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New Arrivals Journals Details

Name of the Journal	Bulletin of Materials Science
Frequency/ Period/Vol/Iss.	Vol. 37 No. 1 February, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Synthesis and characterization of TiO₂-SiO₂ nanoparticles as catalyst for dehydrogenation of 1,4-dihydropyridines 2. Investigation of electroluminescence properties of CdTe@CdS core-shell nanocrystals (NCs) 3. Green wet chemical route to synthesize capped CdSe quantum dots 4. Influence of preparation conditions on superconducting properties of Bi-2223 thin films 5. Bath temperature impact on morphological evolution of Ni(OH)₂ thin films and their supercapacitive behaviour 6. Analysis of Li-related defects in ZnO thin films influenced by annealing ambient 7. Effects of thickness on electronic structure of titanium thin films 8. Electrical conduction and thermal properties of Bi-doped Pr_{0.7}Sr_{0.3}MnO₃ manganite 9. Effect of copper doping on structural, optical and electrical properties of Cd_{0.8}Zn_{0.2}S films prepared by chemical bath deposition 10. Electrochemical behavior of grapheme-poly (3,4-ethylene-dioxythiophene) (PEDOT) composite electrodes for supercapacitor applications 11. Study of electroless copper plating on ABS resin surface modified by heterocyclic organosilane self-associated film 12. NbCl₅ and CrCl₃ catalysts effect on synthesis and hydrogen storage performance of Mg-Ni-NiO composites 13. Relook on fitting of viscosity with undercooling of glassy liquids 14. High mobility polymer gated organic field effect transistor using zinc phthalocyanine 15. Modelling anisotropic water transport in polymer composite reinforced with aligned triangular bars 16. Influence of hydrophobic characteristic of organo-modified precursor on wettability of silica film 17. Sintering, camber development of layer composites and a new method to eliminate or decrease camber 18. Photoluminescence, thermally stimulated luminescence and electron paramagnetic resonance studies of U⁶⁺ doped BaSO₄ 19. Investigation of thermoelectric SiC ceramics for energy harvesting applications on supersonic vehicles leading-edges 20. Soft mode and acoustic mode ferroelectric properties of deuterated triglycine sulphate crystal 21. Porous graphite materials obtained from carbonization of organic xerogels doped with transition metal salts

	<p>22. Studies on bulk growth, structural and microstructural characterization of 4-aminobenzophenone single crystal grown from vertical Bridgman</p> <p>23. Characterization of neutrophil adhesion to different titanium surfaces</p>
Name of the Journal	Bulletin of Materials Science
Frequency/ Period/Vol/Iss.	Vol. 36 No. 7 December, 2013
Articles/ Contents	<p>24. Preparation and characterization of DLC/SiO₂O₂/Al₂O₃ nanofiltration membrane</p> <p>25. Nanoindentation study of Gd-deposited Y BaCuO superconductor</p> <p>26. Yb³⁺ and Er³⁺ co-doped Y₂Ce₂O₇ nanoparticles: synthesis and spectroscopic properties</p> <p>27. Effect of variation of precursor concentration on structural, microstructural, optical and gas sensing properties of nanocrystalline TiO₂ thin films prepared by spray pyrolysis techniques</p> <p>28. Preparation and characteristics of nanotetrapods CdSe-polymer hybrid cells</p> <p>29. Iron nanoparticles from blood coated with collagen as a matrix for synthesis of nanohydroxyapatite</p> <p>30. Supercapacitive performance of hydrous ruthenium oxide (RuO₂.nH₂O) thin films synthesized by chemical route at low temperature</p> <p>31. High growth rate of a-SiC:H films using ethane carbon source by HW-CVD method</p> <p>32. Optimization of process parameters for synthesis of silica-Ni nanocomposite by design of experiment</p> <p>33. Luminescence properties of YAG:Nd³⁺ nano-sized ceramic powders via co-microemulsion and microwave heating</p> <p>34. Properties of porous FeAlOy/FeAlx ceramic matrix composite influenced by mechanical activation of FeAl powder</p> <p>35. Biological synthesis and characterization of intracellular gold nanoparticles using biomass of <i>Aspergillus fumigatus</i></p> <p>36. Fabrication of polystyrene/agave particle biocomposites using compression molding technique: evaluation of flammability, biodegradability, mechanical and thermal behavior</p> <p>37. Influence of curing agents on gelation and exotherm behavior of an unsaturated polyester resin</p> <p>38. Electrical and dielectric