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**A. Datta & T. Saud & A. Goel & S. Tiwari & S. K. Sharma & M. Saxena & T. K. Mandal**  
*J Atmos Chem* (2010) 65:127–143
364. Wettability and surface chemistry of crystalline and amorphous forms of a poorly water soluble drug  
Vibha Puri, Ajay K. Dantuluri, **Mahesh Kumar, N. Karar**, Arvind K. Bansal  
*European Journal of Pharmaceutical Sciences* 40 (2010) 84–93
365. White electroluminescence from stacked organic light emitting diode  
**Priyanka Tyagi, Ritu Srivastava, ArunandanKumar, Virendra Kumar Rai, Rakhi Grover, M.N. Kamalasanan**  
*Synthetic Metals* 160 (2010) 756–761
366. White organic electroluminescence from fluorescent bis (2-(2-hydroxyphenyl) benzoxazolate)zinc doped with phosphorescent material  
**Virendra Kumar Rai, Ritu Srivastava, M.N.Kamalasanan**  
*Journal of Luminescence* 130(2010)249–253
367. White organic light emitting diodes based on DCM dye sandwiched in 2-methyl-8-hydroxyquinolinolatolithium  
**Amit Kumar, Ritu Srivastava, Sukhwant S.Bawa**, Devender Singh, Kapoor Singh, **Gayatri Chauhan**, Ishwar Singh, **Modeeparampil N.Kamalasanan**  
*Journal of Luminescence* 130(2010)1516–1520
368. X-ray photoelectron spectroscopic study of nitrogen incorporated amorphous carbon films embedded with nanoparticles  
**Ishpal, O.S. Panwar, Mahesh Kumar, Sushil Kumar**  
*Applied Surface Science* 256 (2010) 7371–7376
369. Z-Scan Investigations on Organic and Semiorganic Single Crystals for Optical Device Applications  
S. Rajasekar, **N. Vijayan**, P. S. Joseph  
*Integrated Ferroelectrics*, 121:46–50, 2010

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370. Zirconia based nucleic acid sensor for Mycobacterium tuberculosis detection  
**Maumita Das, Gajjala Sumana, R. Nagarajan, and B. D. Malhotra**  
*Applied Physics Letters 96, 133703 2010*

Black Fonts= Papers Appeared In Science Citation Index Expanded (SCI-EXPANDED)

*Italics Fonts= Papers Appeared SCI- Conference Proceedings Citation Index and  
Erratum/Correction/Retraction Appeared in science citation index expanded (SCI-EXPANDED)*

## Top 20 Research Papers

S.No.	Source Title	IF 2010
1.	<b>Advanced Materials</b>	10.857
	1. Electrically Tunable Optical Switching Of A Mott Insulator-Band Insulator Interface Author(S): A. Rastogi, A. K. Kushwaha, T. Shiyani, A. Gangawar, And <b>R. C. Budhani</b> Source: ADVANCED MATERIALS Volume: 22 Issue: 40 Pages: 4448-4451 Published: OCT 25 2010	
2.	<b>Journal Of Photochemistry And Photobiology C-Photochemistry Reviews</b>	10.81
	1. Response And Adaptive Strategies Of Antarctic Flora To Ultraviolet Radiation Stress Author(S): Sanghdeep Gautam, Jaswant Singh, A.B. Pant, <b>Sachchidanand Singh</b> Journal Of Photochemistry And Photobiology C: Photochemistry Reviews 11 (2010) 93-100	
3.	<b>Energy &amp; Environmental Science</b>	9.446
	1. Nickel(II) Tetra-Aminophthalocyanine Modified MWCNTs As Potential Nanocomposite Materials For The Development Of Supercapacitors Author(S): Alfred T. Chidembo, Kenneth I. Ozoemena, Bolade O. Agboola, <b>Vinay Gupta</b> , Gregory G. Wildgoose And Richard G. Compton Source: ENERGY & ENVIRONMENTAL SCIENCE Volume: 3 Issue: 2 Pages: 228-236 Published: 2010	
4.	<b>Chemsuschem</b>	6.325
	1. A Dual Electrochromic Of Poly-(3,4-Ethylenedioxythiophene) Doped By N,N'-Bis(3-Sulfonatopropyl)-4,4'-Bipyridinium-Redox Chemistry And Electrochromism In Flexible Devices Author(S): <b>Shweta Bhandari, Melepurath Deepa, Suman Pahal, Amish G. Joshi, Avanish Kumar Srivastava</b> , And Rama Kant Source: CHEMSUSCHEM Volume: 3 Issue: 1 Pages: 97-105 Published: 2010	
5.	<b>Biosensors &amp; Bioelectronics</b>	5.361
	1. Electrochemical DNA Sensor For Neisseria Meningitidis Detection Author(S): <b>Manoj K. Patel, Pratima R. Solanki</b> , Ashok Kumar, Shashi Khare, Sunil Gupta, <b>Bansi D. Malhotra</b> Source: BIOSENSORS & BIOELECTRONICS Volume: 25 Issue: 12 Pages: 2586-2591 Published: AUG 15 2010	
6.	<b>Atmospheric Chemistry And Physics</b>	5.309
	1. Size Distributions Of Dicarboxylic Acids, Ketoacids, Alpha-Dicarbonyls, Sugars, WSOC, OC, EC And Inorganic Ions In Atmospheric Particles Over Northern Japan: Implication For Long-Range Transport Of Siberian Biomass Burning And East Asian Polluted Aerosols Author(S): S. Agarwal, <b>S. G. Aggarwal</b> , K. Okuzawa, And K. Kawamura Source: ATMOSPHERIC CHEMISTRY AND PHYSICS Volume: 10 Issue: 13 Pages: 5839-5858 Published: 2010	
7.	<b>Environmental Science &amp; Technology</b>	4.825
	1. Evolution Of Hierarchical Hexagonal Stacked Plates Of CuS From Liquid-Liquid Interface And Its Photocatalytic Application For Oxidative Degradation Of	

