

# Tarasankar 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.

260 papers	18,298 citations	65 h-index	129 g-index
266 ext. papers	19,565 ext. citations	5 avg, IF	6.97 L-index

#	Paper	IF	Citations
260	Electrochemical aspects of coinage metal nanoparticles for catalysis and spectroscopy.. <i>RSC Advances</i> , <b>2022</b> , 12, 12116-12135	3.7	1
259	Chromism of chemical compounds. <i>Journal of the Indian Chemical Society</i> , <b>2021</b> , 98, 100073		0
258	Ammonium phosphomolybdate [(NH <sub>4</sub> ) <sub>3</sub> PMo <sub>12</sub> O <sub>40</sub> ] an inorganic ion exchanger for environmental application for purification of dye contaminant wastewater. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 418, 113427	4.7	4
257	Immobilization of size variable Au nanoparticles on surfactant-modified silica and their catalytic application toward 4-nitrophenol reduction: A comparative account of catalysis. <i>Surfaces and Interfaces</i> , <b>2021</b> , 26, 101423	4.1	1
256	Supported metal and metal oxide particles with proximity effect for catalysis.. <i>RSC Advances</i> , <b>2020</b> , 10, 35449-35472	3.7	13
255	Ammonium phosphomolybdate: a material for dielectric crossover and resistive switching performance. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 5343-5351	5.1	2
254	Organic molecule stabilized bismuth sulfide nanoparticles: A potential system for bistable resistive memory application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2020</b> , 116, 113787	3	12
253	Chromism of phosphomolybdate-dye moiety: A material for molecular nitrogen and oxygen binding. <i>Catalysis Today</i> , <b>2020</b> , 348, 230-235	5.3	3
252	Noble Metal  Transition Metal Oxides/Hydroxides: Desired Materials for Pseudocapacitor <b>2019</b> , 395-430		2
251	Fabrication of MoS <sub>2</sub> decorated reduced graphene oxide sheets from solid Mo-precursor for electrocatalytic hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2019</b> , 313, 341-351	6.7	19
250	The catalytic evaluation of bimetallic Pd-based nanocatalysts supported on ion exchange resin in nitro and alkyne reduction reactions. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 7083-7092	3.6	12
249	Achievement of silver-directed enhanced photophysical properties of gold nanoclusters. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 7074-7082	3.6	3
248	Theoretical Aspects of Synthesis for Controlled Morphological Nanostructures <b>2019</b> , 7-50		
247	Benzophenone assisted UV-activated synthesis of unique Pd-nanodendrite embedded reduced graphene oxide nanocomposite: a catalyst for C-C coupling reaction and fuel cell.. <i>RSC Advances</i> , <b>2019</b> , 9, 21329-21343	3.7	6
246	Laboratory based synthesis of the pure form of gananite (BiF <sub>3</sub> ) nanoparticles: a potential material for electrochemical supercapacitor application. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 18369-18376	3.6	10
245	Time and temperature dependent formation of hollow gold nanoparticles via galvanic replacement reaction of As(0) and its catalytic application. <i>MRS Communications</i> , <b>2019</b> , 9, 270-279	2.7	5
244	Carbon dot-Au(i)Ag(0) assembly for the construction of an artificial light harvesting system. <i>Dalton Transactions</i> , <b>2018</b> , 47, 3580-3587	4.3	3

243	Evolution of Silver-Mediated, Enhanced Fluorescent Au-Ag Nanoclusters under UV Activation: A Platform for Sensing. <i>ACS Omega</i> , <b>2018</b> , 3, 3463-3470	3.9	9
242	Fluorescence enhancement via varied long-chain thiol stabilized gold nanoparticles: A study of far-field effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 188, 551-560	4.4	12
241	One-Pot Fabrication of Perforated Graphitic Carbon Nitride Nanosheets Decorated with Copper Oxide by Controlled Ammonia and Sulfur Trioxide Release for Enhanced Catalytic Activity. <i>ACS Omega</i> , <b>2018</b> , 3, 9318-9332	3.9	17