properties of TiO₂ and Fe₂O₃ doped fly ash</p> <p>39. Study of optical characteristics of tin oxide thin film prepared by sol-gel method</p> <p>40. Investigation of optical, structural and morphological properties of nanostructured boron doped TiO₂ thin films</p> <p>41. Structural, magnetic and electronic transport studies of RAgSn₂ compounds (R = Y, Tb, Dy, Ho and Er) with Cu₃Au-type</p> <p>42. Phonon, magnon and electron contributions to low temperature specific heat in metallic state of La_{0.85}Sr_{0.15}MnO₃ and Er_{0.8}Y_{0.2}MnO₃ manganites</p> <p>43. Mn valence state and electrode performance of perovskite-type cathode La_{0.8}Sr_{0.2}Mn_{1-x}Cu_xO_{3-d} (x = 0, 0.2) for intermediate-temperature solid oxide fuel cells</p> <p>44. Iron-substituted AB₅-type MH electrode</p> <p>45. Preparation of Zr₅₀Al_{15-x}Ni₁₀Cu₂₅Y_x amorphous powders by mechanical alloying and</p>

	<p>thermodynamic calculation</p> <p>46. Electrochemical copolymerization of <i>N</i>-methylpyrrole and 2, 2'-bithiophene: Characterization, micro-capacitor study and equivalent circuit model evaluation</p> <p>47. Influence of Al content on textural properties and catalytic activity of hierarchical porous aluminosilicate materials</p> <p>48. Structural characterization and complex impedance studies on fast ion conducting mixed system $(SbI_3)_x-(Ag_2CrO_4)_{1-x}$</p> <p>49. Quantitative structure-property relationships of electroluminescent materials: Artificial neural networks and support vector machines to predict electroluminescence of organic molecules</p> <p>50. Synthesis and characterization of electrochemically-reduced grapheme</p> <p>51. Structural characterization of electrodeposited boron</p> <p>52. Electrochemical potentials of layered oxide and olivine phosphate with aluminium substitution: A first principles study</p> <p>53. Synthesis, characterization and evaluation of bioactivity and antibacterial activity of quinary glass system $(SiO_2-CaO-P_2O_5-MgO-ZnO)$: <i>In vitro</i> study</p>
Name of the Journal	Current Science
Frequency/ Period/Vol/Iss.	Vol. 106 No. 8 25 April, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Taking publicly funded innovations to the marketplace: lessons from Germany 2. Socio-economic empowerment of women through 'Science, Technology and Innovation Policy, 2013' – the missing link? 3. Bisphenol A migration study in baby feeding bottles of selected brands available in the Indian market 4. A bibliometric profile of <i>Current Science</i> 5. Development of fast image analysis technique for All-Sky images 6. Antimony sorption and removal on carbon steel/magnetic surfaces in relation to pressurized heavy water reactors 7. Mahogany seed – a step forward in deciphering autorotation 8. India's declining share in computational mechanics research 9. A study on channel migration of the Subansiri river in Assam using remote sensing and GIS technology 10. Wave forecasting and monitoring during very severe cyclone <i>Phailin</i> in the Bay of Bengal 11. Occurrence of native gold and gold-silver alloy in the olivine gabbro of layered cumulate sequence of Naga Hills ophiolite, India 12. Predatory drilling in Tertiary larger foraminifera from India 13. Functional morphology of <i>Melonis barleeaanum</i> and <i>Hoeglundina elegans</i>: a proxy for water-mass characteristics
Name of the Journal	Current Science
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Articles/ Contents	<ol style="list-style-type: none"> 1. To become a knowledge economy 2. Scientific productivity versus efficiency of R&D financing: bibliometric analysis of African countries 3. Cofactor regeneration – an important aspect of biocatalysis 4. A bibliometric profile of <i>Current Science</i> 5. Botanical Survey of India (1971-2010): a scientometric analysis 6. Shear strength and constant rate of strain consolidation behavior of cement-treated slurry-consolidated soft soil 7. Fracture properties of steel fibre reinforced high-performance concrete containing nano-SiO₂ and fly ash 8. Late Permian and Triassic palynomorphs from the Allan Hills, central Transantarctic Mountains, South Victoria Land, Antarctica 9. The expansion and impact of cement manufacturing units and mining areas in Lumshnong, Jaintia hills, Meghalaya 10. Hydrogeochemical assessment of groundwater in karst environments, Bringi watershed, Kashmir Himalayas, India 11. Are the Himalayan glaciers retreating?
