

Chandran Karunakaran

List of Publications by Year in descending order

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190
papers

4,046
citations

136740

32
h-index

155451

55
g-index

195
all docs

195
docs citations

195
times ranked

4888
citing authors

#	ARTICLE	IF	CITATIONS
1	Cu-doped TiO ₂ nanoparticles for photocatalytic disinfection of bacteria under visible light. Journal of Colloid and Interface Science, 2010, 352, 68-74.	5.0	189
2	Mitochondria superoxide dismutase mimetic inhibits peroxide-induced oxidative damage and apoptosis: Role of mitochondrial superoxide. Free Radical Biology and Medicine, 2005, 39, 567-583.	1.3	180
3	Preparation and characterization of antimicrobial Ce-doped ZnO nanoparticles for photocatalytic detoxification of cyanide. Materials Chemistry and Physics, 2010, 123, 585-594.	2.0	173
4	Optical, electrical, photocatalytic, and bactericidal properties of microwave synthesized nanocrystalline Ag-ZnO and ZnO. Solid State Sciences, 2011, 13, 923-928.	1.5	128
5	Enhanced photocatalytic and antibacterial activities of sol-gel synthesized ZnO and Ag-ZnO. Materials Science in Semiconductor Processing, 2011, 14, 133-138.	1.9	125
6	Synthesis and Characterization of Rare Earth Orthovanadate (RVO ₄ ; R=Al, Ce, Nd, Sm, Eu & Gd) Nanorods/Nanocrystals/Nanospindles by a Facile Sonochemical Method and Their Catalytic Properties. Journal of Cluster Science, 2009, 20, 291-305.	1.7	118
7	Semiconductor-catalyzed degradation of phenols with sunlight. Solar Energy Materials and Solar Cells, 2008, 92, 1315-1321.	3.0	112
8	Antibacterial and photocatalytic activities of sonochemically prepared ZnO and Ag-ZnO. Journal of Alloys and Compounds, 2010, 508, 587-591.	2.8	110
9	Photocatalysis with ZrO ₂ : oxidation of aniline. Journal of Molecular Catalysis A, 2005, 233, 1-8.	4.8	100
10	Fe ₂ O ₃ -photocatalysis with sunlight and UV light: Oxidation of aniline. Electrochemistry Communications, 2006, 8, 95-101.	2.3	98
11	Solvothermal Synthesis of CeO ₂ -TiO ₂ Nanocomposite for Visible Light Photocatalytic Detoxification of Cyanide. ACS Sustainable Chemistry and Engineering, 2013, 1, 1555-1563.	3.2	97
12	Nonquenching of Charge Carriers by Fe ₃ O ₄ Core in Fe ₃ O ₄ /ZnO Nanosheet Photocatalyst. Langmuir, 2014, 30, 15031-15039.	1.6	92
13	Preparation and characterization of ZnO-TiO ₂ nanocomposite for photocatalytic disinfection of bacteria and detoxification of cyanide under visible light. Materials Research Bulletin, 2011, 46, 1586-1592.	2.7	78
14	Safe storage time of high moisture wheat. Journal of Stored Products Research, 2001, 37, 303-312.	1.2	62
15	Combustion synthesis of ZnO and Ag-doped ZnO and their bactericidal and photocatalytic activities. Superlattices and Microstructures, 2011, 50, 234-241.	1.4	58
16	Photocatalytic and bactericidal activities of hydrothermally synthesized nanocrystalline Cd-doped ZnO. Superlattices and Microstructures, 2012, 51, 443-453.	1.4	57
17	Visible light photocatalytic disinfection of bacteria by Cd-TiO ₂ . Catalysis Communications, 2011, 12, 826-829.	1.6	56
18	Synthesis, X-ray crystal structure, antimicrobial activity and photodynamic effects of some thiabendazole complexes. Journal of Inorganic Biochemistry, 2004, 98, 322-332.	1.5	55

