

Bin Dong

List of Publications by Year in descending order

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10454
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#	ARTICLE	IF	CITATIONS
1	Self-supported Fe _x Ni _{1-x} MoO ₄ with synergistic morphology and composition for efficient overall water splitting at large current density. Chinese Chemical Letters, 2023, 34, 107422.	9.0	6
2	An overview of the active sites in transition metal electrocatalysts and their practical activity for hydrogen evolution reaction. Chemical Engineering Journal, 2022, 430, 132312.	12.7	24
3	Motivating high-valence Nb doping by fast molten salt method for NiFe hydroxides toward efficient oxygen evolution reaction. Chemical Engineering Journal, 2022, 427, 131643.	12.7	78
4	Nickel hydroxide armour promoted CoP nanowires for alkaline hydrogen evolution at large current density. International Journal of Hydrogen Energy, 2022, 47, 1016-1025.	7.1	11
5	High-density ultrafine RuP ₂ with strong catalyst-support interaction driven by dual-ligand and tungsten-oxygen sites for hydrogen evolution at 1.0 V. Applied Catalysis B: Environmental, 2022, 304, 120917.	20.2	17
6	Controlled high-density interface engineering of Fe ₃ O ₄ -FeS nanoarray for efficient hydrogen evolution. Journal of Energy Chemistry, 2022, 68, 96-103.	12.9	15
7	Modulation engineering of alkaline oxygen evolution reaction based on microwave activation of Ni, Fe bimetal doped MnO ₂ . Catalysis Communications, 2022, 162, 106380.	3.3	5
8	Directional regulating dynamic equilibrium to continuously update electrocatalytic interface for oxygen evolution reaction. Chemical Engineering Journal, 2022, 431, 134040.	12.7	90
9	Motivating borate doped FeNi layered double hydroxides by molten salt method toward efficient oxygen evolution. Journal of Colloid and Interface Science, 2022, 610, 173-181.	9.4	25
10	Vanadium doped FeP nanoflower with optimized electronic structure for efficient hydrogen evolution. Journal of Colloid and Interface Science, 2022, 615, 445-455.	9.4	29
11	Amorphous-crystalline cobalt phosphide hollow nanocubes induced by dual ligand environment for highly efficient hydrogen evolution. Journal of Colloid and Interface Science, 2022, 614, 84-91.	9.4	9
12	Boosting oxygen evolution by nickel nitrate hydroxide with abundant grain boundaries via segregated high-valence molybdenum. Journal of Colloid and Interface Science, 2022, 613, 224-233.	9.4	5
13	Tailoring the d-band centers of FeP nanobelts arrays by fluorine doping for enhanced hydrogen evolution at high current density. Fuel, 2022, 316, 123206.	6.4	24
14	Triple captured iron by defect abundant NiO for efficient water oxidation. Inorganic Chemistry Frontiers, 2022, 9, 1281-1292.	6.0	0
15	The role of Nb ₂ O ₅ in controlling metal-acid sites of CoMoS ₄ /Al ₂ O ₃ catalyst for the enhanced hydrodeoxygenation of guaiacol into hydrocarbons. Journal of Catalysis, 2022, 407, 19-28.	6.2	15
16	Amorphous-crystalline FeNi ₂ S ₄ @NiFe-LDH nanograsses with molten salt as an industrially promising electrocatalyst for oxygen evolution. Inorganic Chemistry Frontiers, 2022, 9, 2068-2080.	6.0	22
17	Phosphorus doped two-dimensional CoFe ₂ O ₄ nanobelts decorated with Ru nanoclusters and CoFe hydroxide as efficient electrocatalysts toward hydrogen generation. Inorganic Chemistry Frontiers, 2022, 9, 1847-1855.	6.0	34
18	An <i>in situ</i> generated 3D porous nanostructure on 2D nanosheets to boost the oxygen evolution reaction for water-splitting. Nanoscale, 2022, 14, 4566-4572.	5.6	36

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19	Crystaline/amorphous NiO/MoO ₂ with a high-density interface for hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 2087-2096.	6.0	10
20	Constructing partially amorphous borate doped iron-nickel nitrate hydroxide nanoarrays by rapid microwave activation for oxygen evolution. <i>Applied Surface Science</i> , 2022, 592, 153245.	6.1	6
