1 2013.

880.Ramaiah, K. V.; Saikrishna, C. N.; Bhagyaraj, J.; Gouthama; Bhaumik, S. K. Influence of Sc addition on microstructure and transformation behaviour of Ni₂₄.7Ti₅₀.3Pd₂₅.0 high temperature shape memory alloy, INTERMETALLICS, 40, 10-18, 10.1016/j.intermet.2013.03.023, SEP 2013.

881.Sharma, Amit S.; Mishra, Nisha; Biswas, Krishanu; Basu, Bikramjit, Fretting wear study of Cu-10 wt% TiB₂ and Cu-10 wt% TiB₂-10 wt% Pb composites, WEAR, 306, 1-2, 138-148, 10.1016/j.wear.2013.07.009, AUG 30 2013.

882.Choudhary, K.; Margulies, S.; Hicks, I. V. A Note on Total and Paired Domination of Cartesian Product Graphs , ELECTRONIC JOURNAL OF COMBINATORICS, 20, 3, P25, AUG 23 2013 .

883.Dharamshi, Kewal; Pal, Anuj; Agarwal, Avinash Kumar , Comparative investigations of flame kernel development in a laser ignited hydrogen-air mixture and methane-air mixture , INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 38, 25 , 10648 -10653 , 10.1016/j.ijhydene.2013.06.044, AUG 21 2013.

884.Mukherjee, Somdutta; Roy, Amritendu; Auluck, Sushil; Prasad, Rajendra; Gupta, Rajeev; Garg, Ashish Garg, Ashish/F-9843-2010; Gupta, Rajeev/C-8262-2012 Gupta, Rajeev/0000-0002-8328-9780, Room Temperature Nanoscale Ferroelectricity in Magnetoelectric GaFeO₃ Epitaxial Thin Films, PHYSICAL REVIEW LETTERS, 111, 8, 087601, 10.1103/PhysRevLett.111.087601, AUG 21 2013.

885. Paul, Gayatri; Manna, Indranil; Das, Prasanta Kumar, Formation, growth, and eruption cycle of vapor domes beneath a liquid puddle during Leidenfrost phenomena, APPLIED PHYSICS LETTERS, 103, 8, 084101 10.1063/1.4819095, AUG 19 2013.

- 886.Pramanik, Nabendu B.; Bag, Dibyendu S.; Alam, Sarfaraz; Nando, Golok B.; Singha, Nikhil K., Thermally amendable tailor-made functional polymer by RAFT polymerization and "click reaction", JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, 51, 16, 3365+
10.1002/pola.26732, AUG 15 2013.
- 887.Das, Sovan Lal; Mandal, Tanmay; Gupta, S. S. Gupta, Shakti/C-9306-2011, Inextensional vibration of zig-zag single-walled carbon nanotubes using nonlocal elasticity theories , INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, 50, 18, 2792-2797, 10.1016/j.ijsolstr.2013.04.019 , AUG 15 2013 .
- 888.Kumaresan, Yogeenth; Rammohan, Amritha; Dwivedi, Prabhat K.; Sharma, Ashutosh Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Large Area IR Microlens Arrays of Chalcogenide Glass Photoresists by Grayscale Maskless Lithography, ACS APPLIED MATERIALS & INTERFACES , 5, 15, 7094-7100, 10.1021/am401368e , AUG 14 2013.
- 889.Sen Gupta, Debjyoti; Thavarajah, Dil; Knutson, Phil; Thavarajah, Pushparajah; McGee, Rebecca J.; Coyne, Clarice J.; Kumar, Shiv Lentils (Lens culinaris L.), a Rich Source of Folates, JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, 61, 32, 7794-7799, 10.1021/jf401891p, AUG 14 2013
- 890.Thakur, Vijay Kumar; Thakur, Manju Kumari; Gupta, Raju Kumar, Graft copolymers from cellulose: Synthesis, characterization and evaluation, CARBOHYDRATE POLYMERS, 97, 1, 18-25,
10.1016/j.carbpol.2013.04.069, AUG 14 2013.
891. Daw, Prosenjit; Ghatak, Tapas; Doucet, Henri; Bera, Jitendra K., Cyclometalations on the Imidazo [1, 2-a][1,8]naphthyridine Framework, ORGANOMETALLICS, 32, 15, 4306-4313, 10.1021/om4004658, AUG 12 2013.
- 892.Shukla, A. K.; Kumar, R. Suresh; Murty, S. V. S. Narayana; Mondal, K., Enhancement of high temperature ductility of hot-pressed Cu-Cr-Nb alloy by hot rolling, MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING , 577, 36-42, 10.1016/j.msea.2013.04.043, AUG 10 2013.
- 893.Babu, H. Aswath; Wanare, Harshawardhan, Optical instabilities in a three-level Lambda and V system inside a double cavity, PHYSICAL REVIEW A 88, 2, 023814, 10.1103/PhysRevA.88.023814, AUG 9 2013.
- 894.Shakya, Akhilesh Kumar; Holmdahl, Rikard; Nandakumar, Kutty Selva; Kumar, Ashok, Characterization of chemically defined poly-N-isopropylacrylamide based copolymeric adjuvants, VACCINE, 31, 35, 3519-3527, 10.1016/j.vaccine.2013.05.084, AUG 2 2013.

- 895.Singh, Gyanendra; Joshi, P. C.; Hossain, Z.; Budhani, R. C. Reentrant superconductivity in HoNi₅-NbN-HoNi₅ nanostructures, EPL, 103, 4, UNSP 47013, 10.1209/0295-5075/103/47013, AUG 2013.
- 896.Srivastava, Rupesh Kumar; Deb, Kalyanmoy; Tulshyan, Rupesh, An Evolutionary Algorithm Based Approach to Design Optimization Using Evidence Theory, JOURNAL OF MECHANICAL DESIGN 135, 8, 081003 10.1115/1.4024223, AUG 2013.
- 897.Khare, Prateek; Talreja, Neetu; Deva, Dinesh; Sharma, Ashutosh; Verma, Nishith Sharma, Ashutosh/D-1034-2011, Sharma, Ashutosh/0000-0002-2653-0806, Carbon nanofibers containing metal-doped porous carbon beads for environmental remediation applications, CHEMICAL ENGINEERING JOURNAL, 229, 72-81, 10.1016/j.cej.2013.04.113, AUG 1 2013.
- 898.Mittal, Sanjay; Biswas, Gautam, IUTAM symposium on bluff body flows Foreword, JOURNAL OF FLUIDS AND STRUCTURES, 41, SI 1-8, 10.1016/j.jfluidstructs.2013.06.005, AUG 2013.
- 899.Verma, Aekaansh; Desai, Ajinkya; Mittal, Sanjay, Aerodynamics of badminton shuttlecocks JOURNAL OF FLUIDS AND STRUCTURES, 41 SI, 89-98 , 10.1016/j.jfluidstructs.2013.01.009, AUG 2013, IUTAM Symposium on Bluff Body Flows (Blubof) DEC 12-16, 2011, IUTAM, Indian Inst Technol Kanpur, Kanpur, INDIA.
- 900.Navrose; Mittal, Sanjay, Free vibrations of a cylinder: 3-D computations at Re=1000 , JOURNAL OF FLUIDS AND STRUCTURES, 41 SI, 109-118, 10.1016/j.jfluidstructs.2013.02.017, AUG 2013, IUTAM Symposium on Bluff Body Flows (Blubof) DEC 12-16, 2011 IUTAM, Indian Inst Technol Kanpur, Kanpur, INDIA.
- 901.Singh, S. P.; Biswas, G., Vortex induced vibrations of a square cylinder at subcritical Reynolds numbers, JOURNAL OF FLUIDS AND STRUCTURES, 41 SI, 146-155, 10.1016/j.jfluidstructs.2013.03.011, AUG 2013, IUTAM Symposium on Bluff Body Flows (Blubof) DEC 12-16, 2011, IUTAM, Indian Inst Technol Kanpur, Kanpur, INDIA.
- 902.Kumar, Jitendra; Srivastva, Ekata; Singh, Mratunjay, Genetics of early growth vigour in lentil (*Lens culinaris Medik.*), JOURNAL OF GENETICS, 92, 2, 323-326, 10.1007/s12041-013-0257-8, AUG 2013.
903. Gupta, Gaurav; Chaturvedi, A. K., Conditional Entropy Based User Selection for Multiuser MIMO Systems, IEEE COMMUNICATIONS LETTERS, 17, 8, 1628- 1631, 10.1109/LCOMM.2013.070113.131393 , AUG 2013.
- 904.Kumari, Saru; Khan, Muhammad Khurram; Kumar, Rahul, KHAN, MUHAMMAD KHURRAM/E-4836-2014 KHAN, MUHAMMAD KHURRAM/0000-0001-6636-0533, Cryptanalysis and Improvement of 'A Privacy Enhanced Scheme for Telecare Medical Information Systems' JOURNAL OF MEDICAL SYSTEMS, 37, 4, 9952, 10.1007/s10916-013-9952-5 AUG 2013.

905.Kumar, S.; Singh, O., Effect of coolant injection angle and cooling hole dimensions on transpiration cooled gas turbine cycle performance , JOURNAL OF THE ENERGY INSTITUTE, 86, 3, 140-146, 10.1179/1743967112Z.00000000054, AUG 2013.

906.Mandal, Saumen; Katiyar, Monica, Processing and performance of organic insulators as a gate layer in organic thin film transistors fabricated on polyethylene terephthalate substrate, BULLETIN OF MATERIALS SCIENCE, 36, 4, 653-660, 10.1007/s12034-013-0510-z, AUG 2013.

907.Singh, Jitendra Pal; Dixit, Gagan; Srivastava, R. C.; Kumar, Hemant; Agrawal, H. M.; Chand, Prem, Magnetic resonance in superparamagnetic zinc ferrite , BULLETIN OF MATERIALS SCIENCE , 36, 4, 751-754, 10.1007/s12034-013-0528-2, AUG 2013.

908. Singh, Ruchi; Bharadwaj, Parimal K. Coordination Polymers Built with a Linear Bis-Imidazole and Different Dicarboxylates: Unusual Entanglement and Emission Properties, CRYSTAL GROWTH & DESIGN, 13, 8, 3722-3733,10.1021/cg400756z, AUG 2013.

909.Mishra, Ashutosh Kumar; Prajapati, Rajneesh Kumar; Verma, Sandeep, Coordination site discrimination in substituted bioessential purine ligands, INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, 52, 8-9SI, 1041-1046, AUG-SEP 2013.

910.Chandrasekhar, Vadapalli; Narayanan, Ramakirushnan Suriya Narayanan, Suriya/M-2630-2013, Organostannoxane-supported Pd(0) nanoparticles as an efficient catalytic system for alkyne dimerization, INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, 52, 8-9 SI, 1066-1071, AUG-SEP 2013.

911.Sarbajna, Abir; Sadhukhan, Nabanita; Saha, Sayantani; Bera, Jitendra K., Ferrocene-appended anionic N-heterocyclic carbene and its complex with silver(I): Synthesis, structure and catalytic evaluation, INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY , 52, 8-9 SI, 1072-1077, AUG-SEP 2013.

912.Sindhya, Karthik; Miettinen, Kaisa; Deb, Kalyanmoy, A Hybrid Framework for Evolutionary Multi-objective Optimization, IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION, 17, 4, 495-511, 10.1109/TEVC.2012.2204403, AUG 2013.

913.Goyal, Ashish; Sanghi, Rashmi; Misra, A. K.; Shukla, J. B.Goyal, Ashish/E-9727-2013 Goyal, Ashish/0000-0003-1582-3379, A modeling study on the role of fungi in removing inorganic pollutants, MATHEMATICAL BIOSCIENCES, 244, 2, 116-124, 10.1016/j.mbs.2013.04.014, AUG 2013.

914.Kumar, Alok; Biswas, Krishanu; Basu, Bikramjit, On the toughness enhancement in hydroxyapatite-based composites, ACTA MATERIALIA, 61, 14, 5198-5215, 10.1016/j.actamat.2013.05.013, AUG 2013.

915.Omar, Shobit; Nino, Juan C. Consistency in the chemical expansion of fluorites: A thermal revision of the doped ceria, ACTA MATERIALIA, 61, 14, 5406-5413, 10.1016/j.actamat.2013.05.029, AUG 2013.

916.Singh, Swatantra P.; Bose, Purnendu; Guha, Saumyen; Gurjar, Suresh K.; Bhalekar, Santosh , Impact of addition of amendments on the degradation of DDT and its residues partitioned on soil, CHEMOSPHERE, 92, 7, 811-820, 10.1016/j.chemosphere.2013.04.025, AUG 2013.

917.Kumar, Bhupesh; Patel, S. K. S.; Gajbhiye, N. S.; Thareja, Raj K. Random laser action with nanostructures in a dye solution, JOURNAL OF LASER APPLICATIONS, 25, 4, UNSP 042012, 10.2351/1.4809615, AUG 2013.

918.Gupta, Tarun; Mandariya, Anil, Sources of submicron aerosol during fog-dominated wintertime at Kanpur , ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 20,8 , 5615- 5629, 10.1007/s11356-013-1580-6, AUG 2013.

919.Jacob, Tony; Bansal, Rakesh K., Almost Sure Optimality of Sliding Window Lempel-Ziv Algorithm and Variants Revisited, IEEE TRANSACTIONS ON INFORMATION THEORY , 59, 8, 4977-4984, 10.1109/TIT.2013.2259291, AUG 2013.

920.Gautam, Anirudh; Agarwal, Avinash Kumar, Experimental investigations of comparative performance, emission and combustion characteristics of a cottonseed biodiesel-fueled four-stroke locomotive diesel engine , INTERNATIONAL JOURNAL OF ENGINE RESEARCH, 14, 4, 354- 372 10.1177/1468087412458215 AUG 2013.

921.Dutta, Joydeep; Deb, Kalyanmoy; Tulshyan, Rupesh; Arora, Ramnik, Approximate KKT points and a proximity measure for termination , JOURNAL OF GLOBAL OPTIMIZATION , 56, 4SI, 1463 1499, 10.1007/s10898-012-9920-5, AUG 2013, 8th International Tri-Annual Conference on Optimization - Techniques and Applications (ICOTA) DEC 10-13, 2010 Fudan Univ, Sch Management Shanghai, PEOPLES R CHINA.

922.Nath, Subhasisa; Manna, Indranil; Majumdar, Jyotsna Dutta , Compositionally Graded Thermal Barrier Coating by Hybrid Thermal Spraying Route and its Non-isothermal Oxidation Behavior JOURNAL OF THERMAL SPRAY TECHNOLOGY, 22, 6, 901-917, 10.1007/s11666-013-9937-4, AUG 2013.

923.Chowdhury, Debashish, Stochastic mechano-chemical kinetics of molecular motors: A multidisciplinary enterprise from a physicist's perspective , PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS, 529, 1, 1, 197 , 10.1016/j.physrep.2013.03.005, AUG 1 2013.

924.Surender, Rajendran; Mahendran, Arunjunai Raj; Alam, Sarfaraz; Vijayakumar, Chinnaswamy Thangavel, Indane-based bismaleimide and cloisite 15a nanoclay blends: Kinetics of thermal curing and degradation of particulate nanocomposites , POLYMER COMPOSITES, 34, 8, 1279-1297, 10.1002/pc.22538, AUG 2013.

925.Rajput, Nitul S.; Singh, Abhishek K.; Verma, Harish C. Beam scanning effect on focused-ion-beam-induced processing, RADIATION EFFECTS AND DEFECTS IN SOLIDS, 168, 7-8 SI, 472-476, 10.1080/10420150.2012.761994, AUG 1 2013.

926.Orlando, M. Felix; Dutta, Ashish; Saxena, Anupam; Behera, Laxmidhar; Tamei, Tomoya; Shibata, Tomohiro, Manipulability analysis of human thumb, index and middle fingers in cooperative 3D rotational movements of a small object, 5, ROBOTICA, 31, 797-809, 10.1017/S0263574713000064, AUG 2013.

927.Chaturvedi, Saurabh K.; Rai, Yogita; Chourasia, Ankita; Goel, Puneet; Paliwal, Vimal K.; Garg, Ravindra K.; Rathore, Ram Kishore S.; Pandey, Chandra M.; Gupta, Rakesh K., Comparative assessment of therapeutic response to physiotherapy with or without botulinum toxin injection using diffusion tensor tractography and clinical scores in term diplegic cerebral palsy children, BRAIN & DEVELOPMENT 35, 7, 647-653, 10.1016/j.braindev.2012.10.012 AUG 2013.

928.Goyal, Pawan; Behera, Laxmidhar; McGinnity, Thomas Martin, A Context-Based Word Indexing Model for Document Summarization, IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING, 25, 8, 1693-1705, 10.1109/TKDE.2012.114, AUG 2013.

929.Jishnu, R. B.; Naik, S. P.; Patra, N. R.; Malik, J. N. Ground response analysis of Kanpur soil along Indo-Gangetic Plains, SOIL DYNAMICS AND EARTHQUAKE ENGINEERING , 51, 47-57, 10.1016/j.soildyn.2013.04.001, AUG 2013.

930.Shukla, J. B.; Goyal, Ashish; Agrawal, Kapil; Kushwah, Harsh; Shukla, Ajay Goyal, Ashish/E-9727-2013 Goyal, Ashish/0000-0003-1582-3379 Role of technology in combating social crimes: A modeling study , 4, EUROPEAN JOURNAL OF APPLIED MATHEMATICS, 24 501-514, 10.1017/S0956792513000065, AUG 2013.

