

Yan-Mei Shi

List of Publications by Citations

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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.

44
papers

5,426
citations

25
h-index

50
g-index

50
ext. papers

6,657
ext. citations

12.1
avg, IF

6.78
L-index

#	Paper	IF	Citations
44	Recent advances in transition metal phosphide nanomaterials: synthesis and applications in hydrogen evolution reaction. <i>Chemical Society Reviews</i> , 2016 , 45, 1529-41	58.5	2040
43	Anion-exchange synthesis of nanoporous FeP nanosheets as electrocatalysts for hydrogen evolution reaction. <i>Chemical Communications</i> , 2013 , 49, 6656-8	5.8	388
42	Metallic WO ₂ -Carbon Mesoporous Nanowires as Highly Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6983-6	16.4	382
41	Ni ₃ Se ₂ nanoforest/Ni foam as a hydrophilic, metallic, and self-supported bifunctional electrocatalyst for both H ₂ and O ₂ generations. <i>Nano Energy</i> , 2016 , 24, 103-110	17.1	297
40	Synthesis of ultrathin CdS nanosheets as efficient visible-light-driven water splitting photocatalysts for hydrogen evolution. <i>Chemical Communications</i> , 2013 , 49, 9803-5	5.8	264
39	Ni ₂ P nanosheets/Ni foam composite electrode for long-lived and pH-tolerable electrochemical hydrogen generation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2376-84	9.5	195
38	Self-template-directed synthesis of porous perovskite nanowires at room temperature for high-performance visible-light photodetectors. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5693-6	16.4	176
37	Synergetic Transformation of Solid Inorganic-Organic Hybrids into Advanced Nanomaterials for Catalytic Water Splitting. <i>Accounts of Chemical Research</i> , 2018 , 51, 1711-1721	24.3	163
36	Engineering Sulfur Defects, Atomic Thickness, and Porous Structures into Cobalt Sulfide Nanosheets for Efficient Electrocatalytic Alkaline Hydrogen Evolution. <i>ACS Catalysis</i> , 2018 , 8, 8077-8083	13.1	148
35	In Situ Electrochemical Conversion of an Ultrathin Tannin Nickel Iron Complex Film as an Efficient Oxygen Evolution Reaction Electrocatalyst. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3769-3773	16.4	144
34	Recent advances in nanostructured transition metal phosphides: synthesis and energy-related applications. <i>Energy and Environmental Science</i> , 2020 , 13, 4564-4582	35.4	116
33	Hydrogen evolution activity enhancement by tuning the oxygen vacancies in self-supported mesoporous spinel oxide nanowire arrays. <i>Nano Research</i> , 2018 , 11, 603-613	10	102
32	Unveiling the Promotion of Surface-Adsorbed Chalcogenate on the Electrocatalytic Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22470-22474	16.4	93
31	In situ electrochemically converting Fe ₂ O ₃ -Ni(OH) ₂ to NiFe ₂ O ₄ -NiOOH: a highly efficient electrocatalyst towards water oxidation. <i>Science China Materials</i> , 2017 , 60, 324-334	7.1	89
30	Boosting Photoelectrochemical Water Oxidation Activity and Stability of Mo-Doped BiVO ₄ through the Uniform Assembly Coating of NiFe ₂ O ₄ Phenolic Networks. <i>ACS Energy Letters</i> , 2018 , 3, 1648-1654	20.1	72
29	Unveiling hydrocerussite as an electrochemically stable active phase for efficient carbon dioxide electroreduction to formate. <i>Nature Communications</i> , 2020 , 11, 3415	17.4	61
28	Self-Floating Carbonized Tissue Membrane Derived from Commercial Facial Tissue for Highly Efficient Solar Steam Generation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2911-2915	8.3	59

