

# John Kennedy L

## List of Publications by Year in descending order

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184  
papers

9,799  
citations

26567

56  
h-index

46693

89  
g-index

187  
all docs

187  
docs citations

187  
times ranked

9811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photodegradation of organic pollutants RhB dye using UV simulated sunlight on ceria based TiO <sub>2</sub> nanomaterials for antibacterial applications. <i>Scientific Reports</i> , 2016, 6, 38064.	1.6	353
2	Green synthesis of NiO nanoparticles using <i>Moringa oleifera</i> extract and their biomedical applications: Cytotoxicity effect of nanoparticles against HT-29 cancer cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 352-360.	1.7	353
3	Green synthesis of NiO nanoparticles using <i>Aegle marmelos</i> leaf extract for the evaluation of in-vitro cytotoxicity, antibacterial and photocatalytic properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 180, 39-50.	1.7	281
4	Optical and magnetic properties of Mg-doped ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles prepared by rapid microwave combustion method. <i>Superlattices and Microstructures</i> , 2013, 64, 118-131.	1.4	248
5	Comparative study of microwave and conventional methods for the preparation and optical properties of novel MgO-micro and nano-structures. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9809-9815.	2.8	211
6	Synthesis, optical and magnetic properties of pure and Co-doped ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles by microwave combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 349, 249-258.	1.0	208
7	Photocatalytic degradation of rhodamine B under visible light using nanostructured zinc doped cobalt ferrite: Kinetics and mechanism. <i>Ceramics International</i> , 2017, 43, 540-548.	2.3	195
8	Adsorption of phenol from aqueous solutions using mesoporous carbon prepared by two-stage process. <i>Chemical Engineering Journal</i> , 2007, 132, 279-287.	6.6	189
9	Green synthesis of Ag nanoparticles using Tamarind fruit extract for the antibacterial studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 169, 178-185.	1.7	183
10	Effect of Two-Stage Process on the Preparation and Characterization of Porous Carbon Composite from Rice Husk by Phosphoric Acid Activation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2004, 43, 1832-1838.	1.8	179
11	Structural, optical and magnetic properties of Zn <sub>1-x</sub> Cu <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles prepared by microwave combustion method. <i>Journal of Molecular Structure</i> , 2013, 1035, 332-340.	1.8	164
12	Visible light driven photocatalytic degradation of rhodamine B using Mg doped cobalt ferrite spinel nanoparticles synthesized by microwave combustion method. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 108, 61-75.	1.9	140
13	Okra extract-assisted green synthesis of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles and their optical, magnetic, and antimicrobial properties. <i>Materials Chemistry and Physics</i> , 2018, 204, 410-419.	2.0	138
14	Optical and magnetic properties of Ni-doped ZnO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 694, 522-531.	2.8	136
15	Bioreduction potentials of dried root of <i>Zingiber officinale</i> for a simple green synthesis of silver nanoparticles: Antibacterial studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 177, 62-68.	1.7	128
16	Studies on the efficient dual performance of Mn <sub>1-x</sub> Ni <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> spinel nanoparticles in photodegradation and antibacterial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 165, 121-132.	1.7	127
17	Preparation and characterization of activated carbon derived from the <i>Borassus flabellifer</i> flower as an electrode material for supercapacitor applications. <i>New Journal of Chemistry</i> , 2017, 41, 3939-3949.	1.4	119
18	Comparative investigation of zirconium oxide (ZrO <sub>2</sub> ) nano and microstructures for structural, optical and photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2013, 389, 91-98.	5.0	117

