

# Umapada Pal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

244  
papers

8,230  
citations

48  
h-index

82  
g-index

250  
ext. papers

9,243  
ext. citations

4.4  
avg, IF

6.4  
L-index

#	Paper	IF	Citations
244	Improved thermoelectric performance of nanostructured Bi <sub>2</sub> Te <sub>3</sub> fabricated by solvent-free mechanical alloying. <i>Materials Chemistry and Physics</i> , <b>2022</b> , 279, 125736	4.4	0
243	Structure and transport behavior of hydrothermally grown phase pure Cu <sub>2</sub> ZnSn <sub>1-x</sub> GexS <sub>4</sub> (x=0.0, 0.3) nanoparticles. <i>Applied Surface Science</i> , <b>2022</b> , 571, 151261	6.7	1
242	Performance of asymmetric supercapacitor fabricated with perovskite-type Sr <sup>2+</sup> -incorporated LaMnO <sub>3</sub> (La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> ) nanostructures in neutral 1M Na <sub>2</sub> SO <sub>4</sub> aqueous electrolyte. <i>International Journal of Energy Research</i> , <b>2021</b> , 45, 14021-14033	4.5	4
241	Facile Seed-Mediated Growth of Ultrathin AuCu Shells on Pd Nanocubes and Their Enhanced Nitrophenol Degradation Reactions. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 13759-13769	3.8	2
240	Structure and magnetic behavior of sol-gel grown spinel Ni <sub>x</sub> Mn <sub>3-x</sub> O <sub>4</sub> nanoparticles: Effect of Ni fraction and induction of superparamagnetism at room temperature. <i>Materials Research Bulletin</i> , <b>2021</b> , 139, 111267	5.1	0
239	Green fabrication of 2D platinum superstructures and their high catalytic activity for mitigation of organic pollutants. <i>Catalysis Today</i> , <b>2021</b> , 360, 185-193	5.3	7
238	Total Oxidation of Methane Over Sulfur Poisoning Resistant Pt/ZrO <sub>2</sub> Catalyst: Effect of Pt <sup>2+</sup> +Pt <sup>4+</sup> and Pt <sup>2+</sup> +Zr <sup>4+</sup> Dipoles at Metal-Support Interface. <i>Catalysis Letters</i> , <b>2021</b> , 151, 1592-1603	2.8	4
237	pH dependent morphology and texture evolution of ZnO nanoparticles fabricated by microwave-assisted chemical synthesis and their photocatalytic dye degradation activities. <i>Ceramics International</i> , <b>2021</b> , 47, 27469-27478	5.1	3
236	Chemical synthesis of NdFeB/Fe-Co nanocomposite with high magnetic energy product.. <i>RSC Advances</i> , <b>2021</b> , 11, 32376-32382	3.7	0
235	Controlled Fabrication of Flower-Shaped Au-Cu Nanostructures Using a Deep Eutectic Solvent and Their Performance in Surface-Enhanced Raman Scattering-Based Molecular Sensing. <i>ACS Omega</i> , <b>2020</b> , 5, 3699-3708	3.9	7
234	Particle dispersion and lattice distortion induced magnetic behavior of La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> perovskite nanoparticles grown by salt-assisted solid-state synthesis. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 246, 122834	4.4	7
233	Tunable White-Light Emission of Co <sup>2+</sup> and Mn <sup>2+</sup> Co-Doped ZnS Nanoparticles by Energy Transfer between Dopant Ions. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 3857-3866	3.8	10
232	Re-evaluating the role of phosphinic acid (DINHOP) adsorption at the photoanode surface in the performance of dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 1756-1766	3.6	3
231	Inducing Superparamagnetism and High Magnetization in Nickel Cobaltite (Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> ) Spinel Nanoparticles by Controlling Ni Mole Fraction and Cation Distribution. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 18264-18274	3.8	3
230	Platinum nanoparticle-assembled porous biogenic silica 3D hybrid structures with outstanding 4-nitrophenol degradation performance. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124237	14.7	31
229	Piper longum Extract-Mediated Green Synthesis of Porous Cu <sub>2</sub> O:Mo Microspheres and Their Superior Performance as Active Anode Material in Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 14557-14567	8.3	8
228	Borohydride-Assisted Surface Activation of CoO/CoFeO Composite and Its Catalytic Activity for 4-Nitrophenol Reduction. <i>ACS Omega</i> , <b>2019</b> , 4, 10129-10139	3.9	17