21	Interface design and composition regulation of cobalt-based electrocatalysts for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 10547-10572.	7.1	34
22	Facile synthesis of hierarchical Nb-Doped MoS ₂ nanospheres as efficient electrocatalyst toward hydrogen generation in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 14414-14421.	7.1	9
23	Active Microstructure Transformation and Enhanced Stability of Iron Foam Derived from Industrial Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17229-17239.	8.0	0
24	Microwave-assisted molybdenum-nickel alloy for efficient water electrolysis under large current density through spillover and Fe doping. <i>Nano Research</i> , 2022, 15, 5873-5883.	10.4	17
25	Metallic MoO layer promoting high-valence Mo doping into CoP nanowires with ultrahigh activity for hydrogen evolution at 2000 mA cm ⁻² . <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121230.	20.2	29
26	Strong ion interaction inducing ultrahigh activity of NiCoP nanowires for overall water splitting at large current density. <i>Applied Surface Science</i> , 2022, 589, 152837.	6.1	11
27	Crystal facet engineering of perovskite cobaltite with optimized electronic regulation for water splitting. <i>Science China Materials</i> , 2022, 65, 2665-2674.	6.3	4
28	Underpotential deposition promoting low Pt loading on MoO ₂ /MoS ₂ heterostructure towards wide pH green hydrogen evolution. <i>Fuel</i> , 2022, 324, 124343.	6.4	23
29	Metal-rich heterostructure of Ag-doped FeS/Fe ₂ P for robust hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 20518-20528.	7.1	8
30	Dynamic anion regulation to construct S-doped FeOOH realizing 1000 mA cm ⁻² level current density oxygen evolution over 1000 h. <i>Applied Catalysis B: Environmental</i> , 2022, 315, 121571.	20.2	24
31	Rapid self-healing behavior induced by chloride anions to renew the Fe-Ni(oxy)hydroxide surface for long-term alkaline seawater electrolysis. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4216-4224.	6.0	8
32	Hydrodeoxygenation of guaiacol to bio-hydrocarbons over Ni catalyst supported on activated coconut carbon in alkaline condition. <i>Biomass and Bioenergy</i> , 2022, 163, 106506.	5.7	2
33	Spin-state regulating of cobalt assisted by iron doping and coordination for enhanced oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 27508-27515.	7.1	3
34	Accelerating Fe sites saturation coverage through Bi-metal dynamic balances on double-layer hollow MOF nanocages for oxygen evolution. <i>Materials Today Physics</i> , 2022, 27, 100778.	6.0	6
35	Hierarchical CoSeS nanostructures assisted by Nb doping for enhanced hydrogen evolution reaction. <i>Chinese Journal of Catalysis</i> , 2021, 42, 431-438.	14.0	37
36	Carbon-based transition metal sulfides/selenides nanostructures for electrocatalytic water splitting. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156810.	5.5	58

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37	Tailoring electron transfer with Ce integration in ultrathin Co(OH) ₂ nanosheets by fast microwave for oxygen evolution reaction. <i>Journal of Energy Chemistry</i> , 2021, 59, 299-305.	12.9	26
38	Reduction tuning of ultrathin carbon shell armor covering IrP ₂ for accelerated hydrogen evolution kinetics with Pt-like performance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2195-2204.	10.3	20
39	Oriented and robust anchoring of Fe <i>via</i> anodic interfacial coordination assembly on ultrathin Co hydroxides for efficient water oxidation. <i>Nanoscale</i> , 2021, 13, 13463-13472.	5.6	16
40	Ultrafine RuP ₂ nanoparticles supported on nitrogen-doped carbon based on coordination effect for efficient hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7964-7973.	7.1	9
