Xiao Shang

List of Publications by Year
in descending order

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66	4,480	61945	102432
papers	citations	43 h-index	66 g-index

66	66	66	4817
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-step synthesis of binary Niâ€“Fe sulfides supported on nickel foam as highly efficient electrocatalysts for the oxygen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 13499-13508.	5.2	250
2	Modulation of Inverse Spinel Fe₃O₄ by Phosphorus Doping as an Industrially Promising Electrocatalyst for Hydrogen Evolution. Advanced Materials, 2019, 31, e1905107.	11.1	225
3	NiSe@NiOOH Coreâ€“Shell Hyacinth-like Nanostructures on Nickel Foam Synthesized by in Situ Electrochemical Oxidation as an Efficient Electrocatalyst for the Oxygen Evolution Reaction. ACS Applied Materials & Interfaces, 2016, 8, 20057-20066.	4.0	221
4	Tungsten-doped Niâ€“Co phosphides with multiple catalytic sites as efficient electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2019, 7, 16859-16866.	5.2	144
5	In situ cathodic activation of V-incorporated Ni_xS_y nanowires for enhanced hydrogen evolution. Nanoscale, 2017, 9, 12353-12363.	2.8	143
6	Trimetallic Ni Fe Co selenides nanoparticles supported on carbon fiber cloth as efficient electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 20599-20607.	3.8	133
7	Facile one-pot synthesis of CoS2-MoS2/CNTs as efficient electrocatalyst for hydrogen evolution reaction. Applied Surface Science, 2016, 384, 51-57.	3.1	121
8	Oriented Stacking along Vertical (002) Planes of MoS2: A Novel Assembling Style to Enhance Activity for Hydrogen Evolution. Electrochimica Acta, 2017, 224, 25-31.	2.6	116
9	Triple Ni-Co-Mo metal sulfides with one-dimensional and hierarchical nanostructures towards highly efficient hydrogen evolution reaction. Journal of Catalysis, 2018, 361, 204-213.	3.1	115
10	Controlling electrodeposited ultrathin amorphous Fe hydroxides film on V-doped nickel sulfide nanowires as efficient electrocatalyst for water oxidation. Journal of Power Sources, 2017, 363, 44-53.	4.0	109
11	In-situ electrochemical activation designed hybrid electrocatalysts for water electrolysis. Science Bulletin, 2018, 63, 853-876.	4.3	107
12	Three dimensional nickel oxides/nickel structure by in situ electro-oxidation of nickel foam as robust electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2015, 359, 172-176.	3.1	106
13	MoSx supported graphene oxides with different degree of oxidation as efficient electrocatalysts for hydrogen evolution. Carbon, 2016, 100, 236-242.	5.4	103
14	Effect of pH on the growth of MoS2 (002) plane and electrocatalytic activity for HER. International Journal of Hydrogen Energy, 2016, 41, 294-299.	3.8	99
15	Ternary mixed metal Fe-doped NiCo 2 O 4 nanowires as efficient electrocatalysts for oxygen evolution reaction. Applied Surface Science, 2017, 416, 371-378.	3.1	98
16	In situ Grown Pyramid Structures of Nickel Diselenides Dependent on Oxidized Nickel Foam as Efficient Electrocatalyst for Oxygen Evolution Reaction. Electrochimica Acta, 2016, 205, 77-84.	2.6	96
17	In situ sulfurized CoMoS/CoMoO₄ shellâ€“core nanorods supported on N-doped reduced graphene oxide (NRGO) as efficient electrocatalyst for hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 2885-2896.	5.2	91
18	Electrodeposited hybrid Niâ€“P/MoSx film as efficient electrocatalyst for hydrogen evolution in alkaline media. International Journal of Hydrogen Energy, 2017, 42, 2952-2960.	3.8	87

