

# Young Soo Kang

## 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.

230  
papers

6,018  
citations

41  
h-index

69  
g-index

255  
ext. papers

6,536  
ext. citations

4.6  
avg, IF

5.79  
L-index

#	Paper	IF	Citations
230	Thermodynamically controlled photo-electrochemical CO <sub>2</sub> reduction at Cu/rGO/PVP/Nafion multi-layered dark cathode for selective production of formaldehyde and acetaldehyde. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 303, 120921	21.8	4
229	Four-step eco-friendly energy efficient recycling of contaminated NdFeB sludge and coercivity enhancement by reducing oxygen content. <i>Scientific Reports</i> , <b>2021</b> , 11, 22255	4.9	3
228	Novel eco-friendly low cost and energy efficient synthesis of (Nd-Pr-Dy)FeB magnetic powder from monazite concentrate. <i>Scientific Reports</i> , <b>2021</b> , 11, 20594	4.9	2
227	Determination of Dy substitution site in NdDyFeB by HAADF-STEM and illustration of magnetic anisotropy of "g" and "f" sites, before and after substitution. <i>Scientific Reports</i> , <b>2021</b> , 11, 6347	4.9	3
226	Magnetic spin exchange interaction in SmCo/Co nanocomposite magnet for large energy product. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 589, 157-165	9.3	1
225	Enhancement of anisotropy energy of SmCo by ceasing the coupling at 2c sites in the crystal lattice with Cu substitution. <i>Scientific Reports</i> , <b>2021</b> , 11, 10063	4.9	4
224	Enhanced solar photoreduction of CO <sub>2</sub> to liquid fuel over rGO grafted NiO-CeO <sub>2</sub> heterostructure nanocomposite. <i>Nano Energy</i> , <b>2021</b> , 79, 105483	17.1	18
223	Interfacial Engineering at Quantum Dot-Sensitized TiO Photoelectrodes for Ultrahigh Photocurrent Generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6208-6218	9.5	1
222	Selective liquid chemicals on CO <sub>2</sub> reduction by energy level tuned rGO/TiO <sub>2</sub> dark cathode with BiVO <sub>4</sub> photoanode. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 295, 120267	21.8	4
221	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
220	Electrodeposited CuAgHg Multimetallc Thin Films for Improved CO <sub>2</sub> Conversion: the Dramatic Impact of Hg Incorporation on Product Selectivity. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6670-6677	6.1	8
219	Eco-Friendly Facile Three-Step Recycling Method of (Nd-RE) <sub>2</sub> Fe <sub>14</sub> B Magnet Sludge and Enhancement of (BH) <sub>max</sub> by Ball Milling in Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 8156-8163	8.3	15
218	Selective Alcohol on Dark Cathodes by Photoelectrochemical CO <sub>2</sub> Valorization and Their In Situ Characterization. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 1549-1555	20.1	7
217	Energy band edge alignment of anisotropic BiVO <sub>4</sub> to drive photoelectrochemical hydrogen evolution. <i>Materials Today Energy</i> , <b>2019</b> , 13, 205-213	7	8
216	General Review on the Components and Parameters of Photoelectrochemical System for CO <sub>2</sub> Reduction with in Situ Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7431-7455	8.3	47
215	Electrocatalysis of 5-hydroxymethylfurfural at cobalt based spinel catalysts with filamentous nanoarchitecture in alkaline media. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 242, 85-91	21.8	83
214	Artificial Photosynthesis for Formaldehyde Production with 85% of Faradaic Efficiency by Tuning the Reduction Potential. <i>ACS Catalysis</i> , <b>2018</b> , 8, 968-974	13.1	24