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19	Structural, morphological, optical, and magnetic properties of Ni-doped CuO nanostructures prepared by a rapid microwave combustion method. <i>Materials Science in Semiconductor Processing</i> , 2014, 17, 110-118.	1.9	112
20	Spinel Ferrite Nanoparticles: Synthesis, Crystal Structure, Properties, and Perspective Applications. <i>Springer Proceedings in Physics</i> , 2017, , 305-325.	0.1	110
21	Equilibrium, kinetic and thermodynamic studies on the adsorption of m-cresol onto micro- and mesoporous carbon. <i>Journal of Hazardous Materials</i> , 2007, 149, 134-143.	6.5	100
22	Intrinsic magnetic order and inhomogeneous transport in Gd-implanted zinc oxide. <i>Physical Review B</i> , 2013, 88, .	1.1	99
23	Microwave combustion synthesis, structural, optical and magnetic properties of Zn <sub>1-x</sub> Sr <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Ceramics International</i> , 2013, 39, 5909-5917.	2.3	97
24	Spin-dependent tunnelling in magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 229-233.	1.0	97
25	Studies on the microwave assisted and conventional combustion synthesis of Hibiscus rosa-sinensis plant extract based ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles and their optical and magnetic properties. <i>Ceramics International</i> , 2016, 42, 2741-2749.	2.3	96
26	Electrical conductivity study of porous carbon composite derived from rice husk. <i>Materials Chemistry and Physics</i> , 2005, 91, 471-476.	2.0	95
27	Structural, optical and magnetic properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles prepared by a facile microwave combustion method. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2077-2085.	2.9	95
28	Vermicomposting of Solid Waste Generated from Leather Industries Using Epigeic Earthworm <i>Eisenia foetida</i> . <i>Applied Biochemistry and Biotechnology</i> , 2008, 151, 480-488.	1.4	94
29	Effects of Morphology and Zr Doping on Structural, Optical, and Photocatalytic Properties of ZnO Nanostructures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2012, 51, 16333-16345.	1.8	93
30	Catalytic studies of NiFe <sub>2</sub> O <sub>4</sub> nanoparticles prepared by conventional and microwave combustion method. <i>Materials Chemistry and Physics</i> , 2019, 221, 11-28.	2.0	88
31	A new approach: Synthesis, characterization and optical studies of nano-zinc aluminate. <i>Advanced Powder Technology</i> , 2014, 25, 267-273.	2.0	84
32	Structural, optical and room-temperature ferromagnetic properties of Fe-doped CuO nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 53, 193-199.	1.3	83
33	Formation of magnetic nanoparticles by low energy dual implantation of Ni and Fe into SiO <sub>2</sub> . <i>Journal of Alloys and Compounds</i> , 2016, 667, 255-261.	2.8	82
34	Green-fuel-mediated synthesis of self-assembled NiO nano-sticks for dual applicationsâ€”photocatalytic activity on Rose Bengal dye and antimicrobial action on bacterial strains. <i>Materials Research Express</i> , 2017, 4, 085030.	0.8	80
35	Preparation and characterization of hierarchical porous carbons derived from solid leather waste for supercapacitor applications. <i>Journal of Hazardous Materials</i> , 2016, 318, 173-185.	6.5	78
36	Comparative investigation of NiO nano- and microstructures for structural, optical and magnetic properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 49, 117-123.	1.3	77