41	Recent development on self-supported transition metal-based catalysts for water electrolysis at large current density. <i>Applied Materials Today</i> , 2021, 22, 100913.	4.3	42
42	High-pressure microwave-assisted synthesis of WS _x /Ni ₉ S ₈ /NF hetero-catalyst for efficient oxygen evolution reaction. <i>Rare Metals</i> , 2021, 40, 1048-1055.	7.1	26
43	Fe(Co)OOH Dynamically Stable Interface Based on Self-Sacrificial Reconstruction for Long-Term Electrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17450-17458.	8.0	32
44	Double doping of V and F on Co ₃ O ₄ nanoneedles as efficient electrocatalyst for oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19962-19970.	7.1	68
45	Promoting Oxygen Evolution by Deep Reconstruction via Dynamic Migration of Fluorine Anions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34438-34446.	8.0	24
46	Structure optimization and electronic modulation of sulfur-incorporated cobalt nanocages for enhanced oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 28537-28544.	7.1	4
47	Amorphous-crystalline catalytic interface of CoFeOH/CoFeP with double sites based on ultrafast hydrolysis for hydrogen evolution at high current density. <i>Journal of Power Sources</i> , 2021, 507, 230279.	7.8	24
48	Recent advances and prospects of MXene-based materials for electrocatalysis and energy storage. <i>Materials Today Physics</i> , 2021, 20, 100469.	6.0	34
49	S-doped nickel-iron hydroxides synthesized by room-temperature electrochemical activation for efficient oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120150.	20.2	122
50	Uniform W-NiCoP microneedles by molten salt decomposition as bifunctional electrocatalyst for alkaline water splitting. <i>Applied Materials Today</i> , 2021, 24, 101154.	4.3	12
51	Microwave rapid hydrolysis induced two-dimensional NiFeSe nanosheets for efficient oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 35311-35318.	7.1	10
52	Hollow and substrate-supported Prussian blue, its analogs, and their derivatives for green water splitting. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1843-1864.	14.0	19
53	Bimetallic NiSe _{0.1} MoS _{6.4} sulfoselenide nanosheets supported on nickel foam for efficient hydrogen evolution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 628, 127228.	4.7	1
54	In situ construction of Fe(Co)OOH through ultra-fast electrochemical activation as real catalytic species for enhanced water oxidation. <i>Chemical Engineering Journal</i> , 2021, 426, 131943.	12.7	84

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55	Ultrahigh activity of molybdenum/vanadium-doped Ni-Co phosphides nanoneedles based on ion-exchange for hydrogen evolution at large current density. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 141-149.	9.4	17
56	The rational design of Ni ₃ S ₂ nanosheets@Ag nanorods on Ni foam with improved hydrogen adsorption sites for the hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 3428-3435.	4.9	12
57	Transformation of silver ions to silver nanoparticles mediated by humic acid under dark conditions at ambient temperature. <i>Journal of Hazardous Materials</i> , 2020, 383, 121190.	12.4	36
58	Effect on sludge disintegration by EDTA-enhanced thermal-alkaline treatment. <i>Water Environment Research</i> , 2020, 92, 42-50.	2.7	8
59	Effects of reduced graphene oxide on humic acid-mediated transformation and environmental risks of silver ions. <i>Journal of Hazardous Materials</i> , 2020, 385, 121597.	12.4	11
60	Copper and cobalt co-doped Ni ₃ S ₂ grown on nickel foam for highly efficient oxygen evolution reaction. <i>Applied Surface Science</i> , 2020, 502, 144172.	6.1	65
61	N-doped FeP nanorods derived from Fe-MOFs as bifunctional electrocatalysts for overall water splitting. <i>Applied Surface Science</i> , 2020, 507, 145096.	6.1	57
62	Ternary metal sulfides MoCoNiS derived from metal organic frameworks for efficient oxygen evolution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2745-2753.	7.1	130