931. Singh, Deepti; Zo, Sun Mi; Kumar, Ashok; Han, Sung Soo, Engineering three-dimensional macroporous hydroxyethyl methacrylate-alginate-gelatin cryogel for growth and proliferation of lung epithelial cells , JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION , 24 11 1343-1359, 10.1080/09205063.2012.759505, AUG 1 2013.
932. Nath, D.; Majumdar, R.; Kalra, M. S. Thermonuclear Fusion Reactivities for Drifting Tri-Maxwellian Ion Velocity Distributions , JOURNAL OF FUSION ENERGY, 32, 4 , 457-463 10.1007/s10894-013-9594-0, AUG 2013 .
933. Mantri, Prachi; Rizvi, S. M. H.; Mazhari, B. Estimation of built-in voltage from steady-state current-voltage characteristics of organic diodes, ORGANIC ELECTRONICS, 14, 8, 2034-2038 10.1016/j.orgel.2013.04.030, AUG 2013.
934. Sasmal, C.; Shyam, Radhe; Chhabra, R. P. Laminar flow of power-law fluids past a hemisphere: Momentum and forced convection heat transfer characteristics, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 63, 51-64, 10.1016/j.ijheatmasstransfer.2013.03.059 AUG 2013.
935. Saravanan, Prabakaran; Satyanarayana, Nalam; Sinha, Sujeet K. Wear durability study on self-lubricating SU-8 composites with perfluoropolyther, multiply-alkylated cyclopentane and base oil as the fillers, TRIBOLOGY INTERNATIONAL , 64,103-115, 10.1016/j.triboint.2013.02.033, AUG 2013.
936. Yadav, Rakesh; Kushari, A.; Verma, Atul K.; Eswaran, V. Weighted Sum of Gray Gas Modeling for Nongray Radiation in Combusting Environment Using the Hybrid Solution Methodology NUMERICAL HEAT TRANSFER PART B-FUNDAMENTALS, 64, 2, 174-197 10.1080/10407790.2013.784147, AUG 1 2013.
937. Jain, Sachin K.; Singh, S. N.; Singh, J. G. An Adaptive Time-Efficient Technique for Harmonic Estimation of Nonstationary Signals, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS 60, 8, 3295-3303, 10.1109/TIE.2012.2200218, AUG 2013.
938. Das, Dipak Kumar; Makhal, Krishnandu; Singhal, Sumit; Goswami, Debabrata Goswami, Debabrata/A-9347-2009 Goswami, Debabrata/0000-0002-2052-0594 Polarization induced control of multiple fluorescence from a molecule, CHEMICAL PHYSICS LETTERS, 579, 45-50 10.1016/j.cplett.2013.06.027, JUL 30 2013.
939. Sensarma, S.; Paul, Debajyoti; Rao, N. V. Chalapathi, Large igneous provinces - global perspectives and prospects in India, CURRENT SCIENCE, 105, 2, 182-192, JUL 25 2013.

940. Chatterjee, Anindya, Better rank assignment in multiple-choice entrance exams, *CURRENT SCIENCE*, 105, 2, 193-200, JUL 25 2013.
941. Srivastava, Sudhir; Perlekar, Prasad; Boonkkamp, Jan H. M. ten Thije; Verma, Nishith; Toschi, Federico, Axisymmetric multiphase lattice Boltzmann method, *PHYSICAL REVIEW E*, 88, 1, 013309, 10.1103/PhysRevE.88.013309, JUL 25 2013.
942. Caprara, S.; Biscaras, J.; Bergeal, N.; Bucheli, D.; Hurand, S.; Feuillet-Palma, C.; Rastogi, A.; Budhani, R. C.; Lesueur, J.; Grilli, M. Rastogi, Ankur/G-5311-2010; Caprara, Sergio/M-7683-2013; Grilli, Marco/C-6309-2009 Rastogi, Ankur/0000-0002-4056-9088; Caprara, Sergio/0000-0001-8041-3232; Grilli, Marco/0000-0001-5607-7996, Multiband superconductivity and nanoscale inhomogeneity at oxide interfaces, *PHYSICAL REVIEW B*, 88, 2, 020504, 10.1103/PhysRevB.88.020504, JUL 22 2013.
943. Rout, Subhrajit; Ray, Sumit K.; Singh, Vinod K. Enantioselective Mukaiyama-Michael with 2-enoyl pyridine N-oxides catalyzed by PYBOX-DIPH-Zn(II)-complexes at ambient temperature, *ORGANIC & BIOMOLECULAR CHEMISTRY*, 11, 27, 4537-4545, 10.1039/c3ob40445e, JUL 21 2013.
944. Bhaumik, Swagata; Sengupta, Soumyo; Sengupta, Aditi, Wave properties of fourth-order fully implicit Runge-Kutta time integration schemes, *COMPUTERS & FLUIDS*, 81, 110-121, 10.1016/j.compfluid.2013.04.007, JUL 20 2013.
945. Ghosh, Suddhasheel; Lohani, Bharat, Mining lidar data with spatial clustering algorithms *INTERNATIONAL JOURNAL OF REMOTE SENSING*, 34, 14, 5119-5135, 10.1080/01431161.2013.787499, JUL 20 2013.
946. Ghorai, Manas K.; Tiwari, Deo Prakash; Jain, Nikita, Lewis Acid Catalyzed S(N)²-Type Ring Opening of N-Activated Aziridines with Electron-Rich Arenes/Heteroarenes, *JOURNAL OF ORGANIC CHEMISTRY*, 78, 14, 7121-7130, 10.1021/jo401028j, JUL 19 2013.
947. Jagtap, Rahul; Kaistha, Nitin; Luyben, William L. External Reset Feedback for Constrained Economic Process Operation, *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*, 52, 28, 9654-9664, 10.1021/ie401024k, JUL 17 2013.
948. Mandal, Partha Sarathi; Banerjee, Malay, Stochastic persistence and stability analysis of a modified Holling-Tanner model, *MATHEMATICAL METHODS IN THE APPLIED SCIENCES*, 36, 10, 1263-1280, 10.1002/mma.2680, JUL 15 2013.

949.Kaushal, Manish; Joshi, Yogesh M. Tailoring relaxation time spectrum in soft glassy materials, JOURNAL OF CHEMICAL PHYSICS 139, 2, 024904, 10.1063/1.4812838, JUL 14 2013.

950.Islam, Sk Firoz, MODULATION EFFECT ON SPIN HALL RESONANCE MODERN PHYSICS LETTERS B, 27, 17, 1350129, 10.1142/S0217984913501297, JUL 10 2013.

951.Kumar, Devendra; Rajeev, K. P.; Alonso, J. A.; Martinez-Lope, M. J. Rajeev, KP/A-5685-2010, Spin-canted magnetism and decoupling of charge and spin ordering in NdNiO₃, PHYSICAL REVIEW B 88, 1, 014410 10.1103/PhysRevB.88.014410, JUL 10 2013.

952.Hatui, Goutam; Nayak, Ganesh Chandra; Das, Chapal Kumar; Yadaw, Samar B. Modification of MWCNT and its effect on ABS/LCP blend system , JOURNAL OF APPLIED POLYMER SCIENCE, 129, 1, 57-64, 10.1002/app.38684, JUL 5 2013.

953.Ahmad, Hakeem Abrar; Nayak, Debabrata; Panda, Siddhartha, Temperature sensitivities of doped polyaniline nanoscale films on flexible substrates , JOURNAL OF APPLIED POLYMER SCIENCE 129, 1, 230-237, 10.1002/app.38720, JUL 5 2013.

954.Rahimi, Mahshid; Singh, Jayant K.; Babu, Deepu J.; Schneider, Joerg J.; Mueller-Plathe, Florian, Muller-Plathe, Florian/A-1922-2010; Singh, Jayant/A-1820-2011, Understanding Carbon Dioxide Adsorption in Carbon Nanotube Arrays: Molecular Simulation and Adsorption Measurements, JOURNAL OF PHYSICAL CHEMISTRY C 117, 26, 13492-13501, 10.1021/jp403624c, JUL 4 2013.

955. Shukla, Dhara; Vankar, Padma S. Natural Dyeing with Black Carrot: New Source for Newer Shades on Silk, JOURNAL OF NATURAL FIBERS, 10, 3, 207-218, 10.1080/15440478.2012.757031, JUL 3 2013.

956.Nandi, A. K.; Deb, K.; Datta, S. Genetic Algorithm-Based Design and Development of Particle-Reinforced Silicone Rubber for Soft Tooling Process , MATERIALS AND MANUFACTURING PROCESSES, 28, 7SI, 753-760 , 10.1080/10426914.2013.773022, JUL 3 2013.

957.Tutum, Cem C.; Deb, Kalyanmoy; Hattel, Jesper H. Multi-Criteria Optimization in Friction Stir Welding Using a Thermal Model with Prescribed Material Flow, MATERIALS AND MANUFACTURING PROCESSES, 28, 7 SI, 816-822, 10.1080/10426914.2012.736654 JUL 3 2013.

958. Biswas, Tutul; Ghosh, Tarun Kanti, Phonon-drag thermopower and hot-electron energy-loss rate in a Rashba spin-orbit coupled two-dimensional electron system, JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 26, 265301, 10.1088/0953-8984/25/26/265301, JUL 3 2013.

959. Paramanik, U. B.; Das, Debarchan; Prasad, R.; Hossain, Z. Reentrant superconductivity in $\text{Eu}(\text{Fe}_{1-x}\text{Ir}_x)_2\text{As}_2$ JOURNAL OF PHYSICS-CONDENSED MATTER, 25, 26, 265701, 10.1088/0953-8984/25/26/265701, JUL 3 2013.

960. Sengupta, Nandita; Sen, Jaydeep; Sil, Jaya; Saha, Moumita, Designing of on line intrusion detection system using rough set theory and Q-learning algorithm, NEUROCOMPUTING, 111, 161-168 10.1016/j.neucom.2012.12.023, JUL 2 2013.

961. Anwar, M.; Asfer, M.; Akhter, S.; Mohapatra, S.; Warsi, M. H.; Jain, N.; Mallick, N.; Jain, G. K.; Ali, A.; Panigrahi, P. K.; Ahmad, F. J. AQUEOUS PHASE TRANSFER OF OLEIC ACID COATED IRON OXIDE NANOPARTICLES: INFLUENCE OF SOLVENTS AND SURFACTANTS ON STABILITY AND PHARMACEUTICAL APPLICATIONS OF FERROFLUID MAGNETOHYDRODYNAMICS 49, 3-4 SI, 339-343, JUL-DEC 2013.

962. Bajpai, Indu; Balani, Kantesh; Basu, Bikramjit, Spark Plasma Sintered HA- Fe_3O_4 -Based Multifunctional Magnetic Biocomposites, JOURNAL OF THE AMERICAN CERAMIC SOCIETY 96, 7, 2100-2108, 10.1111/jace.12386, JUL 2013.

963. Bhat, Sumrita; Lidgren, Lars; Kumar, Ashok, In Vitro Neo-Cartilage Formation on a Three-Dimensional Composite Polymeric Cryogel Matrix, MACROMOLECULAR BIOSCIENCE, 13, 7, 827-837, 10.1002/mabi.201200484, JUL 2013.

964. Tripathi, Anuj; Vishnoi, Tanushree; Singh, Deepti; Kumar, Ashok, Modulated Crosslinking of Macroporous Polymeric Cryogel Affects In Vitro Cell Adhesion and Growth, MACROMOLECULAR BIOSCIENCE, 13, 7, 838-850, 10.1002/mabi.201200398, JUL 2013.

965. Pandey, Preeti; Pandey, S.; Dubey, Shaifali, Mutual Amide Prodrug of Etodolac-glucosamine: Synthesis, Characterization and Pharmacological Screening, INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, 75, 4, 406-412, 10.4103/0250-474X.119813, JUL-AUG 2013.

966. Das, Sambit; Chatterjee, Anindya, Simple Recipe for Accurate Solution of Fractional Order Equations, JOURNAL OF COMPUTATIONAL AND NONLINEAR DYNAMICS, 8, 3, 031007, 10.1115/1.4023009, JUL 2013.

967.Nandi, Goutam; Sarkar, Sabyasachi, Synthesis and Spectral and Electrochemical Studies of a Series of Oxo-Tungsten(V) Porphyrins , EUROPEAN JOURNAL OF INORGANIC CHEMISTRY, 2013, 20, 3518-3525, 10.1002/ejic.201300154, JUL 2013.

968.Kumar, A.; Kumar, S.; Khan, N. M.; Mishra, S. Course of insight in manic episode, JOURNAL OF POSTGRADUATE MEDICINE, 59, 3, 186-189, 10.4103/0022-3859.118035, JUL-SEP 2013.

969. Verma, Mahendra K.; Yadav, Rakesh K. verma, mahendra/G-4041-2013 verma, mahendra/0000-0002-3380-4561, Supercriticality to subcriticality in dynamo transitions PHYSICS OF PLASMAS, 20, 7 072307 10.1063/1.4813261, JUL 2013.

970.Bhuyan, Jagannath; Sarkar, Sabyasache, NO₂-induced synthesis of nitrate-iron (III) porphyrin with diverse coordination mode and the formation of isoporphyrin, JOURNAL OF CHEMICAL SCIENCES 125, 4, 707-714 , JUL 2013.

971.Mohapatra, Balaram; Verma, Sandeep, Crystal Engineering with Modified 2-Aminopurine and Group 12 Metal, CRYSTAL GROWTH & DESIGN, 13, 7, 2716-2721, 10.1021/cg4006168, JUL 2013.

972.Mallya, Ganeshchandra; Tripathi, Shivam; Kirshner, Sergey; Govindaraju, Rao S. Probabilistic Assessment of Drought Characteristics Using Hidden Markov Model , JOURNAL OF HYDROLOGIC ENGINEERING, 18, 7SI, 834-845, 10.1061/(ASCE)HE.1943-5584.0000699, JUL 1 2013.

973.Mahendran, Rajagopalan; Bhattacharya, Prashant Kumar, Preparation and characterization of positively charged polysulfone nanofiltration membranes , JOURNAL OF POLYMER ENGINEERING 33, 4, 369-376, 10.1515/polyeng-2013-0007, JUL 2013.

974.Swamy, G. Venkat; Pandey, Himanshu; Srivastava, A. K.; Dalai, M. K.; Maurya, K. K.; Rashmi; Rakshit, R. K.Pandey, Himanshu/A-5862-2012; Maurya, Kamlesh /A-9484-2012 Pandey, Himanshu/0000-0002-7380-366X; Effect of thermal annealing on Boron diffusion, micro-structural, electrical and magnetic properties of laser ablated CoFeB thin films , AIP ADVANCES, 3, 7, 072129, 10.1063/1.4816811JUL 2013.

975.Santra, Atanu; Senkovska, Irena; Kaskel, Stefan; Bharadwaj, Parimal K. Gas Storage in a Partially Fluorinated Highly Stable Three-Dimensional Porous Metal-Organic Framework, INORGANIC CHEMISTRY, 52, 13, 7358-7366, 10.1022/ic302645r, JUL 1 2013.

976.Ray, Bahni; Bandyopadhyay, Dipankar; Sharma, Ashutosh; Joo, Sang Woo; Qian, Shizhi; Biswas, Gautam Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806 Long-wave interfacial instabilities in a thin electrolyte film undergoing coupled electrokinetic flows: a nonlinear analysis , MICROFLUIDICS AND NANOFUIDICS, 15, 1, 19-33, 10.1007/s10404-012-1122-4 , JUL 2013.

977.Panda, M. K.; Ghorai, S. Penetrative phototactic bioconvection in an isotropic scattering suspension
PHYSICS OF FLUIDS, 25, 7, 071902 10.1063/1.4813402, JUL 2013.

978.Kulkarni, Chaitanya D.; Verma, Ashok K.; Kanaujia, Reeta, A rare case of hemilingular abscess in a
17-year-old girl: the ease of ultrasound and the advantage of MRI JAPANESE JOURNAL OF
RADIOLOGY, 31, 7, 491-495, 10.1007/s11604-013-0198-4, JUL 2013.

979.Samal, Sumanta; Biswas, Krishanu, Novel high-strength NiCuCoTiTa alloy with plasticity,
JOURNAL OF NANOPARTICLE RESEARCH, 15, 7, UNSP 1783, 10.1007/s11051-013-1783-2, JUL
2013.

980.Singh, Poorva; Bala, Anu; Nautiyal, Tashi; Auluck, Sushil, An insight into evolution of electronic,
magnetic, optical, and vibrational properties of ultrathin Pd nanowires, JOURNAL OF NANOPARTICLE
RESEARCH, 15, 7, UNSP 1784, 10.1007/s11051-013-1784-1, JUL 2013.

981.Maw, David, 'STRUGGLING BUT FAILING TO MASK': THE MUSIC OF MARK R. TAYLOR
TEMPO, 265, 2, 15, 10.1017/S0040298213000429, JUL 2013.

982.Kumar, D.; Yadaw, A. S.; Kadalbajoo, M. K. A Parameter-uniform Method for Two Parameters
Singularly Perturbed Boundary Value Problems via Asymptotic Expansion , APPLIED MATHEMATICS
& INFORMATION SCIENCES, 7, 4 , 1525-1532 , JUL 2013.

983.Patnaik, Saroj K.; Raju, Uma; Garg, A. Childhood Narcolepsy- A Rare Disorder , INDIAN
JOURNAL OF PEDIATRICS, 80, 7, 611-612,10.1007/s12098-012-0873-y, JUL 2013.

984.Soren, K. R.; Padaria, Jasdeep C.; Singh, Aqbal, Isolation and characterization of symbiotically
defective pyrimidine and amino acid auxotroph of Mesorhizobium ciceri in chickpea , JOURNAL OF
ENVIRONMENTAL BIOLOGY, 34, 4, 793-797, JUL 2013.

985.Dubey, Ashutosh Kumar; Agrawal, Parnika; Misra, R. Devesh Kumar; Basu, Bikramjit , Pulsed
electric field mediated in vitro cellular response of fibroblast and osteoblast-like cells on conducting
austenitic stainless steel substrate , JOURNAL OF MATERIALS SCIENCE-MATERIALS IN
MEDICINE, 24, 7, 1789-1798, 10.1007/s10856-013-4921-6, JUL 2013.

986.Biswas, Krishanu; Sharma, Amit S.; Basu, Bikramjit , On the densification mechanisms and properties
of Cu-Pb and Cu-Pb-TiB₂ nanocomposites densified using spark plasma sintering, SCRIPTA
MATERIALIA, 69, 2 , 122-126, 10.1016/j.scriptamat.2013.02.046, JUL 2013.

987. Philip, Anijamol T.; Chacko, Shibin; Ramapanicker, Ramesh, Unusual Reactions of the 1, 3-Dithiane Derivative of the Garner Aldehyde and Related Compounds, SYNTHESIS-STUTTGART, 45 14, 1997-2002, 10.1055/s-0033-1338874, JUL 2013.

988. Jagtap, Rahul; Kaistha, Nitin; Skogestad, Sigurd, Economic Plantwide Control over a Wide Throughput Range: A Systematic Design Procedure, AICHE JOURNAL , 59, 7, 2407-2426 10.1002/aic.14028, JUL 2013.

989. Bhattacharjee, Shayak, Rotating frame analysis of rigid body dynamics in space phasor variables AMERICAN JOURNAL OF PHYSICS , 81, 7, 518-526 , 10.1119/1.4803531, JUL 2013.

