

Young Soo Kang

List of Publications by Year in descending order

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250
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7,054
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61984

43
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74163

75
g-index

255
all docs

255
docs citations

255
times ranked

9967
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Nanometer-Size Fe ₃ O ₄ and γ -Fe ₂ O ₃ Particles. <i>Chemistry of Materials</i> , 1996, 8, 2209-2211.	6.7	1,058
2	Synthesis and Characterization of Antibacterial Ag ⁺ /SiO ₂ Nanocomposite. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3629-3635.	3.1	283
3	Preparation and Characterization of the Antibacterial Cu Nanoparticle Formed on the Surface of SiO ₂ Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24923-24928.	2.6	229
4	CuNi Dendritic Material: Synthesis, Mechanism Discussion, and Application as Glucose Sensor. <i>Chemistry of Materials</i> , 2007, 19, 4174-4180.	6.7	187
5	Facile Fabrication of WO ₃ Nanoplates Thin Films with Dominant Crystal Facet of (002) for Water Splitting. <i>Crystal Growth and Design</i> , 2014, 14, 6057-6066.	3.0	171
6	Electrocatalysis of 5-hydroxymethylfurfural at cobalt based spinel catalysts with filamentous nanoarchitecture in alkaline media. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 85-91.	20.2	145
7	(040) Crystal Facet Engineering of BiVO ₄ Plate Photoanodes for Solar Fuel Production. <i>Advanced Energy Materials</i> , 2016, 6, 1501754.	19.5	136
8	Tuning of the crystal engineering and photoelectrochemical properties of crystalline tungsten oxide for optoelectronic device applications. <i>CrystEngComm</i> , 2015, 17, 6070-6093.	2.6	116
9	Synthesis of oleate capped Cu nanoparticles by thermal decomposition. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 284-285, 364-368.	4.7	115
10	Preparation of Dendritic Copper Nanostructures and Their Characterization for Electroreduction. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15891-15896.	3.1	106
11	Fabrication of SrTiO ₃ /TiO ₂ heterojunction photoanode with enlarged pore diameter for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11820.	10.3	100
12	A selectively exposed crystal facet-engineered TiO ₂ thin film photoanode for the higher performance of the photoelectrochemical water splitting reaction. <i>Energy and Environmental Science</i> , 2015, 8, 3646-3653.	30.8	100
13	Crystal facet engineering of ZnO photoanode for the higher water splitting efficiency with proton transferable nafion film. <i>Nano Energy</i> , 2016, 20, 156-167.	16.0	99
14	General Review on the Components and Parameters of Photoelectrochemical System for CO ₂ Reduction with in Situ Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7431-7455.	6.7	87
15	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> , 2012, 365, 103-109.	9.4	86
16	Fabrication of (001)-oriented monoclinic WO ₃ films on FTO substrates. <i>Nanoscale</i> , 2013, 5, 5279.	5.6	82
17	Facile preparation of Fe ₂ O ₃ thin film with photoelectrochemical properties. <i>Chemical Communications</i> , 2011, 47, 2441-2443.	4.1	80
18	Facile preparation of p-CuO and p-CuO/n-CuWO ₄ junction thin films and their photoelectrochemical properties. <i>Electrochimica Acta</i> , 2012, 69, 340-344.	5.2	78

