Yuvakkumar R

List of Publications by Year
in descending order

246	6,147	76294	118793
papers	citations	40 h-index	62 g-index

248	248	248	5483
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Novel green synthetic strategy to prepare ZnO nanocrystals using rambutan (Nephelium lappaceum L.) peel extract and its antibacterial applications. Materials Science and Engineering C, 2014, 41, 17-27.	3.8	261
2	Silica Nanoparticles for Increased Silica Availability in Maize (Zea mays. L) Seeds Under Hydroponic Conditions. Current Nanoscience, 2012, 8, 902-908.	0.7	173
3	Growth and physiological responses of maize (Zea mays L.) to porous silica nanoparticles in soil. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	171
4	High-purity nano silica powder from rice husk using a simple chemical method. Journal of Experimental Nanoscience, 2014, 9, 272-281.	1.3	151
5	Effect of nanosilica and silicon sources on plant growth promoting rhizobacteria, soil nutrients and maize seed germination. IET Nanobiotechnology, 2013, 7, 70-77.	1.9	139
6	Application of silica nanoparticles in maize to enhance fungal resistance. IET Nanobiotechnology, 2014, 8, 133-137.	1.9	138
7	Rambutan peels promoted biomimetic synthesis of bioinspired zinc oxide nanochains for biomedical applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 250-258.	2.0	138
8	Ferrimagnetism in cobalt ferrite (CoFe 2 O 4) nanoparticles. Nano Structures Nano Objects, 2018, 14, 84-91.	1.9	127
9	Influence of Nanosilica Powder on the Growth of Maize Crop (Zea MaysL.). International Journal of Green Nanotechnology, 2011, 3, 180-190.	0.3	92
10	Preparation of Fe-SnO2@CeO2 nanocomposite electrode for asymmetric supercapacitor device performance analysis. Journal of Energy Storage, 2021, 36, 102402.	3.9	82
11	Rambutan (Nephelium lappaceum L.) peel extract assisted biomimetic synthesis of nickel oxide nanocrystals. Materials Letters, 2014, 128, 170-174.	1.3	78
12	Electrochemical properties of rice-like copper manganese oxide (CuMn2O4) nanoparticles for pseudocapacitor applications. Journal of Alloys and Compounds, 2017, 723, 115-122.	2.8	75
13	Nickelâ€“cobalt hydroxide: a positive electrode for supercapacitor applications. RSC Advances, 2020, 10, 19410-19418.	1.7	75
14	Synthesis of highly active biocompatible ZrO2 nanorods using a bioextract. Ceramics International, 2020, 46, 25915-25920.	2.3	74
15	Foliar Application of Silica Nanoparticles on the Phytochemical Responses of Maize (Zea mays) Tj ETQq1 1 0.784314 rgBT /Ove Metal Chemistry, 2014, 44, 1128-1131.	0.6	73
16	Investigation of electrochemical properties of various transition metals doped SnO2 spherical nanostructures for supercapacitor applications. Journal of Energy Storage, 2020, 31, 101530.	3.9	73
17	Green Synthesis of Magnesium Oxide Nanoparticles. Advanced Materials Research, 0, 952, 141-144.	0.3	71
18	Synthesis and characterization of various transition metals doped SnO2@MoS2 composites for supercapacitor and photocatalytic applications. Journal of Alloys and Compounds, 2021, 853, 157060.	2.8	71

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19	Solvent dependent morphological modification of micro-nano assembled Mn2O3/NiO composites for high performance supercapacitor applications. Ceramics International, 2019, 45, 4298-4307.	2.3	68
20	The bifunctional performance analysis of synthesized Ce doped SnO2/g-C3N4 composites for asymmetric supercapacitor and visible light photocatalytic applications. Journal of Alloys and Compounds, 2021, 866, 158807.	2.8	68
21	Screening of in vitro cytotoxicity, antioxidant potential and bioactivity of nano- and micro-ZrO2 and -TiO2 particles. Ecotoxicology and Environmental Safety, 2013, 93, 191-197.	2.9	62
