Dezhi Wang

List of Publications by Year
in descending order

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48	2,404	304602 22	243529 44
papers	citations	h-index	g-index

48	48	48	3606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Phase engineering of a multiphasic 1T/2H MoS₂ catalyst for highly efficient hydrogen evolution. Journal of Materials Chemistry A, 2017, 5, 2681-2688.	5.2	391
2	Hydrothermal synthesis of MoS2 nanoflowers as highly efficient hydrogen evolution reaction catalysts. Journal of Power Sources, 2014, 264, 229-234.	4.0	271
3	Sulfur-Decorated Molybdenum Carbide Catalysts for Enhanced Hydrogen Evolution. ACS Catalysis, 2015, 5, 6956-6963.	5.5	208
4	Swollen Ammoniated MoS₂ with 1T/2H Hybrid Phases for High-Rate Electrochemical Energy Storage. ACS Sustainable Chemistry and Engineering, 2017, 5, 2509-2515.	3.2	194
5	Enhanced hydrogen evolution catalysis from osmotically swollen ammoniated MoS₂. Journal of Materials Chemistry A, 2015, 3, 13050-13056.	5.2	140
6	Ni-doped MoS₂ nanoparticles as highly active hydrogen evolution electrocatalysts. RSC Advances, 2016, 6, 16656-16661.	1.7	124
7	Structure and phase regulation in MoxC (Î±-MoC1-xÎ²-Mo2C) to enhance hydrogen evolution. Applied Catalysis B: Environmental, 2019, 247, 78-85.	10.8	123
8	N, P (S) Co-doped Mo2C/C hybrid electrocatalysts for improved hydrogen generation. Carbon, 2018, 139, 845-852.	5.4	97
9	In Situ Preparation of Mo₂C Nanoparticles Embedded in Ketjenblack Carbon as Highly Efficient Electrocatalysts for Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2018, 6, 983-990.	3.2	83
10	N-doped MoP nanoparticles for improved hydrogen evolution. International Journal of Hydrogen Energy, 2017, 42, 14566-14571.	3.8	74
11	Hydrogen evolution catalyzed by cobalt-promoted molybdenum phosphide nanoparticles. Catalysis Science and Technology, 2016, 6, 1952-1956.	2.1	72
12	Preparation and Tribological Properties of MoS₂ Nanosheets. Advanced Engineering Materials, 2010, 12, 534-538.	1.6	62
13	Selective recovery of lithium and iron phosphate/carbon from spent lithium iron phosphate cathode material by anionic membrane slurry electrolysis. Waste Management, 2020, 107, 1-8.	3.7	54
14	Recovery of Lithium and Manganese from Scrap LiMn₂O₄ by Slurry Electrolysis. ACS Sustainable Chemistry and Engineering, 2019, 7, 16738-16746.	3.2	53
15	High-Performance MoC Electrocatalyst for Hydrogen Evolution Reaction Enabled by Surface Sulfur Substitution. ACS Applied Materials & Interfaces, 2021, 13, 40705-40712.	4.0	51
16	Surfactant-assisted fabrication of MoS2 nanospheres. Journal of Materials Science, 2010, 45, 182-187.	1.7	47
17	Oxygen-incorporated defect-rich MoP for highly efficient hydrogen production in both acidic and alkaline media. Electrochimica Acta, 2018, 281, 540-548.	2.6	44
18	Hydrogen generation by splitting water with Al-Li alloys. International Journal of Energy Research, 2013, 37, 1624-1634.	2.2	32

