Bin Dong

List of Publications by Year
in descending order

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237 papers	11,488 citations	16451 64 h-index	40979 93 g-index
237 all docs	237 docs citations	237 times ranked	10454 citing authors

#	Article	IF	Citations
1	Surface Adsorption and Micelle Formation of Surface Active Ionic Liquids in Aqueous Solution. Langmuir, 2007, 23, 4178-4182.	3.5	486
2	Preparation and electrochemical properties of Ag-modified TiO2 nanotube anode material for lithiumâ€“ion battery. Electrochemistry Communications, 2007, 9, 425-430.	4.7	306
3	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.	10.3	250
4	Modulation of Inverse Spinel Fe₃O₄ by Phosphorus Doping as an Industrially Promising Electrocatalyst for Hydrogen Evolution. Advanced Materials, 2019, 31, e1905107.	21.0	225
5	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.	8.0	221
6	Organic-inorganic hybrids-directed ternary NiFeMoS anemone-like nanorods with scaly surface supported on nickel foam for efficient overall water splitting. Chemical Engineering Journal, 2018, 334, 922-931.	12.7	216
7	Preparation and electrochemical characterization of polyaniline/multi-walled carbon nanotubes composites for supercapacitor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 143, 7-13.	3.5	199
8	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.	10.3	144
9	In situ cathodic activation of V-incorporated Ni_xS_y nanowires for enhanced hydrogen evolution. Nanoscale, 2017, 9, 12353-12363.	5.6	143
10	Mesoporous Ag-doped Co3O4 nanowire arrays supported on FTO as efficient electrocatalysts for oxygen evolution reaction in acidic media. Renewable Energy, 2018, 119, 54-61.	8.9	136
11	Probing the active sites of Co₃O₄ for the acidic oxygen evolution reaction by modulating the Co²⁺/Co³⁺ ratio. Journal of Materials Chemistry A, 2018, 6, 5678-5686.	10.3	134
12	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.	7.1	133
13	Ternary metal sulfides MoCoNiS derived from metal organic frameworks for efficient oxygen evolution. International Journal of Hydrogen Energy, 2020, 45, 2745-2753.	7.1	130
14	Porous core-shell N-doped Mo2C@C nanospheres derived from inorganic-organic hybrid precursors for highly efficient hydrogen evolution. Journal of Catalysis, 2018, 360, 9-19.	6.2	124
15	S-doped nickel-iron hydroxides synthesized by room-temperature electrochemical activation for efficient oxygen evolution. Applied Catalysis B: Environmental, 2021, 292, 120150.	20.2	122
16	Facile one-pot synthesis of CoS2-MoS2/CNTs as efficient electrocatalyst for hydrogen evolution reaction. Applied Surface Science, 2016, 384, 51-57.	6.1	121
17	Hydrogen evolution under large-current-density based on fluorine-doped cobalt-iron phosphides. Chemical Engineering Journal, 2020, 399, 125831.	12.7	120
18	Oriented Stacking along Vertical (002) Planes of MoS2: A Novel Assembling Style to Enhance Activity for Hydrogen Evolution. Electrochimica Acta, 2017, 224, 25-31.	5.2	116

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19	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.	6.2	115
20	Microbial synthesis of Pd/Fe3O4, Au/Fe3O4 and PdAu/Fe3O4 nanocomposites for catalytic reduction of nitroaromatic compounds. Scientific Reports, 2015, 5, 13515.	3.3	110
21	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.	7.8	109
22	In-situ electrochemical activation designed hybrid electrocatalysts for water electrolysis. Science Bulletin, 2018, 63, 853-876.	9.0	107
23	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.	6.1	106
24	Ultrathin MoS2-coated carbon nanospheres asÂhighly efficient electrocatalyts for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2015, 40, 6552-6558.	7.1	104
25	MoSx supported graphene oxides with different degree of oxidation as efficient electrocatalysts for hydrogen evolution. Carbon, 2016, 100, 236-242.	10.3	103