227	Magnetic moment inversion at giant flux jump: dynamical property of critical state in type-II superconductors. <i>Scientific Reports</i> , <b>2019</b> , 9, 6233	4.9	1
226	Microstructure correlated ferromagnetism in manganese stabilized zirconia nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 793, 220-231	5.7	2
225	Estimating Near Electric Field of Polyhedral Gold Nanoparticles for Plasmon-Enhanced Spectroscopies. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11833-11839	3.8	9
224	Effect of the Electronic State of Cu, Ag, and Au on Diesel Soot Abatement: Performance of Cu/ZnO, Ag/ZnO, and Au/ZnO Catalysts. <i>ACS Omega</i> , <b>2019</b> , 4, 5795-5804	3.9	5
223	Biodiesel and fossil-fuel diesel soot oxidation activities of Ag/CeO <sub>2</sub> catalyst. <i>Fuel</i> , <b>2019</b> , 250, 17-26	7.1	37
222	Variations in magnetic properties caused by size dispersion and particle aggregation on CoFe <sub>2</sub> O <sub>4</sub> . <i>SN Applied Sciences</i> , <b>2019</b> , 1, 1	1.8	6
221	Nanoparticle-Assembled Gold Microtubes Built on Fungi Templates for SERS-Based Molecular Sensing. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 2533-2541	5.6	5
220	Tuning magnetic and structural properties of MnFe <sub>2</sub> O <sub>4</sub> nanostructures by systematic introduction of transition metal ions M <sup>2+</sup> (M = Zn, Fe, Ni, Co). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2019</b> , 490, 165496	2.8	12
219	3D hydroxyapatite scaffold for bone regeneration and local drug delivery applications. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 53, 101131	4.5	48
218	Study on charge storage mechanism in working electrodes fabricated by sol-gel derived spinel NiMn <sub>2</sub> O <sub>4</sub> nanoparticles for supercapacitor application. <i>Applied Surface Science</i> , <b>2019</b> , 463, 513-525	6.7	78
217	Total Oxidation of Methane over Pt/Cr <sub>2</sub> O <sub>3</sub> Catalyst at Low Temperature: Effect of PtO <sub>x</sub> + Dipoles at the Metal/Support Interface. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 2882-2893	3.8	9
216	Waveguiding behavior of VLS-grown one-dimensional Ga-doped In <sub>2</sub> O <sub>3</sub> nanostructures. <i>Current Applied Physics</i> , <b>2018</b> , 18, 785-792	2.6	3
215	Effect of Ga incorporation on morphology and defect structures evolution in VLS grown 1D In <sub>2</sub> O <sub>3</sub> nanostructures. <i>Applied Surface Science</i> , <b>2018</b> , 439, 1010-1018	6.7	1
214	Large magnetostriction in chemically fabricated CoFe <sub>2</sub> O <sub>4</sub> nanoparticles and its temperature dependence. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 460, 141-145	2.8	8
213	Size controlled green synthesis of gold nanoparticles using seed extract and their catalytic performance in 4-nitrophenol reduction.. <i>RSC Advances</i> , <b>2018</b> , 8, 24819-24826	3.7	61
212	Effects of Oxidizing/Reducing Agent Ratio on Phase Purity, Crystallinity, and Magnetic Behavior of Solution-Combustion-Grown BiFeO Submicroparticles. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 6152-6160	5.1	10
211	Photocharging and Band Gap Narrowing Effects on the Performance of Plasmonic Photoelectrodes in Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31374-31383	9.5	11
210	Recent progress on fabrication and drug delivery applications of nanostructured hydroxyapatite. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2018</b> , 10, e1504	9.2	59

