

Maryam Kiani

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Recent developments in electrocatalysts and future prospects for oxygen reduction reaction in polymer electrolyte membrane fuel cells. <i>Journal of Energy Chemistry</i> , 2018, 27, 1124-1139.	12.9	89
2	Fabrication of high-activity hybrid NiTiO ₃ /g-C ₃ N ₄ heterostructured photocatalysts for water splitting to enhanced hydrogen production. <i>Ceramics International</i> , 2016, 42, 12297-12305.	4.8	73
3	Non-precious metal electrocatalysts design for oxygen reduction reaction in polymer electrolyte membrane fuel cells: Recent advances, challenges and future perspectives. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213954.	18.8	63
4	Synthesis of MOF-Derived Nonprecious Catalyst with High Electrocatalytic Activity for Oxygen Reduction Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12087-12095.	3.7	45
5	Fe-doped mayenite electride composite with 2D reduced Graphene Oxide: As a non-platinum based, highly durable electrocatalyst for Oxygen Reduction Reaction. <i>Scientific Reports</i> , 2019, 9, 19809.	3.3	38
6	Facile synthesis of a BiFeO ₃ /nitrogen-doped graphene nanocomposite system with enhanced photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 121, 8-16.	4.0	27
7	Facile synthesis of flower-like platinum nanostructures as an efficient electrocatalyst for methanol electro-oxidation. <i>Journal of Colloid and Interface Science</i> , 2016, 479, 64-70.	9.4	26
8	Facile synthesis of Gd and Sn co-doped BiFeO ₃ supported on nitrogen doped graphene for enhanced photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 130, 222-229.	4.0	22
9	Facile synthesis and enhanced catalytic activity of electrochemically dealloyed platinum-nickel nanoparticles towards formic acid electro-oxidation. <i>Journal of Energy Chemistry</i> , 2019, 35, 9-16.	12.9	21
10	Hexagonal layered group IV-VI semiconductors and derivatives: fresh blood of the 2D family. <i>Nanoscale</i> , 2020, 12, 13450-13459.	5.6	20
11	Two-Dimensional Nanomaterials for the Development of Efficient Gas Sensors: Recent Advances, Challenges, and Future Perspectives. <i>Advanced Materials Technologies</i> , 2022, 7, 2101252.	5.8	20
12	Controlled decoration of Pd on Ni(OH) ₂ nanoparticles by atomic layer deposition for high ethanol oxidation activity. <i>Applied Surface Science</i> , 2017, 420, 214-221.	6.1	19
13	Spinel nickel ferrite nanoparticles supported on nitrogen doped graphene as efficient electrocatalyst for oxygen reduction in fuel cells. <i>Materials Express</i> , 2017, 7, 261-272.	0.5	17
14	Controllable synthesis of two-dimensional tungsten nitride nanosheets as electrocatalysts for oxygen reduction reaction. <i>Science China Materials</i> , 2018, 61, 1567-1574.	6.3	16
15	A first principle study: Effect of tin substitution on magnetic properties of bismuth ferrite nanoparticles prepared by sol-gel synthesis method. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108483.	3.9	16
16	Optimization of process on electrodeposition of 4N tellurium from alkaline leaching solutions. <i>Hydrometallurgy</i> , 2018, 176, 17-25.	4.3	15
17	Facile synthesis of magnesium ferrite nanoparticles supported on nitrogen and sulfur co-doped carbon black as an efficient electrocatalyst for oxygen reduction reaction. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	15
18	Single atom based electrocatalysts for oxygen reduction reaction in polymer electrolyte membrane fuel cell: Recent advances, challenges and future perspectives. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 153, 109989.	4.0	14

#	ARTICLE	IF	CITATIONS
19	Structural and Magnetoresistance Properties of Transfer-Free Amorphous Carbon Thin Films. Crystals, 2019, 9, 124.	2.2	10
20	Electronic and Magnetic Diversity of Graphone/Graphene Superlattices. Chemistry of Materials, 2021, 33, 2090-2098.	6.7	5
21	Critical behavior and phase diagram of layered ferromagnetic $\text{FeTaMn}_3\text{S}_6$ single crystals. Physical Review B, 2022, 105, .	3.2	5