26	Salt-induced viscoelastic wormlike micelles formed in surface active ionic liquid aqueous solution. Journal of Colloid and Interface Science, 2008, 319, 338-343.	9.4	102
27	Effect of pH on the growth of MoS2 (002) plane and electrocatalytic activity for HER. International Journal of Hydrogen Energy, 2016, 41, 294-299.	7.1	99
28	Ternary mixed metal Fe-doped NiCo 2 O 4 nanowires as efficient electrocatalysts for oxygen evolution reaction. Applied Surface Science, 2017, 416, 371-378.	6.1	98
29	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.	5.2	96
30	Bimetallic CoFeP hollow microspheres as highly efficient bifunctional electrocatalysts for overall water splitting in alkaline media. Applied Surface Science, 2019, 465, 816-823.	6.1	96
31	Fe-doped CoP coreâ€“shell structure with open cages as efficient electrocatalyst for oxygen evolution. Journal of Energy Chemistry, 2020, 48, 328-333.	12.9	95
32	Self-Aggregation Behavior of Fluorescent Carbazole-Tailed Imidazolium Ionic Liquids in Aqueous Solutions. Journal of Physical Chemistry B, 2010, 114, 340-348.	2.6	92
33	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
34	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.	10.3	91
35	Ultrafine and highly-dispersed bimetal Ni2P/Co2P encapsulated by hollow N-doped carbon nanospheres for efficient hydrogen evolution. International Journal of Hydrogen Energy, 2019, 44, 14908-14917.	7.1	90
36	Directional regulating dynamic equilibrium to continuously update electrocatalytic interface for oxygen evolution reaction. Chemical Engineering Journal, 2022, 431, 134040.	12.7	90

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37	Study on Tribological Properties of Multi-walled Carbon Nanotubes/Epoxy Resin Nanocomposites. Tribology Letters, 2005, 20, 251-254.	2.6	88
38	Zinc ion induced three-dimensional Co9S8 nano-neuron network for efficient hydrogen evolution. Renewable Energy, 2020, 157, 415-423.	8.9	88
39	Electrodeposited hybrid Niâ€“P/MoSx film as efficient electrocatalyst for hydrogen evolution in alkaline media. International Journal of Hydrogen Energy, 2017, 42, 2952-2960.	7.1	87
40	Ternary CoS 2 /MoS 2 /RGO electrocatalyst with CoMoS phase for efficient hydrogen evolution. Applied Surface Science, 2017, 412, 138-145.	6.1	84
41	Facile synthesis of Fe-doped Co9S8 nano-microspheres grown on nickel foam for efficient oxygen evolution reaction. Applied Surface Science, 2018, 454, 46-53.	6.1	84
42	In situ construction of Fe(Co)OOH through ultra-fast electrochemical activation as real catalytic species for enhanced water oxidation. Chemical Engineering Journal, 2021, 426, 131943.	12.7	84
43	High dispersion and electrocatalytic activity of Pd/titanium dioxide nanotubes catalysts for hydrazine oxidation. Journal of Power Sources, 2008, 175, 266-271.	7.8	83
44	One-pot synthesis of hierarchical Ni2P/MoS2 hybrid electrocatalysts with enhanced activity for hydrogen evolution reaction. Applied Surface Science, 2016, 383, 276-282.	6.1	81
45	Hydrogen Evolution Activity of Ruthenium Phosphides Encapsulated in Nitrogenâ€•and Phosphorousâ€Codoped Hollow Carbon Nanospheres. ChemSusChem, 2018, 11, 743-752.	6.8	81
46	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.	10.3	79
47	N-Doped Sandwich-Structured Mo₂C@C@Pt Interface with Ultralow Pt Loading for pH-Universal Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2019, 11, 4047-4056.	8.0	79
48	RuO2/Co3O4 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
49	A study on carbon nanotubes reinforced poly(methyl methacrylate) nanocomposites. Materials Letters, 2005, 59, 2128-2132.	2.6	78
50	WS 2 nanosheets based on liquid exfoliation as effective electrocatalysts for hydrogen evolution reaction. Materials Chemistry and Physics, 2015, 167, 271-277.	4.0	78
51	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.	7.1	78
