

Muhammad Ashiq

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

982
citations

361388

20
h-index

454934

30
g-index

40
all docs

40
docs citations

40
times ranked

771
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive and Selective Detection of Arsenic Using Electrogenerated Nanotextured Gold Assemblage. ACS Omega, 2019, 4, 13645-13657.	3.5	71
2	Structural, electrical, dielectric and magnetic properties of Gd-Sn substituted Sr-hexaferrite synthesized by sol-gel combustion method. Journal of Magnetism and Magnetic Materials, 2015, 374, 173-178.	2.3	69
3	Controlled synthesis of cobalt telluride superstructures for the visible light photo-conversion of carbon dioxide into methane. Applied Catalysis A: General, 2014, 487, 202-209.	4.3	56
4	Ultrathin CoTe nanoflakes electrode demonstrating low overpotential for overall water splitting. Fuel, 2020, 280, 118666.	6.4	49
5	CdSe supported SnO ₂ nanocomposite with strongly hydrophilic surface for enhanced overall water splitting. Fuel, 2022, 321, 124086.	6.4	47
6	Magnetic and electrical properties of M-type nano-strontium hexaferrite prepared by sol-gel combustion method. Journal of Magnetism and Magnetic Materials, 2017, 444, 426-431.	2.3	44
7	Reactive oxygen species: New insights into photocatalytic pollutant degradation over g-C ₃ N ₄ /ZnSe nanocomposite. Applied Surface Science, 2020, 532, 147418.	6.1	44
8	Development of excellent and novel flowery zirconia/cadmium sulfide nanohybrid electrode: For high performance electrochemical supercapacitor application. Journal of Energy Storage, 2021, 40, 102718.	8.1	38
9	Visible-light-driven ZnO/ZnS/MnO ₂ ternary nanocomposite catalyst: synthesis, characterization and photocatalytic degradation of methylene blue. Applied Nanoscience (Switzerland), 2021, 11, 2361-2370.	3.1	35
10	Metal-organic framework derived CeO ₂ /C nanorod arrays directly grown on nickel foam as a highly efficient electrocatalyst for OER. Fuel, 2022, 307, 121823.	6.4	35
11	Facile synthesis of novel carbon dots@metal organic framework composite for remarkable and highly sustained oxygen evolution reaction. Journal of Alloys and Compounds, 2021, 856, 158038.	5.5	34
12	Fabrication of transition-metal oxide and chalcogenide nanostructures with enhanced electrochemical performances. Journal of Energy Storage, 2020, 31, 101621.	8.1	32
13	Scalable Synthesis of Sm ₂ O ₃ /Fe ₂ O ₃ Hierarchical Oxygen Vacancy-Based Gyroid-Inspired Morphology: With Enhanced Electrocatalytic Activity for Oxygen Evolution Performance. Energy & Fuels, 2021, 35, 17820-17832.	5.1	32
14	CoFe ₂ O ₄ decorated g-C ₃ N ₄ nanosheets: New insights into superoxide anion mediated photomineralization of methylene blue. Journal of Environmental Chemical Engineering, 2020, 8, 104556.	6.7	30
15	Inductive effect in Mn-doped ZnO nanoribbon arrays grown on Ni foam: A promising key for boosted capacitive and high specific energy supercapacitors. Ceramics International, 2021, 47, 28338-28347.	4.8	27
16	Synthesis, characterization and photocatalytic activity of LaNdZr ₂ O ₇ supported SnSe nanocomposites for the degradation of Foron blue dye. Applied Surface Science, 2019, 463, 1019-1027.	6.1	24
17	Marketability Prospects of Microbial Fuel Cells for Sustainable Energy Generation. Energy & Fuels, 2020, 34, 9108-9136.	5.1	24
18	Copper telluride nanowires for high performance electrocatalytic water oxidation in alkaline media. Journal of Power Sources, 2021, 491, 229628.	7.8	23

