

Yuvakkumar R

List of Publications by Year in descending order

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246
papers

6,147
citations

87401

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248
docs citations

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times ranked

6066
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of EG-Bi ₂ S ₃ nanorods photocatalytic activity under visible light for dye degradation from aquatic system. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71628-71636.	2.7	1
2	PVP-assisted grass-like NiSe@ZnSe composite for environmental energy applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 8409-8416.	1.1	7
3	Hydrothermal Synthesis of Flower Like MnSe ₂ @MoSe ₂ Electrode for Supercapacitor Applications. <i>Topics in Catalysis</i> , 2022, 65, 615-622.	1.3	14
4	Electrochemical energy storage and conversion applications of CoSn(OH) ₆ materials. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41948-41955.	3.8	3
5	Two-dimensional hybrid perovskite solar cells: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 189-210.	8.3	10
6	Enhanced visible light-driven photocatalytic performance of CdSe nanorods. <i>Environmental Research</i> , 2022, 203, 111855.	3.7	25
7	Facile single-step synthesis of MXene@CNTs hybrid nanocomposite by CVD method to remove hazardous pollutants. <i>Chemosphere</i> , 2022, 286, 131733.	4.2	46
8	Flower like strontium molybdate for efficient energy conversion applications. <i>Fuel</i> , 2022, 308, 122051.	3.4	12
9	In-situ deposition of amorphous Tungsten(VI) oxide thin-film for solid-state symmetric supercapacitor. <i>Ceramics International</i> , 2022, 48, 2510-2521.	2.3	9
10	Investigation of PEG directed Sb ₂ WO ₆ for dyes removal from wastewater. <i>Chemosphere</i> , 2022, 291, 132677.	4.2	9
11	Synthesis of pure and lanthanum-doped barium ferrite nanoparticles for efficient removal of toxic pollutants. <i>Journal of Hazardous Materials</i> , 2022, 424, 127604.	6.5	17
12	Gadolinium doped CeO ₂ for efficient oxygen and hydrogen evolution reaction. <i>Fuel</i> , 2022, 310, 122319.	3.4	27
13	Characterization of activated biomass carbon from tea leaf for supercapacitor applications. <i>Chemosphere</i> , 2022, 291, 132931.	4.2	29
14	Recent Progression of Flower Like ZnSe@MoSe ₂ Designed as an Electrocatalyst for Enhanced Supercapacitor Performance. <i>Topics in Catalysis</i> , 2022, 65, 684-693.	1.3	9
15	Novel strontium vanadate nanostructures for hydrogen evolution reaction activity. <i>Materials Letters</i> , 2022, 309, 131426.	1.3	2
16	Polyvinylpyrrolidone-assisted novel copper antimony sulfide nanorods for highly efficient hydrogen evolution reaction. <i>Fuel</i> , 2022, 314, 123096.	3.4	8
17	Fabrication of Ce doped TiO ₂ for efficient organic pollutants removal from wastewater. <i>Chemosphere</i> , 2022, 293, 133540.	4.2	28
18	Exploration of a Bimetallic NiSe ₂ @CoSe ₂ Nanosphere as a Proficient Electrode for Electrochemical Activity. <i>Energy & Fuels</i> , 2022, 36, 1726-1734.	2.5	6