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19	Enhanced phenol-photodegradation by particulate semiconductor mixtures: Interparticle electron-jump. <i>Journal of Hazardous Materials</i> , 2010, 176, 799-806.	6.5	52
20	Photoproduction of iodine with nanoparticulate semiconductors and insulators. <i>Chemistry Central Journal</i> , 2011, 5, 31.	2.6	50
21	Photocatalytic performance of particulate semiconductors under natural sunshine—Oxidation of carboxylic acids. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 588-593.	3.0	47
22	Solar photocatalysis: oxidation of aniline on CdS. <i>Solar Energy</i> , 2005, 79, 505-512.	2.9	46
23	Nanostructures and optical, electrical, magnetic, and photocatalytic properties of hydrothermally and sonochemically prepared CuFe ₂ O ₄ /SnO ₂ . <i>RSC Advances</i> , 2013, 3, 16728.	1.7	45
24	X-ray Image Analysis to Detect Infestations Caused by Insects in Grain. <i>Cereal Chemistry</i> , 2003, 80, 553-557.	1.1	42
25	TiO ₂ photocatalyzed oxidation of aniline. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 172, 207-213.	2.0	41
26	Semiconductor-catalyzed solar photooxidation of iodide ion. <i>Journal of Molecular Catalysis A</i> , 2007, 265, 153-158.	4.8	41
27	Vanadia-catalyzed solar photooxidation of aniline. <i>Journal of Colloid and Interface Science</i> , 2005, 289, 466-471.	5.0	40
28	Photooxidation of iodide ion on some semiconductor and non-semiconductor surfaces. <i>Catalysis Communications</i> , 2004, 5, 283-290.	1.6	37
29	Microwave, sonochemical and combustion synthesized CuO nanostructures and their electrical and bactericidal properties. <i>Journal of Alloys and Compounds</i> , 2013, 580, 570-577.	2.8	36
30	Microstructures and optical, electrical and photocatalytic properties of sonochemically and hydrothermally synthesized SnO ₂ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013, 549, 269-275.	2.8	36
31	Fe ₃ O ₄ /SnO ₂ nanocomposite: Hydrothermal and sonochemical synthesis, characterization, and visible-light photocatalytic and bactericidal activities. <i>Powder Technology</i> , 2013, 246, 635-642.	2.1	34
32	The enhanced photocatalytic and bactericidal activities of carbon microsphere-assisted solvothermally synthesized cocoon-shaped Sn ⁴⁺ -doped ZnO nanoparticles. <i>Dalton Transactions</i> , 2013, 42, 13855.	1.6	34
33	Molybdenum(VI) catalysis of perborate or hydrogen peroxide oxidation of iodide ion. <i>Transition Metal Chemistry</i> , 1995, 20, 460-462.	0.7	32
34	Photocatalytic degradation of 1-naphthol by oxide ceramics with added bacterial disinfection. <i>Journal of Hazardous Materials</i> , 2010, 181, 708-715.	6.5	32
35	Superparamagnetic core/shell Fe ₂ O ₃ /ZnO nanosheets as photocatalyst cum bactericide. <i>Catalysis Today</i> , 2017, 284, 114-120.	2.2	31
36	NiO/TiO ₂ Nanoparticles for Photocatalytic Disinfection of Bacteria under Visible Light. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2499-2505.	1.9	30

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37	Solar photooxidation of aniline on ZnO surfaces. <i>Solar Energy Materials and Solar Cells</i> , 2005, 89, 391-402.	3.0	29
38	Photooxidation of aniline on alumina with sunlight and artificial UV light. <i>Catalysis Communications</i> , 2005, 6, 159-165.	1.6	28
39	Inhibition of fluorescence enhancement of benzimidazole derivative on doping ZnO with Cu and Ag. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 247, 16-23.	2.0	28
40	Electrical, optical and visible light-photocatalytic properties of monoclinic BiVO ₄ nanoparticles synthesized hydrothermally at different pH. <i>Materials Science in Semiconductor Processing</i> , 2014, 21, 122-131.	1.9	28
41	Magnetically recoverable Fe ₃ O ₄ -implanted Ag-loaded ZnO nanoflakes for bacteria-inactivation and photocatalytic degradation of organic pollutants. <i>New Journal of Chemistry</i> , 2016, 40, 1845-1852.	1.4	28
42	Fluorescence enhancing and quenching of TiO ₂ by benzimidazole. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 207-211.	4.0	27
43	Structure-Reactivity Correlation of Anilines in Acetic Acid. <i>Journal of Organic Chemistry</i> , 2002, 67, 1118-1124.	1.7	26
44	Sensing rutile TiO ₂ through fluorescence of imidazole derivative. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 263-270.	4.0	25
45	Phenol-photodegradation on ZrO ₂ . Enhancement by semiconductors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 92, 201-206.	2.0	24
46	Electrical, optical and photocatalytic properties of polyethylene glycol-assisted sol-gel synthesized Mn-doped TiO ₂ /ZnO core-shell nanoparticles. <i>Superlattices and Microstructures</i> , 2013, 64, 569-580.	1.4	24
47	Photocatalytic and bactericidal activities of hydrothermally and sonochemically prepared Fe ₂ O ₃ -SnO ₂ nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 818-824.	1.9	23
48	Kinetics and mechanism of perborate oxidation of organic sulphides. <i>Tetrahedron</i> , 1991, 47, 8733-8738.	1.0	22
49	Photooxidation of iodide ion on immobilized semiconductor powders. <i>Solar Energy Materials and Solar Cells</i> , 2008, 92, 490-494.	3.0	22
50	Photoinduced electron transfer from benzimidazole to nano WO ₃ , CuO and Fe ₂ O ₃ . A new approach on LUMO-CB energy-binding efficiency relationship. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 514-520.	4.0	22
51	Nano ZnO, Cu-doped ZnO, and Ag-doped ZnO assisted generation of light from imidazole. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 295, 1-10.	2.0	22
52	Optical, electrical, and photocatalytic properties of polyethylene glycol-assisted sol-gel synthesized BaTiO ₃ @ZnO core-shell nanoparticles. <i>Powder Technology</i> , 2014, 254, 480-487.	2.1	21
53	Enhanced photocatalytic activity of magnetically separable bactericidal CuFe ₂ O ₄ -embedded Ag-deposited ZnO nanosheets. <i>RSC Advances</i> , 2016, 6, 1782-1791.	1.7	21
54	Substituent effect on nano TiO ₂ and ZnO catalyzed phenol photodegradation rates. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 275-283.	1.0	20