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19	Structure and Characterization of Nanocomposite Langmuir-Blodgett Films of Poly(maleic) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	76
20	Axis-Oriented, Anatase TiO ₂ Single Crystals with Dominant {001} and {100} Facets. Crystal Growth and Design, 2011, 11, 3947-3953.	3.0	76
21	Synthesis of Silver Nanocrystallites by a New Thermal Decomposition Method and Their Characterization. ETRI Journal, 2004, 26, 252-256.	2.0	72
22	Facile Preparation of Hierarchical TiO ₂ Nano Structures: Growth Mechanism and Enhanced Photocatalytic H ₂ Production from Water Splitting Using Methanol as a Sacrificial Reagent. ACS Applied Materials & Interfaces, 2014, 6, 10342-10352.	8.0	71
23	Nanocrystals of Hematite with Unconventional Shape-Truncated Hexagonal Bipyramid and Its Optical and Magnetic Properties. Crystal Growth and Design, 2012, 12, 862-868.	3.0	67
24	Vast Magnetic Monolayer Film with Surfactant-Stabilized Fe ₃ O ₄ Nanoparticles Using Langmuir-Blodgett Technique. Journal of Physical Chemistry B, 2007, 111, 9288-9293.	2.6	66
25	Preparation of Magnetic Hybrid Copolymer-Cobalt Hierarchical Hollow Spheres by Localized Ostwald Ripening. Chemistry of Materials, 2007, 19, 6485-6491.	6.7	63
26	Synthesis of Highly Magnetized Iron Nanoparticles by a Solventless Thermal Decomposition Method. Journal of Physical Chemistry C, 2007, 111, 6275-6280.	3.1	60
27	Encapsulated Dye All-Organic Charged Colored Ink Nanoparticles for Electrophoretic Image Display. Advanced Materials, 2009, 21, 4987-4991.	21.0	60
28	Dielectric and magnetic properties of (x)CoFe ₂ O ₄ +(1-x)Ba _{0.8} Sr _{0.2} TiO ₃ magnetoelectric composites. Materials Chemistry and Physics, 2009, 116, 6-10.	4.0	58
29	Preparation of dendritic NiFe films by electrodeposition for oxygen evolution. RSC Advances, 2012, 2, 4759.	3.6	58
30	In Situ Observation of Domain Structure in Monolayers of Arachidic Acid/Fe ₃ O ₄ Nanoparticle Complexes at the Air/Water Interface. Journal of Physical Chemistry B, 2002, 106, 9341-9346.	2.6	55
31	Fabrication of Hierarchical ZnO Nanostructures via a Surfactant-Directed Process. Crystal Growth and Design, 2009, 9, 2906-2910.	3.0	54
32	Synthesis and structural properties of manganese titanate MnTiO ₃ nanoparticle. Materials Science and Engineering C, 2004, 24, 71-74.	7.3	53
33	Single-Crystalline Porous Hematite Nanorods: Photocatalytic and Magnetic Properties. Journal of Physical Chemistry C, 2011, 115, 19129-19135.	3.1	53
34	Preparation and characterization of Fe ₃ O ₄ nanorod-thin film by metal-organic chemical vapor deposition. Thin Solid Films, 2009, 517, 1853-1856.	1.8	52
35	Enhanced solar photoreduction of CO ₂ to liquid fuel over rGO grafted NiO-CeO ₂ heterostructure nanocomposite. Nano Energy, 2021, 79, 105483.	16.0	51
36	Preparation of magnetic FeCo nanoparticles by coprecipitation route. Current Applied Physics, 2007, 7, 404-408.	2.4	50