240	Micelle confined mechanistic pathway for 4-nitrophenol reduction. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 493, 288-294	9.3	15
239	Facile Synthesis of Unique Hexagonal Nanoplates of Zn/Co Hydroxy Sulfate for Efficient Electrocatalytic Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8134-8141	9.5	45
238	Carbon dot-MnO <sub>2</sub> FRET system for fabrication of molecular logic gates. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 246, 716-725	8.5	18
237	Directional growth of Ag nanorod from polymeric silver cyanide: A potential substrate for concentration dependent SERS signal enhancement leading to melamine detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 183, 402-407	4.4	4
236	Remarkable Facet Selective Reduction of 4-Nitrophenol by Morphologically Tailored (111) Faceted CuO Nanocatalyst. <i>ACS Omega</i> , <b>2017</b> , 2, 1968-1984	3.9	67
235	Evolution, Stabilization, and Tuning of Metal-Enhanced Fluorescence in Aqueous Solution	<b>2017</b> , 151-178	2
234	Boron Precursor-Dependent Evolution of Differently Emitting Carbon Dots. <i>Langmuir</i> , <b>2017</b> , 33, 573-584	4	36
233	Silver Molybdates with Intriguing Morphology and as a Peroxidase Mimic with High Sulfide Sensing Capacity. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 295-307	3.5	21
232	Advance Aqueous Asymmetric Supercapacitor Based on Large 2D NiCoO Nanostructures and the rGO@FeO Composite. <i>ACS Omega</i> , <b>2017</b> , 2, 6576-6585	3.9	22
231	Silver-induced electronic drift in AgPd bimetallics: rationale for enhanced electrocatalytic activity of ethanol oxidation reaction. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 12278-12287	3.6	8
230	Role of Metal Nanoparticles and Its Surface Plasmon Activity on Nanocomposites for Visible Light-Induced Catalysis. <i>Springer Series on Polymer and Composite Materials</i> , <b>2017</b> , 69-105	0.9	
229	Bond-Energy-Driven, Low- or High-Angle-Grain-Boundary-Movement-Mediated Synthesis of Porous Se-Te for Use in Water-Splitting Reactions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 41818-41826	9.5	
228	Solvent Polarity-Dependent Behavior of Aliphatic Thiols and Amines toward Intriguingly Fluorescent AuAgGSH Assembly. <i>ACS Omega</i> , <b>2017</b> , 2, 8086-8098	3.9	4
227	An account of doping in carbon dots for varied applications. <i>Natural Resources &amp; Engineering</i> , <b>2017</b> , 2, 5-12		5
226	Bimetallic Nanoparticles: Synthesis and Characterization	<b>2017</b> , 79-96	

225	Enzyme mimicking inorganic hybrid Ni@MnO <sub>2</sub> for colorimetric detection of uric acid in serum samples. <i>RSC Advances</i> , <b>2016</b> , 6, 83738-83747	3.7	20
224	Enlightening surface plasmon resonance effect of metal nanoparticles for practical spectroscopic application. <i>RSC Advances</i> , <b>2016</b> , 6, 86174-86211	3.7	121
223	2D materials for renewable energy storage devices: Outlook and challenges. <i>Chemical Communications</i> , <b>2016</b> , 52, 13528-13542	5.8	71
222	Fabrication of Nitrogen-Doped Mesoporous-Carbon-Coated Palladium Nanoparticles: An Intriguing Electrocatalyst for Methanol and Formic Acid Oxidation. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1588-96	4.5	19
221	Suitable Morphology Makes CoSn(OH) <sub>6</sub> Nanostructure a Superior Electrochemical Pseudocapacitor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 17987-98	9.5	43
220	Synergism of gold and silver invites enhanced fluorescence for practical applications. <i>RSC Advances</i> , <b>2016</b> , 6, 17683-17703	3.7	38
219	Redox mediated synthesis of hierarchical Bi <sub>2</sub> O <sub>3</sub> /MnO <sub>2</sub> nanoflowers: a non-enzymatic hydrogen peroxide electrochemical sensor. <i>Dalton Transactions</i> , <b>2016</b> , 45, 4780-90	4.3	21
218	Soft template induced phase selective synthesis of Fe <sub>2</sub> O <sub>3</sub> nanomagnets: one step towards peroxidase-mimic activity allowing colorimetric sensing of thioglycolic acid. <i>RSC Advances</i> , <b>2016</b> , 6, 32308-32318	3.7	180