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37	High performance multifunctional green Co <sub>3</sub> O <sub>4</sub> spinel nanoparticles: photodegradation of textile dye effluents, catalytic hydrogenation of nitro-aromatics and antibacterial potential. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 766-778.	1.6	76
38	Combustion synthesis, structure, magnetic and optical properties of cobalt aluminate spinel nanocrystals. <i>Ceramics International</i> , 2014, 40, 13067-13074.	2.3	75
39	Microwave assisted combustion synthesis of coupled ZnO@ZrO <sub>2</sub> nanoparticles and their role in the photocatalytic degradation of 2,4-dichlorophenol. <i>Ceramics International</i> , 2014, 40, 5681-5691.	2.3	74
40	Surface functionalized mesoporous activated carbon for the immobilization of acidic lipase and their application to hydrolysis of waste cooked oil: Isotherm and kinetic studies. <i>Process Biochemistry</i> , 2012, 47, 435-445.	1.8	73
41	Simple and rapid synthesis of Cadmium Oxide (CdO) nanospheres by a microwave-assisted combustion method. <i>Powder Technology</i> , 2011, 211, 250-255.	2.1	72
42	Structural, optical and magnetic characterization of Zn <sub>1-x</sub> Ni <sub>x</sub> Al <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 0.5) spinel nanostructures synthesized by microwave combustion technique. <i>Ceramics International</i> , 2015, 41, 603-615.	2.3	72
43	Studies on structural, morphological, electrical and electrochemical properties of activated carbon prepared from sugarcane bagasse. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1470-1476.	2.9	71
44	Co-Doped ZnO Nanoparticles: Structural, Morphological, Optical, Magnetic and Antibacterial Studies. <i>Journal of Materials Science and Technology</i> , 2014, 30, 1108-1117.	5.6	71
45	A novel synthesis protocol for Co <sub>3</sub> O <sub>4</sub> nanocatalysts and their catalytic applications. <i>RSC Advances</i> , 2017, 7, 38861-38870.	1.7	71
46	Conventional and microwave combustion synthesis of optomagnetic CuFe <sub>2</sub> O <sub>4</sub> nanoparticles for hyperthermia studies. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 115, 162-171.	1.9	71
47	Highly selective oxidation of benzyl alcohol to benzaldehyde with hydrogen peroxide by cobalt aluminate catalysis: A comparison of conventional and microwave methods. <i>Ceramics International</i> , 2015, 41, 2069-2080.	2.3	70
48	Structure and magnetic properties of Cu-Ni alloy nanoparticles prepared by rapid microwave combustion method. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 1467-1473.	1.7	68
49	Synthesis, characterization and performance of porous Sr(II)-added ZnAl <sub>2</sub> O <sub>4</sub> nanomaterials for optical and catalytic applications. <i>Powder Technology</i> , 2012, 224, 147-154.	2.1	67
50	Comparative investigation of nickel aluminate (NiAl <sub>2</sub> O <sub>4</sub> ) nano and microstructures for the structural, optical and catalytic properties. <i>Polyhedron</i> , 2014, 72, 1-7.	1.0	67
51	Surface and porous characterization of activated carbon prepared from pyrolysis of biomass (rice) Tj ETQq1 1 0.784314 rgBT /Overlook Cycles and Waste Management, 2015, 17, 736-747.	1.6	66
52	Optimization of biodiesel production from waste cooking oil by magnesium oxide nanocatalyst synthesized using coprecipitation method. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1219-1231.	2.1	66
53	Structural, Optical and Magnetic Properties of Porous Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Prepared by Rapid Combustion Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2986-2992.	0.9	65
54	Microwave combustion synthesis of zinc substituted nanocrystalline spinel cobalt ferrite: Structural and magnetic studies. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 1-10.	1.9	65

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55	Microwave combustion synthesis, structural, optical and magnetic properties of Zn <sub>1-x</sub> Co <sub>x</sub> Al <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 0.5) spinel nanostructures. <i>Journal of Alloys and Compounds</i> , 2013, 581, 558-566.	2.8	64
56	Purification, characterization and application of acidic lipase from <i>Pseudomonas gessardii</i> using beef tallow as a substrate for fats and oil hydrolysis. <i>Process Biochemistry</i> , 2010, 45, 1683-1691.	1.8	63
57	Synthesis, characterization of nickel aluminate nanoparticles by microwave combustion method and their catalytic properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 184, 18-25.	1.7	62
58	Anti-cancer activity of hierarchical ZSM-5 zeolites synthesized from rice-based waste materials. <i>RSC Advances</i> , 2018, 8, 481-490.	1.7	62
59	Nanostructured copper aluminate spinels: Synthesis, structural, optical, magnetic, and catalytic properties. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 146-156.	1.9	60
60	Integrated biological and catalytic oxidation of organics/inorganics in tannery wastewater by rice husk based mesoporous activated carbon of <i>Bacillus</i> sp.. <i>Carbon</i> , 2004, 42, 2399-2407.	5.4	57
61	Structural, microstructural, optical and magnetic properties of Mn-doped ZnO nanostructures. <i>Journal of Molecular Structure</i> , 2016, 1109, 89-96.	1.8	57
62	Preparation and electrochemical behaviour of biomass based porous carbons as electrodes for supercapacitors – a comparative investigation. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 268-275.	1.2	56
63	Visible-light-induced photocatalytic performances of ZnO/CuO nanocomposites for degradation of 2,4-dichlorophenol. <i>Chinese Journal of Catalysis</i> , 2015, 36, 1263-1272.	6.9	56
64	Green synthesis of nickel oxide nanoparticles using <i>Solanum trilobatum</i> extract for cytotoxicity, antibacterial and photocatalytic studies. <i>Surfaces and Interfaces</i> , 2020, 20, 100553.	1.5	56
65	Structural, morphological and catalytic investigations on hierarchical ZSM-5 zeolite hexagonal cubes by surfactant assisted hydrothermal method. <i>Powder Technology</i> , 2015, 274, 338-348.	2.1	55
66	Studies on <i>Opuntia dillenii</i> haw mediated multifunctional ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles: Optical, magnetic and catalytic applications. <i>Materials Chemistry and Physics</i> , 2017, 194, 153-164.	2.0	55
67	Magnetically recoverable Mg substituted zinc ferrite nanocatalyst for biodiesel production: Process optimization, kinetic and thermodynamic analysis. <i>Renewable Energy</i> , 2021, 163, 480-494.	4.3	55
68	Pure and Mg-doped self-assembled ZnO nano-particles for the enhanced photocatalytic degradation of 4-chlorophenol. <i>Journal of Environmental Sciences</i> , 2013, 25, 2157-2167.	3.2	54
69	Synthesis of Co-doped ZnO nanoparticles via co-precipitation: Structural, optical and magnetic properties. <i>Powder Technology</i> , 2015, 286, 757-765.	2.1	54
70	Comparative Study of Electrical Conductivity on Activated Carbons Prepared from Various Cellulose Materials. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 55-65.	1.1	53
71	Preparation, characterization and catalytic properties of nickel aluminate nanoparticles: A comparison between conventional and microwave method. <i>Journal of Saudi Chemical Society</i> , 2017, 21, S231-S239.	2.4	53
72	Value added porous carbon from leather wastes as potential supercapacitor electrode using neutral electrolyte. <i>Journal of Cleaner Production</i> , 2018, 197, 930-936.	4.6	51