990. Ghosh, Tushar K.; Nair, Nisanth N. Nair, Nisanth/E-2654-2014, Rh1/-Al2O3 Single-Atom Catalysis of O2 Activation and CO Oxidation: Mechanism, Effects of Hydration, Oxidation State, and Cluster Size, CHEMCATCHEM, 5, 7, 1811 1821, 10.1002/cctc.201200799, JUL 2013.

991. Singh, Prabhpreet; Menard-Moyon, Cecilia; Battigelli, Alessia; Toma, Francesca Maria; Raya, Jesus; Kumar, Jitendra; Nidamanuri, Nagapradeep; Verma, Sandeep; Bianco, Alberto Singh, Prabhpreet/A-1013-2010 Double Functionalization of Carbon Nanotubes with Purine and Pyrimidine Derivatives CHEMISTRY-AN ASIAN JOURNAL, 8, 7, 1472-1481, 10.1002/asia.201300116 , JUL 2013.

992. Yadav, Veejendra K.; Narhe, Bharat D.; Kumar, Kamlesh; Hulikal, Vijaykumar , A Route to 2-Alkenyl-3-(tert-butylidiphenylsilyl)amines and Application to the Construction of a Tricyclic Ring System EUROPEAN JOURNAL OF ORGANIC CHEMISTRY , 19, 4163-4174 , 10.1002/ejoc.201300319 JUL 2013.

993. Jayaraman, Umarani; Prakash, Surya; Gupta, Phalguni, Use of geometric features of principal components for indexing a biometric database , MATHEMATICAL AND COMPUTER MODELLING, 58, 1-2, 147-164, 10.1016/j.mcm.2012.06.005, JUL 2013.

994. Kumar, Rakesh; Ghosh, A. K.; Misra, Ajay , Parameter Estimation from Flight Data of Hansa-3 Aircraft Using Quasi-Steady Stall Modeling, JOURNAL OF AEROSPACE ENGINEERING, 26, 3, 544-554, 10.1061/(ASCE)AS.1943-5525.0000155, JUL 1 2013.

995. Laxman, Vaitla; Venkatesan, C.; Byun, Yung Hwan , Influence of Blade Geometric Parameters on Aeroelastic Response of a Helicopter Rotor System , JOURNAL OF AEROSPACE ENGINEERING, 26 3, 555-570, 10.1061/(ASCE)AS.1943-5525.0000168, JUL 1 2013.

- 996.Sami, Haider; Kumar, Ashok, Tunable hybrid cryogels functionalized with microparticles as supermacroporous multifunctional biomaterial scaffolds, *JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION*, 24, 10, 1165-1184, 10.1080/09205063.2012.743062, JUL 1 2013.
- 997.Ahmed, Faez; Deb, Kalyanmoy, Multi-objective optimal path planning using elitist non-dominated sorting genetic algorithms, *SOFT COMPUTING*, 17, 7SI, 1283-1299, 10.1007/s00500-012-0964-8, JUL 2013.
- 998.Fondevilla, S.; Chattopadhyay, C.; Khare, N.; Rubiales, D. Erysiphe trifolii is able to overcome er1 and Er3, but not er2, resistance genes in pea, *EUROPEAN JOURNAL OF PLANT PATHOLOGY*, 136, 3, 557-563, 10.1007/s10658-013-0187-6, JUL 2013.
- 999.Singh, D. K.; Pandey, D. K.; Yadav, R. R.; Singh, Devraj, A study of ZnO nanoparticles and ZnO-EG nanofluid, *JOURNAL OF EXPERIMENTAL NANOSCIENCE*, 8, 5, 567-577, 10.1080/17458080.2011.602369, JUL 1 2013.
1000. Chakraborty, Sagar; Sarkar, Amartya, Parametrically excited non-linearity in Van der Pol oscillator: Resonance, anti-resonance and switch, *PHYSICA D-NONLINEAR PHENOMENA*, 254, 24-28, 10.1016/j.physd.2013.03.008, JUL 1 2013.
- 1001.Jain, Shilpee; Webster, Thomas J.; Sharma, Ashutosh; Basu, Bikramjit Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Intracellular reactive oxidative stress, cell proliferation and apoptosis of Schwann cells on carbon nanofibrous substrates, *BIOMATERIALS*, 34, 21, 4891-4901, 10.1016/j.biomaterials.2013.03.055, JUL 2013.
- 1002.Patel, Adarsh; Jagannatham, Aditya K. Non-Antipodal Signaling Based Robust Detection for Cooperative Spectrum Sensing in MIMO Cognitive Radio Networks, *IEEE SIGNAL PROCESSING LETTERS*, 20, 7, 661-664, 10.1109/LSP.2013.2261985, JUL 2013.
- 1003.Mukhopadhyay, Suparno; Gupta, Vinay K. Directivity pulses in near-fault ground motions-I: Identification, extraction and modeling, *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING* 50, 1, 15, 10.1016/j.soildyn.2013.02.017, JUL 2013.
- 1004.Mukhopadhyay, Suparno; Gupta, Vinay K. Directivity pulses in near-fault ground motions-II: Estimation of pulse parameters, *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING* 50, 38, 52, 10.1016/j.soildyn.2013.02.019, JUL 2013.

1005. Verma, Sumit; Rehman, Tafizur; Chatterjee, Abhijit Chatterjee, Abhijit/G-6421-2013
A cluster expansion model for rate constants of surface diffusion processes on Ag, Al, Cu, Ni, Pd and Pt(100) surfaces , SURFACE SCIENCE, 613, 114-125, 10.1016/j.susc.2013.03.022 JUL 2013.
1006. Yadav, B. C.; Yadav, R. C.; Singh, Satyendra; Dwivedi, Prabhat K.; Ryu, Hojin; Kang, Sukmin, Nanostructured cobalt oxide and cobalt titanate thin films as optical humidity sensor: A new approach, OPTICS AND LASER TECHNOLOGY, 49, 68-74, 10.1016/j.optlastec.2012.12.011 , JUL 2013.
1007. Shukla, Shrawan Kumar; Maithani, Arun; Srivastava, Deepak , A Study on the Influence of the Temperature on the Formation of Cardanol-Based Phenolic Resin , INTERNATIONAL JOURNAL OF CHEMICAL KINETICS, 45, 7, 469-476, 10.1002/kin.20785, JUL 2013.
1008. Bhute, Vijesh J.; Chatterjee, Abhijit, Building a kinetic Monte Carlo model with a chosen accuracy, JOURNAL OF CHEMICAL PHYSICS, 138, 24 , 244112, 10.1063/1.4812319, JUN 28 2013.
1009. Singh, Vinay Kumar; Mazhari, Baquer, Measurement of threshold voltage in organic thin film transistors, APPLIED PHYSICS LETTERS, 102, 25, 253304, 10.1063/1.4812191 , JUN 24 2013.
1010. Tripathi, Durgesh C.; Mohapatra, Y. N. Diffusive capacitance in space charge limited organic diodes: Analysis of peak in capacitance-voltage characteristics , APPLIED PHYSICS LETTERS 102, 25 , 253303, 10.1063/1.4812487, JUN 24 2013.
1011. Surender, R.; Mahendran, A.; Thamarachelvan, A.; Alam, S.; Vijayakumar, C. T. Model free kinetics-Thermal degradation of bisphenol A based polybismaleimide-cloisite 15a nanocomposites THERMOCHIMICA ACTA, 562, 11-21, 10.1016/j.tca.2013.03.037, JUN 20 2013.
1012. Mondal, Kunal; Kumar, Jitendra; Sharma, Ashutosh Sharma, Ashutosh/D-1034-2011; Mondal, Kunal/D-6827-2013 Sharma, Ashutosh/0000-0002-2653-0806; Mondal, Kunal/0000-0003-1665-7755 Self-organized macroporous thin carbon films for supported metal catalysis , COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, 427 , 83-94 10.1016/j.colsurfa.2013.03.024 , JUN 20 2013.
1013. Molleti, Nagaraju; Allu, Suresh; Ray, Sumit K.; Singh, Vinod K. Bifunctional chiral urea catalyzed highly enantioselective Michael addition of cyclic 1,3-dicarbonyl compounds to 2-enoylpyridines TETRAHEDRON LETTERS, 54, 25, 3241-3244, 10.1016/j.tetlet.2013.04.003, JUN 19 2013.
1014. Raj, Michael Ruby; Anandan, Sambandam; Solomon, Rajadurai Vijay; Venuyanalingam, Ponnambalam; Iyer, S. Sundar Kumar; Ashokkumar, Muthupandian Anandan, Sambandam/C-8533-2013; Rajadurai, Vijay Solomon/D-8348-2014 Anandan, Sambandam/0000-0002-3996-4910; Conjugated

polymer based on oligobenzo[c]thiophene with low-lying HOMO energy level as potential donor for bulk heterojunction solar cells, JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, 262, 34-44, 10.1016/j.jphotochem.2013.04.013, JUN 15 2013.

1015. Kumar, Arun; Subramaniam, Anandh, Position dependant critical thickness in finite epitaxial systems , APPLIED SURFACE SCIENCE, 275, 60-64, 10.1016/j.apsusc.2013.01.125 , JUN 15 2013.

1016. Rehman, Tafizur; Jaipal, M.; Chatterjee, Abhijit Chatterjee, Abhijit/G-6421-2013
A cluster expansion model for predicting activation barrier of atomic processes , JOURNAL OF COMPUTATIONAL PHYSICS, 243, 244-259, 10.1016/j.jcp.2013.03.005, JUN 15 2013.

1017. Singh, Bipin K.; Thapa, Khem B.; Pandey, Praveen C. Optical reflectance and omnidirectional bandgaps in Fibonacci quasicrystals type 1-D multilayer structures containing exponentially graded material, OPTICS COMMUNICATIONS, 297,65-73, 10.1016/j.optcom.2012.12.053, JUN 15 2013.

1018. Pandey, Mohnish; Pala, Raj Ganesh S. Pala, Raj/J-7587-2013 Hydroxylation induced stabilization of near-surface rocksalt nanostructure on wurtzite ZnO structure, JOURNAL OF CHEMICAL PHYSICS 138 , 22, 224701, 10.1063/1.4809526, JUN 14 2013.

1019. Yadav, Vivek Kumar; Chandra, Amalendu, Dynamics of supercritical methanol of varying density from first principles simulations: Hydrogen bond fluctuations, vibrational spectral diffusion, and orientational relaxation, JOURNAL OF CHEMICAL PHYSICS ,138, 22 , 224501 , 10.1063/1.4808034 JUN 14 2013.

1020. Khan, Sumbul J.; Bajpai, Anjali; Alam, Mohammad Atif; Gupta, Ram P.; Harsh, Sneha; Pandey, Ravi K.; Goel-Bhattacharya, Surbhi; Nigam, Aditi; Mishra, Arati; Sinha, Pradip, Epithelial neoplasia in Drosophila entails switch to primitive cell states, PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 110, 24, E2163-E2172 10.1073/pnas.1212513110, JUN 11 2013.

1021. Singh, Prashant; Harbola, Manoj K.; Sanyal, Biplab; Mookerjee, Abhijit , Accurate determination of band gaps within density functional formalism , PHYSICAL REVIEW B ,87, 23 23511010.1103/PhysRevB.87.235110, JUN 11 2013.

1022. Chandrasekhar, Vadapalli; Metre, Ramesh K.; Biswas, Sourav , Stabilizing the $[R\text{Sn}(\mu(2)\text{-O})\text{SnR}]$ Motif through Intramolecular N \rightarrow Sn Coordination. Synthesis and Characterization of $[(R\text{Sn}(2)(\mu(2)\text{-O})(\mu(2)\text{-FcCOO})(2)(\eta\text{-FcCOO})(2)]\text{center dot THF}$ and $\{(R\text{Sn}(2)(\mu(2)\text{-O})[(t\text{-BuO})(2)\text{PO}_2](2)\text{Cl-2}\}\text{center dot THF center dot 2H}(2)\text{O}$ (R=2-(Phenylazo)phenyl) ORGANOMETALLICS, 32, 11 3419-3422, 10.1021/om400346b, JUN 10 2013.

1023. Basu, Dipanjan; Rao, N. S. V. Kameswara , Analytical solutions for Euler-Bernoulli beam on visco-elastic foundation subjected to moving load , INTERNATIONAL JOURNAL FOR NUMERICAL AND ANALYTICAL METHODS IN GEOMECHANICS, 37 ,8, 945-960, 10.1002/nag.1135, JUN 10 2013

1024. Parashar, Abhinav; Singh, Rahul; Panigrahi, P. K.; Muralidhar, K. Chaotic flow in an aortic aneurysm, JOURNAL OF APPLIED PHYSICS, 113, 21, 214909, 10.1063/1.4809559 JUN 7 2013.

1025. Khan, Faiz Ahmed; Ahmad, Saeed, Synthesis of wilsoniamines A and B TETRAHEDRON LETTERS, 54, 23, 2996-2998, 10.1016/j.tetlet.2013.03.122, JUN 5 2013.

1026. Chowdhury, Debashish, Modeling Stochastic Kinetics of Molecular Machines at Multiple Levels: From Molecules to Modules, BIOPHYSICAL JOURNAL, 104, 11, 2331- 2341, 10.1016/j.bpj.2013.04.042, JUN 4 2013.

1027. Wallbank, J. R.; Patel, A. A.; Mucha-Kruczynski, M.; Geim, A. K.; Falko, V. I. Geim, Andre/J-7888-2012, Generic miniband structure of graphene on a hexagonal substrate, PHYSICAL REVIEW B 87, 24, 245408 10.1103/PhysRevB.87.245408, JUN 4 2013.

1028. Chandrasekhar, Vadapalli; Hossain, Sakiat; Das, Sourav; Biswas, Sourav; Sutter, Jean-Pascal Rhombus-Shaped Tetranuclear $[\text{Ln}(4)]$ Complexes $[\text{Ln} = \text{Dy}(\text{III})$ and $\text{Ho}(\text{III})]$: Synthesis, Structure, and SMM Behavior , INORGANIC CHEMISTRY, 52, 11, 6346-6353, 10.1021/ic302848k, JUN 3 2013.

1029. Maheshwari, Vikas; Ramakrishnan, T. S.; Trehan, Vikram, Persistent Omphalomesenteric Duct Causing Small Bowel Obstruction in an Adult, INDIAN JOURNAL OF SURGERY, 75 S86-S87, 10.1007/s12262-011-0358-7, 1 JUN 2013.

1030. Morisset, Robin; Pawan, Pankaj; Nardelli, Francesco Zappa Compiler Testing via a Theory of Sound Optimisations in the C11/C++11 Memory Model, ACM SIGPLAN NOTICES, 48, 6 SI, 187-196 JUN 2013 34th ACM SIGPLAN Conference on Programming Language Design and Implementation (PLDI) JUN 16-19, 2013.

1031. Kalimuthu, R.; Mehta, R. C.; Rathakrishnan, E. Pressure measurements over a hemisphere-cylinder body attached with a forward facing spike , AERONAUTICAL JOURNAL, 117, 1192, 639-646, JUN 2013.

1032. Moharana, Manoj Kumar; Khandekar, Sameer , Generalized formulation for estimating pressure drop in fully-developed laminar flow in singly and doubly connected channels of non-circular cross-sections, COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING, 259 64-76, 10.1016/j.cma.2013.03.005, JUN 1 2013.

1033. Gangwar, Pooja; Pandey, Mohnish; Sivakumar, Sri; Pala, Raj Ganesh S.; Parthasarathy, G. Pala, Raj/J-7587-2013, Increased Loading of Eu³⁺ Ions in Monazite LaVO₄ Nanocrystals via Pressure-Driven Phase Transitions, CRYSTAL GROWTH & DESIGN, 13, 6, 2344-2349, 10.1021/cg3018908, JUN 2013.

1034. Sahu, Jhasaketan; Ahmad, Musheer; Bharadwaj, Parimal K. Structural Diversity and Luminescence Properties of Coordination Polymers Built With a Rigid Linear Dicarboxylate and Zn(II)/Pb(II) Ion CRYSTAL GROWTH & DESIGN, 13, 6, 2618-2627, 10.1021/cg400376g, JUN 2013.

1035. Vijaylaxmi , EFFECT OF HIGH TEMPERATURE ON GROWTH, BIOMASS AND YIELD OF FIELD PEA GENOTYPES LEGUME RESEARCH, 36, 3, 250-254, JUN 2013.

1036. Gupta, Manjul; Bhar, Antara , On lambda-compact operators , INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, 44, 3, 355- 374, 10.1007/s13226-013-0018-7, JUN 2013.

1037. Ghatak, Anindita Sengupta; Koch, Marcus; Guth, Christina; Weiss, Ingrid M. Peptide Induced Crystallization of Calcium Carbonate on Wrinkle Patterned Substrate: Implications for Chitin Formation in Molluscs, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 14 6, 11842-11860 10.3390/ijms140611842, JUN 2013.

1038. Palai, Tapas; Bhattacharya, Prashant K. Palai, Tapas/F-2619-2012 Palai, Tapas/0000-0001-6941-3522, Kinetics of lactose conversion to galacto-oligosaccharides by beta-galactosidase immobilized on PVDF membrane, JOURNAL OF BIOSCIENCE AND BIOENGINEERING, 115, 6, 668-673 10.1016/j.jbiosc.2012.12.014, JUN 2013.

1039. Annamalai, Raja; Upadhyaya, Anish; Agrawal, Dinesh, An investigation on microwave sintering of Fe, Fe-Cu and Fe-Cu-C alloys, BULLETIN OF MATERIALS SCIENCE, 36, 3, 447-456 10.1007/s12034-013-0477-9, JUN 2013.

1040. Reddy, N. Parvathala; Bapanayya, Ch; Gupta, Rajeev; Agarwal, S. C. Gupta, Rajeev/C-8262-2012 Gupta, Rajeev/0000-0002-8328-9780 Durability of rewritable phase-change Ge (X) Sb (Y) Te1-aEuro parts per thousand X -aEuro parts per thousand Y memory devices, PRAMANA-JOURNAL OF PHYSICS, 80, 6, 1065-1081, 10.1007/s12043-013-0532-5, JUN 2013.

1041. Gupta, Sandeep Kumar; Purohit, Pallav, Renewable energy certificate mechanism in India: A preliminary assessment, RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 22, 380-392, 10.1016/j.rser.2013.01.044, JUN 2013.

1042. Raghavendra, V.; Kar, Rasmita, Weak solutions for a class of semilinear elliptic equations in unbounded domains of (3) APPLICABLE ANALYSIS, 92, 6, 1138-1146, 10.1080/00036811.2011.653793, JUN 1 2013.