22	Synthesis and characterization of hausmannite (Mn 3 O 4) nanostructures. Surfaces and Interfaces, 2018, 11, 28-36.	1.5	62
23	Marigold flower like structured Cu2NiSnS4 electrode for high energy asymmetric solid state supercapacitors. Scientific Reports, 2020, 10, 19198.	1.6	61
24	Green Synthesis of Spinel Magnetite Iron Oxide Nanoparticles. Advanced Materials Research, 0, 1051, 39-42.	0.3	60
25	Heterostructured SmCoO3/rGO composite for high-energy hybrid supercapacitors. Carbon, 2021, 172, 613-623.	5.4	59
26	Sn doped Î±-Fe2O3 (Sn=0,10,20,30â€¯wt%) photoanodes for photoelectrochemical water splitting applications. Renewable Energy, 2019, 133, 566-574.	4.3	57
27	Nd2O3: novel synthesis and characterization. Journal of Sol-Gel Science and Technology, 2015, 73, 511-517.	1.1	54
28	Annealing temperature effect on cobalt ferrite nanoparticles for photocatalytic degradation. Chemosphere, 2021, 281, 130903.	4.2	54
29	Synthesis of self-assembled micro/nano structured manganese carbonate for high performance, long lifespan asymmetric supercapacitors and investigation of atomic-level intercalation properties of OHâ¯ ions via first principle calculation. Journal of Energy Storage, 2020, 27, 101138.	3.9	53
30	Controlled synthesis and electrochemical properties of Ag-doped Co3O4 nanorods. International Journal of Hydrogen Energy, 2017, 42, 29666-29671.	3.8	52
31	Structural, optical and magnetic properties of CuFe2O4 nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 1975-1984.	1.1	52
32	Nano Silicon from Nano Silica Using Natural Resource (Rha) for Solar Cell Fabrication. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 1178-1193.	0.8	51
33	Efficient, highly stable Zn-doped NiO nanocluster electrocatalysts for electrochemical water splitting applications. Journal of Sol-Gel Science and Technology, 2019, 89, 500-510.	1.1	51
34	Influence of tin (Sn) doping on Co3O4 for enhanced photocatalytic dye degradation. Chemosphere, 2021, 277, 130325.	4.2	51
35	Single-phase Cr2O3 nanoparticles for biomedical applications. Ceramics International, 2020, 46, 19890-19895.	2.3	49
36	Rare earth metal (Sm) doped zinc ferrite (ZnFe2O4) for improved photocatalytic elimination of toxic dye from aquatic system. Environmental Research, 2021, 197, 111047.	3.7	49

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37	Effect of silica nanoparticles on microbial biomass and silica availability in maize rhizosphere. Biotechnology and Applied Biochemistry, 2014, 61, 668-675.	1.4	48
38	Facile single-step synthesis of MXene@CNTs hybrid nanocomposite by CVD method to remove hazardous pollutants. Chemosphere, 2022, 286, 131733.	4.2	46
39	Electrochemical performances of monodispersed spherical CuFe2O4 nanoparticles for pseudocapacitive applications. Vacuum, 2019, 168, 108798.	1.6	44
40	Electrochemically active XWO4 (Xâ€‰=â€‰Co, Cu, Mn, Zn) nanostructure for water splitting applications. Applied Nanoscience (Switzerland), 2018, 8, 1241-1258.	1.6	43
41	Bi₂WO₆ and FeWO₄ Nanocatalysts for the Electrochemical Water Oxidation Process. ACS Omega, 2019, 4, 5241-5253.	1.6	43
42	Novel Zirconium Nitride and Hydroxyapatite Nanocomposite Coating: Detailed Analysis and Functional Properties. ACS Applied Materials & Interfaces, 2014, 6, 9850-9857.	4.0	42
43	Synthesis and characterization of NiO/Ni3V2O8 nanocomposite for supercapacitor applications. Materials Letters, 2018, 219, 114-118.	1.3	42
44	Pure and cobalt-substituted zinc-ferrite magnetic ceramics for supercapacitor applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	42
45	Formation of one dimensional nanorods with microsphere of MnCO3 using Ag as dopant to enhance the performance of pseudocapacitors. Materials Chemistry and Physics, 2019, 228, 1-8.	2.0	42