217	Fabrication of dog-bone shaped Au NRcorePt/Pdshell trimetallic nanoparticle-decorated reduced graphene oxide nanosheets for excellent electrocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 3765-3776	13.5	54
216	Enhanced Catalytic Activity of Ag/Rh Bimetallic Nanomaterial: Evidence of an Ensemble Effect. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 5457-5467	3.8	31
215	Hierarchical growth of ZnFe <sub>2</sub> O <sub>4</sub> for sensing applications. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 1861-1871	3.6	27
214	A ternary Cu <sub>2</sub> O-Cu-CuO nanocomposite: a catalyst with intriguing activity. <i>Dalton Transactions</i> , <b>2016</b> , 45, 3139-50	4.3	139
213	One pot synthesis of intriguing fluorescent carbon dots for sensing and live cell imaging. <i>Talanta</i> , <b>2016</b> , 150, 253-64	6.2	53
212	A pH dependent Raman and surface enhanced Raman spectroscopic studies of citrazinic acid aided by theoretical calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2016</b> , 169, 108-15	4.4	12
211	Metal Bromide Controlled Interfacial Aromatization Reaction for Shape-Selective Synthesis of Palladium Nanostructures with Efficient Catalytic Performances. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 10017-27	4.8	4
210	A new stable Pd-Mn <sub>3</sub> O <sub>4</sub> nanocomposite as an efficient electrocatalyst for the hydrogen evolution reaction. <i>Chemical Communications</i> , <b>2016</b> , 52, 6095-8	5.8	38
209	Superb Dye Adsorption and Dye-Sensitized Change in Cu <sub>2</sub> O@Ag Crystal Faces in the Dark. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 21580-21588	3.8	36
208	Proportion of composition in a composite does matter for advanced supercapacitor behavior. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17440-17454	13	19

207	Imine (-CH=N-) brings selectivity for silver enhanced fluorescence. <i>Dalton Transactions</i> , <b>2015</b> , 44, 4370-9	4.3	13
206	Faceted metal and metal oxide nanoparticles: design, fabrication and catalysis. <i>Nanoscale</i> , <b>2015</b> , 7, 14159-90	4.9	146
205	Orange-red silver emitters for sensing application and bio-imaging. <i>Dalton Transactions</i> , <b>2015</b> , 44, 11457-69	4.9	13
204	Redox-Mediated Synthesis of a Fe <sub>3</sub> O <sub>4</sub> /MnO <sub>2</sub> Nanocomposite for Dye Adsorption and Pseudocapacitance. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1571-80	4.5	26
203	Sensing trace arsenate by surface enhanced Raman scattering using a FeOOH doped dendritic Ag nanostructure. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10254-10257	13	21
202	Nitroarene reduction: a trusted model reaction to test nanoparticle catalysts. <i>Chemical Communications</i> , <b>2015</b> , 51, 9410-31	5.8	537
201	A Gel-Based Approach To Design Hierarchical CuS Decorated Reduced Graphene Oxide Nanosheets for Enhanced Peroxidase-like Activity Leading to Colorimetric Detection of Dopamine. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 23790-23800	3.8	103
200	Facile Synthesis of Bimetallic Au-Pt, Pd-Pt, and Au-Pd Nanostructures: Enhanced Catalytic Performance of Pd-Pt Analogue towards Fuel Cell Application and Electrochemical Sensing. <i>Electrochimica Acta</i> , <b>2015</b> , 180, 1075-1084	6.7	44
199	Silver nanoparticle anchored carbon dots for improved sensing, catalytic and intriguing antimicrobial activity. <i>Dalton Transactions</i> , <b>2015</b> , 44, 20692-707	4.3	35
198	Synthesis of multiwall carbon nanotube wrapped Co(OH) <sub>2</sub> flakes: A high-performance supercapacitor. <i>Applied Surface Science</i> , <b>2015</b> , 359, 500-507	6.7	23
197	A two-component hydrogelator from citrazinic acid and melamine: synthesis, intriguing role of reaction parameters and iodine adsorption study. <i>CrystEngComm</i> , <b>2015</b> , 17, 8119-8129	3.3	22
