

Kamran Dastafkan

List of Publications by Year in Descending Order

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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 | 2 D -Materials-Free Heterostructures for EC Energy Conversion 2022 , 3-51 | | |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Noble-Metal-Free Multicomponent Nanointegration for Sustainable Energy Conversion. <i>Chemical Reviews</i> , 2021 , 121, 10271-10366 | 68.1 | 41 |
| 29 | 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 |
| 28 | 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 |
| 27 | Electrochemical Water Splitting 2021 , 533-555 | | 1 |
| 26 | MetalOrganic 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 |
| 25 | 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 |
| 24 | Common Pitfalls of Reporting Electrocatalysts for Water Splitting. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 360-365 | 2.2 | 7 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | Carbon-based catalysts for electrochemical CO ₂ reduction. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 2890-2906 | 29.6 | 36 |

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|----|--|------|-----|
| 19 | Design of Multi-Metallic-Based Electrocatalysts for Enhanced Water Oxidation. <i>ChemPhysChem</i> , 2019 , 20, 2936-2945 | 3.2 | 31 |
| 18 | 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 | 1.9 | 5 |
| 17 | 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 |
| 16 | Design of Electrocatalysts and Electrochemical Cells for Carbon Dioxide Reduction Reactions. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700377 | 6.8 | 34 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 | |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Silver nanoparticles for separation and preconcentration processes. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 64, 118-126 | 14.6 | 19 |
| 6 | Mechanism and behavior of silver nanoparticles in aqueous medium as adsorbent. <i>Talanta</i> , 2015 , 144, 1377-86 | 6.2 | 11 |
| 5 | Preparation of Sodium Dodecyl Sulfate Coated Pyrrolidine-1-Dithiocarboxylic Acid Ammonium Modified Magnetite Nanoparticles for Magnetic Solid Phase Extraction of Lead from Water Samples. <i>Journal of Dispersion Science and Technology</i> , 2015 , 36, 1080-1090 | 1.5 | |
| 4 | 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 |
| 3 | Nanoadsorbents: classification, preparation, and applications (with emphasis on aqueous media). <i>Chemical Reviews</i> , 2013 , 113, 7728-68 | 68.1 | 353 |
| 2 | 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 |

- 1 Cosynergistic Molybdate Oxo-Anionic Modification of FeNi-Based Electrocatalysts for Efficient Oxygen Evolution Reaction. *Advanced Functional Materials*, 2107342 15.6 4