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37	One-step transformation of Cu to Cu ₂ O in alkaline solution. RSC Advances, 2014, 4, 18616.	3.6	48
38	Inorganic Cluster Synthesis and Characterization of Transition-Metal-Doped ZnO Hollow Spheres. Crystal Growth and Design, 2008, 8, 2609-2613.	3.0	46
39	Preparation of a Vast CoFe ₂ O ₄ Magnetic Monolayer by Langmuir-Blodgett Technique. Journal of Physical Chemistry B, 2005, 109, 14939-14944.	2.6	45
40	Tunable electrochemical preparation of cobalt micro/nanostructures and their morphology-dependent wettability property. Electrochimica Acta, 2011, 58, 699-706.	5.2	45
41	Different coordination modes of Hdipic and dipic ligands to nickel(II) ions in a same environment (dipic=2,6-pyridinedicarboxylate, dipicolinate). Inorganica Chimica Acta, 2007, 360, 2819-2823.	2.4	44
42	Morphological Transformation of Co(OH) ₂ Microspheres from Solid to Flowerlike Hollow Core-Shell Structures. Chemistry - A European Journal, 2009, 15, 1886-1892.	3.3	44
43	Effect of Different Surfactants on the Size Control and Optical Properties of Y ₂ O ₃ :Eu ³⁺ Nanoparticles Prepared by Coprecipitation Method. Journal of Physical Chemistry C, 2009, 113, 13600-13604.	3.1	44
44	Ultrasound-Assisted Synthesis of Mesoporous ZnO Nanostructures of Different Porosities. Journal of Physical Chemistry C, 2009, 113, 14676-14680.	3.1	44
45	Chemical Synthesis and Silica Encapsulation of NiPt Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 10747-10750.	3.1	43
46	Large-Scale Synthesis of Perpendicular Side-Faceted One-Dimensional ZnO Nanocrystals. Inorganic Chemistry, 2006, 45, 4186-4190.	4.0	42
47	Preparation and Reversible Phase Transfer of CoFe ₂ O ₄ Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 7875-7878.	3.1	42
48	Fabrication of Superparamagnetic Cobalt Nanoparticles-Embedded Block Copolymer Microcapsules. Journal of Physical Chemistry C, 2007, 111, 2426-2429.	3.1	41
49	Surface Investigation and Magnetic Behavior of Co Nanoparticles Prepared via a Surfactant-Mediated Polyol Process. Journal of Physical Chemistry C, 2009, 113, 5081-5086.	3.1	40
50	Fabrication of Fe ₃ O ₄ @mSiO ₂ Core-Shell Composite Nanoparticles for Drug Delivery Applications. Nanoscale Research Letters, 2015, 10, 217.	5.7	39
51	Highly enhancing photoelectrochemical performance of facily-fabricated Bi-induced (002)-oriented WO ₃ film with intermittent short-time negative polarization. Applied Catalysis B: Environmental, 2018, 233, 88-98.	20.2	38
52	Blue and red dual emission nanophosphor CaMgSi ₂ O ₆ :Eu ⁺ ; crystal structure and electronic configuration. Journal of Luminescence, 2012, 132, 659-664.	3.1	36
53	Preparation of Nd-Fe-B by nitrate-citrate auto-combustion followed by the reduction-diffusion process. Nanoscale, 2015, 7, 8016-8022.	5.6	36
54	Surfactant free fabrication and improved charge carrier separation induced enhanced photocatalytic activity of {001} facet exposed unique octagonal BiOCl nanosheets. Physical Chemistry Chemical Physics, 2016, 18, 19595-19604.	2.8	36

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55	Artificial Photosynthesis for Formaldehyde Production with 85% of Faradaic Efficiency by Tuning the Reduction Potential. <i>ACS Catalysis</i> , 2018, 8, 968-974.	11.2	36
56	Synthesis of Cu Nanoparticles Prepared by Using Thermal Decomposition of Cu-oleate Complex. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 445, 231/[521]-238/[528].	0.9	35
57	Synthesis and Characterization of Highly Magnetized Nanocrystalline Co ₃₀ Fe ₇₀ Alloy by Chemical Reduction. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24418-24423.	2.6	35
58	Effect of Different Additives on the Size Control and Emission Properties of Y ₂ O ₃ :Eu ³⁺ Nanoparticles Prepared through the Coprecipitation Method. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16652-16657.	3.1	35
59	Ultrathin insulating under-layer with a hematite thin film for enhanced photoelectrochemical (PEC) water splitting activity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15723-15728.	10.3	35
60	Dual-Function Au@Y ₂ O ₃ :Eu ³⁺ Smart Film for Enhanced Power Conversion Efficiency and Long-Term Stability of Perovskite Solar Cells. <i>Scientific Reports</i> , 2017, 7, 6849.	3.3	35
61	Brewster Angle Microscopy Study of a Magnetic Nanoparticle/Polymer Complex at the Air/Water Interface. <i>Langmuir</i> , 1996, 12, 4345-4349.	3.5	33
62	Characterization and Magnetic Behavior of Fe and Nd [~] Fe [~] B Nanoparticles by Surfactant-Capped High-Energy Ball Mill. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1219-1222.	3.1	32
63	A Study on the Crystalline Structure of Sodium Titanate Nanobelts Prepared by the Hydrothermal Method. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8294-8301.	3.1	32
64	Morphology evolution of dendritic Fe wire array by electrodeposition, and photoelectrochemical properties of \pm -Fe ₂ O ₃ dendritic wire array. <i>CrystEngComm</i> , 2012, 14, 6957.	2.6	32
65	Preparation and Characterization of the Magnetic Fluid of Trimethoxyhexadecylsilane-Coated Fe ₃ O ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9802-9807.	3.1	31
66	Vertical cobalt dendrite array films: electrochemical deposition and characterization, glucose oxidation and magnetic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 12296.	6.7	31
67	Preparation and characterization of pyrazoline nanoparticles. <i>Materials Science and Engineering C</i> , 2004, 24, 131-134.	7.3	30
68	Bulklike Thermal Behavior of Antibacterial Ag [~] SiO ₂ Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5105-5110.	3.1	30
69	One pot synthesis of hard phase Nd ₂ Fe ₁₄ B nanoparticles and Nd ₂ Fe ₁₄ B/ \pm -Fe nanocomposite magnetic materials. <i>New Journal of Chemistry</i> , 2012, 36, 2405.	2.8	30
70	Spectroscopic Observation of Atomic Hydrogen Radicals Entrapped in Icy Hydrogen Hydrate. <i>Journal of the American Chemical Society</i> , 2008, 130, 9208-9209.	13.7	29
71	Preparation of conducting silver paste with Ag nanoparticles prepared by e-beam irradiation. <i>Radiation Physics and Chemistry</i> , 2010, 79, 1149-1153.	2.8	28
72	Selective construction of junctions on different facets of BiVO ₄ for enhancing photo-activity. <i>New Journal of Chemistry</i> , 2015, 39, 9918-9925.	2.8	28