63	Surface construction of loose Co(OH) ₂ shell derived from ZIF-67 nanocube for efficient oxygen evolution. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 279-286.	9.4	53
64	Optimized Mo-doped cobalt selenides coupled carbon nanospheres for efficient hydrogen evolution. <i>Applied Surface Science</i> , 2020, 531, 147404.	6.1	13
65	Synergistic effect of metallic nickel and cobalt oxides with nitrogen-doped carbon nanospheres for highly efficient oxygen evolution. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1782-1789.	14.0	44
66	Ultrafast surface modification of FeS nanosheet arrays with Fe-Ni bimetallic hydroxides for efficient oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155298.	5.5	12
67	Modulation engineering of <i>in situ</i> cathodic activation of FeP _x based on W-incorporation for the hydrogen evolution reaction. <i>Nanoscale</i> , 2020, 12, 12364-12373.	5.6	11
68	Advances and Challenges of Fe-MOFs Based Materials as Electrocatalysts for Water Splitting. <i>Applied Materials Today</i> , 2020, 20, 100692.	4.3	35
69	In situ electro-reduction to modulate the surface electronic structure of Fe ₃ O ₄ for enhancing oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15476-15482.	7.1	17
70	Roles of molecular weight-fractionated extracellular polymeric substance in transformation of Au(III) to Au nanoparticles in aqueous environments. <i>Science of the Total Environment</i> , 2020, 728, 138889.	8.0	7
71	Zinc ion induced three-dimensional Co ₉ S ₈ nano-neuron network for efficient hydrogen evolution. <i>Renewable Energy</i> , 2020, 157, 415-423.	8.9	88
72	Hydrogen evolution under large-current-density based on fluorine-doped cobalt-iron phosphides. <i>Chemical Engineering Journal</i> , 2020, 399, 125831.	12.7	120

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73	RuO ₂ /Co ₃ O ₄ Nanocubes based on Ru ions impregnation into prussian blue precursor for oxygen evolution. International Journal of Hydrogen Energy, 2020, 45, 9575-9582.	7.1	79
74	Template confined strategy for constructing nickel cobalt selenide nanoarrays for efficient oxygen evolution reaction. Materials Today Energy, 2020, 17, 100468.	4.7	7
75	Design and modulation principles of molybdenum carbide-based materials for green hydrogen evolution. Journal of Energy Chemistry, 2020, 48, 398-423.	12.9	39
76	Fe-doped CoP core-shell structure with open cages as efficient electrocatalyst for oxygen evolution. Journal of Energy Chemistry, 2020, 48, 328-333.	12.9	95
77	Recent advances of nonprecious and bifunctional electrocatalysts for overall water splitting. Sustainable Energy and Fuels, 2020, 4, 3211-3228.	4.9	63
78	Identification of an Immune-Related Signature for Predicting Prognosis in Patients With Pancreatic Ductal Adenocarcinoma. Frontiers in Oncology, 2020, 10, 618215.	2.8	15
79	In situ electro-oxidation modulation of Ru(OH) _x /Ag supported on nickel foam for efficient hydrogen evolution reaction in alkaline media. International Journal of Hydrogen Energy, 2019, 44, 21683-21691.	7.1	12
80	Double-catalytic-site engineering of nickel-based electrocatalysts by group VB metals doping coupling with in-situ cathodic activation for hydrogen evolution. Applied Catalysis B: Environmental, 2019, 258, 117984.	20.2	29
81	In-situ synthesis of Co-N supported on nickel foam for efficient hydrogen evolution reaction. AIP Conference Proceedings, 2019, , .	0.4	0
82	Modulation of Inverse Spinel Fe ₃ O ₄ by Phosphorus Doping as an Industrially Promising Electrocatalyst for Hydrogen Evolution. Advanced Materials, 2019, 31, e1905107.	21.0	225
83	Pitaya-like cobalt/molybdenum carbide encapsulated in N-doped carbon nanospheres toward efficient hydrogen evolution. AIP Conference Proceedings, 2019, , .	0.4	0