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19	Ternary CoS 2 /MoS 2 /RGO electrocatalyst with CoMoS phase for efficient hydrogen evolution. Applied Surface Science, 2017, 412, 138-145.	3.1	84
20	One-pot synthesis of hierarchical Ni2P/MoS2 hybrid electrocatalysts with enhanced activity for hydrogen evolution reaction. Applied Surface Science, 2016, 383, 276-282.	3.1	81
21	Heterointerface engineering of trilayer-shelled ultrathin MoS₂/MoP/N-doped carbon hollow nanobubbles for efficient hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 24783-24792.	5.2	79
22	Electrodeposited MoSx films assisted by liquid crystal template with ultrahigh electrocatalytic activity for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 5132-5138.	3.8	78
23	Novel CoxSy/WS2 nanosheets supported on carbon cloth as efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 4165-4173.	3.8	78
24	Carbon fiber cloth supported interwoven WS2 nanosplates with highly enhanced performances for supercapacitors. Applied Surface Science, 2017, 392, 708-714.	3.1	78
25	Activating MoS2/CNs by tuning (001) plane as efficient electrocatalysts for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 2088-2095.	3.8	75
26	Crystallographic Structure and Morphology Transformation of MnO₂Nanorods as Efficient Electrocatalysts for Oxygen Evolution Reaction. Journal of the Electrochemical Society, 2016, 163, H67-H73.	1.3	72
27	Oxidized carbon fiber supported vertical WS2 nanosheets arrays as efficient 3 D nanostructure electrocatalyts for hydrogen evolution reaction. Applied Surface Science, 2017, 402, 120-128.	3.1	68
28	Novel CoP Hollow Prisms as Bifunctional Electrocatalysts for Hydrogen Evolution Reaction in Acid media and Overall Water-splitting in Basic media. Electrochimica Acta, 2016, 220, 98-106.	2.6	64
29	Facile synthesis of pyrite-type binary nickel iron diselenides as efficient electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2017, 401, 17-24.	3.1	63
30	Recent advances of nonprecious and bifunctional electrocatalysts for overall water splitting. Sustainable Energy and Fuels, 2020, 4, 3211-3228.	2.5	63
31	In situ growth of NixSy controlled by surface treatment of nickel foam as efficient electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2016, 378, 15-21.	3.1	61
32	Electrochemically activated NiSe-Ni x S y hybrid nanorods as efficient electrocatalysts for oxygen evolution reaction. Electrochimica Acta, 2016, 220, 536-544.	2.6	60
33	Novel WS2/WO3 heterostructured nanosheets as efficient electrocatalyst for hydrogen evolution reaction. Materials Chemistry and Physics, 2017, 197, 123-128.	2.0	59
34	Ternary MnO 2 /NiCo 2 O 4 /NF with hierarchical structure and synergistic interaction as efficient electrocatalysts for oxygen evolution reaction. Journal of Alloys and Compounds, 2017, 719, 314-321.	2.8	57
35	Mo2C@NC@MoSx porous nanospheres with sandwich shell based on MoO42--polymer precursor for efficient hydrogen evolution in both acidic and alkaline media. Carbon, 2017, 124, 555-564.	5.4	57
36	Tuning crystal phase of NiSx through electro-oxidized nickel foam: A novel route for preparing efficient electrocatalysts for oxygen evolution reaction. Applied Surface Science, 2017, 396, 1034-1043.	3.1	57