## Top 20 Research Papers

	<p>Different Dyes Under Indoor Lighting            Author(S): Mrinmoyee Basu, Arun Kumar Sinha, Mukul Pradhan, Sougata Sarkar , Yuichinegishi, <b>Govind</b>, And Tarasankar Pal            Source: ENVIRONMENTAL SCIENCE &amp; TECHNOLOGY Volume: 44 Issue: 16 Pages: 6313-6318 Published: AUG 15 2010</p>	
8.	<p><b>Solar Energy Materials And Solar Cells</b></p> <p>1. Poly(3-Hexylthiophene): Functionalized Single-Walled Carbon Nanotubes: (6,6)-Phenyl-C-61-Butyric Acid Methyl Ester Composites For Photovoltaic Cell At Ambient Condition            Author(S): <b>Rajiv K.Singh</b>, Jitendra Kumar, <b>Amit Kumar</b>, <b>Vikram Kumar</b>, Rama Kant , <b>Ramadhhar Singh</b>            Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 94 Issue: 12 Pages: 2386-2394 Published: DEC 2010</p> <p>2. Study Of C-V Characteristics In Thin N(+)-P-P(+) Silicon Solar Cells And Induced Junction N-P-P(+) Cell Structures            Author(S): <b>Sanjai Kumar, Vikashsareen, Nehabatra, P.K.Singh</b>            Conference Information: 18th International Photovoltaic Science And Engineering Conference, JAN 19-23, 2009 Calcutta, INDIA            Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 94 Issue: 9 Special Issue: Sp. Iss. SI Pages: 1469-1472 Published: SEP 2010</p> <p>3. Effect Of Illumination Intensity On Cell Parameters Of A Silicon Solar Cell            Author(S): <b>Firoz Khan, S.N.Singh</b>, M.Husain            Conference Information: 18th International Photovoltaic Science And Engineering Conference, JAN 19-23, 2009 Calcutta, INDIA            Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 94 Issue: 9 Special Issue: Sp. Iss. SI Pages: 1473-1476 Published: SEP 2010</p> <p>4. Excellent Antireflection Properties Of Vertical Silicon Nanowire Arrays            Author(S): <b>Sanjay K.Srivastava, Dinesh Kumar, P.K.Singh, M.Kar, Vikram Kumar</b>, M.Husain            Conference Information: 18th International Photovoltaic Science And Engineering Conference, JAN 19-23, 2009 Calcutta, INDIA            Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 94 Issue: 9 Special Issue: Sp. Iss. SI Pages: 1506-1511 Published: SEP 2010</p> <p>5. Regulated Low Cost Pre-Treatment Step For Surface Texturization Of Large Area Industrial Single Crystalline Silicon Solar Cell            Author(S): P.K. Basu, H.Dhasmana, N.Udayakumar , <b>Firoz Khan</b>, D.K.Thakur            Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 94 Issue: 6 Pages: 1049-1054 Published: JUN 2010</p> <p>6. Electrochromism And Redox Switching Of Cobalt Hexacyanoferrate-Polyaniline Hybrid Films In A Hydrophobic Ionic Liquid            Author(S): <b>Suman Pahal</b>, M.Deepa, <b>Shweta Bhandari</b>, <b>K.N.Sood</b>, <b>A.K.Srivastav</b>            Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 94 Issue: 6 Pages: 1064-1075 Published: JUN 2010</p>	4.593