196	Mn <sub>3</sub> O <sub>4</sub> nanoparticles anchored to multiwall carbon nanotubes: a distinctive synergism for high-performance supercapacitors. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 8373-8380	3.6	27
195	Liquor ammonia mediated V(V) insertion in thin Co <sub>3</sub> O <sub>4</sub> sheets for improved pseudocapacitors with high energy density and high specific capacitance value. <i>Chemical Communications</i> , <b>2015</b> , 51, 15986-9	5.8	47
194	Intriguing cysteine induced improvement of the emissive property of carbon dots with sensing applications. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 2394-403	3.6	24
193	Solid-state transformation of single precursor vanadium complex nanostructures to VO <sub>2</sub> and VO <sub>2</sub> catalytic activity of VO <sub>2</sub> for oxidative coupling of 2-naphthol. <i>Dalton Transactions</i> , <b>2015</b> , 44, 1889-99	4.3	17
192	Synthesis of active tin: an efficient reagent for allylation reaction of carbonyl compounds. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 1685-1690	3.6	9
191	Improved photocatalytic activity of ZnO coupled CuO nanocomposites synthesized by reflux condensation method. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 625, 362-370	5.7	101
190	Precursor salt assisted syntheses of high-index faceted concave hexagon and nanorod-like polyoxometalates. <i>Nanoscale</i> , <b>2015</b> , 7, 708-19	7.7	10

189	Preformed ZnS nanoflower prompted evolution of CuS/ZnS p-n heterojunctions for exceptional visible-light driven photocatalytic activity. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 5628-5635	3.6	55
188	Au@Pd core-shell nanoparticles-decorated reduced graphene oxide: a highly sensitive and selective platform for electrochemical detection of hydrazine. <i>RSC Advances</i> , <b>2015</b> , 5, 51690-51700	3.7	65
187	Aromaticity driven interfacial synthetic strategy for porous platinum nanostructure: An efficient electrocatalyst for methanol and formic acid oxidation. <i>Electrochimica Acta</i> , <b>2015</b> , 159, 52-60	6.7	14
186	Biomolecule-mediated CdS-TiO <sub>2</sub> -reduced graphene oxide ternary nanocomposites for efficient visible light-driven photocatalysis. <i>Dalton Transactions</i> , <b>2015</b> , 44, 193-201	4.3	46
185	Surface Plasmon Effect of Cu and Presence of n-p Heterojunction in Oxide Nanocomposites for Visible Light Photocatalysis. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 3780-3790	3.8	59
184	Evolution of tubular copper sulfide nanostructures from copper(I)-metal organic precursor: a superior platform for the removal of Hg(II) and Pb(II) ions. <i>RSC Advances</i> , <b>2015</b> , 5, 12446-12453	3.7	16
183	A one pot synthesis of Au/ZnO nanocomposites for plasmon-enhanced sunlight driven photocatalytic activity. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 2999	3.6	73
182	The tuning of metal enhanced fluorescence for sensing applications. <i>Dalton Transactions</i> , <b>2014</b> , 43, 10324-10347	4.7	28
181	Hierarchical Au/CuO nanocomposite from redox transformation reaction for surface enhanced Raman scattering and clock reaction. <i>CrystEngComm</i> , <b>2014</b> , 16, 883-893	3.3	57
180	Mn oxide-silver composite nanowires for improved thermal stability, SERS and electrical conductivity. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 9111-9	4.8	10
179	Tailored Sandwich Strategy in Surface Enhanced Raman Scattering: Case Study with para-Phenylenediamine and Application in Femtomolar Detection of Melamine. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 28152-28161	3.8	10
178	Modified hydrothermal reaction (MHT) for CoV <sub>2</sub> O <sub>6</sub> ·4H <sub>2</sub> O nanowire formation and the transformation to CoV <sub>2</sub> O <sub>6</sub> ·2H <sub>2</sub> O single-crystals for antiferromagnetic ordering and spin-flop. <i>RSC Advances</i> , <b>2014</b> , 4, 56977-56983	3.7	10