1043. Sharma, Amit S.; Mishra, Nisha; Biswas, Krishanu; Basu, Bikramjit , Densification kinetics, phase assemblage and hardness of spark plasma sintered Cu-10 wt% TiB₂ and Cu-10 wt% TiB₂-10 wt% Pb composites, JOURNAL OF MATERIALS RESEARCH, 28, 11, 1517-1528 , 10.1557/jmr.2013.119 JUN 2013.

1044. Gupta, Ankur; Tripathi, Garima; Lahiri, Debrupa; Balani, Kantesh , Compression Molded Ultra High Molecular Weight Polyethylene-Hydroxyapatite-Aluminum Oxide-Carbon Nanotube Hybrid Composites for Hard Tissue Replacement ,JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY 29, 6, 514-522, 10.1016/j.jmst.2013.03.010, JUN 2013.

1045. Singh, Rajeev Kumar; Kant, Rishi; Pandey, Shashank Shekhar; Asfer, Mohammed; Bhattacharya, Bishakh; Panigrahi, Pradipta K.; Bhattacharya, Shantanu , Passive Vibration Damping Using Polymer Pads With Microchannel Arrays, JOURNAL OF MICROELECTROMECHANICAL SYSTEMS 22, 3, 695-707, 10.1109/JMEMS.2013.2241392, JUN 2013.

1046.. Ashokkumar, T.; Rajadurai, A.; Gouthama, Mechanism of Reduction in Grain and Particle Sizes of Ni-x-Fe-100x Nanopowder by Mechanical Alloying, MATERIALS AND MANUFACTURING PROCESSES, 28, 6, 670-675, 10.1080/10426914.2012.727121, JUN 1 2013.

1047. Bose, Moumita; Moula, Golam; Sarkar, Sabyasachi , Electronic Structure of Monodithiolated IronOxotungsten Heterometallic Complexes: Integer-Spin FeW Assembly , CHEMISTRY-AN ASIAN JOURNAL, 8, 6, 1128- 1138, 10.1002/asia.201300245, JUN 2013.

1048. Dhanalakshmi, Jeyaraj Pandiyan; Alam, Sarfaraz; Vijayakumar, Chinnaswamy Thangavel, High temperature matrix resins based on bispropargyl ethers - part 1: Effect of copper salts on the thermal polymerisation of bispropargylether of bisphenol-A and the thermal stability of these polymers HIGH PERFORMANCE POLYMERS, 25, 4, 416-426, 10.1177/0954008312468352, JUN 2013.

1049. Sidpara, Ajay; Jain, V. K. Analysis of forces on the freeform surface in magnetorheological fluid based finishing process , INTERNATIONAL JOURNAL OF MACHINE TOOLS & MANUFACTURE 69, 1, 10, 10.1016/j.ijmachtools.2013.02.004, JUN 2013.

1050. Gupta, Manu; Prakash, Puneet; Rangan, Nanda K. Equity issue-specific versus broad regulatory protections against expropriation risk: International evidence from SEOs JOURNAL OF INTERNATIONAL MONEY AND FINANCE, 35, 146-166, 10.1016/j.jimonfin.2013.02.003, JUN 2013.

1051. Yadav, Vivek Kumar; Chandra, Amalendu, Frequency dependence of the reorientational motion of OD bonds of deuterated methanol in liquid phase: A first principles molecular dynamics study JOURNAL OF MOLECULAR LIQUIDS, 182, 43-47, 10.1016/j.molliq.2013.03.007, JUN 2013.

1052. Biscaras, J.; Bergeal, N.; Hurand, S.; Feuillet-Palma, C.; Rastogi, A.; Budhani, R. C.; Grilli, M.; Caprara, S.; Lesueur, J. Grilli, Marco/C-6309-2009; Rastogi, Ankur/G-5311-2010; Caprara, Sergio/M-7683-2013 Grilli, Marco/0000-0001-5607-7996; Rastogi, Ankur/0000-0002-4056-9088; Caprara, Sergio/0000-0001-8041-3232 Multiple quantum criticality in a two-dimensional superconductor NATURE MATERIALS, 12, 6, 542-548, 10.1038/NMAT3624, JUN 2013.

1053. Jagtap, Rahul; Pathak, Ashok S.; Kaistha, Nitin , Economic plantwide control of the ethyl benzene process , AICHE JOURNAL, 59, 6, 1996, 2014 , 10.1002/aic.13964, JUN 2013.

1054. Tomar, Rachana; Garg, Dushyant K.; Mishra, Rahul; Thakur, Ashwani K.; Kundu, Bishwajit, N-terminal domain of Pyrococcus furiosus L-asparaginase functions as a non-specific, stable, molecular chaperone, FEBS JOURNAL, 280, 11, 2688-2699, 10.1111/febs.12271, JUN 2013.

1055. Shyam, Radhe; Chhabra, R. P. Natural convection in power-law fluids from two square cylinders in tandem arrangement at moderate Grashof numbers, HEAT AND MASS TRANSFER, 49, 6, 843-867, 10.1007/s00231-013-1124-0, JUN 2013.

1056. Goyal, Pawan; Behera, Laxmidhar; McGinnity, T. M. A novel neighborhood based document smoothing model for information retrieval, *INFORMATION RETRIEVAL*, 16, 3, 391-425, 10.1007/s10791-012-9202-3, JUN 2013.

1057. Mahato, Neelima; Sharma, Samir; Keshri, Anup Kumar; Simpson, Amanda; Agarwal, Arvind; Balani, Kantesh, Nanomechanical Properties and Thermal Conductivity Estimation of Plasma-Sprayed, Solid-Oxide Fuel Cell Components: Ceria-Doped, Yttria-Stabilized Zirconia Electrolyte, *JOM*, 65, 6, 749-762, 10.1007/s11837-013-0601-8, JUN 2013.

1058. Kumar, Arvind; Zaloznik, Miha; Combeau, Herve; Goyeau, Benoit; Gobin, Dominique, Zaloznik, Miha/A-7447-2013, Zaloznik, Miha/0000-0001-9810-2360, A numerical simulation of columnar solidification: influence of inertia on channel segregation, *MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING*, 21, 4, 045016 10.1088/0965-0393/21/4/045016, JUN 2013.

1059. Nigam, Shubha; Gopal, Krishna; Vankar, Padma S. Biosorption of arsenic in drinking water by submerged plant: *Hydrilla verticillata*, *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*, 20, 6, 4000-4008, 10.1007/s11356-012-1342-x, JUN 2013.

1060. Gupta, Anamika Sethia; Gupta, Rajive; Panigrahi, P. K.; Muralidhar, K. Imaging transport phenomena during lysozyme protein crystal growth by the hanging drop technique, *JOURNAL OF CRYSTAL GROWTH*, 372, 19-33, 10.1016/j.jcrysgro.2013.02.032, JUN 1 2013.

1061. Singh, U. B.; Dhar, R.; Dabrowski, R.; Pandey, M. B. Influence of low concentration silver nanoparticles on the electrical and electro-optical parameters of nematic liquid crystals, *LIQUID CRYSTALS*, 40, 6, 774 782, 10.1080/02678292.2013.783136, JUN 1 2013.

1062. Sweis, R.; Kaufman, E.; Anggiansah, A.; Wong, T.; Dettmar, P.; Fried, M.; Schwizer, W.; Avvari, R. K.; Pal, A.; Fox, M. Post-prandial reflux suppression by a raft-forming alginate (Gaviscon Advance) compared to a simple antacid documented by magnetic resonance imaging and pH-impedance monitoring: mechanistic assessment in healthy volunteers and randomised, controlled, double-blind study in reflux patients, *ALIMENTARY PHARMACOLOGY & THERAPEUTICS*, 37, 11, 1093-1102, 10.1111/apt.12318, JUN 2013.

1063. Misra, Neeraj; Misra, Amit Kumar, On comparison of reversed hazard rates of two parallel systems comprising of independent gamma components, *STATISTICS & PROBABILITY LETTERS*, 83, 6, 1567-1570, 10.1016/j.spl.2013.03.002, JUN 2013.

1064. Kundu, Debasis, Bayesian analysis for partially complete time and type of failure data
JOURNAL OF APPLIED STATISTICS, 40, 6, 1289-1300, 10.1080/02664763.2013.785493, JUN 1 2013.

1065. Muralikrishna, A.; Bagui, S.; Mazumdar, Dipak, Modeling and Measurements of Intermixing Time in a Water Model of a Four Strand Steelmaking Tundish System, TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, 66, 3, 281-295, 10.1007/s12666-013-0270-x , JUN 2013.

1066. Tripathi, Garima; Gough, Julie E.; Dinda, Amit; Basu, Bikramjit, In vitro cytotoxicity and in vivo osseointegration properties of compression-molded HDPE-HA-Al₂O₃ hybrid biocomposites
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 101A, 6, 1539-1549
10.1002/jbm.a.34452, JUN 2013.

1067. Scussel, D.; Chandra, S. A new approach to obtain tunnel support pressure for polyaxial state of stress, TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, 36 , 80-88
10.1016/j.tust.2013.01.006, JUN 2013.

1068. Kulkarni, K. N.; Sun, Y.; Sachdev, A. K.; Lavernia, E. Lavernia, Enrique/I-6472-2013, Lavernia, Enrique/0000-0003-2124-8964 Field-activated sintering of blended elemental gamma-TiAl powder compacts: Porosity analysis and growth kinetics of Al₃Ti , SCRIPTA MATERIALIA , 68, 11 841-844, 10.1016/j.scriptamat.2013.02.004, JUN 2013.

1069. Vasishtha, Hina; Srivastava, Rajendra P. Effect of soaking and cooking on dietary fibre components of different type of chickpea genotypes , JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, 50, 3, 579-584, 10.1007/s13197-011-0366-4, JUN 2013.

1070. Sen, Ananda; Kannan, Nandini; Kundu, Debasis, Bayesian planning and inference of a progressively censored sample from linear hazard rate distribution , COMPUTATIONAL STATISTICS & DATA ANALYSIS, 62, 108-121, 10.1016/j.csda.2013.01.003, JUN 2013.

1071. Pradhan, Biswabrata; Kundu, Debasis, Inference and optimal censoring schemes for progressively censored Birnbaum-Saunders distribution, JOURNAL OF STATISTICAL PLANNING AND INFERENCE, 143, 6, 1098-1108, 10.1016/j.jspi.2012.11.007, JUN 2013.

1072. Mallajosyula, Arun Tej; Iyer, S. Sundar Kumar; Mazhari, Baquer, Charge transport in polythiophene: fullerene: nanotube bulk heterojunction photovoltaic devices investigated by impedance spectroscopy, CURRENT APPLIED PHYSICS, 13, 4, 677-683, 10.1016/j.cap.2012.11.007
JUN 2013.

1073. Singh, Ajay K.; Farag, Youssef M. K.; Mittal, Bharati V.; Subramanian, Kuyilan Karai; Reddy, Sai Ram Keithi; Acharya, Vidya N.; Almeida, Alan F.; Channakeshavamurthy, Anil; Ballal, H. Sudarshan; Gaccione, P.; Issacs, Rajan; Jasuja, Sanjiv; Kirpalani, Ashok L.; Kher, Vijay; Modi, Gopesh K.; Nainan, Georgy; Prakash, Jai; Rana, Devinder Singh; Sreedhara, Rajanna; Sinha, Dilip Kumar; Bharat, Shah, V; Sunder, Sham; Sharma, Raj K.; Seetharam, Sridevi; Raju, Tatapudi Ravi; Rajapurkar, Mohan M., Epidemiology and risk factors of chronic kidney disease in India - results from the SEEK (Screening and Early Evaluation of Kidney Disease) study , BMC NEPHROLOGY, 14, 114, 10.1186/1471-2369-14-114 MAY 28 2013.

1074. Rana, Malay Kumar; Chandra, Amalendu, Ab initio and classical molecular dynamics studies of the structural and dynamical behavior of water near a hydrophobic graphene sheet , JOURNAL OF CHEMICAL PHYSICS , 138, 20, 204702, 10.1063/1.4804300, MAY 28 2013.

1075. Srivastav, Simant Kumar; Gajbhiye, N. S.; Banerjee, A. Structural transformation and enhancement in magnetic properties of single-phase Bi_{1-x}Pr_xFeO₃ nanoparticles , JOURNAL OF APPLIED PHYSICS, 113, 20, 203917, 10.1063/1.4807928, MAY 28 2013.

1076. Pandey, Himanshu; Budhani, R. C. Structural ordering driven anisotropic magnetoresistance, anomalous Hall resistance, and its topological overtones in full-Heusler Co₂MnSi thin films, JOURNAL OF APPLIED PHYSICS, 113, 20, 203918, 10.1063/1.4808098, MAY 28 2013.

1077. Jagtap, Pravin Kumar Ankush; Verma, Sunil Kumar; Vithani, Neha; Bais, Vaibhav Singh; Prakash, Balaji, Crystal Structures Identify an Atypical Two-Metal-Ion Mechanism for Uridyltransfer in GImU: Its Significance to Sugar Nucleotidyl Transferases , JOURNAL OF MOLECULAR BIOLOGY 425, 10 , 1745-1759, 10.1016/j.jmb.2013.02.019, MAY 27 2013.

1078. Roy, Priti; Kumar, Brijesh; Shende, Akhilesh; Singh, Anupama; Meena, Anil; Ghosal, Ritika; Ranganathan, Madhav; Bandyopadhyay, Amitabha Bandyopadhyay, Amitabha/B-9735-2008 , A Genome-Wide Screen Indicates Correlation between Differentiation and Expression of Metabolism Related Genes, PLOS ONE, 8, 5, e63670, 10.1371/journal.pone.0063670 , MAY 22 2013.

1079. Nirmalkar, N.; Chhabra, R. P.; Poole, R. J. Poole, Robert/B-7960-2008, Poole, Robert/0000-0001-6686-4301, Numerical Predictions of Momentum and Heat Transfer Characteristics from a Heated Sphere in Yield-Stress Fluids, INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH , 52, 20 6848-6861, 10.1021/ie400703t, MAY 22 2013.

1080. Chandra, Nimisha; Tyagi, V. K. Synthesis, Properties, and Applications of Amino Acids Based Surfactants: A Review, JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, 34, 6 800-808, 10.1080/01932691.2012.695967, MAY 17 2013.

1081. Kumar, S. Vijay; Yadav, Santosh K.; Raghava, B.; Saraiah, B.; Ila, H.; Rangappa, K. S.; Hazra, Arpan Hazra, Arpan/G-8081-2011, Cyclocondensation of Arylhydrazines with 1,3-Bis(het)arylmonothio-1,3-diketones and 1,3-Bis(het)aryl-3-(methylthio)-2-propenones: Synthesis of 1-Aryl-3,5-bis(het)arylpurazoles with Complementary Regioselectivity , JOURNAL OF ORGANIC CHEMISTRY 78, 10 , 4960-4973, 10.1021/jo400599e , MAY 17 2013.

1082. Vajpai, S. K.; Dube, R. K.; Sangal, S. Vajpai, Sanjay/G-4482-2012 Vajpai, Sanjay/0000-0002-5649-9846 Application of rapid solidification powder metallurgy processing to prepare Cu-Al-Ni high temperature shape memory alloy strips with high strength and high ductility , MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, 570, 32 -42, 10.1016/j.msea.2013.01.063, MAY 15 2013.

1083. Islam, S. K. Firoz; Ghosh, Tarun Kanti , In-plane electric field effect on a spin-orbit coupled two-dimensional electron system in presence of magnetic field , JOURNAL OF APPLIED PHYSICS 113, 18, 18371010.1063/1.4804334, MAY 14 2013.

1084. Dey, Dipanjan; Bhattacharya, Kaushik; Sarkar, Tapobrata , Galactic dark matter and Bertrand space-times, PHYSICAL REVIEW D, 87, 10, 103505 10.1103/PhysRevD.87.103505, MAY 10 2013.

1085. Dutta, Jhuma; Ramakrishna, S. A.; Alaoui, I. Mekkaoui Ramakrishna, S. Anantha/K-2439-2013 Fingerprint visualization enhancement by deposition of columnar thin films and fluorescent dye treatment FORENSIC SCIENCE INTERNATIONAL, 228, 1-3, 32-37, 10.1016/j.forsciint.2013.02.018, MAY 10 2013.

1086. Moorthy, Jarugu Narasimha; Mandal, Susovan; Mukhopadhyay, Arindam; Samanta, Subhas, Helicity as a Steric Force: Stabilization and Helicity-Dependent Reversion of Colored o-Quinonoid Intermediates of Helical Chromenes, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 135, 18 , 6872-6884, 10.1021/ja312027c, MAY 8 2013.

1087. Roy, Amritendu; Prasad, Rajendra; Auluck, Sushil; Garg, Ashish Garg, Ashish/F-9843-2010, Engineering polarization rotation in ferroelectric bismuth titanate, APPLIED PHYSICS LETTERS 102, 18 , 182901, 10.1063/1.4804367, MAY 6 2013.

1088. Chandrasekhar, Vadapalli; Goura, Joydeb; Duthie, Andrew Molecular Indium (III) Phosphonates Possessing Ring and Cage Structures. Synthesis and Structural Characterization of [In-2(t-BuPO3H)(4)(phen)(2)Cl-2] and [In-3(C5H9PO3)(2)(C5H9PO3H)(4)(phen)(3)]center dot NO3 center dot 3.5H(2)O INORGANIC CHEMISTRY, 52, 9, 4819-4824, 10.1021/ic3022485, MAY 6 2013.

1089.. Sharma, Anuj Kumar; Lloret, Francesc; Mukherjee, Rabindranath, Phenolate- and Acetate (Both $\mu(2)$ -1,1 and $\mu(2)$ -1,3 Modes)-Bridged Linear Co-3(II) and (Co2MnII)-Mn-II Trimers: Magnetostructural Studies, INORGANIC CHEMISTRY , 52, 9, 4825-4833, 10.1021/ic302259t MAY 6 2013.

1090. Chandrasekhar, Vadapalli; Bag, Prasenjit; Speldrich, Manfred; van Leusen, Jan; Koegerler, Paul Kogerler, Paul/H-5866-2013 Kogerler, Paul/0000-0001-7831-3953 Synthesis, Structure, and Magnetic Properties of a New Family of Tetra-nuclear $\{\text{Mn}(2)(\text{III})\text{Ln}(2)\}$ (Ln = Dy, Gd, Tb, Ho) Clusters With an Arch-Type Topology: Single-Molecule Magnetism Behavior in the Dysprosium and Terbium Analogues INORGANIC CHEMISTRY, 52, 9, 5035-5044, 10.1021/ic302742u, MAY 6 2013.