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	<p>7. Influence Of Argon Dilution On Growth And Properties Of Hydrogenated Nanocrystalline Silicon Films            Author(S): <b>A. Parashar, Sushil Kumar, Jhuma Gope, C.M.S.Rauthan, P.N.Dixit</b>, S.A.Hashmi            Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 94 Issue: 5 Pages: 892-899 Published: MAY 2010</p>	
9.	<p><b>Journal Of Physical Chemistry C</b></p> <p>1.Binary Fe-Co Alloy Nanoparticles Showing Significant Enhancement In Electrocatalytic Activity Compared With Bulk Alloys            Author(S): Jahangeer Ahmed, Bharat Kumar, Amos M. Mugweru, Phong Trinh, Kandalam V. Ramanujachary, Samuel E. Lofland, <b>Govind</b>, And Ashok K. Ganguli            Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 114 Issue: 44 Pages: 18779-18784 Published: NOV 11 2010</p> <p>2. Fabrication Of Luminescent, Magnetic Hollow Core Nanospheres And Nanotubes Of Cr-Doped Zno By Inclusive Coprecipitation Method            Author(S): <b>K. Jayanthi, Santa Chawla, Amish G. Joshi</b>, Zahid H. Khan <b>And R. K. Kotnala</b>            Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 114 Issue: 43 Pages: 18429-18434 Published: NOV 4 2010</p> <p>3. Charge Transport And Electrochromism In Novel Nanocomposite Films Of Poly(3,4-Ethylenedioxythiophene)-Au Nanoparticles-Cdse Quantum Dots            Author(S): <b>Shweta Bhandari</b>, Melepurath Deepa, <b>Shailesh N. Sharma, Amish G. Joshi, Avanish Kumar Srivastava</b>, And Rama Kant            Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 114 Issue: 34 Pages: 14606-14613 Published: SEP 2 2010</p> <p>4. Influence Of Processing Methodology On Magnetic Behavior Of Multicomponent Ferrite Nanocrystals            Author(S): Sanjeev Kumar, Vaishali Singh, Saroj Aggarwal, Uttam Kumar Mandal, <b>And Ravinder Kumar Kotnala</b>            Source: JOURNAL OF PHYSICAL CHEMISTRY C Volume: 114 Issue: 14 Pages: 6272-6280 Published: APR 15 2010</p>	4.52
10.	<p><b>Journal Of Power Sources</b></p> <p>1.Electrochemically Synthesized Nanocrystalline Spinel Thin Film For High Performance Supercapacitor            Author(S): <b>Vinay Gupta</b>, Shubhra Gupta, Norio Miura            Source: JOURNAL OF POWER SOURCES Volume: 195 Issue: 11 Special Issue: Sp. Iss. SI Pages: 3757-3760 Published: JUN 1 2010</p> <p>2. UV-Cured Polymer Electrolytes Encompassing Hydrophobic Room Temperature Ionic Liquid For Lithium Batteries            Author(S): C. Gerbaldia, J.R. Naira, <b>Shahzada Ahmad</b>, G. Meligrana, R. Bongiovanni, S. Bodoardo, N. Penazzi            Source: JOURNAL OF POWER SOURCES Volume: 195 Issue: 6 Special Issue: Sp. Iss. SI Pages: 1706-1713 Published: MAR 15 2010</p>	4.283

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11.	<p><b>Langmuir</b></p> <p>1. Electrochemically Synthesized Nanocrystalline Spinel Thin Film For High Performance Supercapacitor Author(S): <b>Vinay Gupta</b>, Shubhra Gupta, Norio Miura Source: JOURNAL OF POWER SOURCES Volume: 195 Issue: 11 Special Issue: Sp. Iss. SI Pages: 3757-3760 Published: JUN 1 2010</p> <p>2. Structure And Activity Of Lysozyme On Binding To ZnO Nanoparticles Author(S): Soumyananda Chakraborti, Tanaya Chatterjee, <b>Prachi Joshi</b>, Asim Poddar, Bhabatarak Bhattacharyya, Surinder P. Singh, Vinay Gupta, And Pinak Chakrabarti Source: LANGMUIR Volume: 26 Issue: 5 Pages: 3506-3513 Published: MAR 2 2010</p>	4.268
12.	<p><b>International Journal Of Hydrogen Energy</b></p> <p>1. Cnts Nanostructuring Effect On The Properties Of Graphite Composite Bipolar Plate Author(S): <b>S.R. Dhakate, S. Sharma, N. Chauhan, R.K. Seth, R.B. Mathur</b> Source: INTERNATIONAL JOURNAL OF HYDROGEN ENERGY Volume: 35 Issue: 9 Pages: 4195-4200 Published: MAY 2010</p>	4.053
13.	<p><b>Crystengcomm</b></p> <p>1. Rare Earth Cerium Doping Effects In Nonlinear Optical Materials: Potassium Hydrogen Phthalate (KHP) And Tris(Thiourea)Zinc(II) Sulfate (ZTS) Author(S): L. Kasthuri, <b>G. Bhagavannarayana</b>, S. Parthiban, G. Ramasamy, K. Muthu And Subbiah Meenakshisundaram Source: CRYSTENGGCOMM Volume: 12 Issue: 2 Pages: 493-499 Published: 2010</p> <p>2. Development Of CdZnTe Doped With Bi For Gamma Radiation Detection Author(S): V. Carcelen, J. Rodrı́guez-Fernandez, <b>N. Vijayan</b>, P. Hidalgo, J. Piqueras, N. V. Sochinskii, J. M. Perez And E. Dieguez Source: CRYSTENGGCOMM Volume: 12 Issue: 2 Pages: 507-510 Published: 2010</p>	4.006
14.	<p><b>Applied Physics Letters</b></p> <p>1. (7x7) Reconstruction As Barrier For Schottky-Barrier Formation At The Ga/Si(111) Interface Author(S): <b>Praveen Kumar, Mahesh Kumar</b>, And S. M. Shivaprasad Source: APPLIED PHYSICS LETTERS Volume: 97 Issue: 12 Article Number: 122105 Published: SEP 20 2010</p> <p>2. Triboelectric Activation Of Ferroelectric Liquid Crystal Memory Devices Author(S): <b>A. Choudhary, T. Joshi, And A. M. Biradar</b> Source: APPLIED PHYSICS LETTERS Volume: 97 Issue: 12 Article Number: 124108 Published: SEP 20 2010</p> <p>3. Graphene As Intermediate Phase In Fullerene And Carbon Nanotube Growth: A Young-Laplace Surface-Tension Model Author(S): <b>Vinay Gupta</b> Source: APPLIED PHYSICS LETTERS Volume: 97 Issue: 18 Article Number: 181910 Published: NOV 1 2010</p>	3.82