177	Redox transformation reaction for hierarchical hollow Au/MnOOH flowers for high SERS activity. <i>RSC Advances</i> , <b>2014</b> , 4, 30315	3.7	14
176	Ligand chain length conveys thermochromism. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11624-36	4.3	2
175	Aggregation of nitroaniline in tetrahydrofuran through intriguing H-bond formation by sodium borohydride. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 12865-74	3.6	1
174	Tin oxide with a p-n heterojunction ensures both UV and visible light photocatalytic activity. <i>RSC Advances</i> , <b>2014</b> , 4, 208-211	3.7	62
173	Intrinsic peroxidase-like activity of mesoporous nickel oxide for selective cysteine sensing. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6097-6105	7.3	91
172	Deposition of zinc oxide nanomaterial on different substrates for useful applications. <i>CrystEngComm</i> , <b>2014</b> , 16, 4322	3.3	9



171	Redox-switchable copper(I) metallogel: a metal-organic material for selective and naked-eye sensing of picric acid. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6308-16	9.5	112
170	Photoproduced fluorescent Au(I)@(Ag <sub>2</sub> /Ag <sub>3</sub> )-thiolate giant cluster: an intriguing sensing platform for DMSO and Pb(II). <i>Langmuir</i> , <b>2014</b> , 30, 348-57	4	19
169	Serendipitous Synthesis of Ag <sub>1.92</sub> Mo <sub>3</sub> O <sub>10</sub> ·H <sub>2</sub> O Nanowires from AgNO <sub>3</sub> -Assisted Etching of Ammonium Phosphomolybdate: A Material with High Adsorption Capacity. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 5034-5041	3.5	15
168	Green synthesis of highly fluorescent Au(I)@Ag <sub>2</sub> /Ag <sub>3</sub> -thiolate core-shell particles for selective detection of cysteine and Pb(II). <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 18185-97	3.6	16
167	Facile synthesis of pyridine intercalated ultra-long V <sub>2</sub> O <sub>5</sub> nanowire from commercial V <sub>2</sub> O <sub>5</sub> : catalytic applications in selective dye degradation. <i>CrystEngComm</i> , <b>2014</b> , 16, 7738	3.3	19
166	Redox-responsive copper(I) metallogel: a metal-organic hybrid sorbent for reductive removal of chromium(VI) from aqueous solution. <i>Langmuir</i> , <b>2014</b> , 30, 7833-41	4	60
165	Decoration of Fe <sub>3</sub> O <sub>4</sub> Base Material with Pd Loaded CdS Nanoparticle for Superior Photocatalytic Efficiency. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 11485-11494	3.8	33
164	Morphology controlled synthesis of SnS <sub>2</sub> nanomaterial for promoting photocatalytic reduction of aqueous Cr(VI) under visible light. <i>Langmuir</i> , <b>2014</b> , 30, 4157-64	4	155
163	Selective dopamine chemosensing using silver-enhanced fluorescence. <i>Langmuir</i> , <b>2014</b> , 30, 4120-8	4	26
162	Mesoporous gold and palladium nanoleaves from liquid-liquid interface: enhanced catalytic activity of the palladium analogue toward hydrazine-assisted room-temperature 4-nitrophenol reduction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9134-43	9.5	79
161	Account of nitroarene reduction with size- and facet-controlled CuO-MnO <sub>2</sub> nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9173-84	9.5	66
160	Intriguing manipulation of metal-enhanced fluorescence for the detection of Cu(II) and cysteine. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12470-6	4.8	10
159	Fabrication of superhydrophobic copper surface on various substrates for roll-off, self-cleaning, and water/oil separation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22034-43	9.5	99
158	Evolution of amorphous selenium nanoballs in silicone oil and their solvent induced morphological transformation. <i>Chemical Communications</i> , <b>2014</b> , 50, 15733-6	5.8	18
157	Fluorescent Au(I)@Ag <sub>2</sub> /Ag <sub>3</sub> giant cluster for selective sensing of mercury(II) ion. <i>Dalton Transactions</i> , <b>2014</b> , 43, 11557-65	4.3	31
