

# An Fe-doped nickel selenide nanorod/nanosheet hierarchical structure for efficient photo-driven water splitting

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Citation Report

#	ARTICLE	IF	CITATIONS
1	In situ electrochemical oxidation of electrodeposited Ni-based nanostructure promotes alkaline hydrogen production. <i>Nanotechnology</i> , 2019, 30, 474001.	1.3	5
2	Fe-doped Ni <sub>3</sub> S <sub>2</sub> Nanowires with Surface-Restricted Oxidation Toward High-Current-Density Overall Water Splitting. <i>ChemElectroChem</i> , 2019, 6, 4550-4559.	1.7	48
3	Co doped Ni <sub>0.85</sub> Se nanoparticles on RGO as efficient electrocatalysts for hydrogen evolution reaction. <i>Applied Surface Science</i> , 2019, 494, 749-755.	3.1	44
4	Fabrication of Te@NiTe <sub>2</sub> /NiS heterostructures for electrocatalytic hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 328, 135075.	2.6	28
5	Electronic Structure and Crystalline Phase Dual Modulation via Anion-Cation Co-doping for Boosting Oxygen Evolution with Long-Term Stability Under Large Current Density. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34819-34826.	4.0	33
6	Direct Growth of CNTs@CoS <sub>x</sub> Se <sub>2</sub> (1-x)/ on Carbon Cloth for Overall Water Splitting. <i>ChemSusChem</i> , 2019, 12, 3792-3800.	3.6	44
7	Electric field endowing the conductive polyvinylidene fluoride (PVDF)-graphene oxide (GO)-nickel (Ni) membrane with high-efficient performance for dye wastewater treatment. <i>Applied Surface Science</i> , 2019, 483, 1006-1016.	3.1	72
8	Nickel iron carbonate hydroxide hydrate decorated with CeO <sub>x</sub> for highly efficient oxygen evolution reaction. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 3449-3458.	1.2	13
9	Rational design of ultrathin 2D tin nickel selenide nanosheets for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24462-24476.	5.2	44
10	Binary nickel iron phosphide composites with oxidized surface groups as efficient electrocatalysts for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3518-3524.	2.5	17
11	Carbon nanofibers@NiSe core/sheath nanostructures as efficient electrocatalysts for integrating highly selective methanol conversion and less-energy intensive hydrogen production. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25878-25886.	5.2	57
12	Prognostic role of RECK in pathological outcome-dependent buccal mucosa squamous cell carcinoma. <i>Oral Diseases</i> , 2020, 26, 62-71.	1.5	4
13	Highly efficient Ni nanotube arrays and Ni nanotube arrays coupled with NiFe layered-double-hydroxide electrocatalysts for overall water splitting. <i>Journal of Power Sources</i> , 2020, 448, 227434.	4.0	41
14	Experimental and Theoretical Insights of MoS <sub>2</sub> /Mo <sub>3</sub> N <sub>2</sub> Nanoribbon-Electrocatalysts for Efficient Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2020, 12, 122-128.	1.8	10
15	Straightforward fabrication of robust Fe-doped Ni <sub>3</sub> Se <sub>2</sub> supported nickel foam as a highly efficient electrocatalyst for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1150-1156.	2.5	25
16	Efficient and stable Ni-Co-Fe-P nanosheet arrays on Ni foam for alkaline and neutral hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 2504-2512.	3.8	35
17	Nanocoral-like NiSe <sub>2</sub> modified with CeO <sub>2</sub> : A highly active and durable electrocatalyst for hydrogen evolution in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 28682-28695.	3.8	15
18	Design and operando/in situ characterization of precious-metal-free electrocatalysts for alkaline water splitting. , 2020, 2, 582-613.		105

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19	Mulberry <sup>â€</sup> Inspired Nickel <sup>â€</sup> Niobium Phosphide on Plasma <sup>â€</sup> Defect <sup>â€</sup> Engineered Carbon Support for High <sup>â€</sup> Performance Hydrogen Evolution. <i>Small</i> , 2020, 16, e2004843.	5.2	30
20	One step preparation of Fe doped CoSe <sub>2</sub> supported on nickel foam by facile electrodeposition method as a highly efficient oxygen evolution reaction electrocatalyst. <i>Journal of Electroanalytical Chemistry</i> , 2020, 878, 114595.	1.9	21