213	Highly enhancing photoelectrochemical performance of facilely-fabricated Bi-induced (002)-oriented WO <sub>3</sub> film with intermittent short-time negative polarization. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 233, 88-98	21.8	28
212	Morphology Selective Cu <sub>2</sub> O Microcrystal by Electrodeposition on TiO <sub>2</sub> Nanotubes for Enhancing Photoelectrochemical Performance. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 6929-6935	3.5	6
211	Enhanced Efficiency of Functional Smart Window with Solar Wavelength Conversion Phosphor-Photochromic Hybrid Film. <i>ACS Omega</i> , <b>2018</b> , 3, 9505-9512	3.9	15
210	Efficient Approaches on Photochemical CO <sub>2</sub> Reduction to Alcohol by Solar Light with Functional Multi-layered Membrane Catalysts. <i>MRS Advances</i> , <b>2018</b> , 3, 3271-3280	0.7	5
209	Magnetic and Photochemical Properties of Cu Doped Hematite Nanocrystal. <i>Materials Science Forum</i> , <b>2017</b> , 893, 136-143	0.4	1
208	A selective morphosynthetic approach for single crystalline hematite through morphology evolution via microwave assisted hydrothermal synthesis. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2017</b> , 53, 341-347	6.3	4
207	Inorganic assembly catalysts for artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 198, 481-507	3.6	2
206	Molecular catalysts for artificial photosynthesis: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 198, 353-395	3.95	6
205	Growth of Single Crystalline TiO <sub>2</sub> Nanorods as a Photoanode for Dye-Sensitized Solar Cell. <i>Materials Science Forum</i> , <b>2017</b> , 893, 144-150	0.4	1
204	Fabrication of p-Cu <sub>2</sub> O/n-Bi-WO <sub>3</sub> heterojunction thin films: optical and photoelectrochemical properties. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 755-762	3.6	13
203	Dual-Function Au@YO:Eu Smart Film for Enhanced Power Conversion Efficiency and Long-Term Stability of Perovskite Solar Cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 6849	4.9	27
202	Electrochemical CO reduction with low overpotential by a poly(4-vinylpyridine) electrode for application to artificial photosynthesis. <i>Faraday Discussions</i> , <b>2017</b> , 198, 409-418	3.6	5
201	Chemical synthesis of Nd <sub>2</sub> Fe <sub>14</sub> B hard phase magnetic nanoparticles with an enhanced coercivity value: effect of CaH <sub>2</sub> amount on the magnetic properties. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10181-10186	3.6	21
200	Surfactant free fabrication and improved charge carrier separation induced enhanced photocatalytic activity of {001} facet exposed unique octagonal BiOCl nanosheets. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 19595-604	3.6	29
199	Crystal facet engineering of ZnO photoanode for the higher water splitting efficiency with proton transferable nafion film. <i>Nano Energy</i> , <b>2016</b> , 20, 156-167	17.1	75
198	(040)-Crystal Facet Engineering of BiVO <sub>4</sub> Plate Photoanodes for Solar Fuel Production. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1501754	21.8	110
197	Wavelength conversion effect-assisted dye-sensitized solar cells for enhanced solar light harvesting. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11908-11915	13	13
196	Ferromagnetism of Single-Crystalline Cu <sub>2</sub> O Induced through Poly(N-vinyl-2-pyrrolidone) Interaction Triggering d-Orbital Alteration. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 13350-13356	3.8	14