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55	Photoinduced electron-transfer from imidazole derivative to nano-semiconductors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 187-193.	2.0	20
56	Enhancing photoluminescent behavior of 2-(naphthalen-1-yl)-1,4,5-triphenyl-1H-imidazole by ZnO and Bi ₂ O ₃ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 182-186.	2.0	19
57	Mechanism and reactivity in perborate oxidation of anilines in acetic acid. <i>Perkin Transactions II RSC</i> , 2002, , 2011-2018.	1.1	18
58	Single crystal EPR of Cu(II) doped [Co(tbz) ₂ (NO ₃)(H ₂ O)]NO ₃ : probe into copper-thiabenzazole interaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 3337-3345.	2.0	18
59	Photosensitization of Imidazole Derivative by ZnO Nanoparticle. <i>Journal of Fluorescence</i> , 2012, 22, 1047-1053.	1.3	18
60	Enhanced visible light-photocatalysis by hydrothermally synthesized thallium-doped bismuth vanadate nanoparticles. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 352-361.	1.9	18
61	Absorption, emission, charge transfer resistance and photocatalytic activity of Al ₂ O ₃ /TiO ₂ core/shell nanoparticles. <i>Superlattices and Microstructures</i> , 2015, 83, 659-667.	1.4	18
62	Title is missing!. <i>Journal of Chemical Crystallography</i> , 1999, 29, 413-420.	0.5	17
63	Photoreduction of chromium(VI) on ZrO ₂ and ZnS surfaces. <i>Monatshefte für Chemie</i> , 2009, 140, 1269-1274.	0.9	17
64	Selectivity in photocatalysis by particulate semiconductors. <i>Open Chemistry</i> , 2009, 7, 134-137.	1.0	17
65	Benzimidazole: Dramatic luminescence turn-on by ZnO nanocrystals. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 3883-3886.	2.5	17
66	Interaction of fluorescent sensor with superparamagnetic iron oxide nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 151-156.	2.0	17
67	Photodegradation of phenol on Y ₂ O ₃ surface Synergism by semiconductors. <i>Journal of Hazardous Materials</i> , 2009, 167, 664-668.	6.5	16
68	Phenol degradation on Pr ₆ O ₁₁ surface under UV-A light. Synergistic photocatalysis by semiconductors. <i>Radiation Physics and Chemistry</i> , 2009, 78, 8-12.	1.4	16
69	Electrical, optical, and visible light-photocatalytic properties of zirconium-doped BiVO ₄ nanoparticles. <i>Materials Express</i> , 2014, 4, 125-134.	0.2	16
70	Linear free energy relationship in complex reaction: Tungsten(VI) catalyzed perborate oxidation of S-Phenylmercaptoacetic acids. <i>International Journal of Chemical Kinetics</i> , 1999, 31, 675-681.	1.0	15
71	Fluorescence quenching of organic molecule by insulator. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 417-421.	2.0	15
72	Contrasting emission behavior of phenanthroimidazole with rutile and anatase TiO ₂ nanoparticles. <i>Journal of Luminescence</i> , 2013, 138, 235-241.	1.5	15