209	Controlled synthesis of Pt nanoparticle supported TiO <sub>2</sub> nanorods as efficient and stable electrocatalysts for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 23435-23444	13	35
208	Structural, Magnetic, and Catalytic Evaluation of Spinel Co, Ni, and Co-Ni Ferrite Nanoparticles Fabricated by Low-Temperature Solution Combustion Process. <i>ACS Omega</i> , <b>2018</b> , 3, 14986-15001	3.9	114
207	Seed-Mediated Growth of Ag@Au Nanodisks with Improved Chemical Stability and Surface-Enhanced Raman Scattering. <i>ACS Omega</i> , <b>2018</b> , 3, 12600-12608	3.9	17
206	Near- and Far-Field Optical Response of Eccentric Nanoshells. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 16	5	7
205	Plasmon induced enhanced photocatalytic activity of gold loaded hydroxyapatite nanoparticles for methylene blue degradation under visible light. <i>RSC Advances</i> , <b>2017</b> , 7, 8633-8645	3.7	98
204	Au <sup>0</sup> /Au <sup>3+</sup> bifunctional site mediated enhanced catalytic activity of Au/ZnO composite in diesel particulate matter oxidation. <i>Journal of Catalysis</i> , <b>2017</b> , 347, 148-156	7.3	24
203	Mie calculation of electromagnetic near-field for a multilayered sphere. <i>Computer Physics Communications</i> , <b>2017</b> , 214, 225-230	4.2	24
202	Fabrication of Monodispersed Au@SiO <sub>2</sub> Nanoparticles with Highly Stable Silica Layers by Ultrasound-Assisted Stober Method. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 9543-9551	3.8	39
201	Electronic state of silver in Ag/SiO <sub>2</sub> and Ag/ZnO catalysts and its effect on diesel particulate matter oxidation: An XPS study. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 216, 1-10	21.8	63
200	Near-Electric-Field Tuned Plasmonic Au@SiO <sub>2</sub> and Ag@SiO <sub>2</sub> Nanoparticles for Efficient Utilization in Luminescence Enhancement and Surface-Enhanced Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23062-23071	3.8	24
199	Phase controlled synthesis of CuSbS <sub>2</sub> nanostructures: Effect of reaction conditions on phase purity and morphology. <i>Materials and Design</i> , <b>2017</b> , 136, 165-173	8.1	10
198	Fabricating Necklace-, Tower-, and Rod-Shaped In <sub>2</sub> O <sub>3</sub> Nanostructures by Controlling Saturation Kinetics of Catalyst Droplets in a Vapor-Liquid-Solid Process. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 4596-4602	3.5	4
197	Structure and magnetic properties of the Co <sub>1-x</sub> Ni <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> -BaTiO <sub>3</sub> core-shell nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 442, 247-254	2.8	8
196	Unusual variation of blocking temperature in bi-magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 441, 417-423	2.8	11
195	Solar-irradiation driven biodiesel production using Cr/SiO <sub>2</sub> photocatalyst exploiting cooperative interaction between Cr <sup>6+</sup> and Cr <sup>3+</sup> moieties. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 203, 43-52	21.8	29
194	Effect of Nb Doping on Morphology, Optical and Magnetic Behaviors of Ultrasonically Grown ZnO Nanostructures. <i>Material Science Research India</i> , <b>2017</b> , 14, 79-88	1	4
193	Natural origin hydroxyapatite scaffold as potential bone tissue engineering substitute. <i>Ceramics International</i> , <b>2016</b> , 42, 18338-18346	5.1	67
192	Mixed titanium, silicon, and aluminum oxide nanostructures as novel adsorbent for removal of rhodamine 6G and methylene blue as cationic dyes from aqueous solution. <i>Chemosphere</i> , <b>2016</b> , 163, 142-152	8.4	57

