

John Kennedy L

List of Publications by Year in descending order

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184
papers

9,799
citations

26630

56
h-index

46799

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 ₂ nanomaterials for antibacterial applications. <i>Scientific Reports</i> , 2016, 6, 38064.	3.3	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.	3.8	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.	3.8	281
4	Optical and magnetic properties of Mg-doped ZnFe ₂ O ₄ nanoparticles prepared by rapid microwave combustion method. <i>Superlattices and Microstructures</i> , 2013, 64, 118-131.	3.1	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.	5.5	211
6	Synthesis, optical and magnetic properties of pure and Co-doped ZnFe ₂ O ₄ nanoparticles by microwave combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 349, 249-258.	2.3	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.	4.8	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.	12.7	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.	3.8	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 & Engineering Chemistry Research</i> , 2004, 43, 1832-1838.	3.7	179
11	Structural, optical and magnetic properties of Zn _{1-x} Cu _x Fe ₂ O ₄ nanoparticles prepared by microwave combustion method. <i>Journal of Molecular Structure</i> , 2013, 1035, 332-340.	3.6	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.	4.0	140
13	Okra extract-assisted green synthesis of CoFe ₂ O ₄ nanoparticles and their optical, magnetic, and antimicrobial properties. <i>Materials Chemistry and Physics</i> , 2018, 204, 410-419.	4.0	138
14	Optical and magnetic properties of Ni-doped ZnO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 694, 522-531.	5.5	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.	3.8	128
16	Studies on the efficient dual performance of Mn _{1-x} Ni _x Fe ₂ O ₄ spinel nanoparticles in photodegradation and antibacterial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 165, 121-132.	3.8	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.	2.8	119
18	Comparative investigation of zirconium oxide (ZrO ₂) nano and microstructures for structural, optical and photocatalytic properties. <i>Journal of Colloid and Interface Science</i> , 2013, 389, 91-98.	9.4	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.	4.0	112
20	Spinel Ferrite Nanoparticles: Synthesis, Crystal Structure, Properties, and Perspective Applications. <i>Springer Proceedings in Physics</i> , 2017, , 305-325.	0.2	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.	12.4	100
22	Intrinsic magnetic order and inhomogeneous transport in Gd-implanted zinc oxide. <i>Physical Review B</i> , 2013, 88, .	3.2	99
23	Microwave combustion synthesis, structural, optical and magnetic properties of Zn _{1-x} Sr _x Fe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2013, 39, 5909-5917.	4.8	97
24	Spin-dependent tunnelling in magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 229-233.	2.3	97
25	Studies on the microwave assisted and conventional combustion synthesis of Hibiscus rosa-sinensis plant extract based ZnFe ₂ O ₄ nanoparticles and their optical and magnetic properties. <i>Ceramics International</i> , 2016, 42, 2741-2749.	4.8	96
26	Electrical conductivity study of porous carbon composite derived from rice husk. <i>Materials Chemistry and Physics</i> , 2005, 91, 471-476.	4.0	95
27	Structural, optical and magnetic properties of Fe ₃ O ₄ nanoparticles prepared by a facile microwave combustion method. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2077-2085.	5.8	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.	2.9	94
29	Effects of Morphology and Zr Doping on Structural, Optical, and Photocatalytic Properties of ZnO Nanostructures. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 16333-16345.	3.7	93
30	Catalytic studies of NiFe ₂ O ₄ nanoparticles prepared by conventional and microwave combustion method. <i>Materials Chemistry and Physics</i> , 2019, 221, 11-28.	4.0	88
31	A new approach: Synthesis, characterization and optical studies of nano-zinc aluminate. <i>Advanced Powder Technology</i> , 2014, 25, 267-273.	4.1	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.	2.7	83
33	Formation of magnetic nanoparticles by low energy dual implantation of Ni and Fe into SiO ₂ . <i>Journal of Alloys and Compounds</i> , 2016, 667, 255-261.	5.5	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.	1.6	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.	12.4	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.	2.7	77