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19	Electrochemical Enhancement of Binary CuSe ₂ @MoSe ₂ Composite Nanorods for Supercapacitor Application. Topics in Catalysis, 2022, 65, 668-676.	1.3	7
20	The electrochemical energy storage and photocatalytic performances analysis of rare earth metal (Tb) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.9	20
21	Scheelite-type Fe substituted SrWO ₄ for hydrogen evolution reaction under alkaline conditions. Fuel, 2022, 316, 123309.	3.4	4
22	Si@MXene/graphene crumbled spherical nanocomposites. International Journal of Energy Research, 2022, 46, 21548-21557.	2.2	3
23	Heterostructured O _v @Mn ₂ O ₃ @Cu ₂ SnS ₃ @SnS Composite as Battery-Type Cathode Material for Extrinsic Self-Charging Hybrid Supercapacitors. Advanced Materials Interfaces, 2022, 9, .	1.9	5
24	Facile hydrothermal synthesis of MXene@antimony nanoneedle composites for toxic pollutants removal. Environmental Research, 2022, 210, 112904.	3.7	11
25	Surfactant induced copper vanadate (Cu ₂ V ₂ O ₇ , Cu ₃ V ₂ O ₈) for different textile dyes degradation. Environmental Research, 2022, 211, 112964.	3.7	6
26	Recent review on electron transport layers in perovskite solar cells. International Journal of Energy Research, 2022, 46, 21441-21451.	2.2	24
27	ZnCo ₂ O ₄ /CNT composite for efficient supercapacitor electrodes. Ceramics International, 2022, 48, 24745-24750.	2.3	11
28	Rare earth metal (Sm)-doped NiMnO ₃ nanostructures for highly competent alkaline oxygen evolution reaction. Nanoscale Advances, 2022, 4, 2501-2508.	2.2	13
29	Carbonization and optimization of biomass waste for HER application. Fuel, 2022, 324, 124466.	3.4	6
30	Rare Earth-Doped MoS ₂ for Supercapacitor Application. Energy & Fuels, 2022, 36, 6476-6482.	2.5	21
31	Preparation and characterization of antimony nanoparticles for hydrogen evolution activities. Fuel, 2022, 325, 124908.	3.4	5
32	Ag doped ZnSnO ₃ nanocubes: Promotion on the charge storage mechanism for supercapacitors. Journal of Physics and Chemistry of Solids, 2022, 169, 110894.	1.9	1
33	Mesoporous oxygen vacancy 3D-rhombohedral Ov-Mn ₂ O ₃ mixed with rGO@CNTs as cathode material for self-charging pouch-type hybrid supercapacitor applications. Materials Today Chemistry, 2022, 26, 101017.	1.7	4
34	Morphological exploration of chemical vapor-deposited P-doped ZnO nanorods for efficient photoelectrochemical water splitting. Ceramics International, 2021, 47, 6521-6527.	2.3	20
35	Biomedical application of single anatase phase TiO ₂ nanoparticles with addition of Rambutan (Nephelium lappaceum) fruit peel extract. Applied Nanoscience (Switzerland), 2021, 11, 699-708.	1.6	6
36	Synthesis and characterization of various transition metals doped SnO ₂ @MoS ₂ composites for supercapacitor and photocatalytic applications. Journal of Alloys and Compounds, 2021, 853, 157060.	2.8	71

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37	Anti-cancer applications of Zr, Co, Ni-doped ZnO thin nanoplates. <i>Materials Letters</i> , 2021, 283, 128760.	1.3	25
38	Iron doped vanadium sulfide anemone like nanorod structure for electrochemical water oxidation. <i>Current Applied Physics</i> , 2021, 21, 192-198.	1.1	2
39	Superior supercapacitive performance of Cu ₂ MnSnS ₄ asymmetric devices. <i>Nanoscale Advances</i> , 2021, 3, 486-498.	2.2	31
40	High performance MnSn(OH) ₆ electrodes for energy conversion application. <i>Materials Letters</i> , 2021, 282, 128888.	1.3	4
41	CuS@I ² -SnS nanocomposite electrocatalysts for efficient electrochemical water oxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3387-3400.	3.8	8
42	La ³⁺ Mo binary metal oxides for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 6197-6205.	3.8	3
43	Heterostructured SmCoO ₃ /rGO composite for high-energy hybrid supercapacitors. <i>Carbon</i> , 2021, 172, 613-623.	5.4	59
44	Energy Storage Applications of CdMoO ₄ Microspheres. <i>Jom</i> , 2021, 73, 1546-1551.	0.9	6
45	Copper molybdate nanoparticles for electrochemical water splitting application. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7701-7711.	3.8	15
46	Solvothermal synthesis of CoMoO ₄ nanostructures for electrochemical applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5989-6000.	1.1	8
47	Growth of ZnSe _x O _{1-x} Nanorods and Their Photoelectrochemical Properties. <i>Energy & Fuels</i> , 2021, 35, 6289-6297.	2.5	2
48	Quaternary Cu ₂ FeSnS ₄ /PVP/rGO Composite for Supercapacitor Applications. <i>ACS Omega</i> , 2021, 6, 9471-9481.	1.6	40
49	Cobalt-based derivatives oxygen evolution reaction. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1367-1378.	1.6	6
50	Effect of cationic, anionic, and mixed surfactant role on manganese oxide nanoparticles for energy storage applications. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1769-1775.	1.6	5
51	Demonstration of 1.5V asymmetric supercapacitor developed using MnSe ₂ -CoSe ₂ metal composite. <i>Ceramics International</i> , 2021, 47, 11786-11792.	2.3	31
52	Preparation of Fe-SnO ₂ @CeO ₂ nanocomposite electrode for asymmetric supercapacitor device performance analysis. <i>Journal of Energy Storage</i> , 2021, 36, 102402.	3.9	82
53	Hydrothermal synthesis of Cu ₂ Se@CoSe nanograin for electrochemical supercapacitor applications. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1881-1888.	1.6	5
54	Preparation of NiCo ₂ O ₄ microspheres employing hydrothermal approach. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17060-17070.	3.8	8