191	Cell viability and MRI performance of highly efficient polyol-coated magnetic nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	9
190	Low Cost Cu/ZnO as Low Temperature (150 °C) Catalyst for Diesel Particulate Matter Oxidation. <i>Topics in Catalysis</i> , <b>2016</b> , 59, 1090-1094	2.3	2
189	Biodiesel production from waste frying oil using waste animal bone and solar heat. <i>Waste Management</i> , <b>2016</b> , 47, 105-13	8.6	47
188	Surface functionalized halloysite nanotubes decorated with silver nanoparticles for enzyme immobilization and biosensing. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 2553-2560	7.3	79
187	Large Scale Synthesis of ZnO Nanostructures of Different Morphologies through Solvent-free Mechanochemical Synthesis and their Application in Photocatalytic Dye Degradation. <i>American Journal of Engineering and Applied Sciences</i> , <b>2016</b> , 9, 41-52	0.4	4
186	Optimizing the electric field around solid and core-shell alloy nanostructures for near-field applications. <i>Nanoscale</i> , <b>2016</b> , 8, 14836-45	7.7	13
185	Ferrites as magnetic fluids for hyperthermia and MRI contrast agents <b>2016</b> ,		5
184	Enhancement of Peroxidase Stability Against Oxidative Self-Inactivation by Co-immobilization with a Redox-Active Protein in Mesoporous Silicon and Silica Microparticles. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 417	5	11
183	Influence of morphology on the performance of ZnO-based dye-sensitized solar cells. <i>RSC Advances</i> , <b>2016</b> , 6, 37424-37433	3.7	15
182	Effects of Plasmonic Nanoparticle Incorporation on Electrodynamics and Photovoltaic Performance of Dye Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 10129-10136	3.8	20
181	Enhanced magnetic properties and MRI performance of bi-magnetic core-shell nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 77558-77568	3.7	23
180	Synthesis of CuS nanoparticles by a wet chemical route and their photocatalytic activity. <i>Journal of Nanoparticle Research</i> , <b>2015</b> , 17, 1	2.3	57
179	Morphology and defect evolution in vapor-grown In <sub>2</sub> O <sub>3</sub> :Sn micro-/nanoparticles. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 40, 943-953	4.3	11
178	Hydrogen-reduced Cu/ZnO composite as efficient reusable catalyst for diesel particulate matter oxidation. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 165, 555-565	21.8	18
177	Emission controlled dual emitting Eu-doped CaMgSi <sub>2</sub> O <sub>6</sub> nanophosphors. <i>Journal of Luminescence</i> , <b>2015</b> , 157, 131-136	3.8	16
176	The structure and interaction mechanism of a polyelectrolyte complex: a dissipative particle dynamics study. <i>Soft Matter</i> , <b>2015</b> , 11, 5889-97	3.6	20
175	Fabrication of Fe <sub>3</sub> O <sub>4</sub> @mSiO <sub>2</sub> Core-Shell Composite Nanoparticles for Drug Delivery Applications. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 217	5	27
174	Structure and optical properties of vapor grown In <sub>2</sub> O <sub>3</sub> : Ga nano-/microcrystals. <i>Advances in Nano Research</i> , <b>2015</b> , 3, 81-96		8