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73	Optical, electrical and visible light-photocatalytic properties of hydrothermally synthesized amorphous BiVO ₄ nanoparticles. <i>Materials Letters</i> , 2014, 122, 21-24.	1.3	15
74	Optical and theoretical studies on Fe ₃ O ₄ @imidazole nanocomposite and clusters. <i>New Journal of Chemistry</i> , 2015, 39, 3801-3812.	1.4	15
75	Lack of linear free energy relationship: Tungsten(VI) catalyzed perborate oxidation of anilines. <i>International Journal of Chemical Kinetics</i> , 1999, 31, 571-575.	1.0	14
76	EPR of Cu(II)-doped seven-coordinate inclusion compounds, M(stpy) ₃ (NO ₃) ₂ ·1/2stpy (M=Cd(II) and Zn(II),) <i>Tj ETQq0 0 0 rgBT /Overloc</i> - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 441-449.	2.0	14
77	Solar-powered potentially induced TiO ₂ , ZnO and SnO ₂ -catalyzed iodine generation. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 900-906.	3.0	14
78	Optical, electrical and visible light-photocatalytic properties of yttrium-substituted BiVO ₄ nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 187, 53-60.	1.7	14
79	Understanding the binding interaction of imidazole with ZnO nanomaterials and clusters. <i>RSC Advances</i> , 2015, 5, 9518-9531.	1.7	14
80	Zirconium(IV) catalysis in perborate oxidation of iodide. <i>Reaction Kinetics and Catalysis Letters</i> , 1997, 60, 387-394.	0.6	13
81	Kinetic Evidence for (N,N-Dimethylaniline)-Oxidiperoxomolybdenum(VI) or Tungsten(VI) as Oxidizing Species in Molybdenum(VI) or Tungsten(VI) Catalyzed Hydrogen Peroxide (Perborate) Oxidation of N,N-Dimethylaniline. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1998, 28, 1115-1125.	1.8	13
82	Autocatalysis in the sodium perborate oxidation of anilines in acetic acid@ethylene glycol. <i>Journal of Molecular Catalysis A</i> , 2001, 172, 9-17.	4.8	13
83	Photomineralization of phenol on Al ₂ O ₃ : synergistic photocatalysis by semiconductors. <i>Research on Chemical Intermediates</i> , 2010, 36, 361-371.	1.3	13
84	Photodeposited Surface Ag on ZnO Nanocrystals and the Optical, Electrical, Photocatalytic, and Bactericidal Properties. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2011, 41, 369-375.	0.6	13
85	Solar photocatalytic detoxification of cyanide by different forms of TiO ₂ . <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1214-1220.	1.2	13
86	Electrical and optical properties of polyethylene glycol-assisted sol-gel solid state reaction-synthesized nanostructured CdTiO ₃ . <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1992-1996.	1.9	13
87	Particulate sol-gel synthesis and optical and electrical properties of CeO ₂ /TiO ₂ nanocomposite. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 75-80.	1.2	13
88	On the Mechanism of the Perborate Oxidation of Organic Sulfides in Glacial Acetic Acid. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3261-3263.	1.2	12
89	Hot-Injection Synthesis of Bactericidal Sn-Doped TiO ₂ Nanospheres for Visible-Light Photocatalysis. <i>Materials Express</i> , 2012, 2, 319-326.	0.2	12
90	Hydrothermal and sonochemical preparation and photocatalytic and bactericidal activities of ZnFe ₂ O ₄ @SnO ₂ nanocomposite. <i>Superlattices and Microstructures</i> , 2013, 60, 487-499.	1.4	12