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19	Influence of Carbon on Molybdenum Carbide Catalysts for the Hydrogen Evolution Reaction. ChemCatChem, 2016, 8, 1961-1967.	1.8	32
20	Highly Efficient Electrocatalytic N₂ Reduction to Ammonia over Metallic 1T Phase of MoS₂ Enabled by Active Sites Separation Mechanism. Advanced Science, 2022, 9, e2103583.	5.6	31
21	Hierarchical Mo₂C/C Scaffolds Organized by Nanosheets as Highly Efficient Electrocatalysts for Hydrogen Production. ACS Sustainable Chemistry and Engineering, 2018, 6, 13995-14003.	3.2	26
22	Amorphous phosphorus-doped MoS₂ catalyst for efficient hydrogen evolution reaction. Nanotechnology, 2019, 30, 205401.	1.3	25
23	Enhanced hydrogen evolution from the MoP/C hybrid by the modification of Ketjen Black. Journal of Materials Science, 2017, 52, 3337-3343.	1.7	22
24	Effect of Annealing Temperature on Coâ€“MoS2 Nanosheets for Hydrodesulfurization of Dibenzothiophene. Catalysis Letters, 2014, 144, 261-267.	1.4	19
25	Facile synthesis of MoP/MoO2 heterostructures for efficient hydrogen generation. Materials Letters, 2019, 241, 227-230.	1.3	19
26	A facile preparation of WS2 nanosheets as a highly effective HER catalyst. Tungsten, 2019, 1, 101-109.	2.0	19
27	Template-free synthesis of porous Mo3P/MoP nanobelts as efficient catalysts for hydrogen generation. Applied Surface Science, 2019, 493, 740-746.	3.1	16
28	Modulating electronic structures of holey Mo2N nanobelts by sulfur decoration for enhanced hydrogen generation. Electrochimica Acta, 2020, 364, 137219.	2.6	8
29	Effect of Yb2O3 content on dielectric and energy-storage properties of lead-free niobate glassâ€“ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 19238-19244.	1.1	6
30	Sintering Behavior and Properties of Mo-Cu Composites. Advances in Materials Science and Engineering, 2018, 2018, 1-7.	1.0	6
31	Boron triggers the phase transformation of Mo _x C (Î±-MoC<sub>1â^'x) Tj ETQq1 1 0.784314 rgBT /O 105707.	1.3	6
32	A Novel Non-Equiatomic (W35Ta35Mo15Nb15)95Ni5 Refractory High Entropy Alloy with High Density Fabricated by Powder Metallurgical Process. Metals, 2020, 10, 1436.	1.0	6
33	MoS2/Cu2O nanohybrid as a highly efficient catalyst for the photoelectrocatalytic hydrogen generation. Materials Letters, 2019, 256, 126622.	1.3	5
34	Synthesis of high-performance Moâ€“La2O3 powder by hydrogen reduction of MoO2 originated from a self-reduction strategy. Materials Research Express, 2019, 6, 126586.	0.8	5
35	Construction of FeS₂@MoS₂ heterostructures for enhanced hydrogen evolution. Sustainable Energy and Fuels, 2022, 6, 2243-2248.	2.5	5
36	Effect of K:Ba ratio on energy storage properties of strontium barium potassium niobate-glass ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 19262-19269.	1.1	4

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37	Dual-ion intercalated 1T/2H MoS2 with expanded interlayers as supercapacitor electrode materials. Materials Research Express, 2019, 6, 085534.	0.8	4
38	Mn, P Co doped Sharp-edged Mo2C Nanosheets Anchored on Porous Carbon for Efficient Electrocatalytic Hydrogen Evolution. Sustainable Energy and Fuels, 0, , .	2.5	4
39	Microstructures and properties of 90W-4Ni-6Mn alloy prepared by vacuum sintering. Materials Research Express, 2020, 7, 036522.	0.8	3
40	Mn boosted the electrocatalytic hydrogen evolution of N, P co-doped Mo₂C via synergistically tuning the electronic structures. Sustainable Energy and Fuels, 2022, 6, 3363-3370.	2.5	3
41	Combining Diffusion Bonding With Rolling to Manufacture CPC Composites With High Bond Strength for Electronic Packaging Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 4-7.	1.4	2
42	Preparation and Characterization of MoB Coating on Mo Substrate. Metals, 2018, 8, 93.	1.0	2
43	Boosted mechanical properties of sintered MoLa alloys with ultrafine-grains by the nanostructuring of secondary phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 798, 140270.	2.6	2
44	Property of TiO2-15MgAl2O4 Electrical-Heating Coating Prepared by Atmospheric Plasma Spraying and Hydrogen Heat Treatment. Coatings, 2020, 10, 177.	1.2	2
45	Effect of Na Doping on the Photocatalytic Hydrogen Production of Ferroelectric K_{1-x}Na_xNbO₃ Nanofibers. Journal of Physical Chemistry C, 2022, 126, 3957-3966.	1.5	2
46	Relation between doping and texture and property of tantalum bar and wire. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 278-282.	0.4	0
47	Simple approach to induce solidâ€state oriented growth of MoO ₃ microrods. Micro and Nano Letters, 2016, 11, 102-104.	0.6	0
48	Tungsten-decorated MoP nanobelts for boosted hydrogen production. Materials Research Express, 2020, 7, 015506.	0.8	0