

Umair Aftab

List of Publications by Year in descending order

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33
papers

499
citations

687220

13
h-index

677027

22
g-index

33
all docs

33
docs citations

33
times ranked

506
citing authors

#	ARTICLE	IF	CITATIONS
1	MgO as promoter for electrocatalytic activities of Co ₃ O ₄ @MgO composite via abundant oxygen vacancies and Co ²⁺ ions towards oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 12672-12682.	3.8	30
2	Polyvinyl fibers as outperform candidature in the solid polymer electrolytes. <i>Journal of Industrial Textiles</i> , 2022, 51, 6983S-6995S.	1.1	3
3	An efficient palladium oxide nanoparticles@Co ₃ O ₄ nanocomposite with low chemisorbed species for enhanced oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 3834-3845.	3.8	18
4	CDO/CO ₃ O ₄ NANOCOMPOSITE AS AN EFFICIENT ELECTROCATALYST FOR OXYGEN EVOLUTION REACTION IN ALKALINE MEDIA. <i>International Journal of Engineering Science Technologies</i> , 2022, 6, 1-10.	0.2	5
5	Facile deposition of palladium oxide (PdO) nanoparticles on CoNi ₂ S ₄ microstructures towards enhanced oxygen evolution reaction. <i>Nanotechnology</i> , 2022, 33, 275402.	1.3	8
6	The fast nucleation/growth of Co ₃ O ₄ nanowires on cotton silk: the facile development of a potentiometric uric acid biosensor. <i>RSC Advances</i> , 2022, 12, 18321-18332.	1.7	4
7	Two step synthesis of TiO ₂ @Co ₃ O ₄ composite for efficient oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 9110-9122.	3.8	25
8	A Low Charge Transfer Resistance CuO Composite for Efficient Oxygen Evolution Reaction in Alkaline Media. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2613-2620.	0.9	3
9	Mixed MoS ₂ /MoO ₃ Nanostructures for Hydrogen Evolution Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2500-2510.	0.9	2
10	Chemically Coupled Cobalt Oxide Nanosheets Decorated onto the Surface of Multiwall Carbon Nanotubes for Favorable Oxygen Evolution Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2660-2667.	0.9	3
11	An Efficient Nickel Sulfide@NiO Nanocomposite Catalyst with High Density of Active Sites for the Hydrogen Evolution Reaction in Alkaline Media. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2520-2528.	0.9	0
12	An Efficient and Functional Fe ₃ O ₄ /Co ₃ O ₄ Composite for Oxygen Evolution Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2675-2680.	0.9	3
13	Effect of process parameters on emulsion stability and droplet size of pomegranate oil-in-water. <i>Grasas Y Aceites</i> , 2021, 72, e410.	0.3	14
14	Flower-like CuO/polyaniline composite for electrochemical determination of hydrochlorothiazide. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	0.8	2
15	Nanostructured Co ₃ O ₄ electrocatalyst for OER: The role of organic polyelectrolytes as soft templates. <i>Electrochimica Acta</i> , 2021, 398, 139338.	2.6	30
16	Facile NiCo ₂ S ₄ /C nanocomposite: an efficient material for water oxidation. <i>Tungsten</i> , 2020, 2, 403-410.	2.0	15
17	Nickel-cobalt bimetallic sulfide NiCo ₂ S ₄ nanostructures for a robust hydrogen evolution reaction in acidic media. <i>RSC Advances</i> , 2020, 10, 22196-22203.	1.7	14
18	Mixed CoS ₂ @Co ₃ O ₄ composite material: An efficient nonprecious electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13805-13813.	3.8	44

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19	Facile doping of nickel into Co ₃ O ₄ nanostructures to make them efficient for catalyzing the oxygen evolution reaction. RSC Advances, 2020, 10, 12962-12969.	1.7	20
20	Fabrication and characterization of graphene oxide nanoparticles incorporated in poly (vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 1 Pharmaceutical Sciences, 2020, 33, 2089-2096.	0.2	0
21	Green synthesis characterization and antimicrobial activity against <i>Staphylococcus aureus</i> of silver nanoparticles using extracts of neem, onion and tomato. RSC Advances, 2019, 9, 17002-17015.	1.7	56
22	An efficient bifunctional electrocatalyst based on a nickel iron layered double hydroxide functionalized Co ₃ O ₄ core shell structure in alkaline media. Catalysis Science and Technology, 2019, 9, 2879-2887.	2.1	27
23	Co ₃ O ₄ / NiO bifunctional electrocatalyst for water splitting. Electrochimica Acta, 2019, 306, 9-17.	2.6	77
24	Facile Non-enzymatic Lactic Acid Sensor Based on Cobalt Oxide Nanostructures. Electroanalysis, 2019, 31, 1296-1303.	1.5	32
25	Facile efficient earth abundant NiO/C composite electrocatalyst for the oxygen evolution reaction. RSC Advances, 2019, 9, 5701-5710.	1.7	21
26	An advanced and efficient Co ₃ O ₄ /C nanocomposite for the oxygen evolution reaction in alkaline media. RSC Advances, 2019, 9, 34136-34143.	1.7	4
27	Efficient tri-metallic oxides NiCo ₂ O ₄ /CuO for the oxygen evolution reaction. RSC Advances, 2019, 9, 42387-42394.	1.7	9
28	The chemically reduced CuO-Co ₃ O ₄ composite as a highly efficient electrocatalyst for oxygen evolution reaction in alkaline media. Catalysis Science and Technology, 2019, 9, 6274-6284.	2.1	24
29	Effect of Heating Rate on Microstructural Developments in Cold Heading Quality Steel used for Automotive Applications. Mehran University Research Journal of Engineering and Technology, 2018, 37, 461-466.	0.3	5
30	Facile Co ₃ O ₄ nanoparticles deposited on polyvinylpyrrolidone for efficient water oxidation in alkaline media. Journal of the Chinese Chemical Society, 0, , .	0.8	0
31	Graphene-loaded nickel oxide nanocomposite as anode material for microbial fuel cell. Biomass Conversion and Biorefinery, 0, , 1.	2.9	0
32	Seawater Extracted MgO Doped Co ₃ O ₄ Composite for Electrochemical Water Splitting. Chemical Engineering and Technology, 0, , .	0.9	1
33	Utilization of polyvinyl amine hydrolysis product in enhancing the catalytic properties of Co ₃ O ₄ nanowires: toward potentiometric glucose bio-sensing application. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	0