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73	One Pot Synthesis of Exchange Coupled Nd ₂ Fe ₁₄ B/Î±-Fe by Pechini Type Sol-Gel Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 7717-7722.	0.9	27
74	Chemical synthesis of Nd ₂ Fe ₁₄ B hard phase magnetic nanoparticles with an enhanced coercivity value: effect of CaH ₂ amount on the magnetic properties. <i>New Journal of Chemistry</i> , 2016, 40, 10181-10186.	2.8	27
75	Solventless Nanoparticles Synthesis under Low Pressure. <i>Inorganic Chemistry</i> , 2008, 47, 121-127.	4.0	26
76	Fabrication of hollow metal oxide nanocrystals by etching cuprous oxide with metal(ii) ions: approach to the essential driving force. <i>Nanoscale</i> , 2013, 5, 11227.	5.6	26
77	Preparation of Î±-Fe ₂ O ₃ films by electrodeposition and photodeposition of Co ²⁺ on them to enhance their photoelectrochemical properties. <i>RSC Advances</i> , 2015, 5, 36307-36314.	3.6	26
78	An electron magnetic resonance study on the photoionization of N-alkylphenothiazines in dioctadecyldimethylammonium chloride frozen vesicles: the effect of urea, 1,3-dimethylurea, 1,3-diethylurea, and 1,1',3,3'-tetramethylurea. <i>The Journal of Physical Chemistry</i> , 1992, 96, 10055-10060.	2.9	25
79	Preparation of indium tin oxide nanoparticles and their application to near IR-reflective film. <i>Current Applied Physics</i> , 2006, 6, 791-795.	2.4	25
80	Photocatalysis: progress using manganese-doped hematite nanocrystals. <i>New Journal of Chemistry</i> , 2013, 37, 4004.	2.8	25
81	Formation of a CdO Layer on CdS/ZnO Nanorod Arrays to Enhance their Photoelectrochemical Performance. <i>ChemSusChem</i> , 2014, 7, 3505-3512.	6.8	25
82	Enhanced photocurrent density of hematite thin films on FTO substrates: effect of post-annealing temperature. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16145-16150.	2.8	25
83	Enhanced Efficiency of Functional Smart Window with Solar Wavelength Conversion Phosphor-Photochromic Hybrid Film. <i>ACS Omega</i> , 2018, 3, 9505-9512.	3.5	25
84	Comparative electron spin resonance and electron spin echo modulation studies of the photoionization of positively and negatively charged and neutral alkylphenothiazines in cationic dioctadecyldimethylammonium chloride, neutral dipalmitoylphosphatidylcholine, and anionic dihexadecyl phosphate vesicles at 77 K. <i>The Journal of Physical Chemistry</i> , 1993, 97, 2027-2033.	2.9	24
85	Preparation of monodisperse Co and Fe nanoparticle using precursor of M ²⁺ -oleate ₂ (M=Co, Fe). <i>Current Applied Physics</i> , 2006, 6, 786-790.	2.4	24
86	Superlattice of Ag Nanoparticles Prepared by New One-Step Synthetic Method in Aqueous Phase. <i>Chemistry of Materials</i> , 2007, 19, 5049-5051.	6.7	24
87	Cu and Cu ₂ O films with semi-spherical particles grown by electrochemical deposition. <i>Thin Solid Films</i> , 2012, 524, 50-56.	1.8	24
88	Facile synthesis and magnetic phase transformation of Nd-Fe-B nanoclusters by oxygen bridging. <i>Journal of Materials Chemistry C</i> , 2013, 1, 275-281.	5.5	24
89	Phosphor positioning for effective wavelength conversion in dye-sensitized solar cells. <i>Nano Energy</i> , 2015, 13, 573-581.	16.0	24
90	Alkyl chain length effects on the photoionization of N-alkylphenothiazines and sulfonated alkylphenothiazines in anionic alkyl sulfate and cationic alkyltrimethylammonium bromide micelles. <i>The Journal of Physical Chemistry</i> , 1991, 95, 7944-7947.	2.9	23