84	Interface Charge Engineering of Ultrafine Ru/Ni ₂ P Nanoparticles Encapsulated in N,P-Codoped Hollow Carbon Nanospheres for Efficient Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2019, 7, 17714-17722.	6.7	33
85	Facile synthesis of V-doped CoP nanoparticles as bifunctional electrocatalyst for efficient water splitting. Journal of Energy Chemistry, 2019, 39, 182-187.	12.9	74
86	Embedding RhP _x in N, P Co-Doped Carbon Nanoshells Through Synergetic Phosphorization and Pyrolysis for Efficient Hydrogen Evolution. Advanced Functional Materials, 2019, 29, 1901790.	14.9	76
87	In situ construction of surface defects of carbon-doped ternary cobalt-nickel-iron phosphide nanocubes for efficient overall water splitting. Science China Materials, 2019, 62, 1285-1296.	6.3	92
88	Tungsten-doped Ni-Co phosphides with multiple catalytic sites as efficient electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2019, 7, 16859-16866.	10.3	144
89	In situ formation of ultrathin C ₃ N ₄ layers on metallic WO ₂ nanorods for efficient hydrogen evolution. Applied Surface Science, 2019, 487, 945-950.	6.1	20
90	Ultrafine and highly-dispersed bimetal Ni ₂ P/Co ₂ P encapsulated by hollow N-doped carbon nanospheres for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 14908-14917.	7.1	90

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91	Nano-hybridization of VS with Ni Fe layered double hydroxides for efficient oxygen evolution in alkaline media. <i>Applied Surface Science</i> , 2019, 484, 1010-1018.	6.1	14
92	Three-dimensional VOx/NiS/NF nanosheets as efficient electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10156-10162.	7.1	75
93	Controllable Transformation of Aligned ZnO Nanorods to ZIF-8 as Solid-Phase Microextraction Coatings with Tunable Porosity, Polarity, and Conductivity. <i>Analytical Chemistry</i> , 2019, 91, 5091-5097.	6.5	57
94	Highly sensitive H ₂ O ₂ sensor based on porous bimetallic oxide Ce _{1-x} Tb _x O _y derived from homeotypic Ln-MOFs. <i>Applied Surface Science</i> , 2019, 470, 91-98.	6.1	12
95	N-Doped Sandwich-Structured Mo ₂ C@C@Pt Interface with Ultralow Pt Loading for pH-Universal Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4047-4056.	8.0	79
96	Recent Progress in Decoupled H ₂ and O ₂ Production from Electrolytic Water Splitting. <i>ChemElectroChem</i> , 2019, 6, 2157-2166.	3.4	49
97	Optimized bimetallic nickel-iron phosphides with rich defects as enhanced electrocatalysts for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 11-19.	9.4	25
98	Bimetallic CoFeP hollow microspheres as highly efficient bifunctional electrocatalysts for overall water splitting in alkaline media. <i>Applied Surface Science</i> , 2019, 465, 816-823.	6.1	96
99	N, P dual-doped hollow carbon spheres supported MoS ₂ hybrid electrocatalyst for enhanced hydrogen evolution reaction. <i>Catalysis Today</i> , 2019, 330, 259-267.	4.4	39
100	Probing the active sites of Co ₃ O ₄ for the acidic oxygen evolution reaction by modulating the Co ²⁺ /Co ³⁺ ratio. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5678-5686.	10.3	134
101	Tuning the morphology and Fe/Ni ratio of a bimetallic Fe-Ni-S film supported on nickel foam for optimized electrolytic water splitting. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 121-132.	9.4	48
102	Urchin-Like Nanorods of Binary NiCoS Supported on Nickel Foam for Electrocatalytic Overall Water Splitting. <i>Journal of the Electrochemical Society</i> , 2018, 165, H102-H108.	2.9	41
103	Porous core-shell N-doped Mo ₂ C@C nanospheres derived from inorganic-organic hybrid precursors for highly efficient hydrogen evolution. <i>Journal of Catalysis</i> , 2018, 360, 9-19.	6.2	124
104	Intramolecular singlet fission in a face-to-face stacked tetracene trimer. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6330-6336.	2.8	19