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55	Bi ₂ MoO ₆ hierarchical microflowers for electrochemical oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 18719-18728.	3.8	8
56	A strategy to enhance the photocatalytic efficiency of Fe ²⁺ -Fe ₂ O ₃ . Chemosphere, 2021, 270, 129498.	4.2	41
57	CTAB Cationic Surfactant Assisted NiCO ₃ Electrocatalyst for Electrochemical Water Splitting Applications. ECS Journal of Solid State Science and Technology, 2021, 10, 061006.	0.9	2
58	Rare earth metal (Sm) doped zinc ferrite (ZnFe ₂ O ₄) for improved photocatalytic elimination of toxic dye from aquatic system. Environmental Research, 2021, 197, 111047.	3.7	49
59	NiMoO ₄ nanorods photocatalytic activity comparison under UV and visible light. Environmental Research, 2021, 197, 111073.	3.7	9
60	Cobalt Vanadium Oxide Nanoclusters for Oxygen Evolution Reaction. ECS Journal of Solid State Science and Technology, 2021, 10, 071003.	0.9	5
61	The bifunctional performance analysis of synthesized Ce doped SnO ₂ /g-C ₃ N ₄ composites for asymmetric supercapacitor and visible light photocatalytic applications. Journal of Alloys and Compounds, 2021, 866, 158807.	2.8	68
62	Influence of the concentration of capping agent on synthesizing and analyses of Ceria nano-filler using modified co-precipitation technique. International Journal of Applied Ceramic Technology, 2021, 18, 1533-1541.	1.1	3
63	An approach to enhance the photocatalytic activity of ZnTiO ₃ . Ceramics International, 2021, 47, 18122-18131.	2.3	10
64	Investigation on (Zn) doping and anionic surfactant (SDS) effect on SnO ₂ nanostructures for enhanced photocatalytic RhB dye degradation. Environmental Research, 2021, 199, 111312.	3.7	22
65	Anionic surfactant assisted copper hydroxide for toxic dye removal from wastewater. Environmental Research, 2021, 199, 111310.	3.7	4
66	Visible light induced photocatalytic performance of Mn-SnO ₂ @ZnO nanocomposite for high efficient cationic dye degradation. Journal of Materials Science: Materials in Electronics, 2021, 32, 22168-22186.	1.1	7
67	PVP influence on Mn-CdS for efficient photocatalytic activity. Chemosphere, 2021, 277, 130346.	4.2	7
68	CuCoO ₂ electrodes for supercapacitor applications. Materials Letters, 2021, 296, 129930.	1.3	19
69	Influence of tin (Sn) doping on Co ₃ O ₄ for enhanced photocatalytic dye degradation. Chemosphere, 2021, 277, 130325.	4.2	51
70	Nickel and cobalt co-doped MnCO ₃ nanostructures for water oxidation reaction. International Journal of Hydrogen Energy, 2021, , .	3.8	1
71	Hydrogen free direct growth carbon nanorod as a promising electrode in symmetric supercapacitor applications. Progress in Organic Coatings, 2021, 158, 106379.	1.9	6
72	Pure and Ce-doped spinel CuFe ₂ O ₄ photocatalysts for efficient rhodamine B degradation. Environmental Research, 2021, 200, 111528.	3.7	29