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4. Enhanced Ferromagnetic And Metal Insulator Transition In Sm<sub>0.55</sub>Sr<sub>0.45</sub>mno<sub>3</sub> Thin Films: Role Of Oxygen Vacancy Induced Quenched Disorder

Author(S): **M. K. Srivastava, P. K. Siwach, A. Kaur, And H. K. Singh**

Source: APPLIED PHYSICS LETTERS Volume: 97 Issue: 18 Article Number: 182503 Published: NOV 1 2010

5. Memory Effect In Cadmium Telluride Quantum Dots Doped Ferroelectric Liquid Crystals

Author(S): **A. Kumar, J. Prakash, Mohd Taukeer Khan, S. K. Dhawan, And A. M. Biradar**

Source: APPLIED PHYSICS LETTERS Volume: 97 Issue: 16 Article Number: 163113 Published: OCT 18 2010

6. Low Power Operation Of Ferroelectric Liquid Crystal System Dispersed With Zinc Oxide Nanoparticles

Author(S): **T. Joshi, A. Kumar, J. Prakash, A. M. Biradar**

Source: APPLIED PHYSICS LETTERS Volume: 96 Issue: 25 Article Number: 253109 Published: JUN 21 2010

7. Effect Of Surface Passivation On Generation And Recombination Lifetimes In Silicon Wafer Studied By Impedance Spectroscopy

Author(S): **Sanjai Kumar, P. K. Singh, And S. R. Dhariwal**

Source: APPLIED PHYSICS LETTERS Volume: 96 Issue: 16 Article Number: 162109 Published: APR 19 2010

8. Valence Band And Core-Level Analysis Of Highly Luminescent ZnO Nanocrystals For Designing Ultrafast Optical Sensors

Author(S): **Amish G. Joshi, Sonal Sahai, Namita Gandhi, Y. G. Radha Krishna, And D. Haranath**

Source: APPLIED PHYSICS LETTERS Volume: 96 Issue: 12 Article Number: 123102 Published: MAR 22 2010

9. Zirconia Based Nucleic Acid Sensor For Mycobacterium Tuberculosis Detection

Author(S): **Maumita Das, Gajjala Sumana, R. Nagarajan, And B. D. Malhotra**

Source: APPLIED PHYSICS LETTERS Volume: 96 Issue: 13 Article Number: 133703 Published: MAR 29 2010

10. Evidence Of Substrate Induced Charge Order Quenching, Insulator Metal Transition, And Colossal Magnetoresistance In Polycrystalline Pr<sub>0.58</sub>Ca<sub>0.42</sub>mno<sub>3</sub> Thin Films

Author(S): **Vasudha Agarwal, R. Prasad, M. P. Singh, P. K. Siwach, Amit Srivastava, P. Fournier, And H. K. Singh**

Source: APPLIED PHYSICS LETTERS Volume: 96 Issue: 5 Article Number: 052512 Published: FEB 1 2010

## Top 20 Research Papers

15.	<p><b>Journal Of Applied Crystallography</b></p> <p>1. Interesting Growth Features In Potassium Dihydrogen Phosphate: Unravelling The Origin And Dynamics Of Point Defects In Single Crystals            Author(S): <b>G. Bhagavannarayana</b>, P. Rajesh And P. Ramasamy            Source: JOURNAL OF APPLIED CRYSTALLOGRAPHY Volume: 43 Pages: 1372-1376 Part: Part 6 Published: DEC 2010</p> <p>2. Unidirectional Growth Of L-Cysteine Hydrochloride Monohydrate: First Time Observation As Nonlinear Optical Material And Its Characterization            Author(S): <b>G. Bhagavannarayana</b>, Suman Kumar, <b>Mohd Shakir</b>, <b>S. K. Kushawaha</b>, K. K. Maurya, Rajni Malhotra And K. Ramachandra Rao            Source: JOURNAL OF APPLIED CRYSTALLOGRAPHY Volume: 43 Pages: 710-715 Part: Part 4 Published: AUG 2010</p> <p>3. Enhancement Of Second Harmonic Generation, Optical And Dielectric Properties In L-Asparagine Monohydrate Single Crystals Due To An Improvement In Crystalline Perfection By Annealing            Author(S): <b>Mohd. Shakir</b>, <b>S. K. Kushawaha</b>, <b>K. K. Maurya</b>, <b>Sumeet Kumar</b>, M. A. Wahab And <b>G. Bhagavannarayana</b>            Source: JOURNAL OF APPLIED CRYSTALLOGRAPHY Volume: 43 Pages: 491-497 Part: Part 3 Published: JUN 2010</p> <p>4. Enhancement Of SHG Efficiency By Urea Doping In ZTS Single Crystals And Its Correlation With Crystalline Perfection As Revealed By Kurtz Powder And High-Resolution X-Ray Diffraction Methods            Author(S): <b>G. Bhagavannarayana</b> And <b>S. K. Kushwaha</b>            Source: JOURNAL OF APPLIED CRYSTALLOGRAPHY Volume: 43 Pages: 154-162 Part: Part 1 Published: FEB 2010</p>	3.794
16.	<p><b>Physical Review B</b></p> <p>1. Competing Two-Phase Coexistence In Doped Manganites: Direct Observations By In Situ Lorentz Electron Microscopy            Author(S): J. Q. He, V. V. Volkov, T. Asaka, S. Chaudhuri, <b>R. C. Budhani</b>, And Y. Zhu            Source: PHYSICAL REVIEW B Volume: 82 Issue: 22 Article Number: 224404 Published: DEC 3 2010</p> <p>2. Large Decrease In The Critical Temperature Of Superconducting LaFeAsO<sub>0.85</sub> Compounds Doped With 3% Atomic Weight Of Nonmagnetic Zn Impurities            Author(S): Y. F. Guo, Y. G. Shi, S. Yu, A. A. Belik, Y. Matsushita, M. Tanaka, Y. Katsuya, K. Kobayashi, I. Nowik, I. Felner, <b>V. P. S. Awana</b>, K. Yamaura And E. Takayama-Muromachi            Source: PHYSICAL REVIEW B Volume: 82 Issue: 5 Article Number: 054506 Published: AUG 5 2010</p> <p>3. Interface Superconductivity In La<sub>1.48</sub>Nd<sub>0.4</sub>Sr<sub>0.12</sub>CuO<sub>4</sub>/La<sub>1.84</sub>Sr<sub>0.16</sub>CuO<sub>4</sub> Bilayers            Author(S): P. K. Rout And <b>R. C. Budhani</b>            Source: PHYSICAL REVIEW B Volume: 82 Issue: 2 Article Number: 024518 Published: JUL 23 2010</p>	3.772