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91	Characterization of the Spiroanthooxazine Doped Photochromic Glass: The Effect of Matrix Polarity and Pore Size. <i>Journal of Physical Chemistry C</i> , 2008, 112, 1140-1145.	3.1	23
92	One-dimensional ferromagnetic dendritic iron wire array growth by facile electrochemical deposition. <i>Nanoscale</i> , 2012, 4, 1565.	5.6	23
93	Eco-Friendly Facile Three-Step Recycling Method of (Nd-RE) ₂ Fe ₁₄ B Magnet Sludge and Enhancement of (BH) _{max} by Ball Milling in Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 8156-8163.	6.7	23
94	Manual assembly of nanocrystals for enhanced photoelectrochemical efficiency of hematite film. <i>Chemical Communications</i> , 2015, 51, 6407-6410.	4.1	22
95	Synthesis and characterization of nanoparticle of TiO ₂ co-doped with Sc ³⁺ and V ⁵⁺ ions. <i>Current Applied Physics</i> , 2006, 6, 801-804.	2.4	21
96	Synthesis and investigation of SmCo ₅ magnetic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 621-624.	4.7	21
97	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> , 2014, 2, 19867-19872.	10.3	21
98	Emission controlled dual emitting Eu-doped CaMgSi ₂ O ₆ nanophosphors. <i>Journal of Luminescence</i> , 2015, 157, 131-136.	3.1	19
99	Ferromagnetism of Single-Crystalline Cu ₂ O Induced through Poly(<i>N</i> -vinyl-2-pyrrolidone) Interaction Triggering d-Orbital Alteration. <i>Journal of Physical Chemistry C</i> , 2015, 119, 13350-13356.	3.1	18
100	Electron Magnetic Resonance Study of the Photoreduction of Alkylviologens in Anionic Sodium Dodecyl Sulfate and Cationic Dodecyltrimethylammonium Bromide Micelles. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5319-5323.	2.6	17
101	Synthesis and Magnetic Properties of One-Dimensional Zinc Nickel Oxide Solid Solution. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4195-4198.	2.5	17
102	Wavelength conversion effect-assisted dye-sensitized solar cells for enhanced solar light harvesting. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11908-11915.	10.3	17
103	Electrodeposited CuAgHg Multimetallic Thin Films for Improved CO ₂ Conversion: the Dramatic Impact of Hg Incorporation on Product Selectivity. <i>ACS Applied Energy Materials</i> , 2020, 3, 6670-6677.	5.1	17
104	Nd ₂ Fe ₁₄ B Synthesis: Effect of Excess Neodymium on Phase Purity and Magnetic Property. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 886-890.	1.9	17
105	Thermodynamically controlled photo-electrochemical CO ₂ reduction at Cu/rGO/PVP/Nafion multi-layered dark cathode for selective production of formaldehyde and acetaldehyde. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120921.	20.2	17
106	Photoinduced electron transfer from (alkoxyphenyl)triphenylporphyrins to interface water of aerosol dioctyl- and cetyltrimethylammonium bromide/alcohol reverse micelles at 77 K. <i>The Journal of Physical Chemistry</i> , 1994, 98, 1044-1048.	2.9	16
107	Preparation for exchange-coupled permanent magnetic composite between \hat{I}_{\pm} -Fe (soft) and Nd ₂ Fe ₁₄ B (hard). <i>Current Applied Physics</i> , 2007, 7, 400-403.	2.4	16
108	Electron magnetic resonance studies on the photoionization of N-alkylphenothiazines in micellar solutions: effect of urea on the radical photoyield. <i>The Journal of Physical Chemistry</i> , 1992, 96, 10049-10055.	2.9	15

