

John Kennedy L

List of Publications by Year in descending order

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papers

9,799
citations

26567

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all docs

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docs citations

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times ranked

9811
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#	ARTICLE	IF	CITATIONS
1	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.	1.5	6
2	Multifunctional Core-Shell NiFe ₂ O ₄ Shield with TiO ₂ /rGO Nanostructures for Biomedical and Environmental Applications. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-21.	1.8	6
3	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
4	Synthesis, spectral characterization and photophysical studies of tetrahydroquinolines. <i>Journal of Molecular Structure</i> , 2021, 1226, 129365.	1.8	5
5	Microwave synthesized $\text{Fe}_2\text{O}_3/\text{MoS}_2/\text{rGO}$ composites as high-performance supercapacitor. <i>Materials Letters</i> , 2021, 293, 129721.	1.3	9
6	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
7	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.	2.1	7
8	Green mediated NiO nano-rods using Phoenix dactylifera (Dates) extract for biomedical and environmental applications. <i>Materials Chemistry and Physics</i> , 2020, 241, 122419.	2.0	39
9	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
10	High-performance supercapacitor based on Cu ₂ O/MoS ₂ /rGO nanocomposite. <i>Materials Letters</i> , 2020, 275, 128095.	1.3	23
11	Magnetically separable Zn _{1-x} Cu _x Fe ₂ O ₄ (0 ≤ x ≤ 0.5) nanocatalysts for the transesterification of waste cooking oil. <i>Advanced Powder Technology</i> , 2020, 31, 2573-2585.	2.0	17
12	Green synthesis of nickel oxide nanoparticles using Solanum trilobatum extract for cytotoxicity, antibacterial and photocatalytic studies. <i>Surfaces and Interfaces</i> , 2020, 20, 100553.	1.5	56
13	Magnetically Separable Zinc Ferrite Nanocatalyst for an Effective Biodiesel Production from Waste Cooking Oil. <i>Catalysis Letters</i> , 2019, 149, 3525-3542.	1.4	16
14	Structural, optical, and magnetic properties of Ca ²⁺ doped La ₂ CuO ₄ perovskite nanoparticles. <i>Vacuum</i> , 2019, 167, 407-415.	1.6	22
15	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.	0.8	4
16	Facile synthesis of Fe ³⁺ doped La ₂ CuO ₄ /LaFeO ₃ perovskite nanocomposites: Structural, optical, magnetic and catalytic properties. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 225-235.	1.9	40
17	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
18	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.	2.0	88

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19	Structural, optical and magnetic properties of Zn _{1-x} MnxFe ₂ O ₄ (0 ≤ x ≤ 0.5) spinel nano particles for transesterification of used cooking oil. Journal of Alloys and Compounds, 2019, 780, 816-828.	2.8	45
20	Catalytic Conversion of Methanol to Formaldehyde Over La ₂ CuO ₄ Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 826-832.	0.9	12
21	Green Synthesis of Co ₃ O ₄ Nanorods for Highly Efficient Catalytic, Photocatalytic, and Antibacterial Activities. Journal of Nanoscience and Nanotechnology, 2019, 19, 2590-2598.	0.9	25
22	Bandgap Engineering in Doped ZnO Nanostructures for Dye Sensitized Solar Cell Applications. Journal of Nanoscience and Nanotechnology, 2019, 19, 2963-2970.	0.9	15
23	Spin-dependent tunnelling in magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 460, 229-233.	1.0	97
24	Green synthesis of NiO nanoparticles using Aegle marmelos leaf extract for the evaluation of in-vitro cytotoxicity, antibacterial and photocatalytic properties. Journal of Photochemistry and Photobiology B: Biology, 2018, 180, 39-50.	1.7	281
25	Anti-cancer activity of hierarchical ZSM-5 zeolites synthesized from rice-based waste materials. RSC Advances, 2018, 8, 481-490.	1.7	62
26	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.	1.9	71
27	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
28	Okra extract-assisted green synthesis of CoFe ₂ O ₄ nanoparticles and their optical, magnetic, and antimicrobial properties. Materials Chemistry and Physics, 2018, 204, 410-419.	2.0	138
29	Self heating efficiency of CoFe ₂ O ₄ nanoparticles: A comparative investigation on the conventional and microwave combustion method. Journal of Alloys and Compounds, 2018, 735, 1536-1545.	2.8	26
30	Co ²⁺ substituted La ₂ CuO ₄ /LaCoO ₃ perovskite nanocomposites: synthesis, properties and heterogeneous catalytic performance. New Journal of Chemistry, 2018, 42, 18128-18142.	1.4	29
31	Facile microwave assisted combustion synthesis, structural, optical and magnetic properties of La _{2-x} Sr _x CuO ₄ (0 ≤ x ≤ 0.5) perovskite nanostructures. Journal of Magnetism and Magnetic Materials, 2018, 465, 48-57.	1.0	41
32	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.	2.1	66
33	Value added porous carbon from leather wastes as potential supercapacitor electrode using neutral electrolyte. Journal of Cleaner Production, 2018, 197, 930-936.	4.6	51
34	Enhanced Power Factor and Increased Conductivity of Aluminum Doped Zinc Oxide Thin Films for Thermoelectric Applications. Journal of Nanoscience and Nanotechnology, 2018, 18, 1384-1387.	0.9	43
35	Synthesis of MoS ₂ nanoparticle deposited graphene/mesoporous MnO _x nanocomposite for high performance super capacitor application. International Journal of Hydrogen Energy, 2018, 43, 17121-17131.	3.8	13
36	Structural, magnetic and catalytic properties of La _{2-x} Ba _x CuO ₄ (0 ≤ x ≤ 0.5) perovskite nanoparticles. Ceramics International, 2018, 44, 18113-18122.	2.3	28