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37	High performance multifunctional green Co ₃ O ₄ spinel nanoparticles: photodegradation of textile dye effluents, catalytic hydrogenation of nitro-aromatics and antibacterial potential. Photochemical and Photobiological Sciences, 2017, 16, 766-778.	2.9	76
38	Combustion synthesis, structure, magnetic and optical properties of cobalt aluminate spinel nanocrystals. Ceramics International, 2014, 40, 13067-13074.	4.8	75
39	Microwave assisted combustion synthesis of coupled ZnO@ZrO ₂ nanoparticles and their role in the photocatalytic degradation of 2,4-dichlorophenol. Ceramics International, 2014, 40, 5681-5691.	4.8	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. Process Biochemistry, 2012, 47, 435-445.	3.7	73
41	Simple and rapid synthesis of Cadmium Oxide (CdO) nanospheres by a microwave-assisted combustion method. Powder Technology, 2011, 211, 250-255.	4.2	72
42	Structural, optical and magnetic characterization of Zn _{1-x} Ni _x Al ₂ O ₄ (0 ≤ x ≤ 0.5) spinel nanostructures synthesized by microwave combustion technique. Ceramics International, 2015, 41, 603-615.	4.8	72
43	Studies on structural, morphological, electrical and electrochemical properties of activated carbon prepared from sugarcane bagasse. Journal of Industrial and Engineering Chemistry, 2013, 19, 1470-1476.	5.8	71
44	Co-Doped ZnO Nanoparticles: Structural, Morphological, Optical, Magnetic and Antibacterial Studies. Journal of Materials Science and Technology, 2014, 30, 1108-1117.	10.7	71
45	A novel synthesis protocol for Co ₃ O ₄ nanocatalysts and their catalytic applications. RSC Advances, 2017, 7, 38861-38870.	3.6	71
46	Conventional and microwave combustion synthesis of optomagnetic CuFe ₂ O ₄ nanoparticles for hyperthermia studies. Journal of Physics and Chemistry of Solids, 2018, 115, 162-171.	4.0	71
47	Highly selective oxidation of benzyl alcohol to benzaldehyde with hydrogen peroxide by cobalt aluminate catalysis: A comparison of conventional and microwave methods. Ceramics International, 2015, 41, 2069-2080.	4.8	70
48	Structure and magnetic properties of Cu-Ni alloy nanoparticles prepared by rapid microwave combustion method. Transactions of Nonferrous Metals Society of China, 2014, 24, 1467-1473.	4.2	68
49	Synthesis, characterization and performance of porous Sr(II)-added ZnAl ₂ O ₄ nanomaterials for optical and catalytic applications. Powder Technology, 2012, 224, 147-154.	4.2	67
50	Comparative investigation of nickel aluminate (NiAl ₂ O ₄) nano and microstructures for the structural, optical and catalytic properties. Polyhedron, 2014, 72, 1-7.	2.2	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.	3.0	66
52	Optimization of biodiesel production from waste cooking oil by magnesium oxide nanocatalyst synthesized using coprecipitation method. Clean Technologies and Environmental Policy, 2018, 20, 1219-1231.	4.1	66
53	Structural, Optical and Magnetic Properties of Porous Fe ₂ O ₃ Nanoparticles Prepared by Rapid Combustion Method. Journal of Nanoscience and Nanotechnology, 2013, 13, 2986-2992.	0.9	65
54	Microwave combustion synthesis of zinc substituted nanocrystalline spinel cobalt ferrite: Structural and magnetic studies. Materials Science in Semiconductor Processing, 2015, 40, 1-10.	4.0	65