Name of the Journal	CSI Communications
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Articles/ Contents	<ol style="list-style-type: none"> 12. Building Intelligent Internet of Things Applications using Microsoft StreamInsight 13. Indoor Positioning System (IPS) using Beacons 14. The Need to use 'Near-Source' Processing in Internet-of-Things Solutions 15. Human Gait- Using Biometric for Mobile Phone Security 16. Resource Allocation Algorithm to Improve the Quality-of-Service in OFDMA System 17. Cellular Automata
Name of the Journal	Industrial Engineering Journal
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Articles/ Contents	<ol style="list-style-type: none"> 1. Dematel Application to evaluate uncertainty for improving the Green Supply Chain Performance 2. An Employability Model for Technical Graduates 3. Improving Outpatient Department Services in a Non-Profit Hospital 4. Assessment of Safety Life Cycle (SLC) Model to Overcome the Safety Hazards: A Case Study 5. Variable Earning for Workmen in a Volatile Demand Scenario- An Application 6. Comparative Study on Job Shop Scheduling Problem Using Different Techniques with Constraints 7. Parametric Optimization of Surface Roughness through Taguchi Technique while Machining AISI 1045 Steel 8. Lean Management through Effective Inventory Modeling for Restricted Capacity System with

	Rhythmic Production and Cyclic Replenishment
Name of the Journal	Industrial Engineering Journal
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Articles/ Contents	<ol style="list-style-type: none"> 1. Study of Quality Parameters in Supply Chain of Different Industries 2. Similarities and Dissimilarities in Technological Adoption in Supply Chain Information Sharing for Indian Manufacturing Organizations 3. The Implications of Manufacturing Strategy Practices on Manufacturing and Business Performance 4. P-SVR [Posture – State Variation Report] Method to Estimate Work Severity
Name of the Journal	Journal of Biosciences
Frequency/ Period/Vol/Iss.	Vol. 39 No. 2 April, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Group behavior in physical, chemical and biological systems 2. Evolution, epigenetics and cooperation 3. Symbiosis as the way of eukaryotic life: The dependent co-origination of the body 4. Limb, tooth, beak: Three modes of development and evolutionary innovation of form 5. Sociobiology of the budding yeast 6. Nascent multicellular life and the emergence of individuality 7. The remarkable discreteness of being 8. An ensemble approach to the evolution of complex systems 9. Competing views on cancer 10. Origins of evolutionary transitions 11. Individuals and groups in evolution: Darwinian pluralism and the multilevel selection debate 12. A personal perspective on individual and group: Comparative cultural observations with a focus on Ibn Khaldun
Name of the Journal	Journal of the Instrument Society of India
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Name of the Journal	Pramana – Journal of physics
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	<p>transitions</p> <p>12. Deformed shell model studies of spectroscopic properties of ^{64}Zn and ^{64}Ni and the positron double beta decay of ^{64}Zn</p> <p>13. Nuclear structure at high spin using multidetector gamma array and ancillary detectors</p>
Name of the Journal	Resonance
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Name of the Journal	Science Reporter
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Articles/Contents	<ol style="list-style-type: none"> 1. Life Elsewhere in the Universe 2. Creating an Artificial Star 3. Lagrange Points in Space Exploration 4. Fortuitous! 5. Is Our Universe Shrinking or Expanding?
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Articles/ Contents	<ol style="list-style-type: none"> 1. Knowledge Management in Higher Education 2. To be or Not to be Mediocre 3. Sustainable Women Empowerment through Providing Higher Education in India 4. Taking Your College from Anonymity to Eminence
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