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37	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
38	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
39	Synthesis, Structural, Optical and Dielectric Properties of Nanostructured PZT/PVDF Composite Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4953-4962.	0.9	16
40	High performance multifunctional green Co_3O_4 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
41	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
42	A Green approach: synthesis, characterization and opto-magnetic properties of $\text{Mg}_x\text{Mn}_{1-x}\text{Fe}_2\text{O}_4$ spinel nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10321-10329.	1.1	20
43	Hierarchical ZSM-5 Zeolite Nanosurfaces with High Porosity—Structural, Morphological and Textural Investigations. <i>Springer Proceedings in Physics</i> , 2017, , 109-118.	0.1	6
44	Hierarchically arranged strontium oxide nanospheres - Impregnated carbon cloth for high performance supercapacitor electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 222-227.	1.9	18
45	Electrochemical properties of solid leather wastes based supercapacitor electrodes using H_2SO_4 electrolyte. <i>Materials Letters</i> , 2017, 205, 56-61.	1.3	10
46	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
47	Comparative investigation on the structural, morphological, optical, and magnetic properties of CoFe_2O_4 nanoparticles. <i>Ceramics International</i> , 2017, 43, 7682-7689.	2.3	50
48	Studies on <i>Opuntia dillenii</i> haw mediated multifunctional ZnFe_2O_4 nanoparticles: Optical, magnetic and catalytic applications. <i>Materials Chemistry and Physics</i> , 2017, 194, 153-164.	2.0	55
49	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
50	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
51	Green-fuel-mediated synthesis of self-assembled NiO nano-sticks for dual applications—photocatalytic activity on Rose Bengal dye and antimicrobial action on bacterial strains. <i>Materials Research Express</i> , 2017, 4, 085030.	0.8	80
52	Spinel Ferrite Nanoparticles: Synthesis, Crystal Structure, Properties, and Perspective Applications. <i>Springer Proceedings in Physics</i> , 2017, , 305-325.	0.1	110
53	Photocatalytic removal of rhodamine B under irradiation of visible light using $\text{Co}_1\text{Cu}_1\text{Fe}_2\text{O}_4$ (0 \leq x \leq 1) $\text{Tj ETQq1 1 0.784314 rgBT /Ov}$	3.3	41
54	A novel synthesis protocol for Co_3O_4 nanocatalysts and their catalytic applications. <i>RSC Advances</i> , 2017, 7, 38861-38870.	1.7	71

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55	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.	0.8	8
56	A new approach to solid waste management: fabrication of supercapacitor electrodes from solid leather wastes using aqueous KOH electrolyte. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1087-1098.	2.1	16
57	Optical, magnetic and structural properties of ZnFe ₂ O ₄ nanoparticles synthesized by conventional and microwave assisted combustion method: A comparative investigation. <i>Optik</i> , 2017, 129, 57-68.	1.4	50
58	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
59	Optical and magnetic properties of Ni-doped ZnO nanoparticles. <i>Journal of Alloys and Compounds</i> , 2017, 694, 522-531.	2.8	136
60	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
61	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.	1.6	353
62	Electrical Conductivity Studies of Nanoporous Carbon Derived from Leather Waste: Effect of Pressure, Temperature and Porosity. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 8829-8838.	0.9	15
63	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.	2.8	82
64	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
65	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.	1.7	127
66	Green synthesis of NiO nanoparticles using Moringa oleifera 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
67	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
68	Structural and electrochemical investigation of waste newspaper based electrodes for supercapacitor applications. <i>Materials Science-Poland</i> , 2016, 34, 302-314.	0.4	7
69	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
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	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
72	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