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55	Microwave combustion synthesis, structural, optical and magnetic properties of Zn _{1-x} CoxAl ₂ O ₄ (0 ≤ x ≤ 0.5) spinel nanostructures. <i>Journal of Alloys and Compounds</i> , 2013, 581, 558-566.	5.5	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.	3.7	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.	3.5	62
58	Anti-cancer activity of hierarchical ZSM-5 zeolites synthesized from rice-based waste materials. <i>RSC Advances</i> , 2018, 8, 481-490.	3.6	62
59	Nanostructured copper aluminate spinels: Synthesis, structural, optical, magnetic, and catalytic properties. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 146-156.	4.0	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.	10.3	57
61	Structural, microstructural, optical and magnetic properties of Mn-doped ZnO nanostructures. <i>Journal of Molecular Structure</i> , 2016, 1109, 89-96.	3.6	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.	2.7	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.	14.0	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.	3.0	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.	4.2	55
66	Studies on <i>Opuntia dillenii</i> haw mediated multifunctional ZnFe ₂ O ₄ nanoparticles: Optical, magnetic and catalytic applications. <i>Materials Chemistry and Physics</i> , 2017, 194, 153-164.	4.0	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.	8.9	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.	6.1	54
69	Synthesis of Co-doped ZnO nanoparticles via co-precipitation: Structural, optical and magnetic properties. <i>Powder Technology</i> , 2015, 286, 757-765.	4.2	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.	5.2	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.	9.3	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.	3.9	50
74	Comparative investigation on the structural, morphological, optical, and magnetic properties of CoFe_2O_4 nanoparticles. <i>Ceramics International</i> , 2017, 43, 7682-7689.	4.8	50
75	Optical, magnetic and structural properties of ZnFe_2O_4 nanoparticles synthesized by conventional and microwave assisted combustion method: A comparative investigation. <i>Optik</i> , 2017, 129, 57-68.	2.9	50
76	Selective liquid phase oxidation of benzyl alcohol catalyzed by copper aluminate nanostructures. <i>Journal of Molecular Structure</i> , 2015, 1079, 182-188.	3.6	49
77	Antibacterial activity of silver nanoparticles synthesized from serine. <i>Materials Science and Engineering C</i> , 2015, 49, 316-322.	7.3	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.	4.8	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.	5.5	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.	3.7	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.	5.5	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.	14.0	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 /Qyerlock 10	6.7	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.	2.3	41
86	Facile synthesis of 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.	4.0	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.	9.4	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.	4.0	39
90	Effect of CeO_2 coupling on the structural, optical and photocatalytic properties of ZnO nanoparticle. <i>Journal of Molecular Structure</i> , 2015, 1099, 114-125.	3.6	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.	2.6	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.	4.0	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.	4.0	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.	3.6	35
95	Immobilization of polyphenol oxidase onto mesoporous activated carbons – isotherm and kinetic studies. <i>Chemosphere</i> , 2007, 69, 262-270.	8.2	33
96	Photocatalytic degradation of phenolic syntan using TiO ₂ impregnated activated carbon. <i>Journal of Colloid and Interface Science</i> , 2011, 355, 204-209.	9.4	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.	2.6	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.	3.9	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.	7.8	30
100	Phytosynthesis of Nanoscale ZnAl ₂ O ₄ 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.	2.2	29
102	Co ²⁺ substituted La ₂ CuO ₄ /LaCoO ₃ perovskite nanocomposites: synthesis, properties and heterogeneous catalytic performance. <i>New Journal of Chemistry</i> , 2018, 42, 18128-18142.	2.8	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 ₂ O ₄ composites. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 211-217.	7.8	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.	2.7	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.	2.7	28
108	A comparative study of the effects of CuO, NiO, ZrO ₂ and CeO ₂ coupling on the photocatalytic activity and characteristics of ZnO. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1431-1440.	2.7	28