1091.. Moula, Golam; Bose, Moumita; Sarkar, Sabyasachi , Replica of a Fishy Enzyme: Structure-Function Analogue of Trimethylamine-N-Oxide Reductase , INORGANIC CHEMISTRY, 52, 9, 5316-5327 10.1021/ic4002576, MAY 6 2013.

1092 .Chopra, Swati; Alam, Sarfaraz, Fullerene containing polyurethane nanocomposites for microwave applications, JOURNAL OF APPLIED POLYMER SCIENCE, 128, 3, 2012-2019, 10.1002/app.38343, MAY 5 2013.

1093. Saha, Suparna; Saha, Uttam; Singh, Jyoti Prakash; Goswami, Thako Hari, Thermal and mechanical properties of homogeneous ternary nanocomposites of regioregular poly(3-hexylthiophene)-wrapped multiwalled carbon nanotube dispersed in thermoplastic polyurethane: Dynamic- and thermomechanical analysis, JOURNAL OF APPLIED POLYMER SCIENCE, 128, 3, 2109-2120, 10.1002/app.38397 MAY 5 2013.

1094. Gupta, R. K.; Awasthi, R.; Garg, R. K.; Kumar, N.; Gupta, P. K.; Singh, A. K.; Sahoo, P.; Paliwal, V. K.; Prasad, K. N.; Pandey, C. M.; Rathore, R. K. S. T1-Weighted Dynamic Contrast-Enhanced MR Evaluation of Different Stages of Neurocysticercosis and Its Relationship with Serum MMP-9 Expression AMERICAN JOURNAL OF NEURORADIOLOGY, 34, 5, 997-1003, 10.3174/ajnr.A3346 MAY 2013.

1095. Rathore, R. K. S.; Gupta, R. K. Dynamic Contrast-Enhanced MR: Importance of Reaching the Washout Phase REPLY AMERICAN JOURNAL OF NEURORADIOLOGY, 34, 5 , E60-E60, 10.3174/ajnr.A3578, MAY 2013.

1096. Afzal, Mohammad Atif Faiz; Kalmodia, Sushma; Kesarwani, Pallavi; Basu, Bikramjit; Balani, Kantesh, Bactericidal effect of silver-reinforced carbon nanotube and hydroxyapatite composites, JOURNAL OF BIOMATERIALS APPLICATIONS, 27, 8, 967-978, 10.1177/0885328211431856, MAY 2013.

1097. Mohanta, S. K.; Mishra, S. N.; Davane, S. M.; Kumar, Neeraj; Thamizhavel, A.; Layek, S.; Hossain, Z.; Srivastava, S. K. Magnetism of Fe in SrFe₂As₂: Local investigation by time differential perturbed angular distribution (TDPAD) spectroscopy, HYPERFINE INTERACTIONS 221, 1-3, 23-27, 10.1007/s10751-012-0690-8, MAY 2013, 4th Joint International Conference on Hyperfine Interactions / International Symposium on Nuclear Quadrupole Interactions (HFI/NQI) SEP 10-14, 2012 Beijing, PEOPLES R CHINA .

1098. Singh, S. K.; Dubey, S. K.; Ali, M.; Nigam, S. N.; Srivastava, R. K.; Saxena, K. B.; Yadav, A. S.; Kumar, A. Development and Promotion of an Informal and Formal Seed System Through Farmer Participatory Seed Production of Pigeonpea (*Cajanus cajan* L.) in Uttar Pradesh, India AGROECOLOGICAL AND SUSTAINABLE FOOD SYSTEMS, 37, 5, 531-549, 10.1080/10440046.2012.746252 , MAY 1 2013.

1099. Mitra, Sharmishtha; Erum, Early warning prediction system for high inflation: an elitist neuro-genetic network model for the Indian economy, NEURAL COMPUTING & APPLICATIONS, 22, S447-S462, 10.1007/s00521-012-0895-4, 1, MAY 2013.

1100. Srivastava, Vivek; Tripathi, Bipin K.; Pathak, Vinay K. Evolutionary fuzzy clustering and functional modular neural network-based human recognition, NEURAL COMPUTING & APPLICATIONS, 22, S411-S419, 10.1007/s00521-012-0973-7, 1, MAY 2013.

1101. Mukherjee, Somdutta; Gupta, Rajeev; Garg, Ashish Gupta, Rajeev/C-8262-2012; Garg, Ashish/F-9843-2010 Gupta, Rajeev/0000-0002-8328-9780; Dielectric response and magnetoelectric coupling in single crystal gallium ferrite, AIP ADVANCES, 3-5, 052115, 10.1063/1.4806762, MAY 2013.

1102. Lal, A. K.; Reddy, A. Satyanarayana, NON-SINGULAR CIRCULANT GRAPHS AND DIGRAPHS ELECTRONIC JOURNAL OF LINEAR ALGEBRA, 26, 248-257, MAY 2013.

1103. Patel, Aavishkar A.; Sharma, Shraddha; Dutta, Amit , Role of marginality in quantum fidelity and Loschmidt echo: Dirac points in 2-D EPL, 102, 4, 46001, 10.1209/0295-5075/102/46001, MAY 2013.

1104. Kataria, Devika; Iyer, S. Sundar Kumar , Effect of metal nanoparticles' contact angle on absorption of light in organic solar cell active layer, JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, 5,3, 031617, 10.1063/1.4812449, MAY 1 2013. International Conference on Solar Energy Photovoltaic 2012, Bhubaneswar, INDIA.

1105. Singh, Chandra Bhal; Bhattacharya, Sekhar; Singh, Vandana; Bhargav, P. Balaji; Sarkar, Surajit; Bhavanasi, Venkateswarlu; Ahmad, Nafis, Application of SixNy:H-z (SiN) as index matching layer in a-Si: H thin film solar cells, JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY 5, 3, 031605, 10.1063/1.4807609, MAY 1 2013 International Conference on Solar Energy Photovoltaic, 2012, Bhubaneswar, INDIA.

1106. Kolay, Chinmoy; Prashant, Amit; Jain, Sudhir K. Nonlinear Dynamic Analysis and Seismic Coefficient for Abutments and Retaining Walls , EARTHQUAKE SPECTRA, 29, 2, 427-451, 10.1193/1.4000141, MAY 2013.
1107. Roy, Sthitadhi; Nag, Tanay; Dutta, Amit, Fidelity, Rosen-Zener dynamics, entropy and decoherence in one dimensional hard-core bosonic systems, EUROPEAN PHYSICAL JOURNAL B, 86, 5, 204, 10.1140/epjb/e2013-40052-1, MAY 2013.
1108. Biswas, Shyamal; Sen, Swati; Jana, Debnarayan, A complete theory for the magnetism of an ideal gas of electrons, PHYSICS OF PLASMAS, 20, 5, 052503, 10.1063/1.4804274, MAY 2013.
1109. Kumar, Bhupesh; Thareja, Raj K. Laser ablated copper plasmas in liquid and gas ambient PHYSICS OF PLASMAS, 20,5, 053503 10.1063/1.4807041, MAY 2013.
1110. Agarwal, Avinash Kumar; Gupta, Tarun; Dixit, Neelabh; Shukla, Pravesh Chandra, Assessment of toxic potential of primary and secondary particulates/aerosols from biodiesel vis-a-vis mineral diesel fuelled engine, INHALATION TOXICOLOGY, 25, 6, 325-332, 10.3109/08958378.2013.782515 MAY 2013.
1111. Dayal, Govind; Ramakrishna, S. Anantha Ramakrishna, S. Anantha/K-2439-2013 Design of multi-band metamaterial perfect absorbers with stacked metal-dielectric disks, JOURNAL OF OPTICS 15, 5, 055106 10.1088/2040-8978/15/5/055106, MAY 2013.
1112. Roy, Bhaswati; Awasthi, Rishi; Bindal, Amit; Sahoo, Prativa; Kumar, Rajan; Behari, Sanjay; Ojha, Bal K.; Husain, Nuzhat; Pandey, Chandra M.; Rathore, Ram K. S.; Gupta, Rakesh Kumar, Comparative Evaluation of 3-Dimensional Pseudocontinuous Arterial Spin Labeling With Dynamic Contrast-Enhanced Perfusion Magnetic Resonance Imaging in Grading of Human Glioma, JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY, 37, 3, 321-326, 10.1097/RCT.0b013e318282d7e2 , MAY-JUN 2013.
1113. Chinchankar, Satish; Choudhury, S. K. Wear behaviors of single-layer and multi-layer coated carbide inserts in high speed machining of hardened AISI 4340 steel , JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, 27, 5 , 1451-1459, 10.1007/s12206-013-0325-2, MAY 2013.
1114. Roy, Bhaswati; Gupta, Rakesh K.; Maudsley, Andrew A.; Awasthi, Rishi; Sheriff, Sulaiman; Gu, Meng; Husain, Nuzhat; Mohakud, Sudipta; Behari, Sanjay; Pandey, Chandra M.; Rathore, Ram K. S.; Spielman, Daniel M.; Alger, Jeffrey R. Utility of multiparametric 3-T MRI for glioma characterization NEURORADIOLOGY , 55, 5, 603-613, 10.1007/s00234-013-1145-x MAY 2013.

1115. Shirazi, Amir Nasrolahi; Tiwari, Rakesh Kumar; Oh, Donghoon; Banerjee, Antara; Yadav, Arpita; Parang, Keykavous, Efficient Delivery of Cell Impermeable Phosphopeptides by a Cyclic Peptide Amphiphile Containing Tryptophan and Arginine , *MOLECULAR PHARMACEUTICS* , 10, 5, 2008-2020, 10.1021/mp400046u, MAY 2013.
1116. Bhavanasi, Venkateswarlu; Singh, Chandra Bhal; Datta, Debjit; Singh, Vandana; Shahi, Keshawa; Kumar, Satyendra Structural, optical and light scattering properties of post etched RF sputtered ZnO:Al thin films deposited at various substrate temperature , *OPTICAL MATERIALS*, 35, 7, 1352-1359, 10.1016/j.optmat.2013.01.037, MAY 2013.
1117. Ghosh, Bahniman; Akram, Mohammad Waseem, Junctionless Tunnel Field Effect Transistor, *IEEE ELECTRON DEVICE LETTERS*, 34, 5, 584-586, 10.1109/LED.2013.2253752, MAY 2013
1118. Kishore, Nanda; Nalajala, V. S.; Chhabra, Raj P. Effects of Contamination and Shear-Thinning Fluid Viscosity on Drag Behavior of Spherical Bubbles, *INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH*, 52 , 17, 6049-6056 , 10.1021/ie4003188, MAY 1 2013.
1119. Sharma, Amit S.; Biswas, Krishanu; Basu, Bikramjit, Fine scale characterization of surface/subsurface and nanosized debris particles on worn Cu-10 % Pb nanocomposites, *JOURNAL OF NANOPARTICLE RESEARCH*, 15, 5, 1675, 10.1007/s11051-013-1675-5, MAY 2013.
1120. Pramanik, Sumit; Kar, Kamal K. Nanohydroxyapatite synthesized from calcium oxide and its characterization , *INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY*, 66, 5-8, 1181-1189, 10.1007/s00170-012-4401-z, MAY 2013.
1121. Yadav, Sanjeev Kumar Singh; Yadava, Vinod, Experimental Investigation of Electrical Discharge Diamond Cut-Off Grinding of Ti Alloy, *MATERIALS AND MANUFACTURING PROCESSES*, 28, 5, 557-561, 10.1080/10426914.2012.718469, MAY 1 2013.
1122. Nadkarni-Ghosh, Sharvari; Chernoff, David F. Modelling non-linear evolution using Lagrangian perturbation theory re-expansions , *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*, 431, 1, 799-823, 10.1093/mnras/stt217, MAY 2013.
1123. Gupta, Prakash Chandra; Rao, Chandana V.; Sharma, Nisha, Protective effect of standardized extract of *Cleome viscosa* against experimentally induced gastric lesions in the rat, *PHARMACEUTICAL BIOLOGY*, 51, 5, 595-600, 10.3109/13880209.2012.753918, MAY 2013.

1124. Vaish, H.; Ahmed, F.; Singla, R.; Shukla, D. K. Reference equation for the 6-minute walk test in healthy North Indian adult males, *INTERNATIONAL JOURNAL OF TUBERCULOSIS AND LUNG DISEASE*, 17, 5, 698-703, 10.5588/ijtld.12.0474, MAY 2013.

1125. Kumar, Rajesh; Yadav, R. M.; Awasthi, K.; Shripathi, T.; Sinha, A. S. K.; Tiwari, R. S.; Srivastava, O. N. Kumar, Rajesh/H-6510-2011 Kumar, Rajesh/0000-0001-7065-3259 , Synthesis of carbon and carbon-nitrogen nanotubes using green precursor: jatropha-derived biodiesel , *JOURNAL OF EXPERIMENTAL NANOSCIENCE*, 8, 4, 606-620, 10.1080/17458080.2011.577102, MAY 1 2013.

1126. Shukla, J. B.; Sundar, Shyam; Misra, A. K.; Naresh, Ram, Modeling the effects of aerosols to increase rainfall in regions with shortage, *METEOROLOGY AND ATMOSPHERIC PHYSICS*, 120 , 3-4, 157-163, 10.1007/s00703-013-0249-5, MAY 2013.

1127. Jain, Era; Kumar, Ashok, Disposable polymeric cryogel bioreactor matrix for therapeutic protein production, *NATURE PROTOCOLS*, 8, 5, 821-835, 10.1038/nprot.2013.027, MAY 2013.

1128. Leong, Jonathan Y.; Satyanarayana, N.; Sinha, Sujeet K. A Tribological Study of Multiply-Alkylated Cyclopentanes and Perfluoropolyether Lubricants for Application to Si-MEMS Devices *TRIBOLOGY LETTERS*, 50, 2 , 195-206, 10.1007/s11249-013-0112-3 , MAY 2013.

1129. Deb, Kalyanmoy; Datta, Rituparna , A bi-objective constrained optimization algorithm using a hybrid evolutionary and penalty function approach , *ENGINEERING OPTIMIZATION*, 45, 5 503-527, 10.1080/0305215X.2012.685074, MAY 1 2013.

1130. Rai, Yogita; Chaturvedi, Saurabh; Paliwal, Vimal Kumar; Goyal, Puneet; Chourasia, Ankita; Rathore, Ram Kishore Singh; Yadav, Abhishek; Pandey, Chandra Mani; Lalla, Rakesh Shyam; Garg, Ravindra Kumar; Gupta, Rakesh Kumar , DTI correlates of cognition in term children with spastic diplegic cerebral palsy , *EUROPEAN JOURNAL OF PAEDIATRIC NEUROLOGY*, 17, 3 294-301, 10.1016/j.ejpn.2012.11.005, MAY 2013.

1131. Kattakola, Brunda; Ranjan, Abhishek; Basu, Sumit , Three dimensional finite element investigations into the effects of thickness and notch radius on the fracture toughness of polycarbonate *INTERNATIONAL JOURNAL OF FRACTURE*, 181, 1, 1-12, 10.1007/s10704-013-9808-5 MAY 2013.

1132. Kumar, P.; Eswaran, V. The effect of radiation on natural convection in slanted cavities of angle $\gamma=45$ degrees and 60 degrees , *INTERNATIONAL JOURNAL OF THERMAL SCIENCES* 67, 96-106, 10.1016/j.ijthermalsci.2012.12.009, MAY 2013.

1133. Ramgadia, Abhishek G.; Saha, Arun K. Numerical study of fully developed flow and heat transfer in a wavy passage, INTERNATIONAL JOURNAL OF THERMAL SCIENCES, 67 , 152 -166
10.1016/j.ijthermalsci.2012.12.005, MAY 2013.

1134. Skrzypek, G.; Paul, D.; Wojtun, B. The altitudinal climatic effect on the stable isotope compositions of Agave and Opuntia in arid environments - A case study at the Big Bend National Park, Texas, USA JOURNAL OF ARID ENVIRONMENTS, 92, 102-112 , 10.1016/j.jaridenv.2013.02.002 MAY 2013.

1135. Mishra, Amita; Dutta, Anirban; Samaddar, Sayanti; Gupta, Anjan K Wet chemical deposition of single crystalline epitaxial manganite thin films with atomically flat surface , THIN SOLID FILMS 534, 67 -69, 10.1016/j.tsf.2013.01.107, MAY 1 2013.

1136. Sairamu, M.; Nirmalkar, N.; Chhabra, R. P. Natural convection from a circular cylinder in confined Bingham plastic fluids, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 60, 567-581, 10.1016/j.ijheatmasstransfer.2013.01.024, MAY 2013.

1137. Kotal, Moumita; Srivastava, Suneel Kumar; Manu, Saraswathi Kesavapillai; Saxena, Aravind Kumar; Pandey, Kailash Nath, Preparation and properties of in-situ polymerized polyurethane/stearate intercalated layer double hydroxide nanocomposites , POLYMER INTERNATIONAL, 62, 5, 728-735 10.1002/pi.4354, MAY 2013.

1138. Chinchankar, Satish; Choudhury, S. K. Investigations on machinability aspects of hardened AISI 4340 steel at different levels of hardness using coated carbide tools , INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, 38, 124-133, 10.1016/j.ijrmhm.2013.01.013 MAY 2013.

1139. Jain, Shilpee; Sharma, Ashutosh; Basu, Bikramjit Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, In vitro cytocompatibility assessment of amorphous carbon structures using neuroblastoma and Schwann cells , JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, 101B, 4 , 520-531, 10.1002/jbm.b.32852 , MAY 2013.

1140. Kumar, M. Arul; Mahesh, Sivasambu , Subdivision and microtexture development in f.c.c. grains during plane strain compression , INTERNATIONAL JOURNAL OF PLASTICITY, 44, 95-110 10.1016/j.ijplas.2012.12.004, MAY 2013.

1141. Agarwal, Avinash Kumar; Dhar, Atul; Srivastava, Dhananjay Kumar; Maurya, Rakesh Kumar; Singh, Akhileendra Pratap, Effect of fuel injection pressure on diesel particulate size and number distribution in a CRDI single cylinder research engine , FUEL, 107, 84-89 , 10.1016/j.fuel.2013.01.077 MAY 2013.

1142. Chinchani, Satish; Choudhury, S. K. Effect of work material hardness and cutting parameters on performance of coated carbide tool when turning hardened steel: An optimization approach MEASUREMENT, 46, 4, 1572-1584, 10.1016/j.measurement.2012.11.032, MAY 2013.