21	Ceria Supported Nickel(0) Nanoparticles: A Highly Active and Low Cost Electrocatalyst for Hydrogen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2020, 167, 106513.	1.3	8
22	Conversion Reaction Mechanism of Ultrafine Bimetallic Co <sup>â€</sup> Fe Selenides Embedded in Hollow Mesoporous Carbon Nanospheres and Their Excellent K <sup>â€</sup> ion Storage Performance. <i>Small</i> , 2020, 16, e2002345.	5.2	54
23	Metal <sup>â€</sup> Organic Framework-Derived Fe-Doped Ni <sub>3</sub> /NiFe <sub>2</sub> O <sub>4</sub> Heteronanoparticle-Decorated Carbon Nanotube Network as a Highly Efficient and Durable Bifunctional Electrocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55782-55794.	4.0	52
24	High performance of multi-layered alternating Ni <sup>â€</sup> Fe <sup>â€</sup> P and Co <sup>â€</sup> P films for hydrogen evolution. <i>Green Energy and Environment</i> , 2022, 7, 75-85.	4.7	10
25	A multi-interfacial FeOOH@NiCo <sub>2</sub> O <sub>4</sub> heterojunction as a highly efficient bifunctional electrocatalyst for overall water splitting. <i>Nanoscale</i> , 2020, 12, 19404-19412.	2.8	38
26	Iron-cobalt bimetallic selenide as effective and durable catalyst for HER and OER. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 565, 012068.	0.2	3
27	Regulation of the electronic structure of Co <sub>4</sub> N with novel Nb to form hierarchical porous nanosheets for electrocatalytic overall water splitting. <i>Materials Today Physics</i> , 2020, 15, 100268.	2.9	30
28	Fabrication of Nonmetal-Modulated Dual Metal <sup>â€</sup> Organic Platform for Overall Water Splitting and Rechargeable Zinc <sup>â€</sup> Air Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41704-41717.	4.0	43
29	Fe-doped Ni <sub>3</sub> S <sub>2</sub> nanoneedles directly grown on Ni foam as highly efficient bifunctional electrocatalysts for alkaline overall water splitting. <i>Electrochimica Acta</i> , 2020, 361, 137080.	2.6	60
30	Regulation of Morphology and Electronic Structure of NiSe <sub>2</sub> by Fe for High Effective Oxygen Evolution Reaction. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3845-3852.	1.7	17
31	Nickel Selenide Quantum Dot Applications in Electrocatalysis and Sensors. <i>Electroanalysis</i> , 2020, 32, 2603-2614.	1.5	6
32	Construction of a Pliable Electrode System for Effective Electrochemical Oxygen Evolution Reaction: Direct Growth of Nickel/Iron/Selenide Nanohybrids on Nickel Foil. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13859-13867.	3.2	12
33	Tailoring the electronic structure by constructing the heterointerface of RuO <sub>2</sub> <sup>â€</sup> NiO for overall water splitting with ultralow overpotential and extra-long lifetime. <i>Journal of Materials Chemistry A</i> , 2020, 8, 18945-18954.	5.2	29
34	Mesoporous Thin-Film NiS <sub>2</sub> as an Idealized Pre-Electrocatalyst for a Hydrogen Evolution Reaction. <i>ACS Catalysis</i> , 2020, 10, 15114-15122.	5.5	58
35	Molybdenum Selenide nanosheets Surrounding nickel Selenides Sub-microislands on nickel foam as high-performance bifunctional electrocatalysts for water Splitting. <i>Electrochimica Acta</i> , 2020, 349, 136336.	2.6	34
36	Fe, Al-co-doped NiSe <sub>2</sub> nanoparticles on reduced graphene oxide as an efficient bifunctional electrocatalyst for overall water splitting. <i>Nanoscale</i> , 2020, 12, 13680-13687.	2.8	42

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37	In situ growth of Co <sub>0.85</sub> Se nanoflakes on Co foam as bifunctional electrocatalysts for water splitting. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9385-9393.	1.1	3
38	Recent progress in transition metal selenide electrocatalysts for water splitting. <i>Nanoscale</i> , 2020, 12, 12249-12262.	2.8	202
39	Ni <sub>3</sub> Se <sub>2</sub> /NiSe <sub>2</sub> heterostructure nanoforests as an efficient bifunctional electrocatalyst for high-capacity and long-life Li-O <sub>2</sub> batteries. <i>Journal of Power Sources</i> , 2020, 468, 228308.	4.0	38
40	Hierarchical Porous NiS@NiO Nanoarrays in Situ Grown on Nickel Foam as Superior Electrocatalyst for Water Splitting. <i>International Journal of Electrochemical Science</i> , 2020, 15, 3563-3577.	0.5	7
41	Multiphase Ni-Fe-selenide nanosheets for highly-efficient and ultra-stable water electrolysis. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119220.	10.8	52