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73	Microwave combustion synthesis of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ( $0 \leq x \leq 0.5$ ): Structural, magnetic, optical and vibrational spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 421-430.	2.0	50
74	Comparative investigation on the structural, morphological, optical, and magnetic properties of $\text{CoFe}_2\text{O}_4$ nanoparticles. <i>Ceramics International</i> , 2017, 43, 7682-7689.	2.3	50
75	Optical, magnetic and structural properties of $\text{ZnFe}_2\text{O}_4$ nanoparticles synthesized by conventional and microwave assisted combustion method: A comparative investigation. <i>Optik</i> , 2017, 129, 57-68.	1.4	50
76	Selective liquid phase oxidation of benzyl alcohol catalyzed by copper aluminate nanostructures. <i>Journal of Molecular Structure</i> , 2015, 1079, 182-188.	1.8	49
77	Antibacterial activity of silver nanoparticles synthesized from serine. <i>Materials Science and Engineering C</i> , 2015, 49, 316-322.	3.8	46
78	Effect of Fe-doping on the structural, optical and magnetic properties of ZnO nanostructures synthesised by co-precipitation method. <i>Ceramics International</i> , 2016, 42, 1588-1596.	2.3	45
79	Structural, optical and magnetic properties of $\text{Zn}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$ ( $0 \leq x \leq 0.5$ ) spinel nano particles for transesterification of used cooking oil. <i>Journal of Alloys and Compounds</i> , 2019, 780, 816-828.	2.8	45
80	Enhanced Power Factor and Increased Conductivity of Aluminum Doped Zinc Oxide Thin Films for Thermoelectric Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1384-1387.	0.9	43
81	Immobilisation of <i>Pseudomonas gessardii</i> acidic lipase derived from beef tallow onto mesoporous activated carbon and its application on hydrolysis of olive oil. <i>Process Biochemistry</i> , 2010, 45, 986-992.	1.8	41
82	Comparative study of nano copper aluminate spinel prepared by sol-gel and modified sol-gel techniques: Structural, electrical, optical and catalytic studies. <i>Journal of Alloys and Compounds</i> , 2012, 522, 39-45.	2.8	41
83	Catalytic properties of nanosized zinc aluminates prepared by green process using <i>Opuntia dillenii</i> haw plant extract. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1951-1958.	6.9	41
84	Photocatalytic removal of rhodamine B under irradiation of visible light using $\text{Co}_1\text{Cu}_0\text{Fe}_2\text{O}_4$ ( $0 \leq x \leq 1$ ) Tj ETQq0 0.0 rgBT /Overlock 10	3.3	41
85	Facile microwave assisted combustion synthesis, structural, optical and magnetic properties of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ ( $0 \leq x \leq 0.5$ ) perovskite nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 48-57.	1.0	41
86	Facile synthesis of $\text{Fe}^{3+}$ doped $\text{La}_2\text{CuO}_4/\text{LaFeO}_3$ perovskite nanocomposites: Structural, optical, magnetic and catalytic properties. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 225-235.	1.9	40
87	Immobilization of acidic lipase derived from <i>Pseudomonas gessardii</i> onto mesoporous activated carbon for the hydrolysis of olive oil. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 62, 58-65.	1.8	39
88	Comparative studies on influence of morphology and La doping on structural, optical, and photocatalytic properties of zinc oxide nanostructures. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 215-224.	5.0	39
89	Green mediated NiO nano-rods using <i>Phoenix dactylifera</i> (Dates) extract for biomedical and environmental applications. <i>Materials Chemistry and Physics</i> , 2020, 241, 122419.	2.0	39
90	Effect of $\text{CeO}_2$ coupling on the structural, optical and photocatalytic properties of ZnO nanoparticle. <i>Journal of Molecular Structure</i> , 2015, 1099, 114-125.	1.8	37