173	Red emitting Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphors with >80% down conversion efficiency. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 496-500	7.1	49
172	Effects of morphology, surface area, and defect content on the photocatalytic dye degradation performance of ZnO nanostructures. <i>RSC Advances</i> , <b>2014</b> , 4, 41099-41110	3.7	147
171	Green synthesis of Au nanoparticles using potato extract: stability and growth mechanism. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	33
170	Doping-induced electron density modification at lattice sites of ZnO:Ga nanostructures: effects on vibrational and optical properties. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 5529-5536	4.3	5
169	Enhanced biogas production from coffee pulp through deligninocellulosic photocatalytic pretreatment. <i>Energy Science and Engineering</i> , <b>2014</b> , 2, 177-187	3.4	22
168	Effect of Ag, Cu, and Au Incorporation on the Diesel Soot Oxidation Behavior of SiO <sub>2</sub> : Role of Metallic Ag. <i>Topics in Catalysis</i> , <b>2013</b> , 56, 467-472	2.3	12
167	Tunable Fano resonance in symmetric multilayered gold nanoshells. <i>Nanoscale</i> , <b>2013</b> , 5, 209-16	7.7	61
166	Generation of biogas from coffee-pulp and cow-dung co-digestion: Infrared studies of postcombustion emissions. <i>Energy Conversion and Management</i> , <b>2013</b> , 74, 471-481	10.6	59
165	Diesel soot oxidation over silver-loaded SiO <sub>2</sub> catalysts. <i>Catalysis Today</i> , <b>2013</b> , 212, 63-69	5.3	37
164	Facile synthesis and magnetic phase transformation of NdBeB nanoclusters by oxygen bridging. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 275-281	7.1	18
163	Exploiting the Tunable Optical Response of Metallic Nanoshells <b>2013</b> , 99-149		1
162	Encapsulation and surface charge manipulation of organic and inorganic colloidal substrates by multilayered polyelectrolyte films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2013</b> , 434, 253-259	5.1	5
161	Dose enhancing behavior of hydrothermally grown Eu-doped SnO <sub>2</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 064306	2.5	22
160	Biodiesel production from <i>Jatropha curcas</i> crude oil using ZnO/SiO <sub>2</sub> photocatalyst for free fatty acids esterification. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 129, 39-47	21.8	91
159	Morphology control and optical properties of ZnO nanostructures grown by ultrasonic synthesis. <i>Advances in Nano Research</i> , <b>2013</b> , 1, 59-70		12
158	PL and TL behaviors of Ag-doped SnO <sub>2</sub> nanoparticles: effects of thermal annealing and Ag concentration. <i>Advances in Nano Research</i> , <b>2013</b> , 1, 193-202		7
157	Blue and red dual emission nanophosphor CaMgSi <sub>2</sub> O <sub>6</sub> :Eu <sup>n+</sup> ; crystal structure and electronic configuration. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 659-664	3.8	34
156	Synthesis of multifunctional metal- and metal oxide core@mesoporous silica shell structures by using a wet chemical approach. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 12314-21	4.8	11

155	Photoluminescence (PL) quenching and enhanced photocatalytic activity of Au-decorated ZnO nanorods fabricated through microwave-assisted chemical synthesis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 4807-16	9.5	159
154	Morphology evolution of hydrothermally grown ZnO nanostructures on gallium doping and their defect structures. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 135, 810-817	4.4	22
153	Crystallization induced porosity control and photocatalytic activity of ordered mesoporous TiO <sub>2</sub> . <i>RSC Advances</i> , <b>2012</b> , 2, 11969	3.7	9
152	Ion Implantation for the Fabrication of Plasmonic Nanocomposites: A Brief Review <b>2012</b> ,		3
151	Effects of crystallization and dopant concentration on the emission behavior of TiO <sub>2</sub> :Eu nanophosphors. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 1	5	1268
150	Gram-scale synthesis of highly crystalline, 0-D and 1-D SnO <sub>2</sub> nanostructures through surfactant-free hydrothermal process. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	13
149	Concentration and temperature effect on controlling pore size and surface area of mesoporous titania by using template of F-68 and F-127 co-polymer in the sol-gel process. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 5638-43	1.3	7
148	Morphology Defined ZnO Nanostructures Through Microwave Assisted Chemical Synthesis: Growth Mechanism, Defect Structure, and Emission Behaviours. <i>Advanced Science Letters</i> , <b>2012</b> , 6, 159-166	0.1	2
147	Hydrothermally Grown Ultra-Fine SnO <sub>2</sub> and SnO <sub>2</sub> :Ag Nanoparticles and Their Optical Characteristics. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 591-596	2.3	6
146	Synthesis of Monodispersed Red Emitting LiAl <sub>5</sub> O <sub>8</sub> :Fe <sup>3+</sup> Nanophosphors. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 597-603	2.3	9
145	Enhanced Fano Resonance in Asymmetrical Au:Ag Heterodimers. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6410-6414	3.8	75
144	Au@Ag core-shell nanoparticles: efficient all-plasmonic Fano-resonance generators. <i>Nanoscale</i> , <b>2011</b> , 3, 3609-12	7.7	71
143	Photoluminescence and Raman Scattering in Ag-doped ZnO Nanoparticles. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 014308	2.5	184
142	Single-crystal like mesoporous ZnO:Mn <sup>2+</sup> nanorings of high optoelectronic quality formed by self-assembly of nanoparticles in an ultrasonic hydrolysis process. <i>Nanoscale</i> , <b>2011</b> , 3, 4962	7.7	3
141	Configuring Au and Ag nanorods for sensing applications. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 714	1.7	17
140	Effects of surface oxidation on the linear optical properties of Cu nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2011</b> , 28, 2735	1.7	32
139	Cathodoluminescence evaluation of defect structure in hydrothermally grown ZnO:Sb nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 5526-31	1.3	3
138	Enhanced plasmonic behavior of bimetallic (Ag-Au) multilayered spheres. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 279	5	60