195	Ultrathin insulating under-layer with a hematite thin film for enhanced photoelectrochemical (PEC) water splitting activity. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 15723-15728	13	27
194	Tuning of the crystal engineering and photoelectrochemical properties of crystalline tungsten oxide for optoelectronic device applications. <i>CrystEngComm</i> , <b>2015</b> , 17, 6070-6093	3.3	93
193	Preparation of Fe <sub>2</sub> O <sub>3</sub> films by electrodeposition and photodeposition of CoBi on them to enhance their photoelectrochemical properties. <i>RSC Advances</i> , <b>2015</b> , 5, 36307-36314	3.7	22
192	Preparation of Nd-Fe-B by nitrate-citrate auto-combustion followed by the reduction-diffusion process. <i>Nanoscale</i> , <b>2015</b> , 7, 8016-22	7.7	31
191	Phosphor positioning for effective wavelength conversion in dye-sensitized solar cells. <i>Nano Energy</i> , <b>2015</b> , 13, 573-581	17.1	22
190	A selectively exposed crystal facet-engineered TiO <sub>2</sub> thin film photoanode for the higher performance of the photoelectrochemical water splitting reaction. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 3646-3653	35.4	89
189	Selective construction of junctions on different facets of BiVO <sub>4</sub> for enhancing photo-activity. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 9918-9925	3.6	24
188	Crystalline Matrix of Mesoporous TiO <sub>2</sub> Framework for Dye-Sensitized Solar Cell Application. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 24902-24909	3.8	9
187	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
186	Enhanced photocurrent density of hematite thin films on FTO substrates: effect of post-annealing temperature. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 16145-50	3.6	17
185	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
184	Manual assembly of nanocrystals for enhanced photoelectrochemical efficiency of hematite film. <i>Chemical Communications</i> , <b>2015</b> , 51, 6407-10	5.8	17
183	Formation of a CdO layer on CdS/ZnO nanorod arrays to enhance their photoelectrochemical performance. <i>ChemSusChem</i> , <b>2014</b> , 7, 3505-12	8.3	23
182	Facile Fabrication of WO <sub>3</sub> Nanoplates Thin Films with Dominant Crystal Facet of (002) for Water Splitting. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 6057-6066	3.5	136
181	Facile fabrication and photoelectrochemical properties of a one axis-oriented NiO thin film with a (111) dominant facet. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 19867-19872	13	20
180	One-step transformation of Cu to Cu <sub>2</sub> O in alkaline solution. <i>RSC Advances</i> , <b>2014</b> , 4, 18616	3.7	38
179	The effect of hydrogen treatment on magnetic property of porous iron oxides nanorods. <i>Materials Letters</i> , <b>2014</b> , 136, 245-250	3.3	2
178	Facile preparation of hierarchical TiO <sub>2</sub> nano structures: growth mechanism and enhanced photocatalytic H <sub>2</sub> production from water splitting using methanol as a sacrificial reagent. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 10342-52	9.5	65

177	Nd <sub>2</sub> Fe <sub>14</sub> B Synthesis: Effect of Excess Neodymium on Phase Purity and Magnetic Property. <i>Bulletin of the Korean Chemical Society</i> , <b>2014</b> , 35, 886-890	1.2	13
176	Fabrication of hollow metal oxide nanocrystals by etching cuprous oxide with metal(II) ions: approach to the essential driving force. <i>Nanoscale</i> , <b>2013</b> , 5, 11227-33	7.7	25
175	Photocatalysis: progress using manganese-doped hematite nanocrystals. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 4004	3.6	23
174	Fabrication of SrTiO <sub>3</sub> /TiO <sub>2</sub> heterojunction photoanode with enlarged pore diameter for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 11820	13	79
173	Axis-oriented, continuous anatase titania films with exposed reactive {100} facets. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9376-80	4.8	15
172	Manganese-doped highly ordered mesoporous silicate with high efficiency for oxidation suppression. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 135-40	4.8	1
171	Facile synthesis and magnetic phase transformation of Nd <sub>2</sub> Fe <sub>14</sub> B nanoclusters by oxygen bridging. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 275-281	7.1	18
170	One pot synthesis of exchange coupled Nd <sub>2</sub> Fe <sub>14</sub> B/α-Fe by pechini type sol-gel method. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 7717-22	1.3	25
169	Fabrication of (001)-oriented monoclinic WO <sub>3</sub> films on FTO substrates. <i>Nanoscale</i> , <b>2013</b> , 5, 5279-82	7.7	74
168	Copper nanoparticles incorporated with conducting polymer: effects of copper concentration and surfactants on the stability and conductivity. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 365, 103-9	9.3	75
167	Facile preparation of p-CuO and p-CuO/n-CuWO <sub>4</sub> junction thin films and their photoelectrochemical properties. <i>Electrochimica Acta</i> , <b>2012</b> , 69, 340-344	6.7	69
166	Preparation and application of magnetic cobalt/SiO <sub>2</sub> core/shell nanospheres. <i>Materials Letters</i> , <b>2012</b> , 66, 285-288	3.3	3
165	Blue and red dual emission nanophosphor CaMgSi <sub>2</sub> O <sub>6</sub> :Eu <sup>2+</sup> ; crystal structure and electronic configuration. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 659-664	3.8	34
164	Controlling crystal growth orientation and crystallinity of cadmium sulfide nanocrystals in aqueous phase by using cationic surfactant. <i>CrystEngComm</i> , <b>2012</b> , 14, 7888	3.3	11
163	Cu and Cu <sub>2</sub> O films with semi-spherical particles grown by electrochemical deposition. <i>Thin Solid Films</i> , <b>2012</b> , 524, 50-56	2.2	21
162	Hierarchical NiO hollow microspheres: electrochemical and magnetic properties. <i>RSC Advances</i> , <b>2012</b> , 2, 9786	3.7	9
161	Vertical cobalt dendrite array films: electrochemical deposition and characterization, glucose oxidation and magnetic properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 12296		26
160	One pot synthesis of hard phase Nd <sub>2</sub> Fe <sub>14</sub> B nanoparticles and Nd <sub>2</sub> Fe <sub>14</sub> B/γ-Fe nanocomposite magnetic materials. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 2405	3.6	28