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91	Contrasting kinetic behaviour of allyl and crotyl alcohols towards N-bromosuccinimide in aqueous methanol. <i>Journal of Physical Organic Chemistry</i> , 1990, 3, 235-238.	0.9	11
92	Identical kinetic behavior of dichromates and halochromates of heterocyclic bases: oxidations of pentan-1-ol. <i>Journal of Physical Organic Chemistry</i> , 2004, 17, 88-93.	0.9	11
93	Mo(VI)-catalysis of perborate oxidation in acetic acid: Oxidation of dimethyl and dibenzyl sulfoxides. <i>Catalysis Communications</i> , 2006, 7, 236-239.	1.6	11
94	Semiconductor photocatalyzed degradation of carboxylic acids: Enhancement by particulate semiconductor mixture. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 716-726.	1.0	11
95	Kinetics of Ag/TiO ₂ -photocatalyzed iodide ion oxidation. <i>Monatshefte für Chemie</i> , 2010, 141, 529-537.	0.9	11
96	Peroxoborate Anion as Active Oxidant in Perborate Oxidation: Kinetics of the Oxidation of Morpholine and N-Methylmorpholine. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1999, 29, 1463-1474.	1.8	10
97	Photocatalytic Degradation of Dyes by Al ₂ O ₃ -TiO ₂ and ZrO ₂ -TiO ₂ Nanocomposites. <i>Materials Science Forum</i> , 0, 734, 325-333.	0.3	10
98	Electronic properties of phenanthrimidazoles as hole transport materials in organic light emitting devices and in photoelectron transfer to ZnO nanoparticles. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 386-406.	0.9	10
99	Benzimidazole based Ir(III) picolinate complexes as emitting materials and the fluorescent behavior of benzimidazole bound to Mn ²⁺ /TiO ₂ @ZnO core/shell nanospheres. <i>Materials Express</i> , 2014, 4, 279-292.	0.2	10
100	Evidence of a Common Mechanism in the Oxidation by Chromium(VI) Complexes: Kinetics of Oxidation of Diphenyl Sulfide. <i>Monatshefte für Chemie</i> , 1999, 130, 1461-1464.	0.9	9
101	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2000, 38, 233-249.	1.6	9
102	Solar photooxidation of diphenylamine. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 1928-1935.	3.0	9
103	Photoinduced electron-transfer from benzimidazole to nanocrystals. <i>Journal of Molecular Liquids</i> , 2013, 177, 295-300.	2.3	9
104	Benzimidazole derivative vs. different phases of TiO ₂ -physico-chemical approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 303-308.	2.0	9
105	Absorption, photoluminescence and photoelectron transfer resistance of sol-gel synthesized core/shell CuO/TiO ₂ nanoparticles. <i>Optik</i> , 2016, 127, 3013-3017.	1.4	9
106	CdO-Intercalated TiO ₂ Nanosphere-Clusters: Synthesis and Electrical, Optical and Photocatalytic Properties. <i>Silicon</i> , 2018, 10, 2927-2934.	1.8	9
107	Synthesis, X-ray crystal structure and spectroscopy of a Werner-type host Co(II) complex, trans-bis(isothiocyanato)tetrakis(trans-4-styrylpyridine)cobalt(II). <i>Journal of Molecular Structure</i> , 2000, 523, 213-221.	1.8	8
108	EPR of an exchange-coupled, hydrogen-bridged one-dimensional Cu(II) complex containing both octahedral and square pyramidal geometries in the same unit cell. <i>Molecular Physics</i> , 2002, 100, 287-295.	0.8	8