## Top 20 Research Papers

	<p>4. Magnetic Phase Transitions In Smcoaso            Author(S): <b>V. P. S. Awana</b>, I. Nowik, <b>Anand Pal</b>, K. Yamaura, E. Takayama-Muromachi And I. Felner            Source: PHYSICAL REVIEW B Volume: 81 Issue: 21 Article Number: 212501            Published: JUN 1 2010</p> <p>5. Growth Of Oxygen-Induced Nanoscale-Pyramidal Facets On Rh(210) Surface            Author(S): <b>Govind</b>, Wenhua Chen, Hao Wang, And Theodore E. Madey Source: PHYSICAL REVIEW B Volume: 81 Issue: 8 Article Number: 085415            Published: FEB 2010</p>	
17.	<b>Optics Express</b>	3.749
	<p>1.Experimental Study Of The Relation Between The Degrees Of Coherence In Space-Time And Space-Frequency Domain            Author(S): <b>Bhaskar Kanseri</b> And <b>Hem Chandra Kandpal</b>            Source: OPTICS EXPRESS Volume: 18 Issue: 11 Pages: 11838-11845            Published: MAY 24 2010</p>	
18.	<b>Nanotechnology</b>	3.644
	<p>1.Highly Efficient Luminescence From Hybrid Structures Of Zno/Multi-Walled Carbon Nanotubes For High Performance Display Applications            Author(S): <b>Bipin Kumar Gupta</b>, <b>Vaneet Grover</b>, <b>Govind Gupta</b> And <b>V Shanker</b>            Source: NANOTECHNOLOGY Volume: 21 Issue: 47 Article Number: 475701            Published: NOV 26 2010</p> <p>2.Self-Catalytic Synthesis, Structure And Properties Of Ultra-Fine Luminescent Zno Nanostructures For Field Emission Applications            Author(S): <b>Bipin Kumar Gupta</b>, <b>D Haranath</b>, <b>S Chawla</b>, <b>H Chander</b>, V N Singh And <b>V Shanker</b>            Source: NANOTECHNOLOGY Volume: 21 Issue: 22 Article Number: 225709            Published: JUN 4 2010</p> <p>3.Synthesis And Characterization Of Ultra-Fine Y2O3:Eu3+ Nanophosphors For Luminescent Security Ink Applications            Author(S): <b>Bipin Kumar Gupta</b>, <b>D Haranath</b>, <b>Shikha Saini</b>, V N Singh And <b>V Shanker</b>            Source: NANOTECHNOLOGY Volume: 21 Issue: 5 Article Number: 055607            Published: FEB 5 2010</p>	
19.	<b>Electrochimica Acta</b>	3.642
	<p>1.Mechanochemical Approach For Fabrication Of A Nano-Structured Nio-Sensing Electrode Used In A Zirconia-Based NO2 Sensor            Author(S) Vladimir V. Plashnitsa, <b>Vinay Gupta</b>, Norio Miura            Source: ELECTROCHIMICA ACTA Volume: 55 Issue: 23 Pages: 6941-6945            Published: SEP 30 2010</p> <p>2. Enhanced Photoelectrochemistry And Interactions In Cadmium Selenide-Functionalized Multiwalled Carbon Nanotube Composite Films            Author(S): M. Deepa, <b>Ruchi Gakhar</b>, <b>A.G. Joshi</b>, <b>B.P. Singh</b>, <b>A.K. Srivastava</b>            Source: ELECTROCHIMICA ACTA Volume: 55 Issue: 22 Pages: 6731-6742            Published: SEP 1 2010</p>	

## Top 20 Research Papers

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20.	<b>Journal Of Physical Chemistry B</b>	3.603
	<p>1. Investigation Of The Linear And Nonlinear Optical Susceptibilities Of Ktiopo<sub>4</sub> Single Crystals: Theory And Experiment Author(S): Ali Hussain Reshak, I. V. Kityk, And <b>S. Auluck</b> Source: JOURNAL OF PHYSICAL CHEMISTRY B Volume: 114 Issue: 50 Pages: 16705-16712 Published: DEC 23 2010</p> <p>2. Nanostructured Multifunctional Electromagnetic Materials From The Guest-Host Inorganic-Organic Hybrid Ternary System Of A Polyaniline-Clay-Polyhydroxy Iron Composite: Preparation And Properties Author(S): Viswan L. Reena, Chorappan Pavithran, <b>Vivek Verma</b>, And Janardhanan D. Sudha Source: JOURNAL OF PHYSICAL CHEMISTRY B Volume: 114 Issue: 8 Pages: 2578-2585 Published: MAR 4 2010</p>	