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109	Structural, magnetic and catalytic properties of La ₂ -Ba CuO ₄ (0 ≤ x ≤ 0.5) perovskite nanoparticles. <i>Ceramics International</i> , 2018, 44, 18113-18122.	4.8	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.	4.1	27
111	Synthesis, characterization and humidity sensing properties of Sr(II)-added BaAl ₂ O ₄ composites. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 542-548.	7.8	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 ₂ O ₄ nanoparticles: A comparative investigation on the conventional and microwave combustion method. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1536-1545.	5.5	26
115	Utilization of strontium added NiAl ₂ O ₄ composites for the detection of methanol vapors. <i>Journal of Hazardous Materials</i> , 2008, 153, 767-774.	12.4	25
116	Green Synthesis of Co ₃ O ₄ 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.	5.2	23
118	High-performance supercapacitor based on Cu ₂ O/MoS ₂ /rGO nanocomposite. <i>Materials Letters</i> , 2020, 275, 128095.	2.6	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.	3.8	23
120	Sol-gel derived (Sr,Ni)Al ₂ O ₄ composites for benzene and toluene sensors. <i>Materials Letters</i> , 2007, 61, 5213-5216.	2.6	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.	3.8	22
122	Structural, optical, and magnetic properties of Ca ²⁺ doped La ₂ CuO ₄ perovskite nanoparticles. <i>Vacuum</i> , 2019, 167, 407-415.	3.5	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.	5.2	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.	14.0	20
125	Microwave-assisted synthesis, characterization and antibacterial properties of Ce-Cu dual doped ZnO nanostructures. <i>Optik</i> , 2016, 127, 2360-2365.	2.9	20
126	A Green approach: synthesis, characterization and opto-magnetic properties of Mg _x Mn _{1-x} Fe ₂ O ₄ spinel nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10321-10329.	2.2	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.	2.4	19
128	Catalytic applications of nano PbO in Paal-Knorr reaction. Chinese Chemical Letters, 2011, 22, 891-894.	9.0	18
129	Structural and Optical Properties of Novel ZrO_2 Nanostructures by Microwave and Solution Combustion Method. Journal of Nanoscience and Nanotechnology, 2013, 13, 2595-2603.	0.9	18
130	Synergy effect in the photocatalytic degradation of textile dyeing waste water by using microwave combustion synthesized zinc oxide supported activated carbon. Reaction Kinetics, Mechanisms and Catalysis, 2015, 114, 767-780.	1.7	18
131	Hierarchically arranged strontium oxide nanospheres - Impregnated carbon cloth for high performance supercapacitor electrodes. Journal of Electroanalytical Chemistry, 2017, 799, 222-227.	3.8	18
132	Humidity sensing characteristics of sol-gel derived Sr(II)-added ZnAl_2O_4 composites. Sensors and Actuators B: Chemical, 2007, 127, 619-624.	7.8	17
133	Effect of Ce Doping on Structural, Optical and Photocatalytic Properties of ZnO Nano-Structures. Journal of Nanoscience and Nanotechnology, 2014, 14, 2317-2324.	0.9	17
134	Synthesis and Characterization of Cobalt Substituted Zinc Ferrite Nanoparticles by Microwave Combustion Method. Journal of Nanoscience and Nanotechnology, 2015, 15, 6719-6728.	0.9	17
135	Magnetically separable $\text{Zn}_{1-x}\text{Cu}_x\text{Fe}_2\text{O}_4$ ($0 \leq x \leq 0.5$) nanocatalysts for the transesterification of waste cooking oil. Advanced Powder Technology, 2020, 31, 2573-2585.	4.1	17
136	One-Pot Microwave Combustion Synthesis of Porous $\text{Zn}_{1-x}\text{Cu}_x\text{Fe}_2\text{O}_4$ ($0 \leq x \leq 0.5$) Spinel Nanostructures. Journal of Nanoscience and Nanotechnology, 2013, 13, 3096-3103.	0.9	16
137	Studies on the Structural, Morphological, Optical, and Magnetic Properties of Fe_2O_3 Nanostructures by a Simple One-Step Low Temperature Reflux Condensing Method. Journal of Superconductivity and Novel Magnetism, 2014, 27, 1721-1727.	1.8	16
138	A new approach to solid waste management: fabrication of supercapacitor electrodes from solid leather wastes using aqueous KOH electrolyte. Clean Technologies and Environmental Policy, 2017, 19, 1087-1098.	4.1	16
139	Synthesis, Structural, Optical and Dielectric Properties of Nanostructured PZT/PVDF Composite Films. Journal of Nanoscience and Nanotechnology, 2018, 18, 4953-4962.	0.9	16
140	Magnetically Separable Zinc Ferrite Nanocatalyst for an Effective Biodiesel Production from Waste Cooking Oil. Catalysis Letters, 2019, 149, 3525-3542.	2.6	16
141	Electrical Conductivity Studies of Nanoporous Carbon Derived from Leather Waste: Effect of Pressure, Temperature and Porosity. Journal of Nanoscience and Nanotechnology, 2016, 16, 8829-8838.	0.9	15
142	Bandgap Engineering in Doped ZnO Nanostructures for Dye Sensitized Solar Cell Applications. Journal of Nanoscience and Nanotechnology, 2019, 19, 2963-2970.	0.9	15
143	Copper impregnated mesoporous activated carbon as a high efficient catalyst for the complete destruction of pathogens in water. Environmental Progress, 2008, 27, 40-50.	0.7	14
144	Enhanced selectivity to benzaldehyde in the liquid phase oxidation of benzyl alcohol using nanocrystalline ZSM-5 zeolite catalyst. Journal of Porous Materials, 2014, 21, 633-641.	2.6	14