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73	Efficient photocatalytic degradation of hazardous pollutants by homemade kitchen blender novel technique via 2D-material of few-layer MXene nanosheets. <i>Chemosphere</i> , 2021, 281, 130984.	4.2	34
74	Ethylene glycol assisted MnCO ₃ electrocatalyst for water oxidation and hydrogen production application. <i>Fuel</i> , 2021, 302, 121151.	3.4	5
75	Annealing temperature effect on cobalt ferrite nanoparticles for photocatalytic degradation. <i>Chemosphere</i> , 2021, 281, 130903.	4.2	54
76	Investigation of electrochemical performance of an efficient TiO ₂ @CeO ₂ nanocomposite for enhanced pollution-free energy conversion applications. <i>Journal of Environmental Management</i> , 2021, 295, 113138.	3.8	3
77	Hydrothermally synthesized γ -MnS nanostructures for electrochemical water oxidation and photocatalytic hydrogen production. <i>Fuel</i> , 2021, 303, 121293.	3.4	18
78	Upshot of Concentration of Zirconium (IV) Oxynitrate Hexa Hydrate on Preparation and Analyses of Zirconium Oxide (ZrO ₂) Nanoparticles by Modified Co-Precipitation Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 5707-5713.	0.9	3
79	Cleaner production of tamarind fruit shell into bio-mass derived porous 3D-activated carbon nanosheets by CVD technique for supercapacitor applications. <i>Chemosphere</i> , 2021, 282, 131033.	4.2	36
80	Effect of Nd ³⁺ doping on CdO nanoparticles for supercapacitor applications. <i>Ceramics International</i> , 2021, 47, 30790-30796.	2.3	17
81	Fluorine-implanted indium-gallium-zinc oxide (IGZO) chemiresistor sensor for high-response NO ₂ detection. <i>Chemosphere</i> , 2021, 284, 131287.	4.2	14
82	Asymmetric polyhedron structured NiSe ₂ @MoSe ₂ device for use as a supercapacitor. <i>Nanoscale Advances</i> , 2021, 3, 4207-4215.	2.2	24
83	Defect Induced in 3D-Rhombohedral MnCO ₃ Microcrystals by Substitution of Transition Metals for Aqueous and Solid-State Hybrid Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1656-1668.	3.2	21
84	Nickel iron oxide electrocatalysts for electrochemical OER activity. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2669-2677.	1.6	2
85	Free-Standing Bi-Induced ZrO ₂ Nanoflake Array Photoanodes Fabrication for Photoelectrochemical (PEC) Water Splitting Applications. , 2021, , 65-71.		0
86	Investigation of pure and g-C ₃ N ₄ loaded CdWO ₄ photocatalytic activity on reducing toxic pollutants. <i>Chemosphere</i> , 2021, , 133090.	4.2	10
87	Facile synthesis of a heterostructured lanthanum-doped SnO ₂ anchored with rGO for asymmetric supercapacitors and photocatalytic dye degradation. <i>New Journal of Chemistry</i> , 2021, 45, 22497-22513.	1.4	9
88	Binder free, robust and scalable CuO@GCE modified electrodes for efficient electrochemical water oxidation. <i>Materials Chemistry and Physics</i> , 2020, 239, 122321.	2.0	14
89	Supercapacitor and OER activity of transition metal (Mo, Co, Cu) sulphides. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 138, 109240.	1.9	26
90	Synthesis and characterization of Mn ₃ O ₄ /MnSnO ₃ nanocomposites for supercapacitor applications. <i>International Journal of Plastics Technology</i> , 2020, 24, 9-17.	2.9	4