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91	Hierarchical ZSM-5 catalytic performance evaluated in the selective oxidation of styrene to benzaldehyde using TBHP. <i>Journal of Porous Materials</i> , 2016, 23, 741-752.	1.3	37
92	Experimental and first-principles DFT studies of electronic, optical and magnetic properties of cerium-manganese codoped zinc oxide nanostructures. <i>Materials Science in Semiconductor Processing</i> , 2015, 34, 27-38.	1.9	36
93	Photocatalytic degradation of textile-dyeing wastewater by using a microwave combustion-synthesized zirconium oxide supported activated carbon. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 482-493.	1.9	35
94	Structural, optical and magnetic properties of $Zn_{1-x}Mn_xAl_2O_4$ ( $0 \leq x \leq 0.5$ ) spinel nanostructures by one-pot microwave combustion technique. <i>Journal of Molecular Structure</i> , 2015, 1084, 244-253.	1.8	35
95	Immobilization of polyphenol oxidase onto mesoporous activated carbons – isotherm and kinetic studies. <i>Chemosphere</i> , 2007, 69, 262-270.	4.2	33
96	Photocatalytic degradation of phenolic syntan using TiO <sub>2</sub> impregnated activated carbon. <i>Journal of Colloid and Interface Science</i> , 2011, 355, 204-209.	5.0	31
97	One step phytosynthesis of highly stabilized silver nanoparticles using Piper nigrum extract and their antibacterial activity. <i>Materials Letters</i> , 2014, 137, 358-361.	1.3	31
98	Hierarchical porous carbon derived from tea waste for energy storage applications: Waste to worth. <i>Diamond and Related Materials</i> , 2020, 110, 108100.	1.8	31
99	Preparation and VOC gas sensing properties of Sr(II)-added copper aluminate spinel composites. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 604-612.	4.0	30
100	Phytosynthesis of Nanoscale ZnAl <sub>2</sub> O <sub>4</sub> by Using <i>Sesamum indicum</i> L. Optical and Catalytic Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 8298-8306.	0.9	29
101	Characterization and catalytic reactivity of mordenite – Investigation of selective oxidation of benzyl alcohol. <i>Polyhedron</i> , 2015, 89, 289-296.	1.0	29
102	Co <sup>2+</sup> substituted La <sub>2</sub> CuO <sub>4</sub> /LaCoO <sub>3</sub> perovskite nanocomposites: synthesis, properties and heterogeneous catalytic performance. <i>New Journal of Chemistry</i> , 2018, 42, 18128-18142.	1.4	29
103	Electrochemical Studies on <i>Tamarindus indica</i> Fruit Shell Bio-Waste Derived Nanoporous Activated Carbons for Supercapacitor Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 3388-3397.	0.9	29
104	Effect of Sr addition on the humidity sensing properties of CoAl <sub>2</sub> O <sub>4</sub> composites. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 211-217.	4.0	28
105	Comparative Investigation of Structural, Optical Properties and Dye-Sensitized Solar Cell Applications of ZnO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2507-2514.	0.9	28
106	Effect of Ce and Cu co-doping on the structural, morphological, and optical properties of ZnO nanocrystals and first principle investigation of their stability and magnetic properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 66, 209-220.	1.3	28
107	Investigation of structural, surface morphological, optical properties and first-principles study on electronic and magnetic properties of (Ce, Fe)-co doped ZnO. <i>Physica B: Condensed Matter</i> , 2015, 456, 344-354.	1.3	28
108	A comparative study of the effects of CuO, NiO, ZrO <sub>2</sub> and CeO <sub>2</sub> coupling on the photocatalytic activity and characteristics of ZnO. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1431-1440.	1.2	28