1143. Baswana, Surender; Khanna, Neelesh , Approximate Shortest Paths Avoiding a Failed Vertex: Near Optimal Data Structures for Undirected Unweighted Graphs , ALGORITHMICA, 66, 1, 18-50 10.1007/s00453-012-9621-y, MAY 2013.

1144. Mishra, Rupali; Ahmad, Musheer; Tripathi, Madhav Ram , Four novel isostructural coordination polymers $\{[M(H_2O)_2(H_2O)_2] \cdot 2DMF\}$ $[M = Zn(II), Cd(II), Mn(II) \text{ and } Co(II)]$ built using a nitrogen and oxygen donor azo ligand: Crystal structures and fluorescence studies , POLYHEDRON 54, 189-195, 10.1016/j.poly.2013.02.044, APR 30 2013.

1145. Kumar, Nikhil; Diwakar, Anant; Attree, Sandeep Kumar; Mittal, Sanjay , A method to carry out shape optimization with a large number of design variables , INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS , 71, 12, 1494-1508, 10.1002/flid.3722, APR 30 2013.

1146. Verma, Ankur; Sharma, Ashutosh Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Taming of self-organization in highly confined soft matter to sub-100 nm scales: nanolens-arrays by spinodal instability of thin polymer films for high-resolution optical imaging , CURRENT SCIENCE, 104 , 8, 1037-1045, APR 25 2013.

1147. Kour, Surjeet; Maloo, Alok Kumar , SIMPLICITY OF SOME DERIVATIONS OF $k[x, y]$ COMMUNICATIONS IN ALGEBRA, 41, 4, 1417-1431, 10.1080/00927872.2011.643521 APR 22 2013.

1148. Dutta, Jhuma; Ramakrishna, S. Anantha; Lakhtakia, Akhlesh Ramakrishna, S. Anantha/K-2439-2013, Periodically patterned columnar thin films as blazed diffraction gratings, APPLIED PHYSICS LETTERS, 102, 16, 161116, 10.1063/1.4802975, APR 22 2013.

1149. Mishra, D. P.; Jejurkar, Swarup Y. Characterization of confined hydrogen-air jet flame in a crossflow configuration using design of experiments, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, 38, 12, 5165 -5175, 10.1016/j.ijhydene.2013.02.085, APR 22 2013.

1150.Ghorai, Manas K.; Nanaji, Y. Synthetic Route to Chiral Indolines via Ring-Opening/C-N Cyclization of Activated 2-Haloarylaziridines, 3867-3878, 10.1021/jo400287a, APR 19 2013.

1151.Pandey, Mohnish; Pala, Raj Ganesh S. Pala, Raj/J-7587-2013 , Stabilization of Rocksalt CdSe at Atmospheric Pressures via Pseudomorphic Growth , JOURNAL OF PHYSICAL CHEMISTRY C 117, 15, 7643-7647, 10.1021/jp400295n , APR 18 2013.

1152. Al-Mutairi, D. K.; Ghitany, M. E.; Kundu, Debasis, Inferences on Stress-Strength Reliability from Lindley Distributions COMMUNICATIONS IN STATISTICS-THEORY AND METHODS 42, 8, 1443-1463, 10.1080/03610926.2011.563011, APR 15 2013.

1153.Jejurkar, Swarup Y.; Mishra, D. P. Numerical analysis of entropy generation in an annular microcombustor using multistep kinetics, APPLIED THERMAL ENGINEERING, 52, 2 , 394-401 10.1016/j.applthermaleng.2012.12.021, APR 15 2013.

1154.Chandrasekhar, Vadapalli; Dey, Atanu; Mota, Antonio J.; Colacio, Enrique , Slow Magnetic Relaxation in Co(III)-Co(II) Mixed-Valence Dinuclear Complexes with a (CoO₅X)-O-II (X = Cl, Br, NO₃) Distorted-Octahedral Coordination Spheres, INORGANIC CHEMISTRY, 52, 8, 4554-4561 10.1021/ic400073y, APR 15 2013.

1155.Chandrasekhar, Vadapalli; Bag, Prasenjit; Colacio, Enrique , Octanuclear {Ln(III)(8)} (Ln = Gd, Tb, Dy, Ho) Macrocyclic Complexes in a Cyclooctadiene-like Conformation: Manifestation of Slow Relaxation of Magnetization in the Dy(III) Derivative , INORGANIC CHEMISTRY , 52, 8, 4562-4570 10.1021/ic400091j, APR 15 2013.

1156.Chepyala, Ramchander; Panda, Siddhartha, Tunable surface free energies of functionalized molecular layers on Si surfaces for microfluidic immunosensor applications, APPLIED SURFACE SCIENCE, 271, 77-85, 10.1016/j.apsusc.2013.01.094, APR 15 2013.

1157. Vaid, Samir; Ariz, Mohd; Chaturbedi, Amaresh; Kumar, Ganga Anil; Subramaniam, Kuppuswamy PUF-8 negatively regulates RAS/MAPK signalling to promote differentiation of C. elegans germ cells, DEVELOPMENT, 140, 8, 1645-1654, 10.1242/dev.088013, APR 15 2013.

1158.Singh, Pramod; Rawat, B. S.; Negi, Jagmohan S.; Pant, Geeta Joshi Nee; Rawat, M. S. M.; Joshi, G. C.; Thapliyal, K. Solvatochromic and single crystal studies of 3-(4-bromophenyl)-5-phenyl-4,5-dihydro-1H-pyrazole-1-carbaldehyde , SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 107, 213-217, 10.1016/j.saa.2012.12.086, APR 15 2013.

1159. Gupta, Shyam L.; Thareja, Raj K. Photoluminescence of nanoparticles in vapor phase of colliding plasma, *JOURNAL OF APPLIED PHYSICS*, 113, 14, 143308, 10.1063/1.4800919, APR 14 2013.
1160. Patra, Tarak K.; Singh, Jayant K. Singh, Jayant/A-1820-2011 Coarse-grain molecular dynamics simulations of nanoparticle-polymer melt: Dispersion vs. agglomeration, *JOURNAL OF CHEMICAL PHYSICS*, 138, 14, 144901, 10.1063/1.4799265, APR 14 2013.
1161. Katiyar, Rashmi; Bag, Dibyendu S.; Nigam, Indira, Thermal properties of fullerene (C-60) containing poly(alkyl methacrylate)s *THERMOCHIMICA ACTA*, 557, 55-60 10.1016/j.tca.2013.01.027, APR 10 2013.
1162. Unhale, Rajshekhar A.; Rana, Nirmal K.; Singh, Vinod K. Organocatalytic enantioselective transient enolate protonation in conjugate addition of thioacetic acid to alpha-substituted N-acryloyloxazolidinones, *TETRAHEDRON LETTERS*, 54, 15, 1911-1915 10.1016/j.tetlet.2013.01.004, APR 10 2013.
1163. Kumar, Vinod; Gupta, Ankur; Lahiri, Debrupa; Balani, Kantesh, Serrated yielding during nanoindentation of thermomechanically processed novel Mg-9Li-7Al-1Sn and Mg-9Li-5Al-3Sn-1Zn alloys, *JOURNAL OF PHYSICS D-APPLIED PHYSICS*, 46, 14, 145304, 10.1088/0022-3727/46/14/145304, APR 10 2013.
1164. Bhattacharya, Kaushik; Cai, Yi-Fu; Das, Suratna Lee-Wick radiation induced bouncing universe models, *PHYSICAL REVIEW D*, 87, 8, 083511, 10.1103/PhysRevD.87.083511, APR 9 2013.
1165. Mandal, Partha Sarathi, CHARACTERIZATION OF POSITIVE SOLUTION TO STOCHASTIC COMPETITOR-COMPETITOR-COOPERATIVE MODEL *ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS*, 88, APR 5 2013.
1166. Surender, R.; Mahendran, A.; Thamarachelvan, A.; Alam, S.; Vijayakumar, C. T. Curing Studies of Bisphenol A Based Bismaleimide and Cloisite 15a Nanoclay Blends Using Differential Scanning Calorimetry and Model-Free Kinetics, *JOURNAL OF APPLIED POLYMER SCIENCE*, 128, 1 712-724, 10.1002/app.38219, APR 5 2013.
1167. Reu, Oleg; Pali, Andrei; Ostrovsky, Serghei; Wallace, Warren; Zaharko, Oksana; Chandrasekhar, Vadapalli; Clerac, Rodolphe; Klokishner, Sophia, Experimental Characterization and Theoretical Modeling of a Linear [(Co₂Tb^{III})-Tb-III] Single Molecule Magnet, *JOURNAL OF PHYSICAL CHEMISTRY C*, 117, 13, 6880-6888, 10.1021/jp401305g, APR 4 2013.

1168. Liu, Yan; Guenneau, Sebastien; Gralak, Boris; Ramakrishna, S. Anantha Ramakrishna, S. Anantha/K-2439-2013, Focusing light in a bianisotropic slab with negatively refracting materials JOURNAL OF PHYSICS-CONDENSED MATTER, 25 , 13, 135901, 10.1088/0953-8984/25/13/135901 APR 3 2013.

1169. Ghatak, Anindita Sengupta; Ghatak, Animangsu , Disordered Nanowrinkle Substrates for Inducing Crystallization over a Wide Range of Concentration of Protein and Precipitant , LANGMUIR, 29, 13 4373-4380, 10.1021/la305135y , APR 2 2013.

1169. Agrahari, Gunjan K.; Rawat, Ashutosh; Verma, Nishith; Bhattacharya, Prashant K. Removal of dissolved H₂S from wastewater using hollow fiber membrane contactor: Experimental and mathematical analysis, DESALINATION, 314, 34-42, 10.1016/j.desal.2012.12.027, APR 2 2013.

1170. Srivastava, Rajesh, Groundwater Resources under a Changing Climate, JOURNAL OF THE INDIAN INSTITUTE OF SCIENCE, 93, 2, 251-263, APR-JUN 2013.

1171. Pratap, Aditya; Sen Gupta, Debjyoti; Singh, B. B.; Kumar, Shiv , DEVELOPMENT OF SUPER EARLY GENOTYPES IN GREENGRAM [VIGNA RADIATA (L.) Wilczek] LEGUME RESEARCH, 36, 2, 105-110, APR 2013.

1172. Akram, Mohd; Naimuddin, COAT PROTEIN GENE SEQUENCE BASED DIAGNOSIS OF GROUNDNUT BUD NECROSIS VIRUS INFECTION IN RAJMASH LEGUME RESEARCH 36, 2, 138-141, APR 2013.

1173. Vasishtha, Hina; Srivastava, R. P. EFFECT OF SOAKING AND GERMINATION ON DIETARY FIBRE CONSTITUENTS OF CHICKPEA (CICER ARIETINUM L.) LEGUME RESEARCH, 36 , 2 174-179, APR 2013.

1174. Kundu, Debasis; Balakrishnan, N.; Jamalizadeh, Ahad, Generalized multivariate Birnbaum-Saunders distributions and related inferential issues , JOURNAL OF MULTIVARIATE ANALYSIS, 116 230-244, 10.1016/j.jmva.2012.10.017, APR 2013.

1175.Reddy, A. Satyanarayana; Mehta, Shashank K.; Lal, Arbind K. Representation of cyclotomic fields and their subfields, INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS , 44, 2 203-230, 10.1007/s13226-013-0011-1, APR 2013.

1176. Rath, Pranati K.; Mudholkar, Tanmay; Jain, Pankaj; Aluri, Pavan K.; Panda, Sukanta, Direction dependence of the power spectrum and its effect on the cosmic microwave background radiation JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS, 4 , 007, 10.1088/1475-7516/2013/04/007, APR 2013.

1177. Mondal, Partha; Ghosh, Bahniman; Bal, Punyasloka, Planar junctionless transistor with non-uniform channel doping, APPLIED PHYSICS LETTERS, 102, 13 , 133505, 10.1063/1.4801443, APR 1 2013.

1178. Das, Chandan K.; Singh, Jayant K. Singh, Jayant/A-1820-2011, Melting transition of confined Lennard-Jones solids in slit pores , THEORETICAL CHEMISTRY ACCOUNTS, 132, 4 , 1351 10.1007/s00214-013-1351-y, APR 2013.

1179. Imandi, Venkataramana; Kunnikuruvaan, Sooraj; Nair, Nisanth N. Nair, Nisanth/E-2654-2014 Hydroxypalladation Precedes the Rate-Determining Step in the Wacker Oxidation of Ethene CHEMISTRY-A EUROPEAN JOURNAL, 19, 15, 4724 -4731, 10.1002/chem.201204342 APR 2013.

1180. Agarwal, Avinash Kumar; Singh, Akhilendra Pratap; Lukose, Jithin; Gupta, Tarun Arumugam, Thirumagal/C-3408-2014, Characterization of exhaust particulates from diesel fueled homogenous charge compression ignition combustion engine , JOURNAL OF AEROSOL SCIENCE 58, 71-85, 10.1016/j.jaerosci.2012.12.005, APR 2013.

1181. Bhattacharjee, Sudeep; Dey, Indranuj; Paul, Samit Bhattacharjee, Sudeep/C-7085-2014 Bhattacharjee, Sudeep/0000-0002-5369-9818 Electron random walk and collisional crossover in a gas in presence of electromagnetic waves and magnetostatic fields , PHYSICS OF PLASMAS , 20, 4 042118 10.1063/1.4802191, APR 2013.

1182. Chandrasekhar, Vadapalli; Kundu, Subrata; Kumar, Jitendra; Verma, Sandeep; Gopal, Kandasamy; Chaturbedi, Amaresh; Subramaniam, Kuppaswamy, Supramolecular Signatures of Adenine-Containing Organostannoxane Assemblies, CRYSTAL GROWTH & DESIGN, 13, 4, 1665-1675 10.1021/cg3018776, APR 2013.

1183. Seth, Saona; Jhulki, Samik; Moorthy, Jarugu Narasimha , Catalytic and Chemoselective Oxidation of Activated Alcohols and Direct Conversion of Diols to Lactones with In Situ-Generated Bis-IBX Catalyst, EUROPEAN JOURNAL OF ORGANIC CHEMISTRY, 12, 2445-2452 10.1002/ejoc.201201699, APR 2013.

1184. Chandrasekhar, Vadapalli; Mohapatra, Chandrajeet; Banerjee, Rahul; Mallick, Arijit, Synthesis, Structure, and H₂/CO₂ Adsorption in a Three-Dimensional 4-Connected Triorganotin Coordination Polymer with a sqc Topology, INORGANIC CHEMISTRY, 52, 7, 3579 -3581, 10.1021/ic302528b APR 1 2013.

1185. Bhattacharya, Sudeshna; Krishnamurthy, Pradeep Kumar, Decoy-state method for subcarrier-multiplexed frequency-coded quantum key distribution , JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, 30 , 4, 782-787, APR 2013.
1186. Sanghi, Rashmi; Verma, Preeti, Decolorisation of aqueous dye solutions by low-cost adsorbents: a review, COLORATION TECHNOLOGY, 129, 2, 85-108, 10.1111/cote.12019, APR 2013.
1187. Murugan, T.; De, S.; Dora, C. L.; Das, D.; Kumar, P. Prem, A study of the counter rotating vortex rings interacting with the primary vortex ring in shock tube generated flows , FLUID DYNAMICS RESEARCH, 45, 2, 025506, 10.1088/0169-5983/45/2/025506, APR 2013.
1188. Kumar, D.; Kadalbajoo, M. K. A parameter uniform method for singularly perturbed differential-difference equations with small shifts, JOURNAL OF NUMERICAL MATHEMATICS , 21, 1, 1, 22, 10.1515/jnum-2013-0001 , APR 2013.
1189. Kant, Rishi; Singh, Himanshu; Nayak, Monalisha; Bhattacharya, Shantanu , Optimization of design and characterization of a novel micro-pumping system with peristaltic motion , MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, 19, 4, 563-575, 10.1007/s00542-012-1658-y, APR 2013.
1190. Reddy, M. Srinivas; Vijaya, R.; Rukhlenko, Ivan D.; Premaratne, Malin, Low-threshold lasing in active opal photonic crystals, OPTICS LETTERS, 38, 7 , 1046-1048 , APR 1 2013.
1191. Bandyopadhyay, Amitabha; Yadav, Prem Swaroop; Prashar, Paritosh, Bandyopadhyay, Amitabha/B-9735-2008 , BMP signaling in development and diseases: A pharmacological perspective BIOCHEMICAL PHARMACOLOGY, 85, 7, 857-864, 10.1016/j.bcp.2013.01.004, APR 1 2013.
1192. Ashokkumar, Thanganadar; Rajadurai, Arunachalam; Gouthama; Hussami, Linda L. A study of densification and on factors affecting the density of Ni (x)-Fe100-x nanopowders prepared by mechanical alloying and sintered by spark plasma, INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, 65, 9-12, 1201-1213, 10.1007/s00170-012-4247-4 APR 2013.
1193. Devangan, Lokendra; Amit, R. K.; Mehta, Peeyush; Swami, Sanjeev; Shanker, Kripa, Individually rational buyback contracts with inventory level dependent demand , INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, 142, 2, 381-387, 10.1016/j.ijpe.2012.12.014, APR 2013.
1194. Padhye, Nikhil; Bhardawaj, Piyush; Deb, Kalyanmoy , Improving differential evolution through a unified approach, JOURNAL OF GLOBAL OPTIMIZATION, 55, 4, 771- 799, 10.1007/s10898-012-9897-0, APR 2013.

1195. Kulkarni, Kaustubh N.; Luo, Alan A. Luo, Alan/G-9352-2013, Interdiffusion and Phase Growth Kinetics in Magnesium-Aluminum Binary System , JOURNAL OF PHASE EQUILIBRIA AND DIFFUSION, 34, 2, 104-115, 10.1007/s11669-013-0189-2, APR 2013.

1196. Patil, Ganesh C.; Qureshi, S. Asymmetric drain underlap dopant-segregated Schottky barrier ultrathin-body SOI MOSFET for low-power mixed-signal circuits , SEMICONDUCTOR SCIENCE AND TECHNOLOGY, 28, 4, 045002, 10.1088/0268-1242/28/4/045002, APR 2013.

1197. Sharma, Ajit K.; Khare, Prateek; Singh, Jayant K.; Verma, Nishith Singh, Jayant/A-1820-2011 Preparation of novel carbon microfiber/carbon nanofiber-dispersed polyvinyl alcohol-based nanocomposite material for lithium-ion electrolyte battery separator , MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, 33, 3, 1702-1709 10.1016/j.msec.2012.12.083, APR 1 2013.