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91	MnFe ₂ O ₄ Nanoparticles as an Efficient Electrode for Energy Storage Applications. Journal of Nanoscience and Nanotechnology, 2020, 20, 96-105.	0.9	6
92	Morphology-Dependent Photoelectrochemical and Photocatalytic Performance of Bi ₂ O ₃ Nanostructures. Journal of Nanoscience and Nanotechnology, 2020, 20, 143-154.	0.9	12
93	Synthesis of X ₃ (PO ₄) 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
94	Synthesis of self-assembled micro/nano structured manganese carbonate for high performance, long lifespan asymmetric supercapacitors and investigation of atomic-level intercalation properties of OH ⁻ ions via first principle calculation. Journal of Energy Storage, 2020, 27, 101138.	3.9	53
95	Fabrication and electrochemical OER activity of Ag doped MoO ₃ nanorods. Materials Science in Semiconductor Processing, 2020, 107, 104818.	1.9	19
96	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
97	Elevated energy density and cycle stability of Mn ₂ O ₃ 3D-microspheres with addition of neodymium dopant for pouch-type hybrid supercapacitors. Electrochimica Acta, 2020, 362, 137169.	2.6	21
98	Electrochemical Oxygen Evolution Reaction Activity of Tin Sulfide Nanostructures. ChemistrySelect, 2020, 5, 11703-11707.	0.7	0
99	Electrochemical water splitting exploration of MnCo ₂ O ₄ , NiCo ₂ O ₄ cobaltites. New Journal of Chemistry, 2020, 44, 17679-17692.	1.4	12
100	Synthesis of highly active biocompatible ZrO ₂ nanorods using a bioextract. Ceramics International, 2020, 46, 25915-25920.	2.3	74
101	Physical and electrochemical characteristics of phosphonium ionic liquid-based solid and gel-polymer electrolyte for lithium secondary batteries. Journal of Materials Science: Materials in Electronics, 2020, 31, 22933-22944.	1.1	3
102	Marigold flower like structured Cu ₂ NiSnS ₄ electrode for high energy asymmetric solid state supercapacitors. Scientific Reports, 2020, 10, 19198.	1.6	61
103	Investigation on copper based oxide, sulfide and selenide derivatives oxygen evolution reaction activity. Applied Nanoscience (Switzerland), 2020, 10, 4299-4306.	1.6	8
104	Energy storage performance of CoNiSe ₂ nanostructures. Materials Letters, 2020, 279, 128485.	1.3	2
105	Nickel, bismuth, and cobalt vanadium oxides for supercapacitor applications. Ceramics International, 2020, 46, 28206-28210.	2.3	27
106	Silver-doped cadmium sulfide for electrochemical water oxidation. Applied Nanoscience (Switzerland), 2020, 10, 4351-4358.	1.6	7
107	Cu ₂ S electrochemical energy storage applications. AIP Conference Proceedings, 2020, , .	0.3	2
108	Cerium doped NiO nanoparticles by hydrothermal method. AIP Conference Proceedings, 2020, , .	0.3	1