#	ARTICLE	IF	CITATIONS
145	Synthesis of hierarchical ZSM-5 hexagonal cubes and their catalytic activity in the solvent-free selective oxidation of toluene. <i>Journal of Porous Materials</i> , 2015, 22, 907-918.	2.6	14
146	Influence of Fe-Doping on the Structural, Morphological, Optical, Magnetic and Antibacterial Effect of ZnO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1567-1577.	0.9	14
147	Photocatalytic degradation of textile dyeing wastewater through microwave synthesized Zr-AC, Ni-AC and Zn-AC. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 4216-4225.	4.2	13
148	Synthesis of MoS ₂ nanoparticle deposited graphene/mesoporous MnO _x nanocomposite for high performance super capacitor application. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 17121-17131.	7.1	13
149	Strontium(II)-added CoAl ₂ O ₄ nanocatalysts for the selective oxidation of alcohols. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 106, 379-394.	1.7	12
150	Catalytic Conversion of Methanol to Formaldehyde Over La ₂ CuO ₄ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 826-832.	0.9	12
151	Microwave-Assisted Synthesis and Characterization of Triton X 100 Capped Silver Nanospheres. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 1597-1602.	2.4	11
152	Biominerals doped nanocrystalline nickel oxide as efficient humidity sensor: A green approach. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 190, 13-20.	3.5	11
153	Simple microwave assisted solution combustion synthesis of cerium and nickel doped ZnO nanostructures: Effects on structural, morphological, optical, and magnetic properties. <i>Superlattices and Microstructures</i> , 2014, 76, 174-185.	3.1	11
154	Comparative Investigation on the Photocatalytic Degradation of 2,4,6-Trichlorophenol Using Pure and M-Doped (M = Ba, Ce, Mg) ZnO Spherical Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 5910-5917.	0.9	10
155	Synthesis of Fe ₂ O ₃ /MoS ₂ /rGO Sphere/Rod-Like Nanostructure via Simple Surfactant-Free Precipitation Route: Optical Properties and Formation Mechanism. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4558-4566.	0.9	10
156	Electrochemical properties of solid leather wastes based supercapacitor electrodes using H ₂ SO ₄ electrolyte. <i>Materials Letters</i> , 2017, 205, 56-61.	2.6	10
157	Bulk preparation and characterization of mesoporous carbon nanotubes by catalytic decomposition of cyclohexane on sol-gel prepared Ni-Mo-Mg oxide catalyst. <i>Materials Letters</i> , 2006, 60, 3735-3740.	2.6	9
158	Alcohol sensing properties of sol-gel prepared Sr(II)-added cobalt aluminate spinel composites. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 741-749.	7.8	9
159	Microwave-Assisted Rapid Facile Synthesis, Characterization, and Their Antibacterial Activity of PVP Capped Silver Nanospheres. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 1533-1538.	0.6	9
160	Synergy effect in the photocatalytic degradation of textile dyeing waste water by using microwave combustion synthesized nickel oxide supported activated carbon. <i>Desalination and Water Treatment</i> , 2016, 57, 3766-3781.	1.0	9
161	Microwave synthesized Fe ₂ O ₃ /MoS ₂ /rGO composites as high-performance supercapacitor. <i>Materials Letters</i> , 2021, 293, 129721.	2.6	9
162	Oxidative destabilization of dissolved organics and E. coli in domestic wastewater through immobilized cell reactor system. <i>Journal of Environmental Management</i> , 2007, 84, 123-133.	7.8	8

