

Dezhi Wang

List of Publications by Year in Descending Order

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Version: 2024-04-26

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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.

45
papers

1,704
citations

19
h-index

41
g-index

48
ext. papers

2,080
ext. citations

5.6
avg, IF

5.15
L-index

#	Paper	IF	Citations
45	Effect of Na Doping on the Photocatalytic Hydrogen Production of Ferroelectric K _{1-x} Na _x NbO ₃ Nanofibers. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 3957-3966	3.8	0
44	Highly Efficient Electrocatalytic N Reduction to Ammonia over Metallic 1T Phase of MoS Enabled by Active Sites Separation Mechanism. <i>Advanced Science</i> , 2021 , e2103583	13.6	2
43	High-Performance MoC Electrocatalyst for Hydrogen Evolution Reaction Enabled by Surface Sulfur Substitution. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 40705-40712	9.5	7
42	A Novel Non-Equiatomic (W ₃₅ Ta ₃₅ Mo ₁₅ Nb ₁₅) ₉₅ Ni ₅ Refractory High Entropy Alloy with High Density Fabricated by Powder Metallurgical Process. <i>Metals</i> , 2020 , 10, 1436	2.3	1
41	Tungsten-decorated MoP nanobelts for boosted hydrogen production. <i>Materials Research Express</i> , 2020 , 7, 015506	1.7	
40	Property of TiO ₂ -15MgAl ₂ O ₄ Electrical-Heating Coating Prepared by Atmospheric Plasma Spraying and Hydrogen Heat Treatment. <i>Coatings</i> , 2020 , 10, 177	2.9	1
39	Selective recovery of lithium and iron phosphate/carbon from spent lithium iron phosphate cathode material by anionic membrane slurry electrolysis. <i>Waste Management</i> , 2020 , 107, 1-8	8.6	20
38	Microstructures and properties of 90W-4Ni-6Mn alloy prepared by vacuum sintering. <i>Materials Research Express</i> , 2020 , 7, 036522	1.7	0
37	Modulating electronic structures of holey Mo ₂ N nanobelts by sulfur decoration for enhanced hydrogen generation. <i>Electrochimica Acta</i> , 2020 , 364, 137219	6.7	1
36	Boosted mechanical properties of sintered MoLa alloys with ultrafine-grains by the nanostructuring of secondary phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 798, 140270	5.3	0
35	Recovery of Lithium and Manganese from Scrap LiMn ₂ O ₄ by Slurry Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 16738-16746	8.3	28
34	Effect of K:Ba ratio on energy storage properties of strontium barium potassium niobate-glass ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 19262-19269	2.1	4
33	Structure and phase regulation in Mo _x C (MoC _{1-x} /Mo ₂ C) to enhance hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 247, 78-85	21.8	72
32	Facile synthesis of MoP/MoO ₂ heterostructures for efficient hydrogen generation. <i>Materials Letters</i> , 2019 , 241, 227-230	3.3	12
31	Amorphous phosphorus-doped MoS catalyst for efficient hydrogen evolution reaction. <i>Nanotechnology</i> , 2019 , 30, 205401	3.4	17
30	Dual-ion intercalated 1T/2H MoS ₂ with expanded interlayers as supercapacitor electrode materials. <i>Materials Research Express</i> , 2019 , 6, 085534	1.7	3
29	A facile preparation of WS ₂ nanosheets as a highly effective HER catalyst. <i>Tungsten</i> , 2019 , 1, 101-109	4.6	12