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109	Nickel-cobalt hydroxide: a positive electrode for supercapacitor applications. RSC Advances, 2020, 10, 19410-19418.	1.7	75
110	Fluorescence microscopy-based analysis of apoptosis induced by platinum nanoparticles against breast cancer cells. Applied Organometallic Chemistry, 2020, 34, e5740.	1.7	13
111	Designing rational and cheapest SeO ₂ electrocatalyst for long stable water splitting process. Journal of Physics and Chemistry of Solids, 2020, 145, 109544.	1.9	10
112	In situ hydrothermal growth of SnS/Ni foam for electrochemical energy storage and conversion. Materials Letters, 2020, 273, 127958.	1.3	5
113	Single-phase Cr ₂ O ₃ nanoparticles for biomedical applications. Ceramics International, 2020, 46, 19890-19895.	2.3	49
114	Ni doped Bi ₂ WO ₆ for electrochemical OER activity. International Journal of Hydrogen Energy, 2020, 45, 18859-18866.	3.8	27
115	CoNiSe ₂ Nanostructures for Clean Energy Production. ACS Omega, 2020, 5, 14702-14710.	1.6	27
116	Ni supported anorthic phase FeVO ₄ nanorods for electrochemical water oxidation. Materials Letters, 2020, 275, 128091.	1.3	4
117	Investigation of electrochemical properties of various transition metals doped SnO ₂ spherical nanostructures for supercapacitor applications. Journal of Energy Storage, 2020, 31, 101530.	3.9	73
118	Neutral and alkaline chemical environment dependent synthesis of Mn ₃ O ₄ for oxygen evolution reaction (OER). Materials Chemistry and Physics, 2020, 247, 122864.	2.0	16
119	Water-splitting application of orthorhombic molybdate \pm -MoO ₃ nanorods. Ceramics International, 2020, 46, 23218-23222.	2.3	13
120	Hydrothermal Method-derived MnMoO ₄ Crystals: Effect of Cationic Surfactant on Microstructures and Electrochemical Properties. ChemistrySelect, 2020, 5, 7728-7733.	0.7	7
121	Selective antibacterial and apoptosis-inducing effects of hybrid gold nanoparticles - A green approach. Journal of Drug Delivery Science and Technology, 2020, 59, 101890.	1.4	11
122	Facile hydrothermal synthesis of CuCo ₂ O ₄ /AC/PANI nanocomposites. Journal of Sol-Gel Science and Technology, 2020, 94, 241-250.	1.1	4
123	Urchin like NiCo ₂ O ₄ /rGO nanocomposite for high energy asymmetric storage applications. Ceramics International, 2020, 46, 16291-16297.	2.3	40
124	Y ₂ O ₃ nanorods for cytotoxicity evaluation. Ceramics International, 2020, 46, 20553-20557.	2.3	21
125	Electrochemical Performance of NiS@CuS for water oxidation. AIP Conference Proceedings, 2020, , .	0.3	0
126	NiWO ₄ @Ni(OH) ₂ for electrochemical water splitting. AIP Conference Proceedings, 2020, , .	0.3	0

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127	Vanadium oxide nanostructures for electrochemical supercapacitor applications. AIP Conference Proceedings, 2020, , .	0.3	0
128	Electrochemical water splitting of Ag-WO ₃ nanostructures. AIP Conference Proceedings, 2020, , .	0.3	1
129	Multi-phase CuBi ₂ O ₄ @CuO@Bi ₂ O ₃ nanocomposite electrocatalyst for electrochemical water splitting application. AIP Conference Proceedings, 2019, , .	0.3	1
130	Highly dispersed SmMn ₂ O ₅ nanorods for electrochemical water oxidation reaction kinetics. Materials Research Express, 2019, 6, 095090.	0.8	11
131	Synthesis of MnNiO ₃ /Mn ₃ O ₄ nanocomposites for the water electrolysis process. Journal of Sol-Gel Science and Technology, 2019, 92, 1-11.	1.1	3
132	Electrochemical performances of monodispersed spherical CuFe ₂ O ₄ nanoparticles for pseudocapacitive applications. Vacuum, 2019, 168, 108798.	1.6	44
133	Electrochemical Water Oxidation of NiCo ₂ O ₄ and CoNi ₂ S ₄ Nanospheres Supported on Ni Foam Substrate. ChemistrySelect, 2019, 4, 10122-10132.	0.7	14
134	Dopant influence on phase and electrochemical performance of molybdenum sulfide nanostructures. AIP Conference Proceedings, 2019, , .	0.3	4
135	Novel SmMn ₂ O ₅ hollow long nano-cuboids for electrochemical supercapacitor and water splitting applications. Vacuum, 2019, 166, 279-285.	1.6	32
136	Electrochemical Performance of Ni ₂ Ni(OH) ₂ Nanocomposite for Water Splitting Applications. ACS Omega, 2019, 4, 10302-10310.	1.6	36
137	Perovskite BiFeO ₃ nanocatalysts for electrochemical water oxidation. Journal of Sol-Gel Science and Technology, 2019, 91, 247-254.	1.1	9
138	WO ₃ nanocubes for photoelectrochemical water-splitting applications. Journal of Physics and Chemistry of Solids, 2019, 134, 149-156.	1.9	24
139	Preparation and electrochemical characterization of Mo ₉ O ₂₇	1.9	9
140	Superior electrochemical water oxidation of novel NiS@FeS ₂ nanocomposites. Materials Science in Semiconductor Processing, 2019, 101, 174-182.	1.9	24
141	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
142	BiVO ₄ Nanostructures for Photoelectrochemical (PEC) Solar Water Splitting Applications. Journal of Nanoscience and Nanotechnology, 2019, 19, 7427-7435.	0.9	13
143	Ultrafine M-doped TiO ₂ (M = Fe, Ce, La) nanosphere photoanodes for photoelectrochemical water-splitting applications. Materials Characterization, 2019, 152, 188-203.	1.9	18
144	Organic Datura metal Leaf Extract Mediated Inorganic Rare Earth La ₂ O ₃ Nanocrystals Formation. Journal of Nanoscience and Nanotechnology, 2019, 19, 4033-4038.	0.9	3