## Source title wise Impact Factor

S.No.	Source Title	IF 2010
1.	12th International Conference On Magnetic Fluids Icmf12	NA
2.	2010 Conference On Precision Electromagnetic Measurements Cpem	NA
3.	Accreditation And Quality Assurance	0.791
4.	ACS Applied Materials & Interfaces	2.925
5.	Advanced Materials	10.857
6.	Advanced Science Letters	1.253
7.	Advances In Space Research	1.076
8.	Agronomy For Sustainable Development	2.972
9.	Annales Geophysicae	1.62
10.	Annals Of Telecommunications-Annales Des Telecommunications	0.602
11.	Applied Acoustics	0.887
12.	Applied Physics A-Materials Science & Processing	1.76
13.	Applied Physics Express	2.747
14.	Applied Physics Letters	3.82
15.	Applied Surface Science	1.793
16.	Artificial Cells Blood Substitutes And Biotechnology	0.688
17.	Atmospheric Chemistry And Physics	5.309
18.	Atmospheric Environment	3.226
19.	Bioelectrochemistry	3.52
20.	Biomedical Microdevices	3.386
21.	Biosensors & Bioelectronics	5.361
22.	Bulletin Of Materials Science	0.944
23.	Carbohydrate Polymers	3.463
24.	Chemical Physics Letters	2.28
25.	Chemosuschem	6.325
26.	Colloid And Polymer Science	2.443
27.	Composites Part A-Applied Science And Manufacturing	2.338
28.	Composites Science And Technology	2.856
29.	Crystengcomm	4.006
30.	Current Applied Physics	1.74
31.	Dna And Cell Biology	2.159
32.	Earth Planets And Space	1.112
33.	Electroanalysis	2.721
34.	Electrochimica Acta	3.642
35.	Electrophoresis	3.569
36.	Energy & Environmental Science	9.446
37.	Environmental Monitoring And Assessment	1.436
38.	Environmental Science & Technology	4.825
39.	EPL	2.753
40.	European Journal Of Pharmaceutical Sciences	3.291
41.	European Physical Journal B	1.575
42.	European Physical Journal-Applied Physics	0.899
43.	European Polymer Journal	2.517

## Source title wise Impact Factor

44.	Febs Journal	3.129
45.	Geophysical Research Letters	3.505
46.	Human And Ecological Risk Assessment	1.486
47.	Idojaras	0.548
48.	Ieee Antennas And Propagation Magazine	0.855
49.	Indian Journal Of Chemistry Section A-Inorganic Bio-Inorganic Physical Theoretical & Analytical Chemistry	0.92
50.	Indian Journal Of Engineering And Materials Sciences	0.15
51.	Indian Journal Of Pure & Applied Physics	0.511
52.	Integrated Ferroelectrics	0.264
53.	International Journal Of Environmental Analytical Chemistry	1.169
54.	International Journal Of Hydrogen Energy	4.053
55.	International Journal Of Remote Sensing	1.182
56.	Ionics	1.052
57.	Jom	1.175
58.	Journal Of Alloys And Compounds	2.134
59.	Journal Of Applied Crystallography	3.794
60.	Journal Of Applied Physics	2.064
61.	Journal Of Applied Polymer Science	1.24
62.	Journal Of Atmospheric Chemistry	0.9
63.	Journal Of Biomaterials Science-Polymer Edition	1.842
64.	Journal Of Biotechnology	2.97
65.	Journal Of Ceramic Processing Research	0.481
66.	Journal Of Crystal Growth	1.737
67.	Journal Of Environmental Engineering-Asce	1.117
68.	Journal Of Environmental Sciences-China	1.513
69.	Journal Of Experimental Nanoscience	0.955
70.	Journal Of Geophysical Research-Atmospheres	3.303
71.	Journal Of Geophysical Research-Space Physics	-
72.	Journal Of Inorganic And Organometallic Polymers And Materials	1.473
73.	Journal Of Luminescence	1.795
74.	Journal Of Magnetism And Magnetic Materials	1.689
75.	Journal Of Materials Science	1.855
76.	Journal Of Materials Science & Technology	0.759
77.	Journal Of Materials Science-Materials In Electronics	0.927
78.	Journal Of Modern Optics	0.988
79.	Journal Of Molecular Recognition	2.286
80.	Journal Of Molecular Structure	1.599
81.	Journal Of Nanoparticle Research	3.25
82.	Journal Of Nanoscience And Nanotechnology	1.351
83.	Journal Of Non-Crystalline Solids	1.483
84.	Journal Of Pharmaceutical And Biomedical Analysis	2.733
85.	Journal Of Photochemistry And Photobiology C-Photochemistry Reviews	10.81
86.	Journal Of Physical Chemistry B	3.603
87.	Journal Of Physical Chemistry C	4.52