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109	Kinetic evidence of a common mechanism in the oxidations of diethyl sulfide by dichromates and halochromates of heterocyclic bases. <i>International Journal of Chemical Kinetics</i> , 2003, 35, 1-8.	1.0	8
110	Contrasting emission behaviour of phenanthroimidazole with ZnO nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 115, 488-492.	2.0	8
111	Synthesis of Nanoparticulate In ³⁺ -Doped BiVO ₄ for Enhanced Visible-Light Photocatalytic Degradation of Dye. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, 711-721.	1.1	8
112	Structural, optical and photoconductivity characteristics of pristine Fe ₃ O ₄ and Ni ₃ O ₄ nanocomposite: aggregation induced emission enhancement of fluorescent organic nanoprobe of thiophene appended phenanthrimidazole derivative. <i>RSC Advances</i> , 2016, 6, 18718-18736.	1.7	8
113	Perforated ZnFe ₂ O ₄ /ZnO hybrid nanosheets: enhanced charge-carrier lifetime, photocatalysis, and bacteria inactivation. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	8
114	Synthesis, electrical, magnetic, optical and bactericidal properties and enhanced photocatalytic activity of Ag-decorated ZnFe ₂ O ₄ -dispersed ZnO nanoflakes. <i>Surfaces and Interfaces</i> , 2018, 10, 123-128.	1.5	8
115	Conversion of anilines into azobenzenes in acetic acid with perborate and Mo(VI): correlation of reactivities. <i>Chemical Papers</i> , 2019, 73, 375-385.	1.0	8
116	Kinetics of perborate oxidation of quinol. <i>Reaction Kinetics and Catalysis Letters</i> , 1989, 40, 369-374.	0.6	7
117	Kinetic Studies on the Oxidation of Organic Sulfides with Percarbonate in Acetic Acid. <i>Reaction Kinetics and Catalysis Letters</i> , 2002, 76, 37-42.	0.6	7
118	Similar substituent effects in the oxidations of primary aliphatic alcohols with dichromates and halochromates of heterocyclic bases. <i>International Journal of Chemical Kinetics</i> , 2005, 37, 5-9.	1.0	7
119	Photocatalytic bacteria inactivation by polyethylene glycol-assisted sol-gel synthesized Cd-doped TiO ₂ under visible light. <i>Research on Chemical Intermediates</i> , 2013, 39, 1437-1446.	1.3	7
120	Binding and fluorescence enhancing behaviour of phenanthrimidazole with different phases of TiO ₂ . <i>New Journal of Chemistry</i> , 2014, 38, 4321.	1.4	7
121	CuFe ₂ O ₄ -Encapsulated ZnO Nanoplates: Magnetically Retrievable Biocidal Photocatalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4489-4497.	0.9	7
122	Synthesis of Superparamagnetic Cu _{0.4} Zn _{0.6} Fe ₂ O ₄ -Implanted Bi ₂ S ₃ -Capped TiO ₂ 2D and 3D Nanostructures for Visible Light Photocatalysis. <i>ACS Omega</i> , 2018, 3, 18958-18966.	1.6	7
123	New polymorphs of alumina: Part II 1/4 and 1/2 alumina. <i>High Pressure Research</i> , 1999, 16, 265-278.	0.4	6
124	Title is missing!. <i>Journal of Chemical Crystallography</i> , 2000, 30, 351-357.	0.5	6
125	Lack of Linear Free Energy Relationships in the p-Toluenesulfonic Acid Mediated Chromium(VI) Oxidation of Organic Sulfides. <i>Monatshefte für Chemie</i> , 2000, 131, 1123-1128.	0.9	6
126	Photodegradation of carboxylic acids on Pr ₆ O ₁₁ surface. Enhancement by semiconductors. <i>Chemical Engineering Journal</i> , 2009, 151, 46-50.	6.6	6

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127	Lack of enhanced photocatalytic formation of iodine on particulate semiconductor mixtures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 460-465.	2.0	6
128	Electrical, optical, photocatalytic, and bactericidal properties of polyethylene glycol-assisted sol-gel synthesized ZnTiO ₃ -implanted ZnO nanoparticles. <i>Materials Research Express</i> , 2014, 1, 045019.	0.8	6
129	<i>Electron Paramagnetic Resonance Spectroscopy</i> . , 2018, , 169-228.		6
130	Synthesis of Superparamagnetic ZnFe ₂ O ₄ -Core/Ag-Deposited ZnO-Shell Nanodiscs for Application as Visible Light Photocatalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4064-4071.	0.9	6
131	CdO-implanted hexagonal ZnO nanoplatelets: red-shifted emission and enhanced charge carrier-resistance and bacteria-inactivation. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	6
132	Kinetics and mechanism of oxidation of allyl alcohol by N-bromosuccinimide. <i>Monatshefte für Chemie</i> , 1982, 113, 1239-1244.	0.9	5
133	Methoxybromination of Cinnamic Acid by N-Bromosuccinimide. <i>Bulletin of the Chemical Society of Japan</i> , 1990, 63, 2404-2407.	2.0	5
134	New polymorphs of alumina. <i>High Pressure Research</i> , 1999, 16, 147-160.	0.4	5
135	Effect of high pressure and temperature on nanocrystalline Fe ₂ O ₃ and TiO ₂ . <i>High Pressure Research</i> , 2001, 21, 79-92.	0.4	5
136	Inhibition of photooxidation of iron(II) by some semiconductors. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 170, 233-238.	2.0	5
137	Degradation of carboxylic acids on Y ₂ O ₃ surface under UV light. Synergism by semiconductors. <i>Radiation Physics and Chemistry</i> , 2009, 78, 173-176.	1.4	5
138	Photoinduced electron transfer from phenanthroimidazole to nano WO ₃ , CuO ZrO ₂ and Al ₂ O ₃ . LUMO ↔ CB energy binding efficiency relationship. Measurement: <i>Journal of the International Measurement Confederation</i> , 2013, 46, 3261-3267.	2.5	5
139	Magnetically separable Cd-deposited Fe ₃ O ₄ -implanted ZnO microrods for solar photocatalysis. <i>Micro and Nano Letters</i> , 2014, 9, 529-531.	0.6	5
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