

Kamran Dastafkan

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

932
citations

15
h-index

30
g-index

37
ext. papers

1,341
ext. citations

10.9
avg, IF

5.07
L-index

#	Paper	IF	Citations
36	Nanoadsorbents: classification, preparation, and applications (with emphasis on aqueous media). <i>Chemical Reviews</i> , 2013 , 113, 7728-68	68.1	353
35	Recent advances in spinel-type electrocatalysts for bifunctional oxygen reduction and oxygen evolution reactions. <i>Journal of Energy Chemistry</i> , 2021 , 53, 290-302	12	70
34	Lattice Matching Growth of Conductive Hierarchical Porous MOF/LDH Heteronanotube Arrays for Highly Efficient Water Oxidation. <i>Advanced Materials</i> , 2021 , 33, e2006351	24	47
33	In Situ Reconstruction of V-Doped Ni ₂ P Pre-Catalysts with Tunable Electronic Structures for Water Oxidation. <i>Advanced Functional Materials</i> , 2021 , 31, 2100614	15.6	42
32	Noble-Metal-Free Multicomponent Nanointegration for Sustainable Energy Conversion. <i>Chemical Reviews</i> , 2021 , 121, 10271-10366	68.1	41
31	Metal-Organic Framework-Derived Bimetallic NiFe Selenide Electrocatalysts with Multiple Phases for Efficient Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2047-2056	8.3	37
30	Carbon-based catalysts for electrochemical CO ₂ reduction. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2890-2906	9.6	36
29	Design of Electrocatalysts and Electrochemical Cells for Carbon Dioxide Reduction Reactions. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700377	6.8	34
28	Efficient Oxygen Evolution and Gas Bubble Release Achieved by a Low Gas Bubble Adhesive Iron-Nickel Vanadate Electrocatalyst. <i>Small</i> , 2020 , 16, e2002412	11	33
27	Design of Multi-Metallic-Based Electrocatalysts for Enhanced Water Oxidation. <i>ChemPhysChem</i> , 2019 , 20, 2936-2945	3.2	31
26	Enhanced surface wettability and innate activity of an iron borate catalyst for efficient oxygen evolution and gas bubble detachment. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 15252-15261	13	29
25	Design strategies for non-precious metal oxide electrocatalysts for oxygen evolution reactions. <i>Current Opinion in Electrochemistry</i> , 2018 , 10, 16-23	7.2	22
24	Silver nanoparticles for separation and preconcentration processes. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 64, 118-126	14.6	19
23	Removal of molybdenum using silver nanoparticles from water samples: Particle swarm optimization Artificial neural network. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 3014-3018	6.3	19
22	Zinc oxide nanocubes as a destructive nanoadsorbent for the neutralization chemistry of 2-chloroethyl phenyl sulfide: A sulfur mustard simulant. <i>Journal of Colloid and Interface Science</i> , 2016 , 478, 271-9	9.3	16
21	Silver nanoparticles attached to silica gel as a new solid phase adsorbent for preconcentration and determination of iron from biological samples. <i>Journal of Applied Spectroscopy</i> , 2012 , 79, 788-792	0.7	12
20	Mechanism and behavior of silver nanoparticles in aqueous medium as adsorbent. <i>Talanta</i> , 2015 , 144, 1377-86	6.2	11

19	Insights into post-annealing and silver doping effects on the internal microstructure of ZnO nanoparticles through X-ray diffraction probe. <i>Solid State Sciences</i> , 2017 , 69, 71-81	3.4	10
18	Thermal post-annealing and gas concentration effect on liquid petroleum gas sensing characteristics of nanocrystalline zinc oxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 3134-3142	2.1	10
17	Manganese dioxide nanoparticles-silver-Y zeolite as a nanocomposite catalyst for the decontamination reactions of O, S-diethyl methyl phosphonothiolate. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 905-918	3.3	9
16	Ni-based 3D hierarchical heterostructures achieved by selective electrodeposition as a bifunctional electrocatalyst for overall water splitting. <i>Electrochimica Acta</i> , 2021 , 379, 138042	6.7	9
15	Improved electrochemical performance of nickel-cobalt hydroxides by electrodeposition of interlayered reduced graphene oxide. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 3658-3667	6.7	8
14	Common Pitfalls of Reporting Electrocatalysts for Water Splitting. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 360-365	2.2	7
13	Crystallization and solid solution attainment of samarium doped ZnO nanorods via a combined ultrasonic-microwave irradiation approach. <i>Ultrasonics Sonochemistry</i> , 2018 , 42, 97-111	8.9	6
12	Sol-Gel Spin-Coating Followed by Solvothermal Synthesis of Nanorods-Based ZnO Thin Films: Microstructural, Optical, and Gas Sensing Properties. <i>Journal of Electronic Materials</i> , 2019 , 48, 1258-1267	7.9	5
11	Cosynergistic Molybdate Oxo-Anionic Modification of FeNi-Based Electrocatalysts for Efficient Oxygen Evolution Reaction. <i>Advanced Functional Materials</i> , 2107342	15.6	4
10	Recent trends in alkaline hydrogen evolution using nonprecious multi-metallic electrocatalysts. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020 , 25, 100342	7.9	4
9	Stable monovalent aluminum(i) in a reduced phosphomolybdate cluster as an active acid catalyst. <i>Chemical Science</i> , 2020 , 12, 1886-1890	9.4	3
8	Key factors for designing single-atom metal-nitrogen-carbon catalysts for electrochemical CO ₂ reduction. <i>Current Opinion in Electrochemistry</i> , 2021 , 100854	7.2	2
7	Solid solutions of gadolinium doped zinc oxide nanorods by combined microwave-ultrasonic irradiation assisted crystallization. <i>Solid State Sciences</i> , 2017 , 74, 152-167	3.4	1
6	Electrochemical Water Splitting 2021 , 533-555		1
5	Sea urchin-like NiMoO ₄ nanorod arrays as highly efficient bifunctional catalysts for electrocatalytic/photovoltage-driven urea electrolysis. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1267-1276	11.3	1
4	The nature of synergistic effects in transition metal oxides/in-situ intermediate-hydroxides for enhanced oxygen evolution reaction. <i>Current Opinion in Electrochemistry</i> , 2022 , 100987	7.2	0
3	Applying the X-ray diffraction analysis for estimating the height and width of nanorods in low symmetry crystal multiphase materials. <i>Journal of Crystal Growth</i> , 2017 , 478, 58-63	1.6	
2	2 D -Materials-Free Heterostructures for EC Energy Conversion 2022 , 3-51		

- 1 Preparation of Sodium Dodecyl Sulfate Coated Pyrrolidine-1-Dithiocarboxylic Acid Ammonium Modified Magnetite Nanoparticles for Magnetic Solid Phase Extraction of Lead from Water Samples. *Journal of Dispersion Science and Technology*, **2015**, 36, 1080-1090 1.5