105	Ni-Se nanostructures dependent on different solvent as efficient electrocatalysts for hydrogen evolution reaction in alkaline media. <i>Materials Chemistry and Physics</i> , 2018, 207, 389-395.	4.0	16
106	Mesoporous Ag-doped Co ₃ O ₄ nanowire arrays supported on FTO as efficient electrocatalysts for oxygen evolution reaction in acidic media. <i>Renewable Energy</i> , 2018, 119, 54-61.	8.9	136
107	Heterostructured binary Ni-W sulfides nanosheets as pH-universal electrocatalyst for hydrogen evolution. <i>Applied Surface Science</i> , 2018, 445, 445-453.	6.1	32
108	Triple Ni-Co-Mo metal sulfides with one-dimensional and hierarchical nanostructures towards highly efficient hydrogen evolution reaction. <i>Journal of Catalysis</i> , 2018, 361, 204-213.	6.2	115

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109	Optimized expanding of interlayer distance for molybdenum disulfide towards enhanced hydrogen evolution reaction. <i>Applied Surface Science</i> , 2018, 428, 948-953.	6.1	10
110	Organic-inorganic hybrids-directed ternary NiFeMoS anemone-like nanorods with scaly surface supported on nickel foam for efficient overall water splitting. <i>Chemical Engineering Journal</i> , 2018, 334, 922-931.	12.7	216
111	Ripple-like NiFeCo sulfides on nickel foam derived from in-situ sulfurization of precursor oxides as efficient anodes for water oxidation. <i>Applied Surface Science</i> , 2018, 428, 370-376.	6.1	24
112	Hydrogen Evolution Activity of Ruthenium Phosphides Encapsulated in Nitrogen- and Phosphorous-Codoped Hollow Carbon Nanospheres. <i>ChemSusChem</i> , 2018, 11, 743-752.	6.8	81
113	Nitrogen, phosphorus dual-doped molybdenum-carbide/molybdenum-phosphide@-carbon nanospheres for efficient hydrogen evolution over the whole pH range. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 151-160.	9.4	49
114	A MOF-derived coral-like NiSe@NC nanohybrid: an efficient electrocatalyst for the hydrogen evolution reaction at all pH values. <i>Nanoscale</i> , 2018, 10, 22758-22765.	5.6	78
115	Comparison of two water oxidation electrocatalysts by copper or zinc supermolecule complexes based on porphyrin ligand. <i>RSC Advances</i> , 2018, 8, 40054-40059.	3.6	8
116	Electrochemical Corrosion Engineering for Ni-Fe Oxides with Superior Activity toward Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42217-42224.	8.0	38
117	Heterointerface engineering of trilayer-shelled ultrathin MoS ₂ /MoP/N-doped carbon hollow nanobubbles for efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24783-24792.	10.3	79
118	Pt-C Interfaces Based on Electronegativity-Functionalized Hollow Carbon Spheres for Highly Efficient Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43561-43569.	8.0	32
119	Microwave annealing promoted in-situ electrochemical activation of Ni ₃ S ₂ nanowires for water electrolysis. <i>Journal of Catalysis</i> , 2018, 368, 112-119.	6.2	15
120	Surface phosphorsulfurization of NiCo ₂ O ₄ nanoneedles supported on carbon cloth with enhanced electrocatalytic activity for hydrogen evolution. <i>Electrochimica Acta</i> , 2018, 290, 339-346.	5.2	30
121	Facile synthesis of Fe-doped Co ₉ S ₈ nano-microspheres grown on nickel foam for efficient oxygen evolution reaction. <i>Applied Surface Science</i> , 2018, 454, 46-53.	6.1	84
122	A triple synergistic effect from pitaya-like MoNi _x -MoC _x hybrids encapsulated in N-doped C nanospheres for efficient hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1610-1620.	4.9	19
123	Controllable phosphorsulfurization of uniform binary Ni-Fe nanocubes for enhanced water oxidation. <i>Materials Letters</i> , 2018, 229, 248-251.	2.6	7
124	Induced Phosphorization-Derived Well-Dispersed Molybdenum Phosphide Nanoparticles Encapsulated in Hollow N-Doped Carbon Nanospheres for Efficient Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7676-7686.	6.7	37
125	In-situ electrochemical activation designed hybrid electrocatalysts for water electrolysis. <i>Science Bulletin</i> , 2018, 63, 853-876.	9.0	107