46	A strategy to enhance the photocatalytic efficiency of Î±-Fe2O3. Chemosphere, 2021, 270, 129498.	4.2	41
47	Chitosan-incorporated different nanocomposite HPMC films for food preservation. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	40
48	Electrochemical and photoelectrochemical water oxidation of solvothermally synthesized Zr-doped Î±-Fe2O3 nanostructures. Applied Surface Science, 2019, 471, 733-744.	3.1	40
49	Urchin like NiCo2O4/rGO nanocomposite for high energy asymmetric storage applications. Ceramics International, 2020, 46, 16291-16297.	2.3	40
50	Quaternary Cu₂FeSnS₄/PVP/rGO Composite for Supercapacitor Applications. ACS Omega, 2021, 6, 9471-9481.	1.6	40
51	Pure and Co doped CeO2 nanostructure electrodes with enhanced electrochemical performance for energy storage applications. Ceramics International, 2017, 43, 10494-10501.	2.3	39
52	Impact of Nano and Bulk ZrO₂, TiO₂ Particles on Soil Nutrient Contents and PGPR. Journal of Nanoscience and Nanotechnology, 2013, 13, 678-685.	0.9	38
53	Synthesis of polyoxometalates, copper molybdate (Cu3Mo2O9) nanopowders, for energy storage applications. Materials Science in Semiconductor Processing, 2019, 93, 164-172.	1.9	38
54	Transition mixed-metal molybdates (MnMoO4) as an electrode for energy storage applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	38

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55	Augmented biocontrol action of silica nanoparticles and Pseudomonas fluorescens bioformulant in maize (Zea mays L.). RSC Advances, 2014, 4, 8461.	1.7	37
56	Hydrothermal synthesis of spherical NiCO2O4 nanoparticles as a positive electrode for pseudocapacitor applications. Journal of Sol-Gel Science and Technology, 2017, 84, 297-305.	1.1	36
57	Electrochemical Performance of Î²-Nis@Ni(OH)₂ Nanocomposite for Water Splitting Applications. ACS Omega, 2019, 4, 10302-10310.	1.6	36
58	Cleaner production of tamarind fruit shell into bio-mass derived porous 3D-activated carbon nanosheets by CVD technique for supercapacitor applications. Chemosphere, 2021, 282, 131033.	4.2	36
59	Electrical measurement of PVA/graphene nanofibers for transparent electrode applications. Synthetic Metals, 2014, 191, 113-119.	2.1	35
60	Preparation of SnO2 Nanoparticles with Addition of Co Ions for Photocatalytic Activity of Brilliant Green Dye Degradation. Journal of Electronic Materials, 2019, 48, 2183-2194.	1.0	35
61	Efficient photocatalytic degradation of hazardous pollutants by homemade kitchen blender novel technique via 2D-material of few-layer MXene nanosheets. Chemosphere, 2021, 281, 130984.	4.2	34
62	Surfactant assisted zinc doped tin oxide nanoparticles for supercapacitor applications. Journal of Sol-Gel Science and Technology, 2018, 86, 521-535.	1.1	33
63	Novel SmMn2O5 hollow long nano-cuboids for electrochemical supercapacitor and water splitting applications. Vacuum, 2019, 166, 279-285.	1.6	32
64	Different rare earth (Sm, La, Nd) doped magnetron sputtered CdO thin films for optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 9999-10012.	1.1	32
65	Superior supercapacitive performance of Cu₂MnSnS₄ asymmetric devices. Nanoscale Advances, 2021, 3, 486-498.	2.2	31
66	Demonstration of 1.5ÂV asymmetric supercapacitor developed using MnSe2-CoSe2 metal composite. Ceramics International, 2021, 47, 11786-11792.	2.3	31
67	Anomalies of ultrasonic velocities, attenuation and elastic moduli in Nd 1â^' x Sr x MnO 3 perovskite manganite materials. Journal of Magnetism and Magnetic Materials, 2009, 321, 3611-3620.	1.0	30
68	Morphology dependent electrochemical capacitor performance of NiMoO4 nanoparticles. Materials Letters, 2017, 209, 1-4.	1.3	30
69	Cytotoxicity of phloroglucinol engineered silver (Ag) nanoparticles against MCF-7 breast cancer cell lines. Materials Chemistry and Physics, 2018, 220, 402-408.	2.0	29