52	Novel CoxSy/WS2 nanosheets supported on carbon cloth as efficient electrocatalyst for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 4165-4173.	7.1	78
53	Carbon fiber cloth supported interwoven WS2 nanosplates with highly enhanced performances for supercapacitors. Applied Surface Science, 2017, 392, 708-714.	6.1	78
54	A MOF-derived coral-like NiSe@NC nanohybrid: an efficient electrocatalyst for the hydrogen evolution reaction at all pH values. Nanoscale, 2018, 10, 22758-22765.	5.6	78

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55	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
56	Embedding RhP_x in N, P Coâ€Doped Carbon Nanoshells Through Synergetic Phosphorization and Pyrolysis for Efficient Hydrogen Evolution. Advanced Functional Materials, 2019, 29, 1901790.	14.9	76
57	Activating MoS2/CNs by tuning (001) plane as efficient electrocatalysts for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 2088-2095.	7.1	75
58	Three-dimensional VOx/NiS/NF nanosheets as efficient electrocatalyst for oxygen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 10156-10162.	7.1	75
59	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
60	Enhanced wear resistance and micro-hardness of polystyrene nanocomposites by carbon nanotubes. Materials Chemistry and Physics, 2005, 94, 109-113.	4.0	73
61	Crystallographic Structure and Morphology Transformation of MnO₂Nanorods as Efficient Electrocatalysts for Oxygen Evolution Reaction. Journal of the Electrochemical Society, 2016, 163, H67-H73.	2.9	72
62	Novel mesoporous MnO2 for high-rate electrochemical capacitive energy storage. Electrochimica Acta, 2010, 55, 5117-5122.	5.2	68
63	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.	6.1	68
64	Double doping of V and F on Co3O4 nanoneedles as efficient electrocatalyst for oxygen evolution. International Journal of Hydrogen Energy, 2021, 46, 19962-19970.	7.1	68
65	Copper and cobalt co-doped Ni3S2 grown on nickel foam for highly efficient oxygen evolution reaction. Applied Surface Science, 2020, 502, 144172.	6.1	65
66	Performance of polyaniline/multi-walled carbon nanotubes composites as cathode for rechargeable lithium batteries. Materials Chemistry and Physics, 2009, 114, 371-375.	4.0	64
67	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.	5.2	64
68	Facile synthesis of pyrite-type binary nickel iron diselenides as efficient electrocatalyst for oxygen evolution reaction. Applied Surface Science, 2017, 401, 17-24.	6.1	63
69	Recent advances of nonprecious and bifunctional electrocatalysts for overall water splitting. Sustainable Energy and Fuels, 2020, 4, 3211-3228.	4.9	63
70	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.	6.1	61
71	Electrochemically activated NiSe-Ni x S y hybrid nanorods as efficient electrocatalysts for oxygen evolution reaction. Electrochimica Acta, 2016, 220, 536-544.	5.2	60
72	Novel WS2/WO3 heterostructured nanosheets as efficient electrocatalyst for hydrogen evolution reaction. Materials Chemistry and Physics, 2017, 197, 123-128.	4.0	59

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73	Microbial synthesis of bimetallic PdPt nanoparticles for catalytic reduction of 4-nitrophenol. Environmental Science and Pollution Research, 2017, 24, 5249-5258.	5.3	59
74	Carbonâ€“based transition metal sulfides/selenides nanostructures for electrocatalytic water splitting. Journal of Alloys and Compounds, 2021, 852, 156810.	5.5	58
75	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.	5.5	57
76	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.	10.3	57
77	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.	6.1	57
78	Controllable Transformation of Aligned ZnO Nanorods to ZIF-8 as Solid-Phase Microextraction Coatings with Tunable Porosity, Polarity, and Conductivity. Analytical Chemistry, 2019, 91, 5091-5097.	6.5	57