1198. Chaudhary, Raghvendra Kumar; Srivastava, Kumar Vaibhav; Biswas, Animesh Chaudhary, Dr. Raghvendra/C-4322-2013; Srivastava, Kumar Vaibhav/B-7106-2014 Chaudhary, Dr. Raghvendra/0000-0001-6186-4089; Broadband four-element multi-layer multi-permittivity cylindrical dielectric resonator antenna , MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, 55, 4, 932-937 10.1002/mop.27452, APR 2013.

1199. Dai, L.; Satyanarayana, N.; Sinha, Sujeet K.; Tan, V. B. C. Analysis of PFPE lubricating film in NEMS application via molecular dynamics simulation , TRIBOLOGY INTERNATIONAL 60, 53-57, 10.1016/j.triboint.2012.10.021, APR 2013.

1200. Myint, Sandar Myo; Minn, Myo; Ren Yaping; Satyanarayana, N.; Sinha, Sujeet K.; Bhatia, Charanjit S. Friction and wear durability studies on the 3D negative fingerprint and honeycomb textured SU-8 surfaces, TRIBOLOGY INTERNATIONAL, 60, 187-197, 10.1016/j.triboint.2012.10.020 APR 2013.

1021. Tiwary, Chandra Sekhar; Verma, Akash; Kashyap, Sanjay; Biswas, Krishanu; Chattopadhyay, Kamanio, Preparation of Freestanding Zn Nanocrystallites by Combined Milling at Cryogenic and Room Temperatures, METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, 44A, 4, 1917-1924, 10.1007/s11661-012-1508-7 APR 2013.

1202. Majumder, Abhik; Mehta, Balkrishna; Khandekar, Sameer, Local Nusselt number enhancement during gas-liquid Taylor bubble flow in a square mini-channel: An experimental study INTERNATIONAL JOURNAL OF THERMAL SCIENCES, 66, 8-18 10.1016/j.ijthermalsci.2012.11.003, APR 2013.

1203. Chandra, Avinash; Chhabra, R. P. Momentum and Heat Transfer from a Semi-Circular Cylinder to Power-Law Fluids in the Vortex Shedding Regime, NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, 63, 7, 489-510, 10.1080/10407782.2013.742773, APR 1 2013.

1204. Agarwal, Avinash Kumar; Dhar, Atul Dhar, ATUL/B-6442-2009 Dhar, ATUL/0000-0003-3958-9986, Experimental investigations of performance, emission and combustion characteristics of Karanja oil blends fuelled DICI engine, RENEWABLE ENERGY, 52, 283-291, 10.1016/j.renene.2012.10.015 APR 2013.

1205. Yadav, Vivek Kumar; Chandra, Amalendu, Dynamics of hydrogen bonds and vibrational spectral diffusion in liquid methanol from first principles simulations with dispersion corrected density functional CHEMICAL PHYSICS, 415, 1-7, 10.1016/j.chemphys.2013.01.029, MAR 29 2013.

1206. Kumar, Pradeep; Sathyamurthy, N. An ab initio quantum chemical investigation of the structure and stability of ozone-water complexes, CHEMICAL PHYSICS, 415, 214-221, 10.1016/j.chemphys.2013.01.008, MAR 29 2013,

1207. Ashfaq, Mohammad; Singh, Shiv; Sharma, Ashutosh; Verma, Nishith Sharma, Ashutosh/D-1034-2011 Sharma, Ashutosh/0000-0002-2653-0806, Cytotoxic Evaluation of the Hierarchical Web of Carbon Micronanofibers, INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 52, 12, 4672-4682 10.1021/ie303273s, MAR 27 2013.

1208. Ramaiah, K. V.; Saikrishna, C. N.; Gouthama; Bhaumik, S. K. Microstructure and transformation behaviour of Ni₇₅-XTiXPd₂₅ high temperature shape memory alloys, JOURNAL OF ALLOYS AND COMPOUNDS, 554, 319-326, 10.1016/j.jallcom.2012.11.165, MAR 25 2013.

1209. Raheem, Abdur; Bahuguna, Dhirendra, DELAY DIFFERENTIAL EQUATIONS WITH HOMOGENEOUS INTEGRAL CONDITIONS ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 78, MAR 22 2013.

1210. Chaudhary, Arvind; Iqbal, Sk Asif; Brahma, Sanfaori; Rath, Sankar Prasad, Formation of exo-exo, exo-endo and tweezer conformation induced by axial ligand in a Zn(II) bisporphyrin: Synthesis, structure and properties, POLYHEDRON, 52 SI, 761-769, 10.1016/j.poly.2012.07.055, MAR 22 2013.

1211. Moula, Golam; Bose, Moumita; Datta, Harashit; Sarkar, Sabyasachi, Photoluminescent Mo(IV) and W(IV) bis-dithiolene complexes with bidentate phosphonodithioato ligand derived from Lawesson's reagent, POLYHEDRON, 52 SI, 900-908, 10.1016/j.poly.2012.07.024, MAR 22 2013.

1212. Ahmad, Musheer; Bharadwaj, Parimal K. Synthesis of coordination polymers with d(10) metal ions and a new linear ligand: X-ray structural and luminescence studies, POLYHEDRON , 52 SI, 1145-1152, 10.1016/j.poly.2012.06.055, MAR 22 2013.
1213. Chandrasekhar, Vadapalli; Kumar, Arun; Pandey, Mrituanjay D.; Metre, Ramesh K. Telluroxane-supported coordination ligands: Synthetic and structural aspects, POLYHEDRON 52 SI, 1362-1368, 10.1016/j.poly.2012.06.005, MAR 22 2013.
1214. Mishra, Ashutosh Kumar; Prajapati, Rajneesh Kumar; Verma, Sandeep Mishra, Ashutosh /A-6277-2010, Adenine supported hydroxyl-bridged dicopper core as a catalytically competent unit for phenol oxidation, POLYHEDRON, 52SI, 1385-1390, 10.1016/j.poly.2012.05.013, MAR 22 2013.
1215. Sharma, Satinder K.; Gaur, Himani; Kulkarni, Manish; Patil, Ganesh; Bhattacharya, Bishakh; Sharma, Ashutosh Kulkarni, Manish/A-8084-2008; Sharma, Ashutosh/D-1034-2011 Kulkarni, Manish/0000-0001-6766-4539; Sharma, Ashutosh/0000-0002-2653-0806 PZT-PDMS composite for active damping of vibrations, COMPOSITES SCIENCE AND TECHNOLOGY, 77 , 42-51 10.1016/j.compscitech.2013.01.004, MAR 22 2013.
1216. Singh, Suman; Garg, Sourav; Chahal, Jitender; Raheja, Khushboo; Singh, Deepak; Singla, M. L. Luminescent behavior of cadmium sulfide quantum dots for gallic acid estimation NANOTECHNOLOGY, 24, 11 , 115602, 10.1088/0957-4484/24/11/115602, MAR 22 2013.
1217. Babu, H. Aswath; Wanare, Harshawardhan , Coherent control of the refractive index using optical bistability, PHYSICAL REVIEW A, 87, 3, 033821, 10.1103/PhysRevA.87.033821 , MAR 19 2013.
1218. Mitra, Joyee; Sarkar, Sabyasachi, Oxo-Mo(IV)(dithiolene)thiolato Complexes: Analogue of Reduced Sulfite Oxidase, INORGANIC CHEMISTRY, 52, 6, 3032-3042, 10.1021/ic302485c MAR 18 2013.
1219. Kumar, Dushyant; Joshi, P. C.; Hossain, Z.; Budhani, R. C. Spin polarized carrier injection from full Heusler alloy Co₂MnSi into superconducting NbN, APPLIED PHYSICS LETTERS , 102, 11 112409 10.1063/1.4798286, MAR 18 2013.
1220. Liu, Yemei; Sinha, Sujeet K. Wear performances and wear mechanism study of bulk UHMWPE composites with nacre and CNT fillers and PFPE overcoat , WEAR, 300, 1-2, 44-54, 10.1016/j.wear.2013.01.102, MAR 15 2013.
1221. Sharma, S.; Sangal, S.; Mondal, K. On the optical microscopic method for the determination of ball-on-flat surface linearly reciprocating sliding wear volume, WEAR, 300, 1-2 , 82-89 10.1016/j.wear.2013.01.107, MAR 15 2013.

1222. Mohanta, S. K.; Mishra, S. N.; Davane, S. M.; Kumar, Neeraj; Thamizhavel, A.; Layek, S.; Hossain, Z.; Srivastava, S. K. Local probe studies of Fe hyperfine field in CaFe₂As₂ by time differential perturbed angular distribution (TDPAD) spectroscopy and ab initio methods , NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, 299, 71-76, 10.1016/j.nimb.2013.02.001, MAR 15 2013.

1223. Swamee, Prabhata K.; Sharma, Ashok K. Sharma, Dr Ashok/A-4945-2008; Zhao, Kefei/A-1080-2012, Sharma, Dr Ashok/0000-0002-0172-5033; Zhao, Kefei/0000-0002-0369-0874 , Optimal design of a sewer line using Linear Programming, APPLIED MATHEMATICAL MODELLING, 37, 6 4430-4439, 10.1016/j.apm.2012.09.041, MAR 15 2013.

1224. Reddy, N. Parvathala; Gupta, Rajeev; Agarwal, S. C. Gupta, Rajeev/C-8262-2012 Gupta, Rajeev/0000-0002-8328-9780, Electrical conduction and Meyer-Neldel Rule in nanocrystalline silicon thin films, JOURNAL OF NON-CRYSTALLINE SOLIDS, 364, 69-76 10.1016/j.jnoncrysol.2013.01.011, MAR 15 2013.

1225. Ghorai, Manas K.; Ghosh, Koena; Yadav, A. K.; Nanaji, Y.; Halder, Sandipan; Sayyad, Masthanvali, Memory of Chirality (MOC) Concept in Imino-Aldol Reaction: Enantioselective Synthesis of alpha,beta-Diamino Esters and Aziridines, JOURNAL OF ORGANIC CHEMISTRY, 78, 6, 2311-2326, 10.1021/jo302018a, MAR 15 2013.

1226. Ghorai, Manas K.; Tiwari, Deo Prakash, Enantioselective Synthesis of 4,5-Dihydropyrroles via Domino Ring-Opening Cyclization (DROC) of N-Activated Aziridines with Malononitrile JOURNAL OF ORGANIC CHEMISTRY, 78, 6 , 2617-2625, 10.1021/jo302815m, MAR 15 2013.

1227. Singh, Puneet; Mondal, Kunal; Sharma, Ashutosh Mondal, Kunal/D-6827-2013; Sharma, Ashutosh/D-1034-2011 Mondal, Kunal/0000-0003-1665-7755; Sharma, Ashutosh/0000-0002-2653-0806 Reusable electrospun mesoporous ZnO nanofiber mats for photocatalytic degradation of polycyclic aromatic hydrocarbon dyes in wastewater , JOURNAL OF COLLOID AND INTERFACE SCIENCE 394, 208-215, 10.1016/j.jcis.2012.12.006, MAR 15 2013.

1228. Banerjee, Amit; Banerjee, S. S. Fabrication of single and coupled metallic nanocantilevers and their nanomechanical response at resonance, NANOTECHNOLOGY , 24, 10 , 105306, 10.1088/0957-4484/24/10/105306, MAR 15 2013.

1229. Guha, Suman; Sangal, Sandeep; Basu, Sumit, Finite Element studies on indentation size effect using a higher order strain gradient theory , INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES 50, 6, 863-875, 10.1016/j.ijsolstr.2012.10.017, MAR 15 2013.

1230.Sahu, Nityananda; Yeole, Sachin D.; Gadre, Shridhar R. Appraisal of molecular tailoring approach for large clusters, JOURNAL OF CHEMICAL PHYSICS, 138, 10 , 104101, 10.1063/1.4793706 MAR 14 2013.

1231.Chandra, Mani; Verma, Mahendra K. verma, mahendra/G-4041-2013 verma, mahendra/0000-0002-3380-4561 , Flow Reversals in Turbulent Convection via Vortex Reconnections , PHYSICAL REVIEW LETTERS, 110, 11, 11450310.1103/PhysRevLett.110.114503, MAR 14 2013.

1232.Roy, Abhijit Chandra; Nisha, V. S.; Dhand, Chetna; Ali, Md Azahar; Malhotra, B. D. Dhand, Chetna/H-9301-2013, Molecularly imprinted polyaniline-polyvinyl sulphonic acid composite based sensor for para-nitrophenol detection , ANALYTICA CHIMICA ACTA, 777 , 63-71, 10.1016/j.aca.2013.03.014, MAR 13 2013.

1233.Singh, Kaman; Mohan, Sudhanshu; Singh, Vimallesh Kumar; Bharose, Ram; Singh, Pavan Recent developments in white sugar solution colorimetry, SUGAR INDUSTRY-ZUCKERINDUSTRIE, 138, 3, 159-163, MAR 5 2013.

1234.Chandrasekhar, Vadapalli; Dey, Atanu; Das, Sourav; Rouzieres, Mathieu; Clerac, Rodolphe, Syntheses, Structures, and Magnetic Properties of a Family of Heterometallic Heptanuclear [Cu(5)Ln(2)] (Ln = Y(III), Lu(III), Dy(III), Ho(III), Er(III), and Yb(III)) Complexes: Observation of SMM behavior for the Dy(III) and Ho(III) Analogues , INORGANIC CHEMISTRY, 52, 5, 2588-2598, 10.1021/ic302614k MAR 4 2013.

1235.Thanigaiarasu, S.; Karthick, R.; Arunprasad, R.; SyedMusthafa, H.; Elangovan, S.; Rathakrishnan, E. Study of Underexpanded Sonic Jets by Numerical Simulation, INTERNATIONAL JOURNAL OF TURBO & JET-ENGINES, 30,1, 101-109, 10.1515/tjj-2012-0023, MAR 2013.

1236. Prakash, Surya; Gupta, Phalguni, An efficient ear recognition technique invariant to illumination and pose, TELECOMMUNICATION SYSTEMS, 52, 3, 1435-1448, 10.1007/s11235-011-9621-2 MAR 2013.

1237.Choi, Soon Mo; Singh, Deepti; Kumar, Ashok; Oh, Tae Hwan; Cho, Yong Woo; Han, Sung Soo, Porous Three-Dimensional PVA/Gelatin Sponge for Skin Tissue Engineering , INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 62, 7, 384- 389, 10.1080/00914037.2012.710862, MAR 1 2013.

1238.Layek, Samar; Mohapatra, M.; Anand, S.; Verma, H. C. Mossbauer and Magnetic Studies of Surfactant Mediated Ca-Mg Doped Ferrihydrite Nanoparticles, JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 13, 3, 1834-1840, 10.1166/jnn.2013.7109, MAR 2013.

1239.Layek, Samar; Verma, H. C. Room Temperature Ferromagnetism in Fe-Doped CuO Nanoparticles
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 13, 3, 1848-1853,
10.1166/jnn.2013.7110, MAR 2013.

1240.Singh, Dev Bukhsh; Gupta, Manish Kumar; Singh, Durg Vijay; Singh, Sushil Kumar; Misra,
Krishna, Docking and in silico ADMET Studies of Noraristeromycin, Curcumin and Its Derivatives with
Plasmodium falciparum SAH Hydrolase: A Molecular Drug Target against Malaria
INTERDISCIPLINARY SCIENCES-COMPUTATIONAL LIFE SCIENCES, 5, 1 , 1, 12,
10.1007/s12539-013-0147-z, MAR 2013.

1241. Sujatha, R.; Arunagiri, D.; Singh, Desh Nidhi; Hariomsharan, Diagnosis of Helicobacter pylori
Associated Acid Peptic Disease by Serology and Rapid Urease Test, JOURNAL OF PURE AND
APPLIED MICROBIOLOGY, 7, 1, 691-695, MAR 2013.

1242.Arora, Sandeep; Arora, Gulhima; Gupta, Anindya K.; Singh, Gurdeep, Bullous auto erythrocyte
sensitization syndrome in alcohol dependence , INDIAN JOURNAL OF DERMATOLOGY
VENEREOLGY & LEPROLOGY, 79, 2, 10.4103/0378-6323.107673, MAR-APR 2013.

1243.Zhang, Rong; Wang, Li; Parr, Gerard; Aliu, Osianoh Glenn; Awoseyila, Benga; Azarmi, Nader;
Bhatti, Saleem; Bigham, John; Bodanese, Eliane; Chen, Hong; Dianati, Mehrdad; Dutta, Amit; Fitch,
Michael; Giridhar, K.; Hailes, Steve; Hari, K. V. S.; Imran, Muhammad Ali; Jagannatham, Aditya K.;
Karandikar, Abhay; Kawade, Santosh; Khan, Mohammed Zafar Ali; Kompalli, Sayee C.; Langdon,
Patrick; Narayanan, Babu; Mauthe, Andreas; McGeehan, Joseph; Mehta, Neelesh; Millet, Klutto;
Moessner, Klaus; Rajashekar, Rakshith; Ramkumar, Barathram; Ribeiro, Vinay; Vasudevan, Kasturi;
Hanzo, Lajos, Advances in Base- and Mobile-Station Aided Cooperative Wireless Communications
IEEE VEHICULAR TECHNOLOGY MAGAZINE, 8, 1, 57-69, 10.1109/MVT.2012.2234254, MAR
2013.

1244. Gulati, Megha; Jain, Nikhil; Anand, Baskaran; Prakash, Balaji; Britton, Robert A. Mutational
analysis of the ribosome assembly GTPase RbgA provides insight into ribosome interaction and ribosome-
stimulated GTPase activation, NUCLEIC ACIDS RESEARCH , 41, 5, 3217-3227 10.1093/nar/gks1475,
MAR 2013.

1245.Tewari, Ashish, Adaptive Vectored Thrust Deorbiting of Space Debris , JOURNAL OF
SPACECRAFT AND ROCKETS, 50, 2, 394-401, 10.2514/1.A32421, MAR-APR 2013.

1246.Kumar, Chandan; Gupta, Anil Kumar; Nath, Rohit; Ahmad, Javed , Open reduction and locking plate
fixation of displaced proximal humerus fractures, INDIAN JOURNAL OF ORTHOPAEDICS, 47, 2, 156-
160, 10.4103/0019-5413.108903, MAR-APR 2013.