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73	A comparative study of the effects of CuO, NiO, ZrO ₂ and CeO ₂ coupling on the photocatalytic activity and characteristics of ZnO. Korean Journal of Chemical Engineering, 2016, 33, 1431-1440.	1.2	28
74	Structural, microstructural, optical and magnetic properties of Mn-doped ZnO nanostructures. Journal of Molecular Structure, 2016, 1109, 89-96.	1.8	57
75	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
76	Influence of Fe-Doping on the Structural, Morphological, Optical, Magnetic and Antibacterial Effect of ZnO Nanostructures. Journal of Nanoscience and Nanotechnology, 2016, 16, 1567-1577.	0.9	14
77	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. Ceramics International, 2016, 42, 2741-2749.	2.3	96
78	Microwave-assisted synthesis, characterization and antibacterial properties of Ce-Cu dual doped ZnO nanostructures. Optik, 2016, 127, 2360-2365.	1.4	20
79	Effect of Fe-doping on the structural, optical and magnetic properties of ZnO nanostructures synthesised by co-precipitation method. Ceramics International, 2016, 42, 1588-1596.	2.3	45
80	Effects of Ba doping on structural, morphological, optical, and photocatalytic properties of self-assembled ZnO nanospheres. Clean Technologies and Environmental Policy, 2016, 18, 729-741.	2.1	27
81	Microwave-Assisted Rapid Facile Synthesis, Characterization, and Their Antibacterial Activity of PVP Capped Silver Nanospheres. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1533-1538.	0.6	9
82	Photocatalytic degradation of textile dyeing wastewater through microwave synthesized Zr-AC, Ni-AC and Zn-AC. Transactions of Nonferrous Metals Society of China, 2015, 25, 4216-4225.	1.7	13
83	Microwave combustion synthesis of Co _{1-x} Zn _x Fe ₂ O ₄ (0 ≤ x ≤ 0.5): Structural, magnetic, optical and vibrational spectroscopic studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 421-430.	2.0	50
84	Characterization and catalytic reactivity of mordenite – Investigation of selective oxidation of benzyl alcohol. Polyhedron, 2015, 89, 289-296.	1.0	29
85	Structural, morphological and catalytic investigations on hierarchical ZSM-5 zeolite hexagonal cubes by surfactant assisted hydrothermal method. Powder Technology, 2015, 274, 338-348.	2.1	55
86	Antibacterial activity of silver nanoparticles synthesized from serine. Materials Science and Engineering C, 2015, 49, 316-322.	3.8	46
87	Experimental and first-principles DFT studies of electronic, optical and magnetic properties of cerium-manganese codoped zinc oxide nanostructures. Materials Science in Semiconductor Processing, 2015, 34, 27-38.	1.9	36
88	Microwave combustion synthesis of zinc substituted nanocrystalline spinel cobalt ferrite: Structural and magnetic studies. Materials Science in Semiconductor Processing, 2015, 40, 1-10.	1.9	65
89	Effect of CeO ₂ coupling on the structural, optical and photocatalytic properties of ZnO nanoparticle. Journal of Molecular Structure, 2015, 1099, 114-125.	1.8	37
90	Synthesis of hierarchical ZSM-5 hexagonal cubes and their catalytic activity in the solvent-free selective oxidation of toluene. Journal of Porous Materials, 2015, 22, 907-918.	1.3	14