## Source title wise Impact Factor

88.	Journal Of Physics And Chemistry Of Solids	1.381
89.	Journal Of Physics D-Applied Physics	2.105
90.	Journal Of Polymer Science Part B-Polymer Physics	1.298
91.	Journal Of Power Sources	4.283
92.	Journal Of Scientific & Industrial Research	0.514
93.	Journal Of Sol-Gel Science And Technology	1.525
94.	Journal Of Superconductivity And Novel Magnetism	1.014
95.	Journal Of Thermal Analysis And Calorimetry	1.752
96.	Journal Of Vacuum Science & Technology B	1.268
97.	Langmuir	4.268
98.	Liquid Crystals	1.653
99.	Macromolecular Chemistry And Physics	2.437
100.	Mapan-Journal Of Metrology Society Of India	0.288
101.	Materials & Design	1.694
102.	Materials Chemistry And Physics	2.353
103.	Materials Letters	2.117
104.	Materials Research Bulletin	2.145
105.	Materials Research Innovations	0.638
106.	Materials Science And Engineering B-Advanced Functional Solid-State Materials	1.1
107.	Measurement	0.846
108.	Measurement Science Review	0.4
109.	Metrologia	1.684
110.	Modern Physics Letters B	0.438
111.	Molecular Crystals And Liquid Crystals	0.543
112.	Nano	1.106
113.	Nanoscale	NA
114.	Nanotechnology	3.644
115.	National Academy Science Letters-India	0.164
116.	Nature Communications	NA
117.	Nuclear Instruments & Methods In Physics Research Section B-Beam Interactions With Materials And Atoms	1.042
118.	Optical Materials	1.678
119.	Optics And Lasers In Engineering	1.567
120.	Optics Communications	1.517
121.	Optics Express	3.749
122.	Optics Letters	3.316
123.	Optik	0.454
124.	Optoelectronics And Advanced Materials-Rapid Communications	0.477
125.	Philosophical Magazine	1.302
126.	Physica B-Condensed Matter	0.856
127.	Physica C-Superconductivity And Its Applications	1.407
128.	Physica Status Solidi A-Applications And Materials Science	1.458
129.	Physical Review B	3.772
130.	Physical Review E	2.352

## Source title wise Impact Factor

131.	Physics Procedia	NA
132.	Polymer Composites	0.998
133.	Polymers For Advanced Technologies	1.776
134.	Progress In Organic Coatings	1.862
135.	Radio Science	0.95
136.	Review Of Scientific Instruments	1.598
137.	Science Of The Total Environment	3.19
138.	Semiconductor Science And Technology	1.323
139.	Sensor Letters	0.602
140.	Sensors And Actuators B-Chemical	3.368
141.	Solar Energy Materials And Solar Cells	4.593
142.	Solar Physics	3.386
143.	Solid State Communications	1.979
144.	Solid-State Electronics	1.438
145.	Spectrochimica Acta Part A-Molecular And Biomolecular Spectroscopy	1.77
146.	Surface & Coatings Technology	2.135
147.	Surface And Interface Analysis	1.247
148.	Surface Science	2.01
149.	Synthetic Metals	1.871
150.	Theoretical And Applied Climatology	1.684
151.	Thermochimica Acta	1.899
152.	Thin Solid Films	1.909
153.	Transactions Of The Indian Institute Of Metals	NA
154.	Vacuum	1.048

**NA: Not available**

## Impact Factor wise source titles

S. No.	Source Title	IF 2010
1.	Advanced Materials	10.857
2.	Journal Of Photochemistry And Photobiology C-Photochemistry Reviews	10.81
3.	Energy & Environmental Science	9.446
4.	Chemsuschem	6.325
5.	Biosensors & Bioelectronics	5.361
6.	Atmospheric Chemistry And Physics	5.309
7.	Environmental Science & Technology	4.825
8.	Solar Energy Materials And Solar Cells	4.593
9.	Journal Of Physical Chemistry C	4.52
10.	Journal Of Power Sources	4.283
11.	Langmuir	4.268
12.	International Journal Of Hydrogen Energy	4.053
13.	Crystengcomm	4.006
14.	Applied Physics Letters	3.82
15.	Journal Of Applied Crystallography	3.794
16.	Physical Review B	3.772
17.	Optics Express	3.749
18.	Nanotechnology	3.644
19.	Electrochimica Acta	3.642
20.	Journal Of Physical Chemistry B	3.603
21.	Electrophoresis	3.569
22.	Bioelectrochemistry	3.52
23.	Geophysical Research Letters	3.505
24.	Carbohydrate Polymers	3.463
25.	Biomedical Microdevices	3.386
26.	Solar Physics	3.386
27.	Sensors And Actuators B-Chemical	3.368
28.	Optics Letters	3.316
29.	Journal Of Geophysical Research-Atmospheres	3.303
30.	European Journal Of Pharmaceutical Sciences	3.291
31.	Journal Of Nanoparticle Research	3.25
32.	Atmospheric Environment	3.226
33.	Science Of The Total Environment	3.19
34.	Febs Journal	3.129
35.	Agronomy For Sustainable Development	2.972
36.	Journal Of Biotechnology	2.97
37.	Acs Applied Materials & Interfaces	2.925
38.	Composites Science And Technology	2.856
39.	EPL	2.753
40.	Applied Physics Express	2.747
41.	Journal Of Pharmaceutical And Biomedical Analysis	2.733
42.	Electroanalysis	2.721
43.	European Polymer Journal	2.517