#	ARTICLE	IF	CITATIONS
19	Facile synthesis of rare earth metal dual-doped Pr ₂ O ₃ nanostructures: Enhanced electrochemical water-splitting and antimicrobial properties. <i>Ceramics International</i> , 2022, 48, 19150-19165.	4.8	23
20	Elucidation of structure and conduction mechanism in Nd-Mn substituted Y-type strontium hexaferrites. <i>Journal of Alloys and Compounds</i> , 2017, 723, 9-16.	5.5	22
21	Boosted electron-transfer/separation of SnO ₂ /CdSe/Bi ₂ S ₃ heterostructure for excellent photocatalytic degradation of organic dye pollutants under visible light. <i>Surfaces and Interfaces</i> , 2022, 31, 102012.	3.0	21
22	Removal of methylene blue from aqueous solution using acid/base treated rice husk as an adsorbent. <i>Desalination and Water Treatment</i> , 2012, 49, 376-383.	1.0	19
23	Enhanced electrochemical properties of silver-coated zirconia nanoparticles for supercapacitor application. <i>Journal of Taibah University for Science</i> , 2021, 15, 10-16.	2.5	18
24	Novel lanthanum sulfide decorated zirconia nanohybrid for enhanced electrochemical oxygen evolution reaction. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 2171-2182.	2.5	18
25	Stainless steel supported NiS/CeS nanocomposite for significantly enhanced oxygen evolution reaction in alkaline media. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 2107-2118.	2.5	17
26	Engineered Modular Design of a Nanoscale CoNP/Au nano Hybrid Assembly for High-Performance Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 8953-8968.	5.1	16
27	Effect of Variable Doses of Zinc Oxide Nanoparticles on Male Albino Mice Behavior. <i>Neurochemical Research</i> , 2017, 42, 439-445.	3.3	13
28	ZnTe/ZnSe heterostructures: In-situ synthesis, characterization and photocatalytic activity for Congo Red degradation. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	13
29	Fabrication of Ni-MOF-derived composite material for efficient electrocatalytic OER. <i>Journal of Taibah University for Science</i> , 2021, 15, 637-648.	2.5	12
30	Synthesis, dielectric and magnetic properties of Mn-Ge substituted Co ₂ Y hexaferrites. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 407-416.	5.2	11
31	Structural, magnetic and electrical study of rare earth doped Y-type hexaferrites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 6708-6717.	2.2	9
32	Fabrication of rGO/SrSeO ₄ nanocomposite as an electrode material with enhanced specific power for supercapacitor applications. <i>Journal of Taibah University for Science</i> , 2021, 15, 357-366.	2.5	8
33	Magnetic and dielectric properties of Nd-Mn substituted Co ₂ Y-hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 171-176.	2.3	7
34	Facile synthesis of LaDySn ₂ O ₇ SnSe nanocomposite with excellent photocatalytic Activity under visible light. <i>Materials Chemistry and Physics</i> , 2019, 229, 362-371.	4.0	7
35	Synergistic effect of reduced graphene oxide layers wrapped in polyaniline sheets to porous blades for boosted oxygen evolution reaction. <i>Journal of Taibah University for Science</i> , 2021, 15, 960-970.	2.5	7
36	Sunlight activated S-scheme ZnO-CoTe binary photocatalyst for effective degradation of dye pollutants from wastewater. <i>Surfaces and Interfaces</i> , 2022, 31, 101991.	3.0	7

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37	Facile synthesis of nanosphere like rare-earth/transition metal dual-doped TiO ₂ nanostructure for application as supercapacitor electrodes material. <i>Journal of Materials Science</i> , 2022, 57, 11852-11870.	3.7	7
38	Nanoscale La ₂ O ₃ /SnSe Composite for Visible-Light Driven Photoreduction of CO ₂ to Methane and for Monoazo Dyes Photodegradation. <i>ChemistrySelect</i> , 2019, 4, 11511-11517.	1.5	6
39	Fabrication of substituted Y-type hexaferrites/carbon dots composites for recording media and photodegradation of dye. <i>Ceramics International</i> , 2022, 48, 27550-27559.	4.8	6
40	Single-step hydrothermal synthesis of amine functionalized Ce-MOF for electrochemical water splitting. <i>Journal of Taibah University for Science</i> , 2022, 16, 525-534.	2.5	1