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109	Structural, magnetic and catalytic properties of La <sub>2</sub> -Ba CuO <sub>4</sub> (0 ≤ x ≤ 0.5) perovskite nanoparticles. <i>Ceramics International</i> , 2018, 44, 18113-18122.	2.3	28
110	Effects of Ba doping on structural, morphological, optical, and photocatalytic properties of self-assembled ZnO nanospheres. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 729-741.	2.1	27
111	Synthesis, characterization and humidity sensing properties of Sr(II)-added BaAl <sub>2</sub> O <sub>4</sub> composites. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 542-548.	4.0	26
112	Optical Properties and Dye-Sensitized Solar Cell Applications of ZnO Nanostructures Prepared by Microwave Combustion Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2584-2590.	0.9	26
113	Optical and Magnetic Properties of Co-Doped CuO Flower/Plates/Particles-Like Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 2577-2583.	0.9	26
114	Self heating efficiency of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles: A comparative investigation on the conventional and microwave combustion method. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1536-1545.	2.8	26
115	Utilization of strontium added NiAl <sub>2</sub> O <sub>4</sub> composites for the detection of methanol vapors. <i>Journal of Hazardous Materials</i> , 2008, 153, 767-774.	6.5	25
116	Green Synthesis of Co <sub>3</sub> O <sub>4</sub> Nanorods for Highly Efficient Catalytic, Photocatalytic, and Antibacterial Activities. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2590-2598.	0.9	25
117	Studies on the structural and optical properties of zinc oxide nanobushes and Co-doped ZnO self-aggregated nanorods synthesized by simple thermal decomposition route. <i>Materials Research Bulletin</i> , 2010, 45, 1481-1486.	2.7	23
118	High-performance supercapacitor based on Cu <sub>2</sub> O/MoS <sub>2</sub> /rGO nanocomposite. <i>Materials Letters</i> , 2020, 275, 128095.	1.3	23
119	Facile microwave synthesis of cerium oxide@molybdenum di-sulphide@reduced graphene oxide ternary composites as high performance supercapacitor electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021, 895, 115401.	1.9	23
120	Sol-gel derived (Sr,Ni)Al <sub>2</sub> O <sub>4</sub> composites for benzene and toluene sensors. <i>Materials Letters</i> , 2007, 61, 5213-5216.	1.3	22
121	In-vitro anti-cancer activity of organic template-free hierarchical M (Cu, Ni)-modified ZSM-5 zeolites synthesized using silica source waste material. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 186, 178-188.	1.7	22
122	Structural, optical, and magnetic properties of Ca <sup>2+</sup> doped La <sub>2</sub> CuO <sub>4</sub> perovskite nanoparticles. <i>Vacuum</i> , 2019, 167, 407-415.	1.6	22
123	Synthesis, characterization and humidity sensing properties of Cu-Sr-Al mixed metal oxide composites. <i>Materials Research Bulletin</i> , 2008, 43, 473-482.	2.7	21
124	Hierarchical ZSM-5 catalyst synthesized by a Triton X-100 assisted hydrothermal method. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1892-1899.	6.9	20
125	Microwave-assisted synthesis, characterization and antibacterial properties of Ce-Cu dual doped ZnO nanostructures. <i>Optik</i> , 2016, 127, 2360-2365.	1.4	20
126	A Green approach: synthesis, characterization and opto-magnetic properties of Mg <sub>x</sub> Mn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> spinel nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10321-10329.	1.1	20



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127	Investigation on preferably oriented abnormal growth of CdSe nanorods along (0002) plane synthesized by henna leaf extract-mediated green synthesis. Royal Society Open Science, 2018, 5, 171430.	1.1	19
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