70	Pure and Ce-doped spinel CuFe2O4 photocatalysts for efficient rhodamine B degradation. Environmental Research, 2021, 200, 111528.	3.7	29
71	Characterization of activated biomass carbon from tea leaf for supercapacitor applications. Chemosphere, 2022, 291, 132931.	4.2	29
72	Reducing agent (NaBH4) dependent structure, morphology and magnetic properties of nickel ferrite (NiFe2O4) nanorods. Journal of Magnetism and Magnetic Materials, 2017, 428, 78-85.	1.0	28

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73	Fabrication of Ce doped TiO2 for efficient organic pollutants removal from wastewater. Chemosphere, 2022, 293, 133540.	4.2	28
74	Nickel, bismuth, and cobalt vanadium oxides for supercapacitor applications. Ceramics International, 2020, 46, 28206-28210.	2.3	27
75	Ni doped Bi2WO6 for electrochemical OER activity. International Journal of Hydrogen Energy, 2020, 45, 18859-18866.	3.8	27
76	CoNiSe₂ Nanostructures for Clean Energy Production. ACS Omega, 2020, 5, 14702-14710.	1.6	27
77	Gadolinium doped CeO2 for efficient oxygen and hydrogen evolution reaction. Fuel, 2022, 310, 122319.	3.4	27
78	Supercapacitor and OER activity of transition metal (Mo, Co, Cu) sulphides. Journal of Physics and Chemistry of Solids, 2020, 138, 109240.	1.9	26
79	MnCo2O4 nanosphere synthesis for electrochemical applications. Materials Science for Energy Technologies, 2019, 2, 130-138.	1.0	25
80	Anti-cancer applications of Zr, Co, Ni-doped ZnO thin nanoplates. Materials Letters, 2021, 283, 128760.	1.3	25
81	Enhanced visible light-driven photocatalytic performance of CdSe nanorods. Environmental Research, 2022, 203, 111855.	3.7	25
82	Temperature-dependent physicochemical properties of magnesium ferrites (MgFe2O4). Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	24
83	Size dependent magnetic and antibacterial properties of solvothermally synthesized cuprous oxide (Cu2O) nanocubes. Journal of Materials Science: Materials in Electronics, 2018, 29, 17622-17629.	1.1	24
84	WO3 nanocubes for photoelectrochemical water-splitting applications. Journal of Physics and Chemistry of Solids, 2019, 134, 149-156.	1.9	24
85	Superior electrochemical water oxidation of novel NiS@FeS2 nanocomposites. Materials Science in Semiconductor Processing, 2019, 101, 174-182.	1.9	24
86	Improved optoelectronic properties of Gd doped cadmium oxide thin films through optimized film thickness for alternative TCO applications. Journal of Alloys and Compounds, 2020, 820, 153188.	2.8	24
87	Asymmetric polyhedron structured NiSe₂@MoSe₂ device for use as a supercapacitor. Nanoscale Advances, 2021, 3, 4207-4215.	2.2	24
88	Recent review on electron transport layers in perovskite solar cells. International Journal of Energy Research, 2022, 46, 21441-21451.	2.2	24
89	Ag implanted ZnO hierarchical nanoflowers for photoelectrochemical water-splitting applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 731-745.	1.1	22
90	Investigation on (Zn) doping and anionic surfactant (SDS) effect on SnO2 nanostructures for enhanced photocatalytic RhB dye degradation. Environmental Research, 2021, 199, 111312.	3.7	22

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91	Production of Al₂O₃â€Stabilized Tetragonal ZrO₂ Nanoparticles for Thermal Barrier Coating. International Journal of Applied Ceramic Technology, 2013, 10, 887-899.	1.1	21
92	Structural, compositional and textural properties of monoclinic Î±-Bi2O3 nanocrystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 144, 281-286.	2.0	21
93	Elevated energy density and cycle stability of Î±-Mn2O3 3D-microspheres with addition of neodymium dopant for pouch-type hybrid supercapacitors. Electrochimica Acta, 2020, 362, 137169.	2.6	21