159	Morphology evolution of dendritic Fe wire array by electrodeposition, and photoelectrochemical properties of Fe <sub>2</sub> O <sub>3</sub> dendritic wire array. <i>CrystEngComm</i> , <b>2012</b> , 14, 6957	3.3	27
158	Nanocrystals of Hematite with Unconventional Shape-Truncated Hexagonal Bipyramid and Its Optical and Magnetic Properties. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 862-868	3.5	62
157	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
156	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
155	Enhanced photoluminescence of single crystalline ZnO nanotubes in ZnAl <sub>2</sub> O <sub>4</sub> shell. <i>CrystEngComm</i> , <b>2012</b> , 14, 1205	3.3	7
154	Wavelength conversion using rare earth doped oxides in polyolefin based nanocomposite films. <i>Polymer International</i> , <b>2012</b> , 61, 943-950	3.3	2
153	One-dimensional ferromagnetic dendritic iron wire array growth by facile electrochemical deposition. <i>Nanoscale</i> , <b>2012</b> , 4, 1565-7	7.7	19
152	Preparation of dendritic NiFe films by electrodeposition for oxygen evolution. <i>RSC Advances</i> , <b>2012</b> , 2, 4759	3.7	47
151	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
150	Synthesis of Monodispersed Red Emitting LiAlSiO <sub>8</sub> :Fe <sup>3+</sup> Nanophosphors. <i>Science of Advanced Materials</i> , <b>2012</b> , 4, 597-603	2.3	9
149	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
148	Axis-Oriented, Anatase TiO <sub>2</sub> Single Crystals with Dominant {001} and {100} Facets. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 3947-3953	3.5	73
147	Facile preparation of Fe <sub>2</sub> O <sub>3</sub> thin film with photoelectrochemical properties. <i>Chemical Communications</i> , <b>2011</b> , 47, 2441-3	5.8	73
146	Tunable electrochemical preparation of cobalt micro/nanostructures and their morphology-dependent wettability property. <i>Electrochimica Acta</i> , <b>2011</b> , 58, 699-706	6.7	43
145	Phase transfer of Au nanoparticles using one chemical inducer: DDAB. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 2399-2406	2.3	9
144	Electron Spin Resonance Study on the Photoinduced Electron Transfer in Chlorophyll a in Reconstituted Lipid Bilayer Vesicles. <i>Applied Magnetic Resonance</i> , <b>2011</b> , 40, 567-580	0.8	
143	Single-Crystalline Porous Hematite Nanorods: Photocatalytic and Magnetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 19129-19135	3.8	49
142	Size tuned electrophoretic pyrazoline nanoparticles prepared through dispersion-polymerization. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 357, 31-5	9.3	4