79	N-doped FeP nanorods derived from Fe-MOFs as bifunctional electrocatalysts for overall water splitting. Applied Surface Science, 2020, 507, 145096.	6.1	57
80	A facile synthesis of reduced Co3O4 nanoparticles with enhanced Electrocatalytic activity for oxygen evolution. International Journal of Hydrogen Energy, 2016, 41, 12976-12982.	7.1	56
81	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.	7.1	56
82	Synthesis and Characterization of Microscale Gold Nanoplates Using Langmuir Monolayers of Long-Chain Ionic Liquid. Crystal Growth and Design, 2008, 8, 3840-3846.	3.0	55
83	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.	5.2	54
84	Surface construction of loose Co(OH)2 shell derived from ZIF-67 nanocube for efficient oxygen evolution. Journal of Colloid and Interface Science, 2020, 562, 279-286.	9.4	53
85	Controllable synthesis of three dimensional electrodeposited Coâ€“P nanosphere arrays as efficient electrocatalysts for overall water splitting. RSC Advances, 2016, 6, 52761-52771.	3.6	51
86	Densely packed single-crystal Bi2Fe4O9 nanowires fabricated from a template-induced solâ€“gel route. Journal of Solid State Chemistry, 2006, 179, 3324-3329.	2.9	50
87	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.	7.1	50
88	Nitrogen, phosphorus dual-doped molybdenum-carbide/molybdenum-phosphide-@-carbon nanospheres for efficient hydrogen evolution over the whole pH range. Journal of Colloid and Interface Science, 2018, 513, 151-160.	9.4	49
89	Recent Progress in Decoupled H₂ and O₂ Production from Electrolytic Water Splitting. ChemElectroChem, 2019, 6, 2157-2166.	3.4	49
90	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.	9.4	48

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91	Ionic liquid assisted hydrothermal synthesis of hollow vesicle-like MoS2 microspheres. Materials Letters, 2012, 66, 236-238.	2.6	45
92	Facile synthesis of MoS2/RGO in dimethyl-formamide solvent as highly efficient catalyst for hydrogen evolution. Materials Letters, 2015, 161, 120-123.	2.6	45
93	Hierarchically three-level Ni3(VO4)2@NiCo2O4 nanostructure based on nickel foam towards highly efficient alkaline hydrogen evolution. Electrochimica Acta, 2017, 256, 100-109.	5.2	45
94	Synergistic effect of metallic nickel and cobalt oxides with nitrogen-doped carbon nanospheres for highly efficient oxygen evolution. Chinese Journal of Catalysis, 2020, 41, 1782-1789.	14.0	44
95	Recent development on self-supported transition metal-based catalysts for water electrolysis at large current density. Applied Materials Today, 2021, 22, 100913.	4.3	42
96	Controlled synthesis of highly ordered LaFeO3 nanowires using a citrate-based solâ€“gel route. Materials Research Bulletin, 2006, 41, 274-281.	5.2	41
97	Urchin-Like Nanorods of Binary NiCoS Supported on Nickel Foam for Electrocatalytic Overall Water Splitting. Journal of the Electrochemical Society, 2018, 165, H102-H108.	2.9	41
98	Template-assisted synthesis of highly dispersed MoS2 nanosheets with enhanced activity for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2017, 42, 2054-2060.	7.1	40
99	Preparation and characterization of ruthenium-doped polypyrrole composites for supercapacitor. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 374, 322-326.	5.6	39
100	N, P dual-doped hollow carbon spheres supported MoS2 hybrid electrocatalyst for enhanced hydrogen evolution reaction. Catalysis Today, 2019, 330, 259-267.	4.4	39
101	Design and modulation principles of molybdenum carbide-based materials for green hydrogen evolution. Journal of Energy Chemistry, 2020, 48, 398-423.	12.9	39
102	Aggregation behavior of long-chain imidazolium ionic liquids in ethylammonium nitrate. Colloid and Polymer Science, 2010, 288, 1225-1232.	2.1	38
103	Electrochemical Corrosion Engineering for Niâ€“Fe Oxides with Superior Activity toward Water Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 42217-42224.	8.0	38