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109	Axis-Oriented, Continuous Anatase Titania Films with Exposed Reactive {100} Facets. Chemistry - A European Journal, 2013, 19, 9376-9380.	3.3	15
110	Fabrication of p-Cu ₂ O/n-Bi-WO ₃ heterojunction thin films: optical and photoelectrochemical properties. New Journal of Chemistry, 2017, 41, 755-762.	2.8	15
111	Selective Alcohol on Dark Cathodes by Photoelectrochemical CO ₂ Valorization and Their In Situ Characterization. ACS Energy Letters, 2019, 4, 1549-1555.	17.4	15
112	Headgroup Immersion Depth and Its Effect on the Lateral Diffusion of Amphiphiles at the Air/Water Interface. Journal of Physical Chemistry B, 2000, 104, 2082-2089.	2.6	14
113	Low-temperature synthesis and shape control of ZnO nanorods. Current Applied Physics, 2006, 6, 796-800.	2.4	14
114	Dielectric and magnetoelectric properties of (Ni,Cu)Fe ₂ O ₄ /(Ba,Pb)(Ti,Zr)O ₃ composites. Journal of Materials Science: Materials in Electronics, 2009, 20, 632-636.	2.2	13
115	Synthesis of Multifunctional Metal and Metal Oxide Core@Mesoporous Silica Shell Structures by Using a Wet Chemical Approach. Chemistry - A European Journal, 2012, 18, 12314-12321.	3.3	13
116	The size-dependent optical properties of 1-phenyl-3-naphthyl-5-((dimethylamino)phenyl)-2-pyrazoline nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 257-258, 415-418.	4.7	12
117	Investigation of Co nanoparticle assemblies induced by magnetic field. Journal of Industrial and Engineering Chemistry, 2008, 14, 22-27.	5.8	12
118	Controlling crystal growth orientation and crystallinity of cadmium sulfide nanocrystals in aqueous phase by using cationic surfactant. CrystEngComm, 2012, 14, 7888.	2.6	12
119	Energy band edge alignment of anisotropic BiVO ₄ to drive photoelectrochemical hydrogen evolution. Materials Today Energy, 2019, 13, 205-213.	4.7	12
120	Preparation and characterization of magnetic nanoparticles by γ -irradiation. Materials Science and Engineering C, 2004, 24, 107-111.	7.3	11
121	Hierarchical NiO hollow microspheres: electrochemical and magnetic properties. RSC Advances, 2012, 2, 9786.	3.6	11
122	Crystalline Matrix of Mesoporous TiO ₂ Framework for Dye-Sensitized Solar Cell Application. Journal of Physical Chemistry C, 2015, 119, 24902-24909.	3.1	11
123	Enhancement of anisotropy energy of SmCo ₅ by ceasing the coupling at 2c sites in the crystal lattice with Cu substitution. Scientific Reports, 2021, 11, 10063.	3.3	11
124	Selective liquid chemicals on CO ₂ reduction by energy level tuned rGO/TiO ₂ dark cathode with BiVO ₄ photoanode. Applied Catalysis B: Environmental, 2021, 295, 120267.	20.2	11
125	New synthetic method of semiconducting nanorods and nanowires CdE (E=S and Se) by γ -irradiation. Current Applied Physics, 2006, 6, 781-785.	2.4	10
126	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. Journal of Nanoscience and Nanotechnology, 2012, 12, 5638-5643.	0.9	10