42	Rational design of hollow core-double shells hybrid nanoboxes and nanopipes composed of hierarchical Cu-Ni-Co selenides anchored on nitrogen-doped carbon skeletons as efficient and stable bifunctional electrocatalysts for overall water splitting. <i>Chemical Engineering Journal</i> , 2020, 402, 126174.	6.6	69
43	Bifunctionality behavior of phase controlled nickel selenides in alkaline water electrolysis application. <i>Electrochimica Acta</i> , 2020, 354, 136742.	2.6	23
44	Crystal phase tuning and valence engineering in non-noble catalysts for outstanding overall water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4524-4532.	5.2	13
45	CoO/NF nanowires promote hydrogen and oxygen production for overall water splitting in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8031-8040.	3.8	27
46	Pt nanoparticles/Fe-doped Ni(OH) <sub>2</sub> nanosheets array with low Pt loading as a high-performance electrocatalyst for alkaline hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153790.	2.8	17
47	Developing Indium-based Ternary Spinel Selenides for Efficient Solid Flexible Zn-Air Batteries and Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 8115-8123.	4.0	38
48	Hybrid niobium and titanium nitride nanotube arrays implanted with nanosized amorphous rhenium-nickel: An advanced catalyst electrode for hydrogen evolution reactions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6461-6475.	3.8	18
49	Efficient Polysulfide Redox Enabled by Lattice-Distorted Ni <sub>3</sub> Fe Intermetallic Electrocatalyst-Modified Separator for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19572-19580.	4.0	72
50	Electrodeposited NiSe on a forest of carbon nanotubes as a free-standing electrode for hybrid supercapacitors and overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2020, 574, 300-311.	5.0	83
51	Self-Epitaxial Hetero-Nanolayers and Surface Atom Reconstruction in Electrocatalytic Nickel Phosphides. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21616-21622.	4.0	9
52	The Dependence and Evolution Mechanism of Surface Structure of Electrodeposited Ni Films on Wettability. <i>Journal of the Electrochemical Society</i> , 2020, 167, 063506.	1.3	7
53	Fe-leaching induced surface reconstruction of Ni-Fe alloy on N-doped carbon to boost oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2020, 394, 124977.	6.6	61
54	Bonding interface boosts the intrinsic activity and durability of NiSe@Fe <sub>2</sub> O <sub>3</sub> heterogeneous electrocatalyst for water oxidation. <i>Science Bulletin</i> , 2021, 66, 52-61.	4.3	44

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55	Enhanced oxygen evolution reaction activity of flower-like FeOOH via the synergistic effect of sulfur. <i>Chemical Engineering Journal</i> , 2021, 420, 127587.	6.6	38
56	Facile synthesis of nanoflower-like phosphorus-doped Ni <sub>3</sub> S <sub>2</sub> /CoFe <sub>2</sub> O <sub>4</sub> arrays on nickel foam as a superior electrocatalyst for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 774-782.	5.0	99
57	In situ construction of N-doped amorphous CoFe selenites toward efficient electrocatalytic water oxidation. <i>Journal of Power Sources</i> , 2021, 483, 229196.	4.0	15
58	Synergistically modulating electronic structure of NiS <sub>2</sub> hierarchical architectures by phosphorus doping and sulfur-vacancies defect engineering enables efficient electrocatalytic water splitting. <i>Chemical Engineering Journal</i> , 2021, 420, 127630.	6.6	83
59	Self-supported Ni <sub>3</sub> Se <sub>2</sub> @NiFe layered double hydroxide bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 79-89.	5.0	89
60	Nickel selenide from single-molecule electrodeposition for efficient electrocatalytic overall water splitting. <i>New Journal of Chemistry</i> , 2021, 45, 351-357.	1.4	20
61	Nanoboxes endow non-noble-metal-based electrocatalysts with high efficiency for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 857-874.	5.2	100
62	3/4 Co <sup>3+</sup> 1/4 Ni <sup>2+</sup> layered double hydroxide with Ni <sup>2+</sup> doping for efficient electrocatalytic overall water splitting. <i>Science China Materials</i> , 2021, 64, 1-26.		