104	Electrodeposition of mesoporous manganese dioxide films from lyotropic liquid crystalline phases. Microporous and Mesoporous Materials, 2008, 112, 627-631.	4.4	37
105	Induced Phosphorization-Derived Well-Dispersed Molybdenum Phosphide Nanoparticles Encapsulated in Hollow N-Doped Carbon Nanospheres for Efficient Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2018, 6, 7676-7686.	6.7	37
106	Hierarchical CoSeS nanostructures assisted by Nb doping for enhanced hydrogen evolution reaction. Chinese Journal of Catalysis, 2021, 42, 431-438.	14.0	37
107	Transformation of silver ions to silver nanoparticles mediated by humic acid under dark conditions at ambient temperature. Journal of Hazardous Materials, 2020, 383, 121190.	12.4	36
108	An in situ 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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109	Dispersion of carbon nanotubes by carbazole-tailed amphiphilic imidazolium ionic liquids in aqueous solutions. Journal of Colloid and Interface Science, 2011, 356, 190-195.	9.4	35
110	Advances and Challenges of Fe-MOFs Based Materials as Electrocatalysts for Water Splitting. Applied Materials Today, 2020, 20, 100692.	4.3	35
111	F, P double-doped Fe₃O₄ with abundant defect sites for efficient hydrogen evolution at high current density. Journal of Materials Chemistry A, 0, , .	10.3	35
112	Novel Pt nanoclusters/titanium dioxide nanotubes composites for hydrazine oxidation. Materials Chemistry and Physics, 2010, 120, 404-408.	4.0	34
113	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.	5.5	34
114	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.	6.0	34
115	Recent advances and prospects of MXene-based materials for electrocatalysis and energy storage. Materials Today Physics, 2021, 20, 100469.	6.0	34
116	Phosphorus doped two-dimensional CoFe₂O₄ nanobelts decorated with Ru nanoclusters and Coâ€“Fe hydroxide as efficient electrocatalysts toward hydrogen generation. Inorganic Chemistry Frontiers, 2022, 9, 1847-1855.	6.0	34
117	Interface design and composition regulation of cobalt-based electrocatalysts for oxygen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 10547-10572.	7.1	34
118	A study on microhardness and tribological behavior of carbon nanotubes reinforced AMMA-CNTs copolymer nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 478, 314-318.	5.6	33
119	Interface Charge Engineering of Ultrafine Ru/Ni₂P 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
120	Template induced solâ€“gel synthesis of highly ordered LaNiO3 nanowires. Journal of Solid State Chemistry, 2005, 178, 1157-1164.	2.9	32
121	Heterostructured binary Ni-W sulfides nanosheets as pH-universal electrocatalyst for hydrogen evolution. Applied Surface Science, 2018, 445, 445-453.	6.1	32
122	Ptâ€“C Interfaces Based on Electronegativity-Functionalized Hollow Carbon Spheres for Highly Efficient Hydrogen Evolution. ACS Applied Materials & Interfaces, 2018, 10, 43561-43569.	8.0	32
123	Fe(Co)OOH Dynamically Stable Interface Based on Self-Sacrificial Reconstruction for Long-Term Electrochemical Water Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 17450-17458.	8.0	32
124	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.	7.1	30
125	Surface phosphorsulfurization of NiCo2O4 nanoneedles supported on carbon cloth with enhanced electrocatalytic activity for hydrogen evolution. Electrochimica Acta, 2018, 290, 339-346.	5.2	30
126	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

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127	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
128	Metallic MoO layer promoting high-valence Mo doping into CoP nanowires with ultrahigh activity for hydrogen evolution at 2000ÂmAÂcm-2. Applied Catalysis B: Environmental, 2022, 309, 121230.	20.2	29
129	ZrO2 Nanoparticles Synthesized using Ionic Liquid Microemulsion. Journal of Dispersion Science and Technology, 2007, 28, 1030-1033.	2.4	26