141	Hydrothermal synthesis of anatase TiO <sub>2</sub> nanorods with high crystallinity using ammonia solution as a solvent. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 6007-12	1.3	3
140	A Study on the Crystalline Structure of Sodium Titanate Nanobelts Prepared by the Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 8294-8301	3.8	26
139	Preparation and Characterization of the Magnetic Fluid of Trimethoxyhexadecylsilane-Coated Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 9802-9807	3.8	29
138	Reduction of Volume Shrinkage in Holographic Polymer Dispersed Liquid Crystal Based on Epoxy Containing Polymer Matrices. <i>Bulletin of the Chemical Society of Japan</i> , <b>2010</b> , 83, 726-731	5.1	
137	Preparation of conducting silver paste with Ag nanoparticles prepared by e-beam irradiation. <i>Radiation Physics and Chemistry</i> , <b>2010</b> , 79, 1149-1153	2.5	24
136	The influence of low temperature on gamma-ray irradiated permanent magnets. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 6953-6	1.3	2
135	Dielectric and magnetic properties of (x)CoFe <sub>2</sub> O <sub>4</sub> +(1-x)Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> magnetoelectric composites. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 116, 6-10	4.4	45
134	Encapsulated-dye all-organic charged colored ink nanoparticles for electrophoretic image display. <i>Advanced Materials</i> , <b>2009</b> , 21, 4987-4991	24	54
133	Morphological transformation of Co(OH) <sub>2</sub> microspheres from solid to flowerlike hollow core-shell structures. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 1886-92	4.8	44
132	Preparation and characterization of Fe <sub>2</sub> O <sub>3</sub> nanorod-thin film by metalorganic chemical vapor deposition. <i>Thin Solid Films</i> , <b>2009</b> , 517, 1853-1856	2.2	48
131	Dielectric and magnetoelectric properties of (Ni,Cu)Fe <sub>2</sub> O <sub>4</sub> + [(Ba,Pb)(Ti,Zr)]O <sub>3</sub> composites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2009</b> , 20, 632-636	2.1	12
130	Surface Investigation and Magnetic Behavior of Co Nanoparticles Prepared via a Surfactant-Mediated Polyol Process. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 5081-5086	3.8	39
129	Effect of Different Surfactants on the Size Control and Optical Properties of Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Nanoparticles Prepared by Coprecipitation Method. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 13600-13604	3.8	43
128	Kinetics of decolorization of spironaphthooxazine-doped photochromic polymer films. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 12923-7	3.4	8
127	Ultrasound-Assisted Synthesis of Mesoporous ZnO Nanostructures of Different Porosities. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 14676-14680	3.8	39
126	Preparation of Dendritic Copper Nanostructures and Their Characterization for Electroreduction. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15891-15896	3.8	95
125	Fabrication of Hierarchical ZnO Nanostructures via a Surfactant-Directed Process. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 2906-2910	3.5	49
124	Effect of Different Additives on the Size Control and Emission Properties of Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Nanoparticles Prepared through the Coprecipitation Method. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 16652-16657	3.8	33

123	Bulklike Thermal Behavior of Antibacterial AgBiO <sub>2</sub> Nanocomposites. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 5105-5110	3.8	27
122	Template assisted growth of cobalt ferrite nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 4942-7	1.3	9
121	Gamma-ray irradiation on microsized Nd-Fe-B and Sr-ferrite magnets at low temperature. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 4067-72	1.3	
120	Characterization on the microstructure of gamma-ray irradiated Nd <sub>2</sub> Fe <sub>14</sub> B magnet. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 827-31	1.3	
119	Characterization of Ag nanoparticle superlattice structure prepared using two carboxylic acids. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 4324-7	1.3	
118	New avenues to efficient chemical synthesis of exchange coupled hard/soft nanocomposite magnet. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 4453-8	1.3	5
117	Copper plating on the polyimide film by electroless plating techniques for EMI shielding. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 7065-70	1.3	1
116	Magnetic property of Sm-Co nanoparticles prepared by solution phase metal salt reduction. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 7071-5	1.3	2
115	Solventless nanoparticles synthesis under low pressure. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 121-7	5.1	26
114	Synthesis and Photo-Polymerization of Poly(Alkyl Urethane) Acrylate Oligomers Using 2-Isocyanatoethyl Methacrylate for UV Curable Coating. <i>Molecular Crystals and Liquid Crystals</i> , <b>2008</b> , 492, 56/[420]-63/[427]	0.5	1
113	Inorganic Cluster Synthesis and Characterization of Transition-Metal-Doped ZnO Hollow Spheres. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2609-2613	3.5	42
112	Spectroscopic observation of atomic hydrogen radicals entrapped in icy hydrogen hydrate. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9208-9	16.4	25
111	Characterization of the Spironaphthooxazine Doped Photochromic Glass: The Effect of Matrix Polarity and Pore Size. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 1140-1145	3.8	22
110	Copper Metallization on the Surface-Modified Polyimide Films by Electroless Plating Method. <i>Molecular Crystals and Liquid Crystals</i> , <b>2008</b> , 492, 275/[639]-282/[646]	0.5	1
109	PREPARATION OF ANTIBACTERIAL SILVER-CONTAINING SILICA NANOCOMPOSITE. <i>Surface Review and Letters</i> , <b>2008</b> , 15, 117-122	1.1	4
108	Synthesis and Characterization of Vitamin Encapsulated Mesoporous Silica with TEOS. <i>Journal of Nano Research</i> , <b>2008</b> , 3, 89-96	1	2
107	Investigation of Co nanoparticle assemblies induced by magnetic field. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2008</b> , 14, 22-27	6.3	11
106	Synthesis and investigation of SmCo <sub>5</sub> magnetic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 313-314, 621-624	5.1	19