1247. Layek, Samar; Saha, Santanu; Verma, H. C. Preparation, structural and magnetic studies on BiFe_{1-x}CrxO₃ (x=0.0, 0.05 and 0.1) multiferroic nanoparticles, AIP ADVANCES, 3, 3, 03214010.1063/1.4799063, MAR 2013.

1248. Chatterjee, Shubhayu; Banerjee, Narayan, Modified Ricci flow and asymptotically nonflat spaces, CANADIAN JOURNAL OF PHYSICS , 91, 3, 198-200 , 10.1139/cjp-2012-0262, MAR 2013.

1249. Shukla, R. K.; Kumar, Atul; Srivastava, Urvashi; Awasthi, Naveen; Pandey, J. D. Critical evaluation of surface tension of binary liquid mixtures from associated and nonassociated processes at various temperatures: an experimental and theoretical study, CANADIAN JOURNAL OF PHYSICS 91, 3, 211-220, 10.1139/cjp-2012-0026, MAR 2013.

1250. Kalmodia, Sushma; Basu, Bikramjit; Webster, Thomas J. Gene expression in osteoblast cells treated with submicron to nanometer hydroxyapatite-mullite eluate particles , JOURNAL OF BIOMATERIALS APPLICATIONS, 27, 7, 891-908, 10.1177/0885328211430422, MAR 2013.

1251. Maurya, Rakesh Kumar; Pal, Dev Datt; Agarwal, Avinash Kumar, Digital signal processing of cylinder pressure data for combustion diagnostics of HCCI engine , MECHANICAL SYSTEMS AND SIGNAL PROCESSING, 36, 1, 95-109, 10.1016/j.ymsp.2011.07.014, MAR 2013.

1252. Islam, M. Nurul; Mazhari, B. Organic thin film transistors with asymmetrically placed source and drain contact, ORGANIC ELECTRONICS, 14, 3, 862-867, 10.1016/j.orgel.2012.12.037, MAR 2013.

1253. Bogdan, Paul; Jain, Siddharth; Marculescu, Radu, Pacemaker Control of Heart Rate Variability: A Cyber Physical System Perspective, ACM TRANSACTIONS ON EMBEDDED COMPUTING SYSTEMS, 12, 50, 10.1145/2435227.2435246, 1, MAR 2013.

1254. Agarwal, Rashmi A.; Aijaz, Arshad; Sanudo, Carolina; Xu, Qiang; Bharadwaj, Parimal K. Xu, Qiang/H-4997-2011; Sanudo, E. Carolina/A-8384-2014 Sanudo, E. Carolina/0000-0001-9647-6406 Gas Adsorption and Magnetic Properties in Isostructural Ni(II), Mn(II), and Co(II) Coordination Polymers, CRYSTAL GROWTH & DESIGN, 13, 3, 1238-1245, 10.1021/cg3016904, MAR 2013 .

1255. Sharma, Ishan, Structural stability of rubble-pile asteroids, ICARUS, 223, 1, 367-382 10.1016/j.icarus.2012.11.005, MAR 2013.

1256. Mishra, Sudib K.; Chakraborty, Subrata , Performance of a Base-Isolated Building with System Parameter Uncertainty Subjected to a Stochastic Earthquake, INTERNATIONAL JOURNAL OF ACOUSTICS AND VIBRATION, 18, 1, 7-19, MAR 2013.

1257. Roy, Manas; Meena, Sunil Kumar; Singh, Sushil Kumar; Sethy, Niroj Kumar; Bhargava, Kalpana; Sarkar, Sabyasachi; Das, Mainak, Presence of stable carbon centric free radicals and ferromagnetic elements in the antennae and the wings of nocturnal silk moth: A magnetic nanostructure for magneto sensing , MATERIALS EXPRESS, 3, 1, 43-50, 10.1166/mex.2013.1104 , MAR 2013.

1258. Singh, Brajendra; Kumar, Samayendra; Basu, Bikramjit; Gupta, Rajeev Singh, Brajendra/A-5518-2012; Gupta, Rajeev/C-8262-2012 Singh, Brajendra/0000-0001-9587-8817; Gupta, Rajeev/0000-0002-8328-9780, Enhanced ionic conduction in hydroxyapatites , MATERIALS LETTERS , 95, 100-102 10.1016/j.matlet.2012.12.074, MAR 1 2013.

1259. Patil, Ganesh C.; Qureshi, S. Engineering buried oxide in dopant-segregated Schottky barrier SOI MOSFET for nanoscale CMOS circuits, MICROELECTRONICS RELIABILITY , 53, 3, 349-355, 10.1016/j.microrel.2012.09.010, MAR 2013.

1260. Varshney, Rajeev K.; Song, Chi; Saxena, Rachit K.; Azam, Sarwar; Yu, Sheng; Sharpe, Andrew G.; Cannon, Steven; Baek, Jongmin; Rosen, Benjamin D.; Tar'an, Bunyamin; Millan, Teresa; Zhang, Xudong; Ramsay, Larissa D.; Iwata, Aiko; Wang, Ying; Nelson, William; Farmer, Andrew D.; Gaur, Pooran M.; Soderlund, Carol; Penmetsa, R. Varma; Xu, Chunyan; Bharti, Arvind K.; He, Weiming; Winter, Peter; Zhao, Shancen; Hane, James K.; Carrasquilla-Garcia, Noelia; Condie, Janet A.; Upadhyaya, Hari D.; Luo, Ming-Cheng; Thudi, Mahendar; Gowda, C. L. L.; Singh, Narendra P.; Lichtenzveig, Judith; Gali, Krishna K.; Rubio, Josefa; Nadarajan, N.; Dolezel, Jaroslav; Bansal, Kailash C.; Xu, Xun; Edwards, David; Zhang, Gengyun; Kahl, Guenter; Gil, Juan; Singh, Karam B.; Datta, Swapan K.; Jackson, Scott A.; Wang, Jun; Cook, Douglas R. Singh, Karam/C-3235-2012; Hane, James/A-7062-2011; Varshney, Rajeev/C-5295-2014; Wang, Jun/A-7261-2013; Dolezel, Jaroslav/B-7716-2008 Hane, James/0000-0002-7651-0977; Varshney, Rajeev/0000-0002-4562-9131; Wang, Jun/0000-0002-1422-3331; Dolezel, Jaroslav/0000-0002-6263-0492, Draft genome sequence of chickpea (*Cicer arietinum*) provides a resource for trait improvement , NATURE BIOTECHNOLOGY, 31, 3, 240-246, 10.1038/nbt.2491, MAR 2013.

1261. Devi, J. Jai; Gupta, Tarun; Jat, Rajmal; Tripathi, S. N. Measurement of personal and integrated exposure to particulate matter and co-pollutant gases , ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, 20, 3, 1632 -1648, 10.1007/s11356-012-1179-3, MAR 2013.

1262. Gupta, Manu; Kamani, P. K.; Shukla, R. K. The preparation and characteristics of surface treated barium sulfate extender pigment, JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, 10, 2, 189-198, 10.1007/s11998-012-9433-7, MAR 2013.

1263. Jain, Prateek; Mandal, Tapendu; Prakash, Prem; Garg, Ashish; Balani, Kantesh Garg, Ashish/F-9843-2010, Electrophoretic deposition of nanocrystalline hydroxyapatite on Ti6Al4V/TiO₂ substrate JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, 10, 2, 263-275 , 10.1007/s11998-012-9438-2 , MAR 2013.

1264. Vajpai, S. K.; Dube, R. K.; Kanwat, A.; Kumawat, S. Vajpai, Sanjay/G-4482-2012 Vajpai, Sanjay/0000-0002-5649-9846, Synthesis and characterisation of Cu-W nanocomposite strips, MATERIALS SCIENCE AND TECHNOLOGY, 29, 3, 285-293 , 10.1179/1743284712Y.0000000136 MAR 2013.

1265. Jain, R. K.; Majumder, S.; Dutta, A. SCARA based peg-in-hole assembly using compliant IPMC micro gripper, ROBOTICS AND AUTONOMOUS SYSTEMS, 61, 3, 297-311 10.1016/j.robot.2012.12.001, MAR 2013.

1266. Pushpa, Kumari; Kumar, Ganga Anil; Subramaniam, Kuppuswamy, PUF-8 and TCER-1 are essential for normal levels of multiple mRNAs in the C. elegans germline, DEVELOPMENT, 140, 6 1312-1320, 10.1242/dev.087833, MAR 2013.

1267. Thakur, Prabhat Kumar; Mathur, Anil Kumar; Gautam, Shashi Bala; Balomajumder, Chandrajit; Rahul, Determination of Mass Transfer Coefficients for A Mixture of Compost, Sugarcane Bagasse, and Granulated Activated Carbon as Packing Medium in Biofilter , BIOREMEDIATION JOURNAL, 17, 1, 61-70, 10.1080/10889868.2012.731448, MAR 1 2013.

1268. Chakraborty, I.; Biswas, G.; Ghoshdastidar, P. S. A coupled level-set and volume-of-fluid method for the buoyant rise of gas bubbles in liquids, INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 58, 1-2, 240-259, 10.1016/j.ijheatmasstransfer.2012.11.027, MAR 2013.

1269. Tiwari, Anurag Kumar; Chhabra, R. P. TIWARI, ANURAG/G-3074-2011, Laminar natural convection in power-law liquids from a heated semi-circular cylinder with its flat side oriented downward INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, 58, 1-2, 553 -567, 10.1016/j.ijheatmasstransfer.2012.11.051, MAR 2013.

1270. Kumar, S.; Srinivasulu, N.; Munshi, P.; Khanna, A. Flow regime transition identification in three phase co-current bubble columns , CANADIAN JOURNAL OF CHEMICAL ENGINEERING 91, 3, 516-523, 10.1002/cjce.21688, MAR 2013.

1271. Yadav, Rakesh; Kushari, Abhijit; Eswaran, Vinayak; Verma, Atul K. A numerical investigation of the Eulerian PDF transport approach for modeling of turbulent non-premixed pilot stabilized flames, COMBUSTION AND FLAME, 160, 3, 618-634, 10.1016/j.combustflame.2012.11.010, MAR 2013.

1272. Adda, Ravindranath; Ray, Olive; Mishra, Santanu K.; Joshi, Avinash, Synchronous-Reference-Frame-Based Control of Switched Boost Inverter for Standalone DC Nanogrid Applications, IEEE TRANSACTIONS ON POWER ELECTRONICS, 28, 3, 1219-1233, 10.1109/TPEL.2012.2211039, MAR 2013.

1273. Jayakumar, K.; Yadav, D.; Rao, B. Nageswara, Moderately large deflection analysis of simply supported piezo-laminated composite plates under uniformly distributed transverse load, INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS, 49, 137-144, 10.1016/j.ijnonlinmec.2012.10.006, MAR 2013.

1274. Shinde, Vijaysingh; Dutta, Ashish; Saxena, Anupam, Experiments on multi-agent capture of a stochastically moving object using modified projective path planning , 2, ROBOTICA, 31 267-284, 10.1017/S0263574712000239, MAR 2013.

1275. Tripathi, Ritu; Upadhyay, Santosh K. INHIBITION EFFECT OF SURFACTANTS IN ALKALINE KMNO₄ OXIDATION OF DISACCHARIDES; A KINETIC STUDY JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, 58, 1, 1571-1575, MAR 2013.

1276. Arora, Vipul; Behera, Laxmidhar, On-Line Melody Extraction from Polyphonic Audio Using Harmonic Cluster Tracking, IEEE TRANSACTIONS ON AUDIO SPEECH AND LANGUAGE PROCESSING, 21, 3, 520-530, 10.1109/TASL.2012.2227731, MAR 2013.

1277. Jha, J. K.; Shanker, Kripa, A coordinated two-phase approach for operational decisions with vehicle routing in a single-vendor multi-buyer system, INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH, 51, 5, 1426-1450, 10.1080/00207543.2012.693962, MAR 1 2013.

1278. Patel, Sandeep K. S.; Gajbhiye, Namdeo S. Oxygen deficiency induced ferromagnetism in Cr-doped TiO₂ nanorods, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, 330, 21-24, 10.1016/j.jmmm.2012.09.043, MAR 2013.

1279. Jain, Vipin; Mishra, Rajiv S.; Gouthama Mishra, Rajiv/A-7985-2009, Mishra, Rajiv/0000-0002-1699-0614, Superplastic behavior and microstructural stability of friction stir processed AZ91C alloy, JOURNAL OF MATERIALS SCIENCE, 48, 6, 2635-2646, 10.1007/s10853-012-7057-z ,MAR 2013.

1280. Lama, Dilraj; Modi, Vivek; Sankararamkrishnan, Ramasubbu, Behavior of Solvent-Exposed Hydrophobic Groove in the Anti-Apoptotic Bcl-X-L Protein: Clues for Its Ability to Bind Diverse BH3 Ligands from MD Simulations, PLOS ONE, 8, 2, e54397 10.1371/journal.pone.0054397, FEB 28 2013.

1281. Bhute, Vijesh J., Chatterjee, Abhijit Chatterjee, Abhijit/G-6421-2013, Accuracy of a Markov state model generated by searching for basin escape pathways , JOURNAL OF CHEMICAL PHYSICS,138,8,084103,10.1063/1.4792439,FEB 28 2013.

1282. Rafiq, Shahnawaz; Sen, Pratik, Dielectric controlled excited state relaxation pathways of a representative push-pull stilbene: A mechanistic study using femtosecond fluorescence up-conversion technique, JOURNAL OF CHEMICAL PHYSICS, 138, 8, 084308,10.1063/1.4792933,FEB 28 2013.

1283.Ghosh, Surajit; Adler-Abramovich, Lihi; Gazit, Ehud; Verma, Sandeep, Gazit, Ehud/C-3715-2011, Gazit, Ehud/0000-0001-5764-1720, Spacer driven morphological twist in Phe-Phe dipeptide conjugates,TETRAHEDRON,69,8,2004,2009,10.1016/j.tet.2012.12.063, FEB 25 2013.

1284.Gupta, Ankur; Sarkar, Joyita; Kumar, Ashok, High throughput analysis and capture of benzo[a]pyrene using supermacroporous poly(4-vinyl pyridine-co-divinyl benzene) cryogel matrix, JOURNAL OF CHROMATOGRAPHY A,1278,16,21,10.1016/j.chroma.2012.12.074,FEB 22 2013.

1285.Nirmalkar, N.; Chhabra, R. P., Mixed convection from a heated sphere in power-law fluids, CHEMICAL ENGINEERING SCIENCE,89,49 7,10.1016/j.ces.2012.11.031,FEB 15 2013.

1286. Jha, J. K.; Shanker, Kripa, Single-vendor multi-buyer integrated production-inventory model with controllable lead time and service level constraints, APPLIED MATHEMATICAL MODELLING,37,4,1753,1767,10.1016/j.apm.2012.04.042,FEB 15 2013.

1287.Mishra, Rupali; Ahmad, Musheer; Tripathi, Madhav Ram, Different dimensional and structural variations in coordination polymers of d(10) metal ions constructed from a benzimidazole based carboxylate linker,POLYHEDRON,50,1,22,30,10.1016/j.poly.2012.09.062,FEB 13 2013.

1288.Mishra, Rupali; Ahmad, Musheer; Tripathi, Madhav Ram; Butcher, Ray J., Four novel coordination polymers of transition metals built using a semi rigid oxygen donor ligand: Crystal structures, novel topology and emission studies,POLYHEDRON,50,1,169,178,10.1016/j.poly.2012.10.045,FEB 13 2013.

1289.Anand, Baskaran; Majumdar, Soneya; Prakash, Balaji, Structural Basis Unifying Diverse GTP Hydrolysis Mechanisms , BIOCHEMISTRY, 52,6, 1122,1130, 10.1021/bi3014054, FEB 12 2013.

1290.Goswami, Tapas; Das, Dipak K.; Goswami, Debabrata, Goswami, Debabrata/A-9347-2009, Goswami, Debabrata/0000-0002-2052-0594, Controlling the femtosecond laser-driven transformation of dicyclopentadiene into cyclopentadiene, CHEMICAL PHYSICS LETTERS, 558, 1,7,10.1016/j.cplett.2012.10.054,FEB 12 2013.

1291.Sharma, Sachil; Ningthoujam, Raghumani S.; Gajbhiye, Namdeo S., Spin-glass-like behavior of surfactant capped Co₅₀Ni₅₀ nanoparticles, CHEMICAL PHYSICS LETTERS,558,48,52, 10.1016/j.cplett.2012.12.003,FEB 12 2013.

1292.Pessah, Martin E.; Chakraborty, Sagar, THE STABILITY OF WEAKLY COLLISIONAL PLASMAS WITH THERMAL AND COMPOSITION GRADIENTS ASTROPHYSICAL, JOURNAL, 764, 1,13,10.1088/0004-637X/764/1/13, FEB 10 2013.

1293.Saxena, Anupam; Sauer, Roger. A., Combined gradient-stochastic optimization with negative circular masks for large deformation topologies, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, 93, 6, 63, 5, 663, 10.1002/nme.440, FEB 10 2013.

1294.Singh, Abhishek Kumar; Kumar, Jitendra, Evaluation of field emission parameters in a copper nano-tip based diode, JOURNAL OF APPLIED PHYSICS,113,5,053303,10.1063/1.4790323,FEB 7 2013.

1295.Gupta, Anjali; Yunus, Mohammed; Sankararamkrishnan, Nalini Chitosan- and Iron-Chitosan-Coated Sand Filters: A Cost-Effective Approach for Enhanced Arsenic Removal, INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 52, 5, 2066, 2072, 10.1021/ie302428z, FEB 6 2013.

1296.Majumder, Moumita; Mishra, Brijesh Kumar; Sathyamurthy, N. CH center dot center dot center dot pi and pi center dot center dot center dot pi interaction in benzene-acetylene clusters, CHEMICAL PHYSICS LETTERS, 557, 59, 65, 10.1016/j.cplett.2012.12.027, FEB 5 2013.

1297.Singh, Devendra P.; Shahi, K.; Kar, Kamal K. Scaling behavior and nearly constant loss effect in AgI-LiPO₃ composite glasses, SOLID STATE IONICS, 231, 102,108, 10.1016/j.ssi.2012.10.025 FEB 4 2013.

1298.Maity, Shubhra B.; Bharadwaj, Parimal K., A Chemosensor Built with Rhodamine Derivatives Appended to an Aromatic Platform via 1, 2, 3-Triazoles: Dual Detection of Aluminum(III) and Fluoride/Acetate Ions, INORGANIC CHEMISTRY, 52, 3,1161, 1163, 10.1021/ic301915s, FEB 4 2013.