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91	Synthesis of simple and novel biocomposite doped nanocrystalline tin oxide and its humidity sensing properties. Measurement: Journal of the International Measurement Confederation, 2015, 67, 1-9.	2.5	3
92	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.	0.8	18
93	Comparative Investigation on the Photocatalytic Degradation of 2,4,6-Trichlorophenol Using Pure and M-Doped (M = Ba, Ce, Mg) ZnO Spherical Nanoparticles. Journal of Nanoscience and Nanotechnology, 2015, 15, 5910-5917.	0.9	10
94	Synthesis of Co-doped ZnO nanoparticles via co-precipitation: Structural, optical and magnetic properties. Powder Technology, 2015, 286, 757-765.	2.1	54
95	Synthesis of Fe^{2+} - Fe^{3+} - O^{2-} Sphere/Rod-Like Nanostructure via Simple Surfactant-Free Precipitation Route: Optical Properties and Formation Mechanism. Journal of Nanoscience and Nanotechnology, 2015, 15, 4558-4566.	0.9	10
96	Visible-light-induced photocatalytic performances of ZnO-CuO nanocomposites for degradation of 2,4-dichlorophenol. Chinese Journal of Catalysis, 2015, 36, 1263-1272.	6.9	56
97	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
98	Structural, optical and magnetic properties of $\text{Zn}_{1-x}\text{Mn}_x\text{Al}_2\text{O}_4$ ($0 \leq x \leq 0.5$) spinel nanostructures by one-pot microwave combustion technique. Journal of Molecular Structure, 2015, 1084, 244-253.	1.8	35
99	Surface and porous characterization of activated carbon prepared from pyrolysis of biomass (rice) Tj ETQq1 1 0.784314 rgBT /Overload Cycles and Waste Management, 2015, 17, 736-747.	1.6	66
100	Experimental and DFT studies of structure, optical and magnetic properties of $(\text{Zn}_{1-x}\text{Ce}_x\text{Co}_x)\text{O}$ nanopowders. Journal of Molecular Structure, 2015, 1084, 155-164.	1.8	4
101	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.	2.3	70
102	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. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 66, 209-220.	1.3	28
103	Selective liquid phase oxidation of benzyl alcohol catalyzed by copper aluminate nanostructures. Journal of Molecular Structure, 2015, 1079, 182-188.	1.8	49
104	Structural, optical and magnetic characterization of $\text{Zn}_{1-x}\text{Ni}_x\text{Al}_2\text{O}_4$ ($0 \leq x \leq 0.5$) spinel nanostructures synthesized by microwave combustion technique. Ceramics International, 2015, 41, 603-615.	2.3	72
105	Investigation of structural, surface morphological, optical properties and first-principles study on electronic and magnetic properties of (Ce, Fe)-co doped ZnO. Physica B: Condensed Matter, 2015, 456, 344-354.	1.3	28
106	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
107	Comparative Investigation of Structural, Optical Properties and Dye-Sensitized Solar Cell Applications of ZnO Nanostructures. Journal of Nanoscience and Nanotechnology, 2014, 14, 2507-2514.	0.9	28
108	Optical Properties and Dye-Sensitized Solar Cell Applications of ZnO Nanostructures Prepared by Microwave Combustion Synthesis. Journal of Nanoscience and Nanotechnology, 2014, 14, 2584-2590.	0.9	26

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109	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
110	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
111	Comparative investigation of nickel aluminate (NiAl ₂ O ₄) nano and microstructures for the structural, optical and catalytic properties. <i>Polyhedron</i> , 2014, 72, 1-7.	1.0	67
112	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
113	A new approach: Synthesis, characterization and optical studies of nano-zinc aluminate. <i>Advanced Powder Technology</i> , 2014, 25, 267-273.	2.0	84
114	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
115	Studies on the Structural, Morphological, Optical, and Magnetic Properties of Fe_2O_3 Nanostructures by a Simple One-Step Low Temperature Reflux Condensing Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1721-1727.	0.8	16
116	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
117	Microwave assisted combustion synthesis of coupled ZnO/ZrO ₂ nanoparticles and their role in the photocatalytic degradation of 2,4-dichlorophenol. <i>Ceramics International</i> , 2014, 40, 5681-5691.	2.3	74
118	Combustion synthesis, structure, magnetic and optical properties of cobalt aluminate spinel nanocrystals. <i>Ceramics International</i> , 2014, 40, 13067-13074.	2.3	75
119	Enhanced selectivity to benzaldehyde in the liquid phase oxidation of benzyl alcohol using nanocrystalline ZSM-5 zeolite catalyst. <i>Journal of Porous Materials</i> , 2014, 21, 633-641.	1.3	14
120	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.	2.9	95
121	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.	1.0	208
122	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.	1.7	11
123	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
124	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
125	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
126	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.	1.4	11

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127	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
128	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
129	Microwave-Assisted Synthesis and Characterization of Triton X 100 Capped Silver Nanospheres. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 1597-1602.	1.3	11
130	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
131	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
132	Catalytic properties of nanosized zinc aluminates prepared by green process using <i>Opuntia dilenii</i> haw plant extract. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1951-1958.	6.9	41
133	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.	1.4	248
134	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.	2.3	97
135	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.	2.8	64
136	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
137	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
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