105	Preparation and Characterization of Nd <sub>2</sub> Fe <sub>14</sub> B/γ-Fe Nanocomposite Magnetic Material by Reduction Diffusion Process. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 464, 127/[709]-135/[717]	0.5	4
104	PREPARATION AND CHARACTERIZATION OF Ag(CORE)/SiO <sub>2</sub> (SHELL) NANOPARTICLES. <i>Surface Review and Letters</i> , <b>2007</b> , 14, 693-696	1.1	8
103	Chemical Synthesis and Silica Encapsulation of NiPt Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 10747-10750	3.8	39
102	CuNi Dendritic Material: Synthesis, Mechanism Discussion, and Application as Glucose Sensor. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4174-4180	9.6	171
101	Exchange-Coupling Effect of Nd <sub>2</sub> Fe <sub>14</sub> B/FeCo Nanocomposite by Colloidal Method. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 464, 1/[583]-7/[589]	0.5	3
100	Superlattice of Ag Nanoparticles Prepared by New One-Step Synthetic Method in Aqueous Phase. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5049-5051	9.6	23
99	Synthesis of Highly Magnetized Iron Nanoparticles by a Solventless Thermal Decomposition Method. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 6275-6280	3.8	55
98	Vast magnetic monolayer film with surfactant-stabilized Fe <sub>3</sub> O <sub>4</sub> nanoparticles using Langmuir-Blodgett technique. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 9288-93	3.4	58
97	Fabrication of Superparamagnetic Cobalt Nanoparticles-Embedded Block Copolymer Microcapsules. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2426-2429	3.8	35
96	Preparation of Magnetic Hybrid Copolymer/Cobalt Hierarchical Hollow Spheres by Localized Ostwald Ripening. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 6485-6491	9.6	62
95	Synthesis and Characterization of Antibacterial Ag/BiO <sub>2</sub> Nanocomposite. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 3629-3635	3.8	255
94	Synthesis and magnetic properties of one-dimensional zinc nickel oxide solid solution. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 4195-8	2.8	17
93	Preparation for exchange-coupled permanent magnetic composite between γ-Fe (soft) and Nd <sub>2</sub> Fe <sub>14</sub> B (hard). <i>Current Applied Physics</i> , <b>2007</b> , 7, 400-403	2.6	16
92	Preparation of magnetic FeCo nanoparticles by coprecipitation route. <i>Current Applied Physics</i> , <b>2007</b> , 7, 404-408	2.6	43
91	Different coordination modes of Hdipic and dipic ligands to nickel(II) ions in a same environment (dipic = 2,6-pyridinedicarboxylate, dipicolinate). <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 2819-2823	2.7	43
90	Preparation of aqueous dispersion of colloidal γ-Fe nanoparticle by phase transfer. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 126, 221-225	8.5	6
89	Spectroscopic study on the precipitation of sodium alkyl sulfate with cetylpyridinium chloride. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 314, 683-8	9.3	4
88	Characterization and Magnetic Behavior of Fe and Nd/Fe Nanoparticles by Surfactant-Capped High-Energy Ball Mill. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 1219-1222	3.8	30