126	Electrodeposited MoS _x films assisted by liquid crystal template with ultrahigh electrocatalytic activity for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5132-5138.	7.1	78

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127	Facile synthesis of pyrite-type binary nickel iron diselenides as efficient electrocatalyst for oxygen evolution reaction. <i>Applied Surface Science</i> , 2017, 401, 17-24.	6.1	63
128	Novel Ni ₃ S ₂ @NiOOH hybrid nanostructure supported on Ni foam as high-efficient electrocatalyst for hydrogen evolution reaction. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
129	Oxidized carbon fiber supported vertical WS ₂ nanosheets arrays as efficient 3 D nanostructure electrocatalysts for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2017, 402, 120-128.	6.1	68
130	Electrodeposition-Solvothermal Access to Ternary Mixed Metal Ni-Co-Fe Sulfides for Highly Efficient Electrocatalytic Water Oxidation in Alkaline Media. <i>Electrochimica Acta</i> , 2017, 230, 151-159.	5.2	54
131	Solvothermal access to rich nitrogen-doped molybdenum carbide nanowires as efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2017, 714, 26-34.	5.5	34
132	Ternary mixed metal Fe-doped NiCo ₂ O ₄ nanowires as efficient electrocatalysts for oxygen evolution reaction. <i>Applied Surface Science</i> , 2017, 416, 371-378.	6.1	98
133	Ternary MnO ₂ /NiCo ₂ O ₄ /NF with hierarchical structure and synergistic interaction as efficient electrocatalysts for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2017, 719, 314-321.	5.5	57
134	In situ cathodic activation of V-incorporated Ni _x S _y nanowires for enhanced hydrogen evolution. <i>Nanoscale</i> , 2017, 9, 12353-12363.	5.6	143
135	Novel WS ₂ /WO ₃ heterostructured nanosheets as efficient electrocatalyst for hydrogen evolution reaction. <i>Materials Chemistry and Physics</i> , 2017, 197, 123-128.	4.0	59
136	Ternary CoS ₂ /MoS ₂ /RGO electrocatalyst with CoMoS phase for efficient hydrogen evolution. <i>Applied Surface Science</i> , 2017, 412, 138-145.	6.1	84
137	Microbial synthesis of bimetallic PdPt nanoparticles for catalytic reduction of 4-nitrophenol. <i>Environmental Science and Pollution Research</i> , 2017, 24, 5249-5258.	5.3	59
138	Oriented Stacking along Vertical (002) Planes of MoS ₂ : A Novel Assembling Style to Enhance Activity for Hydrogen Evolution. <i>Electrochimica Acta</i> , 2017, 224, 25-31.	5.2	116
139	In situ sulfurized CoMoS/CoMoO ₄ shell-core nanorods supported on N-doped reduced graphene oxide (NRGO) as efficient electrocatalyst for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2885-2896.	10.3	91
140	Ternary Ni-Fe-V sulfides bundles on nickel foam as free-standing hydrogen evolution electrodes in alkaline medium. <i>Electrochimica Acta</i> , 2017, 256, 241-251.	5.2	20
141	Hierarchically three-level Ni ₃ (VO ₄) ₂ @NiCo ₂ O ₄ nanostructure based on nickel foam towards highly efficient alkaline hydrogen evolution. <i>Electrochimica Acta</i> , 2017, 256, 100-109.	5.2	45
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147	Vanadium sulfides interwoven nanoflowers based on in-situ sulfurization of vanadium oxides octahedron on nickel foam for efficient hydrogen evolution. <i>Applied Surface Science</i> , 2017, 423, 1090-1096.	6.1	20
148	Trimetallic Ni Fe Co selenides nanoparticles supported on carbon fiber cloth as efficient electrocatalyst for oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20599-20607.	7.1	133
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150	Enhanced bioreduction of nitrobenzene by reduced graphene oxide materials: effects of surface modification and coexisting soluble electron shuttles. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26874-26880.	5.3	19
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