156	Silver nanoparticle decorated reduced graphene oxide (rGO) nanosheet: a platform for SERS based low-level detection of uranyl ion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8724-32	9.5	222
155	Benzoin derived reduced graphene oxide (rGO) and its nanocomposite: application in dye removal and peroxidase-like activity. <i>RSC Advances</i> , <b>2013</b> , 3, 21475	3.7	30
154	Pure inorganic gel: a new host with tremendous sorption capability. <i>Chemical Communications</i> , <b>2013</b> , 49, 9428-30	5.8	20

153	Green synthesis and reversible dispersion of a giant fluorescent cluster in solid and liquid phase. <i>Langmuir</i> , <b>2013</b> , 29, 10945-58	4	26
152	Morphological Evolution of Two-Dimensional MnO <sub>2</sub> Nanosheets and Their Shape Transformation to One-Dimensional Ultralong MnO <sub>2</sub> Nanowires for Robust Catalytic Activity. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 23976-23986	3.8	113
151	Crystal-Plane-Dependent Etching of Cuprous Oxide Nanoparticles of Varied Shapes and Their Application in Visible Light Photocatalysis. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 24640-24653	3.8	43
150	Fabrication of porous $\beta$ -Co(OH) <sub>2</sub> architecture at room temperature: a high performance supercapacitor. <i>Langmuir</i> , <b>2013</b> , 29, 9179-87	4	133
149	A facile synthesis of 1D nano structured selenium and Au decorated nano selenium: catalysts for the clock reaction. <i>RSC Advances</i> , <b>2013</b> , 3, 24313	3.7	36
148	Robust cubooctahedron Zn <sub>3</sub> V <sub>2</sub> O <sub>8</sub> in gram quantity: a material for photocatalytic dye degradation in water. <i>CrystEngComm</i> , <b>2013</b> , 15, 6745	3.3	42
147	Synthesis of gold nanochains via photoactivation technique and their catalytic applications. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 398, 13-21	9.3	40
146	Synthesis of highly fluorescent silver clusters on gold(I) surface. <i>Langmuir</i> , <b>2013</b> , 29, 2033-43	4	51
145	Large-scale solid-state synthesis of Sn-SnO <sub>2</sub> nanoparticles from layered SnO by sunlight: a material for dye degradation in water by photocatalytic reaction. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 2339-45	10.3	91
144	Fabrication of a ZnO nanocolumnar thin film on a glass slide and its reversible switching from a superhydrophobic to a superhydrophilic state. <i>RSC Advances</i> , <b>2013</b> , 3, 5937	3.7	30
143	Hierarchical Gold Flower with Sharp Tips from Controlled Galvanic Replacement Reaction for High Surface Enhanced Raman Scattering Activity. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 24301-24313	3.8	72
142	Diiminic Schiff bases: an intriguing class of compounds for a copper-nanoparticle-induced fluorescence study. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 15845-55	4.8	16
141	Purification of Gold Organosol by Solid Reagent. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 9265-9273	3.8	19
140	Methylene Blue/TiO <sub>2</sub> Reaction Made Easy in Acidic Medium. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25741-25747	3.8	47
139	Selective and sensitive recognition of Cu <sup>2+</sup> in an aqueous medium: a surface-enhanced Raman scattering (SERS)-based analysis with a low-cost Raman reporter. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 6335-42	4.8	39
138	The magnetic proximity effect in a ferrimagnetic Fe <sub>3</sub> O <sub>4</sub> core/ferrimagnetic $\gamma$ -Mn <sub>2</sub> O <sub>3</sub> shell nanoparticle system. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 506004	1.8	15
137	Intriguing Fluorescence Behavior of Diiminic Schiff Bases in the Presence of in situ Produced Noble Metal Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 22138-22147	3.8	19
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