137	Enhanced Plasmonic Behavior of Incomplete Nanoshells: Effect of Local Field Irregularities on the Far-Field Optical Response. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 22271-22275	3.8	21
136	Effect of In, Sb and Ga doping on the structure and vibrational modes of hydrothermally grown ZnO nanostructures. <i>Current Applied Physics</i> , <b>2011</b> , 11, 525-531	2.6	27
135	Improving electrochromic behavior of spray pyrolysed WO <sub>3</sub> thin solid films by Mo doping. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 2599-2605	6.7	66
134	Photocatalytic behavior of ZnO and Pt-incorporated ZnO nanoparticles in phenol degradation. <i>Applied Catalysis A: General</i> , <b>2011</b> , 394, 269-275	5.1	120
133	MieLab: A Software Tool to Perform Calculations on the Scattering of Electromagnetic Waves by Multilayered Spheres. <i>International Journal of Spectroscopy</i> , <b>2011</b> , 2011, 1-10		49
132	Correlation of Silver Size Nanoparticles Between TEM and QELS. <i>Materials Research Society Symposia Proceedings</i> , <b>2010</b> , 1275, 1		1
131	Geometrical Tunability of Linear Optical Response of Silica-Gold Double Concentric Nanoshells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 4414-4417	3.8	30
130	Synthesis of alpha-GaO(OH) nanorods and their optical properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 1982-8	1.3	4
129	Comparison of implantation and diffusion behavior of Ti, Sb and N in ion-implanted single crystal and polycrystalline ZnO: A SIMS study. <i>Applied Surface Science</i> , <b>2010</b> , 256, 2143-2146	6.7	5
128	Synthesis and characterization of colloidal platinum nanoparticles for electrochemical applications. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 4215-4221	6.7	30
127	Generalizing segregation and chemical ordering in bimetallic nanoclusters through atomistic view points. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	27
126	Cathodoluminescence Quenching in Yb-Doped ZnO Nanostructures. <i>Journal of Nano Research</i> , <b>2009</b> , 5, 177-183	1	4
125	Synthesis of ZnO <sub>2</sub> Nanocrystals Produced by Hydrothermal Process. <i>Materials Research Society Symposia Proceedings</i> , <b>2009</b> , 1242, 1		1
124	Synthesis and Characterization of Polyaniline -Crooked Gold Nanocomposite with Reduced Conductivity. <i>Journal of Nano Research</i> , <b>2009</b> , 5, 79-85	1	2
123	Synthesis of Vertical ZnO Nanorods on Glass Substrates by Simple Chemical Method. <i>Journal of Nano Research</i> , <b>2009</b> , 5, 223-230	1	9
122	Encapsulated-dye all-organic charged colored ink nanoparticles for electrophoretic image display. <i>Advanced Materials</i> , <b>2009</b> , 21, 4987-4991	24	54
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