28	Template-free synthesis of porous Mo ₃ P/MoP nanobelts as efficient catalysts for hydrogen generation. <i>Applied Surface Science</i> , 2019 , 493, 740-746	6.7	12
27	MoS ₂ /Cu ₂ O nanohybrid as a highly efficient catalyst for the photoelectrocatalytic hydrogen generation. <i>Materials Letters</i> , 2019 , 256, 126622	3.3	2
26	Boron triggers the phase transformation of Mo C (EMoC /EMoC) for enhanced hydrogen production. <i>Nanotechnology</i> , 2019 , 31, 105707	3.4	3
25	Synthesis of high-performance Mo ₁₁ A ₂ O ₃ powder by hydrogen reduction of MoO ₂ originated from a self-reduction strategy. <i>Materials Research Express</i> , 2019 , 6, 126586	1.7	3
24	Sintering Behavior and Properties of Mo-Cu Composites. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-7	1.5	2
23	N, P (S) Co-doped Mo ₂ C/C hybrid electrocatalysts for improved hydrogen generation. <i>Carbon</i> , 2018 , 139, 845-852	10.4	55
22	Preparation and Characterization of MoB Coating on Mo Substrate. <i>Metals</i> , 2018 , 8, 93	2.3	2
21	In Situ Preparation of Mo ₂ C Nanoparticles Embedded in Ketjenblack Carbon as Highly Efficient Electrocatalysts for Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 983-990	8.3	54
20	Hierarchical Mo ₂ C/C Scaffolds Organized by Nanosheets as Highly Efficient Electrocatalysts for Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 13995-14003	8.3	17
19	Effect of Yb ₂ O ₃ content on dielectric and energy-storage properties of lead-free niobate glass/ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 19238-19244	2.1	4
18	Oxygen-incorporated defect-rich MoP for highly efficient hydrogen production in both acidic and alkaline media. <i>Electrochimica Acta</i> , 2018 , 281, 540-548	6.7	37
17	Swollen Ammoniated MoS ₂ with 1T/2H Hybrid Phases for High-Rate Electrochemical Energy Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 2509-2515	8.3	142
16	N-doped MoP nanoparticles for improved hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14566-14571	6.7	62
15	Enhanced hydrogen evolution from the MoP/C hybrid by the modification of Ketjen Black. <i>Journal of Materials Science</i> , 2017 , 52, 3337-3343	4.3	20
14	Phase engineering of a multiphasic 1T/2H MoS ₂ catalyst for highly efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2681-2688	13	262
13	Simple approach to induce solid-state oriented growth of MoO ₃ microrods. <i>Micro and Nano Letters</i> , 2016 , 11, 102-104	0.9	
12	Ni-doped MoS ₂ nanoparticles as highly active hydrogen evolution electrocatalysts. <i>RSC Advances</i> , 2016 , 6, 16656-16661	3.7	102
11	Hydrogen evolution catalyzed by cobalt-promoted molybdenum phosphide nanoparticles. <i>Catalysis Science and Technology</i> , 2016 , 6, 1952-1956	5.5	61

10	Influence of Carbon on Molybdenum Carbide Catalysts for the Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2016 , 8, 1961-1967	5.2	27
9	Enhanced hydrogen evolution catalysis from osmotically swollen ammoniated MoS ₂ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13050-13056	13	119
8	Sulfur-Decorated Molybdenum Carbide Catalysts for Enhanced Hydrogen Evolution. <i>ACS Catalysis</i> , 2015 , 5, 6956-6963	13.1	182
7	Effect of Annealing Temperature on Co-MoS ₂ Nanosheets for Hydrodesulfurization of Dibenzothiophene. <i>Catalysis Letters</i> , 2014 , 144, 261-267	2.8	16
6	Hydrothermal synthesis of MoS ₂ nanoflowers as highly efficient hydrogen evolution reaction catalysts. <i>Journal of Power Sources</i> , 2014 , 264, 229-234	8.9	220
5	Combining Diffusion Bonding With Rolling to Manufacture CPC Composites With High Bond Strength for Electronic Packaging Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014 , 4, 4-7	1.7	1
4	Hydrogen generation by splitting water with AlNi alloys. <i>International Journal of Energy Research</i> , 2013 , 37, 1624-1634	4.5	26
3	Surfactant-assisted fabrication of MoS ₂ nanospheres. <i>Journal of Materials Science</i> , 2010 , 45, 182-187	4.3	41
2	Preparation and Tribological Properties of MoS ₂ Nanosheets. <i>Advanced Engineering Materials</i> , 2010 , 12, 534-538	3.5	51
1	Relation between doping and texture and property of tantalum bar and wire. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009 , 24, 278-282	1	