63	Two-dimension on two-dimension growth: hierarchical Ni <sub>0.2</sub> Mo <sub>0.8</sub> N/Fe-doped Ni <sub>3</sub> N nanosheet array for overall water splitting. <i>RSC Advances</i> , 2021, 11, 19797-19804.	1.7	7
64	Tuning the intrinsic catalytic activities of oxygen-evolution catalysts by doping: a comprehensive review. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20131-20163.	5.2	110
65	Heteroatom Doping of Non-Noble Metal Based Catalysts for Electrocatalytic Hydrogen Evolution: An Electronic Structure Tuning Strategy. <i>Small Methods</i> , 2021, 5, e2000988.	4.6	165
66	Efficient water oxidation using flower-like multiphase nickel hydroxide with Fe doping. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2228-2233.	2.5	7
67	A Trimetallic Cobalt/Iron/Nickel Phytate Catalyst for Overall Water Splitting: Fabrication by Magnetic Field Assisted Bipolar Electrodeposition. <i>ChemPlusChem</i> , 2021, 86, 184-190.	1.3	7
68	Metal-organic framework derived hierarchical zinc nickel selenide/nickel hydroxide microflower supported on nickel foam with enhanced electrochemical properties for supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 3649-3660.	1.1	13
69	Fe, Ni-codoped W <sub>18</sub> O <sub>49</sub> grown on nickel foam as a bifunctional electrocatalyst for boosted water splitting. <i>Dalton Transactions</i> , 2021, 50, 11604-11609.	1.6	3
70	Hybrid layered double hydroxides as multifunctional nanomaterials for overall water splitting and supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2021, 9, 4528-4557.	5.2	98
71	A Complementary Co-Ni Phosphide/Bimetallic Alloy Interpersed N-Doped Graphene Electrocatalyst for Overall Alkaline Water Splitting. <i>ChemSusChem</i> , 2021, 14, 1921-1935.	3.6	42
72	Tuning the morphologic and electronic structures of self-assembled NiSe/Ni <sub>3</sub> Se <sub>2</sub> heterostructures with vanadium doping toward efficient electrocatalytic hydrogen production. <i>Applied Surface Science</i> , 2021, 542, 148598.	3.1	20

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73	Ni <sub>0.85</sub> Se/MoSe <sub>2</sub> Interfacial Structure: An Efficient Electrocatalyst for Alkaline Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2021, 4, 2828-2837.	2.5	60
74	Flower-like FeCoM (M=S, O, P and Se) Nanosheet Arrays Grown on Nickel Foam as High-efficiency Bifunctional Electrocatalysts. Chemistry - an Asian Journal, 2021, 16, 959-965.	1.7	6
75	Iron doped nickel ditelluride hierarchical nanoflakes arrays directly grown on nickel foam as robust electrodes for oxygen evolution reaction. Electrochimica Acta, 2021, 371, 137830.	2.6	44
76	Improving the Catalytic Efficiency of NiFe-LDH/ATO by Air Plasma Treatment for Oxygen Evolution Reaction. Chemical Research in Chinese Universities, 2021, 37, 293-297.	1.3	16
77	A Co <sub>3</sub> O <sub>4</sub> /CuO composite nanowire array as low-cost and efficient bifunctional electrocatalyst for water splitting. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	9
78	Iron, manganese co-doped Ni <sub>3</sub> S <sub>2</sub> nanoflowers in situ assembled by ultrathin nanosheets as a robust electrocatalyst for oxygen evolution reaction. Journal of Colloid and Interface Science, 2021, 588, 248-256.	5.0	94
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80	Electrocatalysts for the hydrogen evolution reaction in alkaline and neutral media. A comparative review. Journal of Power Sources, 2021, 493, 229708.	4.0	151
81	Co(OH) <sub>2</sub> Nanosheets Array Doped by Cu <sup>2+</sup> Ions with Optimal Electronic Structure for Urea-Assisted Electrolytic Hydrogen Generation. ChemElectroChem, 2021, 8, 1881-1891.	1.7	10
82	Ultras-small Pt Nanoparticles-Loaded Crystalline MoO <sub>2</sub> /Amorphous Ni(OH) <sub>2</sub> Hybrid Nanofilms with Enhanced Water Dissociation and Sufficient Hydrogen Spillover for Hydrogen Generation. ACS Sustainable Chemistry and Engineering, 2021, 9, 8257-8269.	3.2	18
83	One-step electrodeposited NiFeMo hybrid film for efficient hydrogen production via urea electrolysis and water splitting. Applied Surface Science, 2021, 552, 149514.	3.1	55