27	Unveiling in situ evolved In/In ₂ O ₃ heterostructure as the active phase of In ₂ O ₃ toward efficient electroreduction of CO ₂ to formate. <i>Science Bulletin</i> , 2020 , 65, 1547-1554	10.6	52
26	Unveiling the In Situ Dissolution and Polymerization of Mo in Ni Mo Alloy for Promoting the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7051-7055	16.4	51
25	Design of continuous built-in band bending in self-supported CdS nanorod-based hierarchical architecture for efficient photoelectrochemical hydrogen production. <i>Nano Energy</i> , 2018 , 43, 236-243	17.1	45
24	Self-Template-Directed Synthesis of Porous Perovskite Nanowires at Room Temperature for High-Performance Visible-Light Photodetectors. <i>Angewandte Chemie</i> , 2015 , 127, 5785-5788	3.6	42
23	N-doped graphene wrapped hexagonal metallic cobalt hierarchical nanosheet as a highly efficient water oxidation electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8897-8902	13	41
22	Adjusting the electronic structure by Ni incorporation: a generalized in situ electrochemical strategy to enhance water oxidation activity of oxyhydroxides. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13336-13340	13	38
21	Amorphous nanomaterials in electrocatalytic water splitting. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1287-1296	11.96	30
20	In Situ Electrochemical Conversion of an Ultrathin Tannin Nickel Iron Complex Film as an Efficient Oxygen Evolution Reaction Electrocatalyst. <i>Angewandte Chemie</i> , 2019 , 131, 3809-3813	3.6	21
19	Unveiling the Activity Origin of Iron Nitride as Catalytic Material for Efficient Hydrogenation of CO to C Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4496-4500	16.4	21
18	Engineering transition metal phosphide nanomaterials as highly active electrocatalysts for water splitting. <i>Dalton Transactions</i> , 2017 , 46, 16770-16773	4.3	20
17	Unveiling the Promotion of Surface-Adsorbed Chalcogenate on the Electrocatalytic Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2020 , 132, 22656-22660	3.6	18
16	Self-assembled synthesis of hierarchical Zn ₂ GeO ₄ core-shell microspheres with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2015 , 44, 75-82	4.3	17
15	Converting copper sulfide to copper with surface sulfur for electrocatalytic alkyne semi-hydrogenation with water. <i>Nature Communications</i> , 2021 , 12, 3881	17.4	17
14	Electrosynthesis of Syngas via the Co-Reduction of CO ₂ and H ₂ O. <i>Cell Reports Physical Science</i> , 2020 , 1, 100237	6.1	16
13	Temperature-regulated reversible transformation of spinel-to-oxyhydroxide active species for electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1631-1635	13	16
12	Direct Electrosynthesis of Urea from Carbon Dioxide and Nitric Oxide. <i>ACS Energy Letters</i> , 2022 , 7, 284-290	11.1	15
11	Boosting ethanol electrooxidation via photothermal effect over palladium/reduced graphene oxide. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18426-18429	13	12
10	Hollow cobalt sulfide nanocapsules for electrocatalytic selective transfer hydrogenation of cinnamaldehyde with water. <i>Cell Reports Physical Science</i> , 2021 , 2, 100337	6.1	11

9	Diethylenetriamine-assisted hydrothermal synthesis of dodecahedral Fe_2O_3 nanocrystals with enhanced and stable photoelectrochemical activity. <i>CrystEngComm</i> , 2015 , 17, 27-31	3.3	8
8	Plasma-regulated N-doped carbon nanotube arrays for efficient electrosynthesis of syngas with a wide CO/H ₂ ratio. <i>Science China Materials</i> , 2020 , 63, 2351-2357	7.1	8
7	Unveiling the In Situ Dissolution and Polymerization of Mo in Ni ₄ Mo Alloy for Promoting the Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2021 , 133, 7127-7131	3.6	7
6	Membrane-free selective oxidation of thioethers with water over a nickel phosphide nanocube electrode. <i>Cell Reports Physical Science</i> , 2021 , 2, 100462	6.1	5
5	Identifying the high activity of the basal plane in 1T'-phase MoS ₂ towards electrochemical hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1490-1492	6.8	4
4	Selectivity Origin of Organic Electrosynthesis Controlled by Electrode Materials: A Case Study on Pinacols. <i>ACS Catalysis</i> , 2021 , 11, 8958-8967	13.1	4
3	Solid-State Conversion Synthesis of Advanced Electrocatalysts for Water Splitting. <i>Chemistry - A European Journal</i> , 2019 , 26, 3961	4.8	3
2	Unveiling the Activity Origin of Iron Nitride as Catalytic Material for Efficient Hydrogenation of CO ₂ to C ₂ + Hydrocarbons. <i>Angewandte Chemie</i> , 2021 , 133, 4546-4550	3.6	2
1	In situ structural reconstruction of NiMo alloy as a versatile organic oxidation electrode for boosting hydrogen production. <i>Rare Metals</i> , 1	5.5	1