94	Defect Induced in 3D-Rhombohedral MnCO₃ Microcrystals by Substitution of Transition Metals for Aqueous and Solid-State Hybrid Supercapacitors. ACS Sustainable Chemistry and Engineering, 2021, 9, 1656-1668.	3.2	21
95	Y2O3 nanorods for cytotoxicity evaluation. Ceramics International, 2020, 46, 20553-20557.	2.3	21
96	Rare Earth-Doped MoS₂ for Supercapacitor Application. Energy & Fuels, 2022, 36, 6476-6482.	2.5	21
97	Surfactant effect on synthesis and electrochemical properties of nickel-doped magnesium oxide (Niâ€“MgO) for supercapacitor applications. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	20
98	Morphological exploration of chemical vaporâ€“deposited P-doped ZnO nanorods for efficient photoelectrochemical water splitting. Ceramics International, 2021, 47, 6521-6527.	2.3	20
99	The electrochemical energy storage and photocatalytic performances analysis of rare earth metal (Tb) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	20
100	Preparation and Characterization of Nano-Hydroxyapatite Nanomaterials for Liver Cancer Cell Treatment. Journal of Nanoscience and Nanotechnology, 2013, 13, 1631-1638.	0.9	19
101	Novel NiWO 4 nanoberries morphology effect on photoelectrochemical properties. Materials Letters, 2018, 220, 209-212.	1.3	19
102	Electrochemical characterization of FeMnO₃ microspheres as potential material for energy storage applications. Materials Research Express, 2018, 5, 015504.	0.8	19
103	Structural, Optical and Magnetic Properties of NiO Nanopowders. Journal of Nanoscience and Nanotechnology, 2018, 18, 4658-4666.	0.9	19
104	Fabrication and electrochemical OER activity of Ag doped MoO3 nanorods. Materials Science in Semiconductor Processing, 2020, 107, 104818.	1.9	19
105	CuCoO2 electrodes for supercapacitor applications. Materials Letters, 2021, 296, 129930.	1.3	19
106	Enhanced Functional Properties of ZrO2/SiO2 Hybrid Nanosol Coated Cotton Fabrics. Journal of Nanoscience and Nanotechnology, 2013, 13, 4017-4024.	0.9	18
107	Selective and sensitive fluorescent sensor for Pd 2+ using coumarin 460 for real-time and biological applications. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 302-308.	1.7	18
108	Ultrafine M-doped TiO2 (Mâ€¯=â€¯Fe, Ce, La) nanosphere photoanodes for photoelectrochemical water-splitting applications. Materials Characterization, 2019, 152, 188-203.	1.9	18

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109	Hydrothermally synthesized Î±-MnS nanostructures for electrochemical water oxidation and photocatalytic hydrogen production. Fuel, 2021, 303, 121293.	3.4	18
110	Vertically aligned Cu-ZnO nanorod arrays for water splitting applications. Materials Letters, 2018, 222, 58-61.	1.3	17
111	Effect of Nd3+ doping on CdO nanoparticles for supercapacitor applications. Ceramics International, 2021, 47, 30790-30796.	2.3	17
112	Synthesis of pure and lanthanum-doped barium ferrite nanoparticles for efficient removal of toxic pollutants. Journal of Hazardous Materials, 2022, 424, 127604.	6.5	17
113	Enhanced pseudocapacitive performance of SnO2, Zn-SnO2, and Ag-SnO2 nanoparticles. Ionics, 2018, 24, 4081-4092.	1.2	16
114	Neutral and alkaline chemical environment dependent synthesis of Mn3O4 for oxygen evolution reaction (OER). Materials Chemistry and Physics, 2020, 247, 122864.	2.0	16
115	Green Synthesis of Zinc Oxide Nanoparticles. Advanced Materials Research, 0, 952, 137-140.	0.3	15
116	Synthesis of Geikielite (MgTiO₃) Nanoparticles via Solâ€“Gel Method and Studies on Their Structural and Optical Properties. Journal of Nanoscience and Nanotechnology, 2016, 16, 7635-7641.	0.9	15
117	Copper molybdate nanoparticles for electrochemical water splitting application. International Journal of Hydrogen Energy, 2021, 46, 7701-7711.	3.8	15