84	Corrosion engineering derived Ga doped CoSe <sub>2</sub> nanosheets intrinsically active for oxygen evolution reaction. Journal of Power Sources, 2021, 497, 229895.	4.0	23
85	Synergizing aliovalent doping and interface in heterostructured NiV nitride@oxyhydroxide core-shell nanosheet arrays enables efficient oxygen evolution. Nano Energy, 2021, 85, 105961.	8.2	55
86	Ultrathin NiSe Nanosheets on Ni Foam for Efficient and Durable Hydrazine-Assisted Electrolytic Hydrogen Production. ACS Applied Materials & Interfaces, 2021, 13, 34457-34467.	4.0	49
87	A novel electrochemical ammonia nitrogen sensor based on carbon cloth-supported hierarchical Pt nanosheets-Ni(OH) <sub>2</sub> nanosheets nanocomposites. Chemical Engineering Science, 2021, 239, 116634.	1.9	14
88	Hexagonal CoFe <sub>2</sub> O <sub>4</sub> /Ni(OH) <sub>2</sub> heterojunction composite as an advanced electrocatalyst for the oxygen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 27874-27882.	3.8	14
89	Engineering cobalt sulfide/oxide heterostructure with atomically mixed interfaces for synergistic electrocatalytic water splitting. Nano Research, 2022, 15, 1246-1253.	5.8	43
90	Band Gap Tuning of Covalent Triazine-Based Frameworks through Iron Doping for Visible-Light-Driven Photocatalytic Hydrogen Evolution. ChemSusChem, 2021, 14, 3850-3857.	3.6	19

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91	Efficient electrocatalytic overall water splitting and structural evolution of cobalt iron selenide by one-step electrodeposition. <i>Journal of Energy Chemistry</i> , 2021, 60, 194-201.	7.1	56
92	Synergistically Interfaced Bifunctional Transition Metal Selenides for High-Rate Hydrogen Production Via Urea Electrolysis. <i>ChemCatChem</i> , 2022, 14, .	1.8	6
93	The FeOOH Decorated Fe-Doped Nickel Selenide Hierarchical Array for High-Performance Water Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 6146-6155.	1.8	4
94	Electrocatalysts for the oxygen evolution reaction in alkaline and neutral media. A comparative review. <i>Journal of Power Sources</i> , 2021, 507, 230072.	4.0	93
95	Recent Progress and Prospective of Nickel Selenide-Based Electrocatalysts for Water Splitting. <i>Energy &amp; Fuels</i> , 2021, 35, 14283-14303.	2.5	32
96	Boosting oxygen evolution activity of NiFe layered double hydroxide through interface engineering assisted with naturally-hierarchical wood. <i>Chemical Engineering Journal</i> , 2021, 421, 129751.	6.6	41
97	Copper-Incorporated heterostructures of amorphous NiSex/Crystalline NiSe2 as an efficient electrocatalyst for overall water splitting. <i>Chemical Engineering Journal</i> , 2021, 422, 130048.	6.6	54
98	Regulating the electronic structure of Ni3S2 nanorods by heteroatom vanadium doping for high electrocatalytic performance. <i>Electrochimica Acta</i> , 2021, 395, 139180.	2.6	13
99	Anion-cation-dual doped tremella-like nickel phosphides for electrocatalytic water oxidation. <i>Chemical Engineering Journal</i> , 2021, 426, 130718.	6.6	46
100	Unlocking the synergy of interface and oxygen vacancy by core-shell nickel phosphide@oxyhydroxide nanosheets arrays for accelerating alkaline oxygen evolution kinetics. <i>Chemical Engineering Journal</i> , 2021, 425, 131491.	6.6	25
101	Nanosized monometallic selenides heterostructures implanted into metal organic frameworks-derived carbon for efficient lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 884, 161151.	2.8	9
102	Boosting overall water splitting by incorporating sulfur into NiFe (oxy)hydroxide. <i>Journal of Energy Chemistry</i> , 2022, 64, 364-371.	7.1	68
103	Iron, rhodium-codoped Ni2P nanosheets arrays supported on nickel foam as an efficient bifunctional electrocatalyst for overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 888-896.	5.0	122
104	Recent Advances in Non-Precious Metal-Based Electrodes for Alkaline Water Electrolysis. <i>ChemNanoMat</i> , 2020, 6, 336-355.	1.5	92
105	Interface engineering of NiSe/Ni3S2 nanostructures as an efficient self-supported electrode for water oxidation in alkaline media. <i>Applied Surface Science</i> , 2020, 526, 146745.	3.1	14