87	Monte Carlo simulation of the molecular properties of poly(vinyl chloride) and poly(vinyl alcohol) melts. <i>Macromolecular Research</i> , <b>2007</b> , 15, 491-497	1.9	7
86	PLATING OF COPPER LAYERS ON POLYIMIDES USING ELECTROLESS PLATING BY SURFACE MODIFICATION. <i>Surface Review and Letters</i> , <b>2007</b> , 14, 593-596	1.1	2
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84	Heating Temperature Effect on the Magnetic Property of $\text{Fe}$ Nanoparticle. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 472, 69/[459]-75/[465]	0.5	2
83	SYNTHESIS AND CHARACTERIZATION OF POLYURETHANE ACRYLATES FOR UV CURABLE COATING AGENTS. <i>Surface Review and Letters</i> , <b>2007</b> , 14, 713-717	1.1	
82	Preparation and Antibiotic Property of Ag-SiO <sub>2</sub> Nanoparticle. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 464, 83/[665]-91/[673]	0.5	4
81	Grafting of Trifluoroacetic Acid Allyl Ester onto Linear Low Density Polyethylene by $\text{E}$ Ray Irradiation. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 464, 169/[751]-176/[758]	0.5	
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78	The Synthesis and Characterization of SmCo Magnetic Nanoparticle by Thermal Decomposition. <i>Molecular Crystals and Liquid Crystals</i> , <b>2007</b> , 464, 39/[621]-49/[631]	0.5	1
77	Synthesis and Characterization of Co Nanoparticles by Solventless Thermal Decomposition. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 71-74	0.4	1
76	A Study of Exchange-Coupling Effect on Nd <sub>2</sub> Fe <sub>14</sub> B / $\text{Fe}$ Forming Core/Shell Shape. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 147-150	0.4	4
75	Preparation and Characterization of Soft Phase Magnetic $\text{Fe}$ Nanoparticles by Different Methods. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 151-154	0.4	
74	Preparation and Characterization of Anti-Fogging Low Density Polymer Film. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 47-50	0.4	
73	Synthesis and Properties of TiO <sub>2</sub> /ZnO Core/Shell Nanomaterials. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 239-242	0.4	4
72	Comparison of Optical Properties of Pyrazoline Derivative Nanoparticles. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 39-42	0.4	1
71	Synthesis of Nanosized $\text{Fe}$ and Enhancement of Magnetic Property. <i>Solid State Phenomena</i> , <b>2007</b> , 119, 323-326	0.4	
70	Preparation and Reversible Phase Transfer of CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 7875-7878	3.8	38

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66	Synthesis and characterization of nanoparticle of TiO <sub>2</sub> co-doped with Sc <sup>3+</sup> and V <sup>5+</sup> ions. <i>Current Applied Physics</i> , <b>2006</b> , 6, 801-804	2.6	21
65	Preparation and Characterization Silver and Copper Layers on Polyimide Prepared by Electroless Copper Plating. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 947, 1		
64	Synthesis and Characterization of Nickel-Doped ZnO Nanocrystals. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 957, 1		2
63	Fabrication of Polymeric Capsules Enclosing Electrophoretic Particle Dispersion. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 949, 1		
62	Preparation of Water Dispersed Indium Tin Oxide Sol Solution. <i>Molecular Crystals and Liquid Crystals</i> , <b>2006</b> , 444, 247-255	0.5	5
61	PREPARATION AND CHARACTERIZATION OF ORGANIC THIN FILM OF STEARIC ACID/PYRAZOLINE NANOPARTICLES. <i>International Journal of Nanoscience</i> , <b>2006</b> , 05, 199-205	0.6	1
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58	Preparation of Organic Thin Films of Stearic Acid/Pyrazoline Nanoparticles by Langmuir-Blodgett Technique. <i>Molecular Crystals and Liquid Crystals</i> , <b>2006</b> , 445, 259/[549]-267/[557]	0.5	2
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52	Synthesis and characterization of highly magnetized nanocrystalline Co(30)Fe(70) alloy by chemical reduction. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 24418-23	3.4	31

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47	Synthesis and characterization of crystalline FeCo nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 3417-21	1.3	
46	Preparation of a vast CoFe <sub>2</sub> O <sub>4</sub> magnetic monolayer by Langmuir-Blodgett technique. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 14939-44	3.4	39
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