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145	Bi ₂ WO ₆ and FeWO ₄ Nanocatalysts for the Electrochemical Water Oxidation Process. ACS Omega, 2019, 4, 5241-5253.	1.6	43
146	Formation of one dimensional nanorods with microsphere of MnCO ₃ using Ag as dopant to enhance the performance of pseudocapacitors. Materials Chemistry and Physics, 2019, 228, 1-8.	2.0	42
147	Preparation of SnO ₂ 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
148	Low Surface Energy and pH Effect on SnO ₂ Nanoparticles Formation for Supercapacitor Applications. Journal of Nanoscience and Nanotechnology, 2019, 19, 3429-3436.	0.9	7
149	Ag implanted ZnO hierarchical nanoflowers for photoelectrochemical water-splitting applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 731-745.	1.1	22
150	Solvent dependent morphological modification of micro-nano assembled Mn ₂ O ₃ /NiO composites for high performance supercapacitor applications. Ceramics International, 2019, 45, 4298-4307.	2.3	68
151	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
152	Synthesis of polyoxometalates, copper molybdate (Cu ₃ Mo ₂ O ₉) nanopowders, for energy storage applications. Materials Science in Semiconductor Processing, 2019, 93, 164-172.	1.9	38
153	Transition-Metal Element (Ni, Co)-Doped MgO Microflowers for Electrochemical Biosensor Applications. Jom, 2019, 71, 279-284.	0.9	6
154	Sn doped γ -Fe ₂ O ₃ (Sn=0,10,20,30 wt%) photoanodes for photoelectrochemical water splitting applications. Renewable Energy, 2019, 133, 566-574.	4.3	57
155	Hydrothermal synthesis and electrochemical properties of ZnCo ₂ O ₄ microspheres. Ionics, 2019, 25, 353-360.	1.2	6
156	MnCo ₂ O ₄ nanosphere synthesis for electrochemical applications. Materials Science for Energy Technologies, 2019, 2, 130-138.	1.0	25
157	Transition mixed-metal molybdates (MnMoO ₄) as an electrode for energy storage applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	38
158	Electrochemical and photoelectrochemical water oxidation of solvothermally synthesized Zr-doped γ -Fe ₂ O ₃ nanostructures. Applied Surface Science, 2019, 471, 733-744.	3.1	40
159	Ferrimagnetism in cobalt ferrite (CoFe ₂ O ₄) nanoparticles. Nano Structures Nano Objects, 2018, 14, 84-91.	1.9	127
160	Novel NiWO ₄ nanoberries morphology effect on photoelectrochemical properties. Materials Letters, 2018, 220, 209-212.	1.3	19
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