118	Influence of sintering temperature and pH on the phase transformation, particle size and anti-reflective properties of RHA nano silica powders. Phase Transitions, 2012, 85, 1109-1124.	0.6	14
119	Effect of thermal treatment on hydrophobicity of methyl-functionalised hybrid nano-silica particles. Materials Letters, 2013, 90, 68-71.	1.3	14
120	Electrochemical Water Oxidation of NiCo₂O₄ and CoNi₂S₄ Nanospheres Supported on Ni Foam Substrate. ChemistrySelect, 2019, 4, 10122-10132.	0.7	14
121	Binder free, robust and scalable CuO@GCE modified electrodes for efficient electrochemical water oxidation. Materials Chemistry and Physics, 2020, 239, 122321.	2.0	14
122	Hydrothermal Synthesis of Flower Like MnSe2@MoSe2 Electrode for Supercapacitor Applications. Topics in Catalysis, 2022, 65, 615-622.	1.3	14
123	Fluorine-implanted indium-gallium-zinc oxide (IGZO) chemiresistor sensor for high-response NO2 detection. Chemosphere, 2021, 284, 131287.	4.2	14
124	Biomimetic hierarchical growth and self-assembly of hydroxyapatite/titania nanocomposite coatings and their biomedical applications. Applied Surface Science, 2015, 332, 368-378.	3.1	13
125	Physico-chemical properties of pure and zinc incorporated cobalt nickel mixed ferrite (ZnxCo0.005â^'xNi0.005Fe2O4, where xâ€‰=â€‰0, 0.002, 0.004ÂM) nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 16450-16458.	1.1	13
126	BiVO4 Nanostructures for Photoelectrochemical (PEC) Solar Water Splitting Applications. Journal of Nanoscience and Nanotechnology, 2019, 19, 7427-7435.	0.9	13

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127	Fluorescence microscopyâ€based analysis of apoptosis induced by platinum nanoparticles against breast cancer cells. Applied Organometallic Chemistry, 2020, 34, e5740.	1.7	13
128	Water-splitting application of orthorhombic molybdite Î±-MoO3 nanorods. Ceramics International, 2020, 46, 23218-23222.	2.3	13
129	Rare earth metal (Sm)-doped NiMnO₃ nanostructures for highly competent alkaline oxygen evolution reaction. Nanoscale Advances, 2022, 4, 2501-2508.	2.2	13
130	Morphology-Dependent Photoelectrochemical and Photocatalytic Performance of Î³-Bi₂O₃ Nanostructures. Journal of Nanoscience and Nanotechnology, 2020, 20, 143-154.	0.9	12
131	Electrochemical water splitting exploration of MnCo₂O₄, NiCo₂O₄ cobaltites. New Journal of Chemistry, 2020, 44, 17679-17692.	1.4	12
132	Flower like strontium molybdate for efficient energy conversion applications. Fuel, 2022, 308, 122051.	3.4	12
133	Structural and toxic effect investigation of vanadium pentoxide. Materials Science and Engineering C, 2016, 65, 419-424.	3.8	11
134	Influence of reducing agent concentration on the structure, morphology and ferromagnetic properties of hematite (Î±-Fe2O3) nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 8093-8100.	1.1	11
135	Design, Fabrication, and Characterization of Hematite (Î±-Fe2O3) Nanostructures. Jom, 2017, 69, 2508-2514.	0.9	11
136	Structural, morphological, optical and antibacterial properties of pentagon CuO nanoplatelets. Journal of Sol-Gel Science and Technology, 2018, 87, 515-527.	1.1	11
137	Hexamine Role on Pseudocapacitive Behaviour of Cobalt Oxide (Co3O4) Nanopowders. Journal of Nanoscience and Nanotechnology, 2018, 18, 4093-4099.	0.9	11
138	Highly dispersed SmMn₂O₅ nanorods for electrochemical water oxidation reaction kinetics. Materials Research Express, 2019, 6, 095090.	0.8	11
139	Selective antibacterial and apoptosis-inducing effects of hybrid gold nanoparticles â€“ A green approach. Journal of Drug Delivery Science and Technology, 2020, 59, 101890.	1.4	11
140	Facile hydrothermal synthesis of MXene@antimony nanoneedle composites for toxic pollutants removal. Environmental Research, 2022, 210, 112904.	3.7	11