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44.	Colloid And Polymer Science	2.443
45.	Macromolecular Chemistry And Physics	2.437
46.	Materials Chemistry And Physics	2.353
47.	Physical Review E	2.352
48.	Composites Part A-Applied Science And Manufacturing	2.338
49.	Journal Of Molecular Recognition	2.286
50.	Chemical Physics Letters	2.28
51.	Dna And Cell Biology	2.159
52.	Materials Research Bulletin	2.145
53.	Surface & Coatings Technology	2.135
54.	Journal Of Alloys And Compounds	2.134
55.	Materials Letters	2.117
56.	Journal Of Physics D-Applied Physics	2.105
57.	Journal Of Applied Physics	2.064
58.	Surface Science	2.01
59.	Solid State Communications	1.979
60.	Thin Solid Films	1.909
61.	Thermochemica Acta	1.899
62.	Synthetic Metals	1.871
63.	Progress In Organic Coatings	1.862
64.	Journal Of Materials Science	1.855
65.	Journal Of Biomaterials Science-Polymer Edition	1.842
66.	Journal Of Luminescence	1.795
67.	Applied Surface Science	1.793
68.	Polymers For Advanced Technologies	1.776
69.	Spectrochimica Acta Part A-Molecular And Biomolecular Spectroscopy	1.77
70.	Applied Physics A-Materials Science & Processing	1.76
71.	Journal Of Thermal Analysis And Calorimetry	1.752
72.	Current Applied Physics	1.74
73.	Journal Of Crystal Growth	1.737
74.	Materials & Design	1.694
75.	Journal Of Magnetism And Magnetic Materials	1.689
76.	Metrologia	1.684
77.	Theoretical And Applied Climatology	1.684
78.	Optical Materials	1.678
79.	Liquid Crystals	1.653
80.	Annales Geophysicae	1.62
81.	Journal Of Molecular Structure	1.599
82.	Review Of Scientific Instruments	1.598
83.	European Physical Journal B	1.575
84.	Optics And Lasers In Engineering	1.567
85.	Journal Of Sol-Gel Science And Technology	1.525
86.	Optics Communications	1.517
87.	Journal Of Environmental Sciences-China	1.513

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88.	Human And Ecological Risk Assessment	1.486
89.	Journal Of Non-Crystalline Solids	1.483
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92.	Solid-State Electronics	1.438
93.	Environmental Monitoring And Assessment	1.436
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98.	Philosophical Magazine	1.302
99.	Journal Of Polymer Science Part B-Polymer Physics	1.298
100.	Journal Of Vacuum Science & Technology B	1.268
101.	Advanced Science Letters	1.253
102.	Surface And Interface Analysis	1.247
103.	Journal Of Applied Polymer Science	1.24
104.	International Journal Of Remote Sensing	1.182
105.	Jom	1.175
106.	International Journal Of Environmental Analytical Chemistry	1.169
107.	Journal Of Environmental Engineering-Asce	1.117
108.	Earth Planets And Space	1.112
109.	Nano	1.106
110.	Materials Science And Engineering B-Advanced Functional Solid-State Materials	1.1
111.	Advances In Space Research	1.076
112.	Ionics	1.052
113.	Vacuum	1.048
114.	Nuclear Instruments & Methods In Physics Research Section B-Beam Interactions With Materials And Atoms	1.042
115.	Journal Of Superconductivity And Novel Magnetism	1.014
116.	Polymer Composites	0.998
117.	Journal Of Modern Optics	0.988
118.	Journal Of Experimental Nanoscience	0.955
119.	Radio Science	0.95
120.	Bulletin Of Materials Science	0.944
121.	Journal Of Materials Science-Materials In Electronics	0.927
122.	Indian Journal Of Chemistry Section A-Inorganic Bio-Inorganic Physical Theoretical & Analytical Chemistry	0.92
123.	Journal Of Atmospheric Chemistry	0.9
124.	European Physical Journal-Applied Physics	0.899
125.	Applied Acoustics	0.887
126.	Physica B-Condensed Matter	0.856
127.	Ieee Antennas And Propagation Magazine	0.855
128.	Measurement	0.846
129.	Accreditation And Quality Assurance	0.791

## Impact Factor wise source titles

130.	Journal Of Materials Science & Technology	0.759
131.	Artificial Cells Blood Substitutes And Biotechnology	0.688
132.	Materials Research Innovations	0.638
133.	Annals Of Telecommunications-Annales Des Telecommunications	0.602
134.	Sensor Letters	0.602
135.	Idojaras	0.548
136.	Molecular Crystals And Liquid Crystals	0.543
137.	Journal Of Scientific & Industrial Research	0.514
138.	Indian Journal Of Pure & Applied Physics	0.511
139.	Journal Of Ceramic Processing Research	0.481
140.	Optoelectronics And Advanced Materials-Rapid Communications	0.477
141.	Optik	0.454
142.	Modern Physics Letters B	0.438
143.	Measurement Science Review	0.4
144.	Mapan-Journal Of Metrology Society Of India	0.288
145.	Integrated Ferroelectrics	0.264
146.	National Academy Science Letters-India	0.164
147.	Indian Journal Of Engineering And Materials Sciences	0.15
148.	12th International Conference On Magnetic Fluids Icmf12	NA
149.	2010 Conference On Precision Electromagnetic Measurements Cpem	NA
150.	Nanoscale	NA
151.	Nature Communications	NA
152.	Physics Procedia	NA
153.	Transactions Of The Indian Institute Of Metals	NA
154.	Journal Of Geophysical Research-Space Physics	-

**NA: Not available**