130	Biogenic gold nanoparticles-reduced graphene oxide nanohybrid: synthesis, characterization and application in chemical and biological reduction of nitroaromatics. RSC Advances, 2015, 5, 97798-97806.	3.6	26
131	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.	5.2	26
132	Tailoring electron transfer with Ce integration in ultrathin Co(OH)2 nanosheets by fast microwave for oxygen evolution reaction. Journal of Energy Chemistry, 2021, 59, 299-305.	12.9	26
133	High-pressure microwave-assisted synthesis of WSx/Ni9S8/NF hetero-catalyst for efficient oxygen evolution reaction. Rare Metals, 2021, 40, 1048-1055.	7.1	26
134	Optimized bimetallic nickel-iron phosphides with rich defects as enhanced electrocatalysts for oxygen evolution reaction. Journal of Colloid and Interface Science, 2019, 537, 11-19.	9.4	25
135	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
136	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.	6.1	24
137	Promoting Oxygen Evolution by Deep Reconstruction via Dynamic Migration of Fluorine Anions. ACS Applied Materials & Interfaces, 2021, 13, 34438-34446.	8.0	24
138	Amorphous-crystalline catalytic interface of CoFeOH/CoFeP with double sites based on ultrafast hydrolysis for hydrogen evolution at high current density. Journal of Power Sources, 2021, 507, 230279.	7.8	24
139	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
140	Tailoring the d-band centers of FeP nanobelt arrays by fluorine doping for enhanced hydrogen evolution at high current density. Fuel, 2022, 316, 123206.	6.4	24
141	Dynamic anion regulation to construct S-doped FeOOH realizing 1000ÂmAÂcmâ^'2â€'levelâ€'currentâ€'density oxygen evolution over 1000Âh. Applied Catalysis B: Environmental, 2022, 315, 121571.	20.2	24
142	Solâ€"gel template synthesis and characterization of LaCoO3 nanowires. Applied Physics A: Materials Science and Processing, 2006, 84, 117-122.	2.3	23
143	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.	5.2	23
144	Underpotential deposition promoting low Pt loading on MoO2/MoS2 heterostructure towards wide pH green hydrogen evolution. Fuel, 2022, 324, 124343.	6.4	23

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145	Preparation and tribological properties of poly(methyl methacrylate)/styrene/MWNTs copolymer nanocomposites. Journal of Applied Polymer Science, 2008, 108, 1675-1679.	2.6	22
146	Facile Synthesis of Highly Dispersed WO₃Â·H₂O and WO₃Nanoplates for Electrocatalytic Hydrogen Evolution. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	22
147	Amorphousâ€“crystalline FeNi₂S₄@NiFeâ€“LDH nanograsses with molten salt as an industrially promising electrocatalyst for oxygen evolution. Inorganic Chemistry Frontiers, 2022, 9, 2068-2080.	6.0	22
148	Ternary Ni-Fe-V sulfides bundles on nickel foam as free-standing hydrogen evolution electrodes in alkaline medium. Electrochimica Acta, 2017, 256, 241-251.	5.2	20
149	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.	6.1	20
150	In situ formation of ultrathin C3N4 layers on metallic WO2 nanorods for efficient hydrogen evolution. Applied Surface Science, 2019, 487, 945-950.	6.1	20
151	Reduction tuning of ultrathin carbon shell armor covering IrP₂ for accelerated hydrogen evolution kinetics with Pt-like performance. Journal of Materials Chemistry A, 2021, 9, 2195-2204.	10.3	20
152	Fabrication and structural properties of LaFeO3 nanowires by an ethanolâ€“ammonia-based solâ€“gel template route. Applied Physics A: Materials Science and Processing, 2005, 81, 453-457.	2.3	19
153	Enhanced bioreduction of nitrobenzene by reduced graphene oxide materials: effects of surface modification and coexisting soluble electron shuttles. Environmental Science and Pollution Research, 2017, 24, 26874-26880.	5.3	19
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