141	ZnCo2O4/CNT composite for efficient supercapacitor electrodes. Ceramics International, 2022, 48, 24745-24750.	2.3	11
142	Influence of Nano Nutrients on Heterocyst-Forming CyanobacteriumAnabaena ambigua Rao. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2011, 41, 1234-1239.	0.6	10
143	Application of silica nanoparticles for increased silica availability in maize. , 2013, , .		10
144	Synthesis of X₃(PO₄)₂ [X = Ni, Cu, Mn] Nanomaterials as an Efficient Electrode for Energy Storage Applications. Journal of Nanoscience and Nanotechnology, 2020, 20, 2813-2822.	0.9	10

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145	Designing rational and cheapest SeO2 electrocatalyst for long stable water splitting process. Journal of Physics and Chemistry of Solids, 2020, 145, 109544.	1.9	10
146	An approach to enhance the photocatalytic activity of ZnTiO3. Ceramics International, 2021, 47, 18122-18131.	2.3	10
147	Two-dimensional hybrid perovskite solar cells: a review. Environmental Chemistry Letters, 2022, 20, 189-210.	8.3	10
148	Investigation of pure and g-C3N4 loaded CdWO4 photocatalytic activity on reducing toxic pollutants. Chemosphere, 2021, , 133090.	4.2	10
149	Catalytic Effect of Iron Nanoparticles on Heterocyst, Protein and Chlorophyll Content ofAnabaena sp.. International Journal of Green Nanotechnology, 2012, 4, 326-338.	0.3	9
150	Pseudocapacitive NiO/NiSnO3 Electrode for Supercapacitor Applications. Journal of Electronic Materials, 2018, 47, 6390-6395.	1.0	9
151	Perovskite BiFeO3 nanocatalysts for electrochemical water oxidation. Journal of Sol-Gel Science and Technology, 2019, 91, 247-254.	1.1	9
152	Preparation and electrochemical characterization of Mo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e638" altimg="si6.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>9</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e646" altimg="si37.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>26</mml:mn></mml:mrow></mml:m	1.9	9
153	NiMoO4 nanorods photocatalytic activity comparison under UV and visible light. Environmental Research, 2021, 197, 111073.	3.7	9
154	In-situ deposition of amorphous Tungsten(VI) oxide thin-film for solid-state symmetric supercapacitor. Ceramics International, 2022, 48, 2510-2521.	2.3	9
155	Investigation of PEG directed Sb2WO6 for dyes removal from wastewater. Chemosphere, 2022, 291, 132677.	4.2	9
156	Facile synthesis of a heterostructured lanthanum-doped SnO₂ anchored with rGO for asymmetric supercapacitors and photocatalytic dye degradation. New Journal of Chemistry, 2021, 45, 22497-22513.	1.4	9
157	Recent Progression of Flower Like ZnSe@MoSe2 Designed as an Electrocatalyst for Enhanced Supercapacitor Performance. Topics in Catalysis, 2022, 65, 684-693.	1.3	9
158	Inorganic complex intermediate Co₃O₄nanostructures using green ligation from natural waste resources. RSC Advances, 2014, 4, 44495-44499.	1.7	8
159	Investigation on copper based oxide, sulfide and selenide derivatives oxygen evolution reaction activity. Applied Nanoscience (Switzerland), 2020, 10, 4299-4306.	1.6	8
160	CuS@Î²-SnS nanocomposite electrocatalysts for efficient electrochemical water oxidation. International Journal of Hydrogen Energy, 2021, 46, 3387-3400.	3.8	8
161	Solvothermal synthesis of CoMoO4 nanostructures for electrochemical applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 5989-6000.	1.1	8
162	Preparation of NiCo2O4 microspheres employing hydrothermal approach. International Journal of Hydrogen Energy, 2021, 46, 17060-17070.	3.8	8

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163	Bi2MoO6 hierarchical microflowers for electrochemical oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 18719-18728.	3.8	8
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