

# Dezhi Wang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8834196/dezhi-wang-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Phase engineering of a multiphasic 1T/2H MoS <sub>2</sub> catalyst for highly efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 2681-2688	13	262
44	Hydrothermal synthesis of MoS <sub>2</sub> nanoflowers as highly efficient hydrogen evolution reaction catalysts. <i>Journal of Power Sources</i> , <b>2014</b> , 264, 229-234	8.9	220
43	Sulfur-Decorated Molybdenum Carbide Catalysts for Enhanced Hydrogen Evolution. <i>ACS Catalysis</i> , <b>2015</b> , 5, 6956-6963	13.1	182
42	Swollen Ammoniated MoS <sub>2</sub> with 1T/2H Hybrid Phases for High-Rate Electrochemical Energy Storage. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 2509-2515	8.3	142
41	Enhanced hydrogen evolution catalysis from osmotically swollen ammoniated MoS <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13050-13056	13	119
40	Ni-doped MoS <sub>2</sub> nanoparticles as highly active hydrogen evolution electrocatalysts. <i>RSC Advances</i> , <b>2016</b> , 6, 16656-16661	3.7	102
39	Structure and phase regulation in Mo <sub>x</sub> C (xMoC <sub>1-x</sub> /Mo <sub>2</sub> C) to enhance hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 247, 78-85	21.8	72
38	N-doped MoP nanoparticles for improved hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 14566-14571	6.7	62
37	Hydrogen evolution catalyzed by cobalt-promoted molybdenum phosphide nanoparticles. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1952-1956	5.5	61
36	N, P (S) Co-doped Mo <sub>2</sub> C/C hybrid electrocatalysts for improved hydrogen generation. <i>Carbon</i> , <b>2018</b> , 139, 845-852	10.4	55
35	In Situ Preparation of Mo <sub>2</sub> C Nanoparticles Embedded in Ketjenblack Carbon as Highly Efficient Electrocatalysts for Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 983-990	8.3	54
34	Preparation and Tribological Properties of MoS <sub>2</sub> Nanosheets. <i>Advanced Engineering Materials</i> , <b>2010</b> , 12, 534-538	3.5	51
33	Surfactant-assisted fabrication of MoS <sub>2</sub> nanospheres. <i>Journal of Materials Science</i> , <b>2010</b> , 45, 182-187	4.3	41
32	Oxygen-incorporated defect-rich MoP for highly efficient hydrogen production in both acidic and alkaline media. <i>Electrochimica Acta</i> , <b>2018</b> , 281, 540-548	6.7	37
31	Recovery of Lithium and Manganese from Scrap LiMn <sub>2</sub> O <sub>4</sub> by Slurry Electrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16738-16746	8.3	28
30	Influence of Carbon on Molybdenum Carbide Catalysts for the Hydrogen Evolution Reaction. <i>ChemCatChem</i> , <b>2016</b> , 8, 1961-1967	5.2	27
29	Hydrogen generation by splitting water with Al <sub>3</sub> alloys. <i>International Journal of Energy Research</i> , <b>2013</b> , 37, 1624-1634	4.5	26