106	Multiscale structural optimization: Highly efficient hollow iron-doped metal sulfide heterostructures as bifunctional electrocatalysts for water splitting. <i>Nano Energy</i> , 2020, 75, 104913.	8.2	119
107	A Review on Advanced FeNi-Based Catalysts for Water Splitting Reaction. <i>Energy &amp; Fuels</i> , 2020, 34, 13491-13522.	2.5	158
108	NiSe/Ni <sub>3</sub> Se <sub>2</sub> on nickel foam as an ultra-high-rate HER electrocatalyst: common anion heterostructure with built-in electric field and efficient interfacial charge transfer. <i>RSC Advances</i> , 2021, 11, 34432-34439.	1.7	8

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109	Interface engineering of Ni <sub>3</sub> Se <sub>2</sub> @FeOOH heterostructure nanoforests for highly-efficient overall water splitting. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162244.	2.8	38
110	Bifunctional nanocatalysts for water splitting and its challenges. , 2020, , 59-95.		1
111	A fast micro-“nano liquid layer induced construction of scaled-up oxyhydroxide based electrocatalysts for alkaline water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26777-26787.	5.2	27
112	NiFe Layered Double Hydroxides Grown on a Corrosion-Cell Cathode for Oxygen Evolution Electrocatalysis. <i>Advanced Energy Materials</i> , 2022, 12, 2102372.	10.2	51
113	Dual Modification of Carbon Support Enables Robust Anchoring of Ruthenium Nanoclusters for Efficient Hydrogen Evolution and Aromatic Nitroreduction. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101564.	1.9	4
114	Ni <sub>3</sub> S <sub>2</sub> /Cu-“NiCo LDH heterostructure nanosheet arrays on Ni foam for electrocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27639-27650.	5.2	74
115	One-pot synthesis of TEA functionalized and NiSe embedded rGO nanocomposites for supercapacitor application. <i>Dalton Transactions</i> , 2022, 51, 1542-1552.	1.6	6
116	Interfacial electronic modulation on heterostructured NiSe@CoFe LDH nanoarrays for enhancing oxygen evolution reaction and water splitting by facilitating the deprotonation of OH to O. <i>Chemical Engineering Journal</i> , 2022, 431, 134080.	6.6	85
117	Ru doping NiCoP hetero-nanowires with modulated electronic structure for efficient overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 213-220.	5.0	27
118	Efficient synergism of NiO-NiSe <sub>2</sub> nanosheet-based heterostructures shelled titanium nitride array for robust overall water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 612, 121-131.	5.0	10
119	Research progress and future aspects: Metal selenides as effective electrodes. <i>Energy Storage Materials</i> , 2022, 47, 13-43.	9.5	92
120	Bicontinuous Nanoporous Nitrogen/Carbon-Codoped FeCoNiMg Alloy as a High-Performance Electrode for the Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 784-793.	4.0	18
121	<i>In situ</i> growth of SeO <sub>x</sub> films on the surface of Ni-“Fe-“selenide nanosheets as highly active and stable electrocatalysts for the oxygen evolution reaction. <i>Materials Advances</i> , 2022, 3, 2546-2557.	2.6	8
122	Rapid electrodeposition of Fe-doped nickel selenides on Ni foam as a bi-functional electrocatalyst for water splitting in alkaline solution. <i>Journal of Electroanalytical Chemistry</i> , 2022, 906, 116014.	1.9	16
123	Layered double hydroxide-derived Fe-doped NiSe cathode toward stable and high-energy aluminum storage. <i>Materials Today Energy</i> , 2022, 24, 100940.	2.5	4
124	Facile Synthesis of Amorphous Bimetallic Hydroxide on Fe- Doped Ni <sub>3</sub> s <sub>2</sub> as an Active Electrocatalyst for Oxygen Evolution Reaction. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
125	Three-Dimensional Flower-Like Bimetallic Nickel-“Iron Selenide for Efficient Oxygen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5131-5137.	1.5	13
126	Highly Active and Durable NiCoSeP Nanostructured Electrocatalyst for Large-Current-Density Hydrogen Production. <i>ACS Applied Energy Materials</i> , 2022, 5, 2937-2948.	2.5	35



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