#	ARTICLE	IF	CITATIONS
163	Catalytic conversion of polyols (sorbitol and xylitol) to hydrocarbons over hierarchical ZSM-5 zeolite catalysts in a fixed bed reactor. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 247-257.	1.7	8
164	NiO Coupled ZnO Nanoparticles: Preparation, Characterization and their UV-Vis Photocatalytic Activities. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9784-9793.	0.9	7
165	Structural and electrochemical investigation of waste newspaper based electrodes for supercapacitor applications. <i>Materials Science-Poland</i> , 2016, 34, 302-314.	1.0	7
166	Liquid Phase Catalytic Oxidation of Toluene Over Rich Silica and Alumina Composition of Hierarchical Ordered ZSM-5 Zeolites Prepared Without Organic Templates. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5367-5379.	0.9	7
167	Design of copper (II) oxide nanoflakes decorated with molybdenum disulfide@reduced graphene oxide composite as an electrode for high performance supercapacitor. <i>Synthetic Metals</i> , 2021, 278, 116843.	3.9	7
168	Hierarchical ZSM-5 Zeolite Nanosurfaces with High Porosity—Structural, Morphological and Textural Investigations. <i>Springer Proceedings in Physics</i> , 2017, , 109-118.	0.2	6
169	Reduced Graphene Oxide-Tailored CuFe ₂ O ₄ Nanoparticles as an Electrode Material for High-Performance Supercapacitors. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-15.	2.7	6
170	Multifunctional Core-Shell NiFe ₂ O ₄ Shell with TiO ₂ /rGO Nanostructures for Biomedical and Environmental Applications. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-21.	4.1	6
171	Pure and Sr(II)-Added Copper Aluminate Nanocomposites: Structural, Electrical and Alcohol Sensing Studies. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5897-5909.	0.9	5
172	Synthesis, spectral characterization and photophysical studies of tetrahydroquinolines. <i>Journal of Molecular Structure</i> , 2021, 1226, 129365.	3.6	5
173	Utilization of Sr(II)-added Calcium Aluminate for the Detection of Volatile Organic Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6251-6258.	3.7	4
174	Fabrication of Hexagonal ZnO Nanorods on Porous Carbon Matrix by Microwave Irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 3068-3073.	0.9	4
175	Experimental and DFT studies of structure, optical and magnetic properties of (Zn _{1-x} Ce _x)O nanopowders. <i>Journal of Molecular Structure</i> , 2015, 1084, 155-164.	3.6	4
176	Hierarchically pure and M (Cu, Ni)-impregnated ZSM-5 zeolites for the isomerization catalysis of n-hexane and 1-hexene. <i>Materials Research Express</i> , 2019, 6, 125032.	1.6	4
177	<i>Hygrophila spinosa</i> T. Anders seeds based biomineral doped cobalt oxide: Synthesis, characterization and its application to humidity sensing. <i>Journal of Alloys and Compounds</i> , 2013, 547, 11-17.	5.5	3
178	Synthesis of simple and novel biocomposite doped nanocrystalline tin oxide and its humidity sensing properties. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 67, 1-9.	5.0	3
179	Modified Sol-Gel Prepared Sr(II)-Added Nickel Aluminate Nanocatalysts for Selective Oxidation of Benzyl Alcohol. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2953-2960.	0.9	2
180	Structural, Optical and Magnetic Properties of Cu-Doped ZnO Nanoparticles by Co-Precipitation Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 9722-9730.	0.9	2

#	ARTICLE	IF	CITATIONS
181	Two Stage-Two Step Activation Process for the Fabrication of Micro-Mesoporous Carbons from Rice Husk. Journal of Bioprocess Engineering and Biorefinery, 2013, 2, 230-239.	0.2	2
182	Synthesis and characterization of plant ceramics doped tin oxide for humidity sensing application. , 2011, , .		1
183	Microwave Based Synthesis; Structural, Optical and Magnetic Measurements of Co ²⁺ Doped MnFe ₂ O ₄ . Journal of Nanoscience and Nanotechnology, 2016, 16, 715-722.	0.9	1
184	Simple Phytosynthesis and Humidity Sensing Application of Biocomposite Doped Nanocrystalline Magnesium Oxide. Journal of Nanoscience and Nanotechnology, 2013, 13, 3027-3034.	0.9	0