28	Enhanced hydrogen evolution from the MoP/C hybrid by the modification of Ketjen Black. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 3337-3343	4.3	20
27	Selective recovery of lithium and iron phosphate/carbon from spent lithium iron phosphate cathode material by anionic membrane slurry electrolysis. <i>Waste Management</i> , <b>2020</b> , 107, 1-8	8.6	20
26	Amorphous phosphorus-doped MoS catalyst for efficient hydrogen evolution reaction. <i>Nanotechnology</i> , <b>2019</b> , 30, 205401	3.4	17
25	Hierarchical Mo <sub>2</sub> C/C Scaffolds Organized by Nanosheets as Highly Efficient Electrocatalysts for Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 13995-14003	8.3	17
24	Effect of Annealing Temperature on CoMoS <sub>2</sub> Nanosheets for Hydrodesulfurization of Dibenzothiophene. <i>Catalysis Letters</i> , <b>2014</b> , 144, 261-267	2.8	16
23	Facile synthesis of MoP/MoO <sub>2</sub> heterostructures for efficient hydrogen generation. <i>Materials Letters</i> , <b>2019</b> , 241, 227-230	3.3	12
22	A facile preparation of WS <sub>2</sub> nanosheets as a highly effective HER catalyst. <i>Tungsten</i> , <b>2019</b> , 1, 101-109	4.6	12
21	Template-free synthesis of porous Mo <sub>3</sub> P/MoP nanobelts as efficient catalysts for hydrogen generation. <i>Applied Surface Science</i> , <b>2019</b> , 493, 740-746	6.7	12
20	High-Performance MoC Electrocatalyst for Hydrogen Evolution Reaction Enabled by Surface Sulfur Substitution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 40705-40712	9.5	7
19	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> , <b>2019</b> , 30, 19262-19269	2.1	4
18	Effect of Yb <sub>2</sub> O <sub>3</sub> content on dielectric and energy-storage properties of lead-free niobate glass/ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 19238-19244	2.1	4
17	Dual-ion intercalated 1T/2H MoS <sub>2</sub> with expanded interlayers as supercapacitor electrode materials. <i>Materials Research Express</i> , <b>2019</b> , 6, 085534	1.7	3
16	Boron triggers the phase transformation of Mo C (EMoC /EMoC) for enhanced hydrogen production. <i>Nanotechnology</i> , <b>2019</b> , 31, 105707	3.4	3
15	Synthesis of high-performance MoLa <sub>2</sub> O <sub>3</sub> powder by hydrogen reduction of MoO <sub>2</sub> originated from a self-reduction strategy. <i>Materials Research Express</i> , <b>2019</b> , 6, 126586	1.7	3
14	Sintering Behavior and Properties of Mo-Cu Composites. <i>Advances in Materials Science and Engineering</i> , <b>2018</b> , 2018, 1-7	1.5	2
13	Preparation and Characterization of MoB Coating on Mo Substrate. <i>Metals</i> , <b>2018</b> , 8, 93	2.3	2
12	MoS <sub>2</sub> /Cu <sub>2</sub> O nanohybrid as a highly efficient catalyst for the photoelectrocatalytic hydrogen generation. <i>Materials Letters</i> , <b>2019</b> , 256, 126622	3.3	2
11	Highly Efficient Electrocatalytic N Reduction to Ammonia over Metallic 1T Phase of MoS Enabled by Active Sites Separation Mechanism. <i>Advanced Science</i> , <b>2021</b> , e2103583	13.6	2

10	A Novel Non-Equiatomic (W35Ta35Mo15Nb15)95Ni5 Refractory High Entropy Alloy with High Density Fabricated by Powder Metallurgical Process. <i>Metals</i> , <b>2020</b> , 10, 1436	2.3	1
9	Property of TiO <sub>2</sub> -15MgAl <sub>2</sub> O <sub>4</sub> Electrical-Heating Coating Prepared by Atmospheric Plasma Spraying and Hydrogen Heat Treatment. <i>Coatings</i> , <b>2020</b> , 10, 177	2.9	1
8	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> , <b>2014</b> , 4, 4-7	1.7	1
7	Modulating electronic structures of holey Mo <sub>2</sub> N nanobelts by sulfur decoration for enhanced hydrogen generation. <i>Electrochimica Acta</i> , <b>2020</b> , 364, 137219	6.7	1
6	Microstructures and properties of 90W-4Ni-6Mn alloy prepared by vacuum sintering. <i>Materials Research Express</i> , <b>2020</b> , 7, 036522	1.7	0
5	Boosted mechanical properties of sintered MoLa alloys with ultrafine-grains by the nanostructuring of secondary phase. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2020</b> , 798, 140270	5.3	0
4	Effect of Na Doping on the Photocatalytic Hydrogen Production of Ferroelectric K <sub>1-x</sub> Na <sub>x</sub> NbO <sub>3</sub> Nanofibers. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 3957-3966	3.8	0
3	Tungsten-decorated MoP nanobelts for boosted hydrogen production. <i>Materials Research Express</i> , <b>2020</b> , 7, 015506	1.7	
2	Simple approach to induce solid-state oriented growth of MoO <sub>3</sub> microrods. <i>Micro and Nano Letters</i> , <b>2016</b> , 11, 102-104	0.9	
1	Relation between doping and texture and property of tantalum bar and wire. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2009</b> , 24, 278-282	1	