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37	A facile synthesis of reduced Co3O4 nanoparticles with enhanced Electrocatalytic activity for oxygen evolution. International Journal of Hydrogen Energy, 2016, 41, 12976-12982.	3.8	56
38	A facile method for reduced CoFe2O4 nanosheets with rich oxygen vacancies for efficient oxygen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 24150-24158.	3.8	56
39	Electrodeposition-Solvothermal Access to Ternary Mixed Metal Ni-Co-Fe Sulfides for Highly Efficient Electrocatalytic Water Oxidation in Alkaline Media. Electrochimica Acta, 2017, 230, 151-159.	2.6	54
40	Controllable synthesis of three dimensional electrodeposited Coâ€“P nanosphere arrays as efficient electrocatalysts for overall water splitting. RSC Advances, 2016, 6, 52761-52771.	1.7	51
41	Facile synthesis of binary NiCoS nanorods supported on nickel foam as efficient electrocatalysts for oxygen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 17129-17135.	3.8	50
42	Tuning the morphology and Fe/Ni ratio of a bimetallic Fe-Ni-S film supported on nickel foam for optimized electrolytic water splitting. Journal of Colloid and Interface Science, 2018, 523, 121-132.	5.0	48
43	Hierarchically three-level Ni3(VO4)2@NiCo2O4 nanostructure based on nickel foam towards highly efficient alkaline hydrogen evolution. Electrochimica Acta, 2017, 256, 100-109.	2.6	45
44	Template-assisted synthesis of highly dispersed MoS2 nanosheets with enhanced activity for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 2054-2060.	3.8	40
45	Electrochemical Corrosion Engineering for Niâ€“Fe Oxides with Superior Activity toward Water Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 42217-42224.	4.0	38
46	Electrohydrodimerization of biomass-derived furfural generates a jet fuel precursor. Green Chemistry, 2020, 22, 5395-5401.	4.6	38
47	Solvothermal access to rich nitrogen-doped molybdenum carbide nanowires as efficient electrocatalyst for hydrogen evolution reaction. Journal of Alloys and Compounds, 2017, 714, 26-34.	2.8	34
48	Coupling Ag-doping and rich oxygen vacancies in mesoporous NiCoO nanorods supported on nickel foam for highly efficient oxygen evolution. Inorganic Chemistry Frontiers, 2017, 4, 1783-1790.	3.0	34
49	Heterostructured binary Ni-W sulfides nanosheets as pH-universal electrocatalyst for hydrogen evolution. Applied Surface Science, 2018, 445, 445-453.	3.1	32
50	Ptâ€“C Interfaces Based on Electronegativity-Functionalized Hollow Carbon Spheres for Highly Efficient Hydrogen Evolution. ACS Applied Materials & Interfaces, 2018, 10, 43561-43569.	4.0	32
51	Binary metal Fe0.5Co0.5Se2 spheres supported on carbon fiber cloth for efficient oxygen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 15189-15195.	3.8	30
52	Self-sacrificial template method of Mo 3 O 10 (C 6 H 8 N) 2 â€¢2H 2 O to fabricate MoS 2 /carbon-doped MoO 2 nanobelts as efficient electrocatalysts for hydrogen evolution reaction. Electrochimica Acta, 2016, 216, 397-404.	2.6	26
53	Ripple-like NiFeCo sulfides on nickel foam derived from in-situ sulfurization of precursor oxides as efficient anodes for water oxidation. Applied Surface Science, 2018, 428, 370-376.	3.1	24
54	Boosting Electrocatalytic Activity of Binary Ag-Fe-doped Co 2 P Nanospheres as Bifunctional Electrocatalysts for Overall Water Splitting. Electrochimica Acta, 2017, 249, 16-25.	2.6	23

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55	Ternary Ni-Fe-V sulfides bundles on nickel foam as free-standing hydrogen evolution electrodes in alkaline medium. Electrochimica Acta, 2017, 256, 241-251.	2.6	20
56	Vanadium sulfides interwoven nanoflowers based on in-situ sulfurization of vanadium oxides octahedron on nickel foam for efficient hydrogen evolution. Applied Surface Science, 2017, 423, 1090-1096.	3.1	20
57	In situ formation of ultrathin C3N4 layers on metallic WO2 nanorods for efficient hydrogen evolution. Applied Surface Science, 2019, 487, 945-950.	3.1	20
58	Ni-Se nanostructrures dependent on different solvent as efficient electrocatalysts for hydrogen evolution reaction in alkaline media. Materials Chemistry and Physics, 2018, 207, 389-395.	2.0	16
59	Self-sacrificial template method to MnO2 microspheres as highly efficient electrocatalyst for oxygen evolution reaction. Journal of Solid State Electrochemistry, 2016, 20, 2907-2912.	1.2	15
60	Microwave annealing promoted in-situ electrochemical activation of Ni3S2 nanowires for water electrolysis. Journal of Catalysis, 2018, 368, 112-119.	3.1	15
61	Nitrogen-doped oxidized carbon fiber as metal-free electrode towards highly efficient water oxidation. International Journal of Hydrogen Energy, 2017, 42, 28287-28297.	3.8	13
62	Crystalline phase-function relationship of in situ growth NixSy controlled by sulfuration degree for oxygen evolution reaction. International Journal of Hydrogen Energy, 2016, 41, 13032-13038.	3.8	12
63	Structureâ€“function relationship of electrodeposited MoSx film in N, N-dimethyl-formamide/H2O mixture solvent as electrocatalyst for hydrogen evolution. International Journal of Hydrogen Energy, 2016, 41, 1635-1644.	3.8	10
64	Facile synthesis of novel NiSeâ€“Ni x S y nanocubes supported on nickel foam with enhanced activity for hydrazine electroxidation. Materials Letters, 2016, 175, 118-121.	1.3	10
65	Optimized expanding of interlayer distance for molybdenum disulfide towards enhanced hydrogen evolution reaction. Applied Surface Science, 2018, 428, 948-953.	3.1	10
66	Flexible on-site halogenation paired with hydrogenation using halide electrolysis. Green Chemistry, 2021, 23, 2037-2043.	4.6	10