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127	Crystallization induced porosity control and photocatalytic activity of ordered mesoporous TiO ₂ . RSC Advances, 2012, 2, 11969.	3.6	10
128	Synthesis of Monodispersed Red Emitting LiAl ₅ O ₈ :Fe ³⁺ Nanophosphors. Science of Advanced Materials, 2012, 4, 597-603.	0.7	10
129	Electron Spin Resonance and Electron Spin Echo Modulation Studies on Photoinduced Charge Separation from N-Alkylphenothiazines in Sodium Dodecyl Sulfate Micelles: A Effect of I ⁻ and I ²⁻ -Cyclodextrin Addition. Journal of Physical Chemistry B, 1997, 101, 519-523.	2.6	9
130	Electron paramagnetic resonance and electron nuclear double resonance studies of photoinduced charge separation from N-methylphenothiazine doped into poly(ethylene oxide) and poly(propylene) Tj ETQq0 0 0 ngBT /Overlock 10 Tf		
131	Template Assisted Growth of Cobalt Ferrite Nanowires. Journal of Nanoscience and Nanotechnology, 2009, 9, 4942-4947.	0.9	9
132	Phase transfer of Au nanoparticles using one chemical inducer: DDAB. Journal of Nanoparticle Research, 2011, 13, 2399-2406.	1.9	9
133	Morphology Selective Cu ₂ O Microcrystal by Electrodeposition on TiO ₂ Nanotubes for Enhancing Photoelectrochemical Performance. Crystal Growth and Design, 2018, 18, 6929-6935.	3.0	9
134	Four-step eco-friendly energy efficient recycling of contaminated Nd ₂ Fe ₁₄ B sludge and coercivity enhancement by reducing oxygen content. Scientific Reports, 2021, 11, 22255.	3.3	9
135	Electron paramagnetic resonance and proton matrix electron nuclear double resonance studies of N,N,N',N'-tetramethylbenzidine photoionization in sodium dodecyl sulfate micelles: structural effects of added alcohols. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 4085-4089.	1.7	8
136	Electron Magnetic Resonance Study on the Mobility of Nitroxide Spin Probes in the Dipalmitoylphosphatidylcholine Lipid Bilayers: Effect of Poly(ethylene glycol). Langmuir, 1998, 14, 5184-5187.	3.5	8
137	Synthesis of Indium Tin Oxide Nanoparticles and Application to Near IR-reflective Film. Materials Research Society Symposia Proceedings, 2004, 818, 250.	0.1	8
138	Synthesis and Characterization of the Nickel Titanate NiTiO ₃ Nanoparticles in CTAB Micelle. Journal of Dispersion Science and Technology, 2006, 27, 727-730.	2.4	8
139	PREPARATION AND CHARACTERIZATION OF Ag (CORE)/SiO ₂ (SHELL) NANOPARTICLES. Surface Review and Letters, 2007, 14, 693-696.	1.1	8
140	Preparation of aqueous dispersion of colloidal I [±] -Fe nanoparticle by phase transfer. Sensors and Actuators B: Chemical, 2007, 126, 221-225.	7.8	8
141	Kinetics of Decolorization of Spironaphthooxazine-Doped Photochromic Polymer Films. Journal of Physical Chemistry B, 2009, 113, 12923-12927.	2.6	8
142	Enhanced photoluminescence of single crystalline ZnO nanotubes in ZnAl ₂ O ₄ shell. CrystEngComm, 2012, 14, 1205.	2.6	8
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