

Lei Wang

List of Publications by Year in descending order

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312
papers

16,857
citations

17440

63
h-index

21540

114
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313
all docs

313
docs citations

313
times ranked

14332
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface engineering of metal nanomaterials enhance the electrocatalytic water splitting and fuel cell performance. <i>Electrochemical Science Advances</i> , 2022, 2, e202100066.	2.8	1
2	N, P-doped carbon supported ruthenium doped Rhenium phosphide with porous nanostructure for hydrogen evolution reaction using sustainable energies. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1874-1881.	9.4	24
3	Noble metal aerogels rapidly synthesized by ultrasound for electrocatalytic reaction. <i>Chinese Chemical Letters</i> , 2022, 33, 2021-2025.	9.0	8
4	1D/3D Heterogeneous Assembling Body as Trifunctional Electrocatalysts Enabling Zinc-Air Battery and Self-Powered Overall Water Splitting. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	88
5	Rapid microwave synthesis of Ru-supported partially carbonized conductive metal-organic framework for efficient hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022, 431, 133247.	12.7	23
6	Chemically coupled OD-3D hetero-structure of Co ₉ S ₈ -Ni ₃ S ₄ hollow spheres for Zn-based supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 430, 132836.	12.7	23
7	Facile synthesis of MoP-Ru ₂ P on porous N, P co-doped carbon for efficiently electrocatalytic hydrogen evolution reaction in full pH range. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120879.	20.2	111
8	Noble Metal (Pt, Rh, Pd, Ir) Doped Ru/CNT Ultra-Small Alloy for Acidic Hydrogen Evolution at High Current Density. <i>Small</i> , 2022, 18, e2104559.	10.0	28
9	Rapid and large-scale synthesis of ultra-small immiscible alloy supported catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120916.	20.2	20
10	Coordination engineering of cobalt phthalocyanine by functionalized carbon nanotube for efficient and highly stable carbon dioxide reduction at high current density. <i>Nano Research</i> , 2022, 15, 3056-3064.	10.4	40
11	Unique Cd _{0.5} Zn _{0.5} S/WO ₃ direct Z-scheme heterojunction with S, O vacancies and twinning superlattices for efficient photocatalytic water-splitting. <i>Dalton Transactions</i> , 2022, 51, 1150-1162.	3.3	10
12	Mixture Phases Engineering of PtFe Nanofoams for Efficient Hydrogen Evolution. <i>Small</i> , 2022, 18, e2106947.	10.0	24
13	Porous direct Z-scheme heterostructures of S-deficient CoS/CdS hexagonal nanoplates for robust photocatalytic H ₂ generation. <i>CrystEngComm</i> , 2022, 24, 404-416.	2.6	8
14	Insight into the coordinating mechanism of multi-electron reaction and structural stability induced by K ⁺ pre-intercalation for magnesium ions batteries. <i>Nano Energy</i> , 2022, 93, 106838.	16.0	20
15	Facile fabrication of CdSe/CuInS ₂ microflowers with efficient photocatalytic hydrogen production activity. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 8294-8302.	7.1	49
16	A rapid <i>in situ</i> electrochemical transformation of the biphasic Zn ₃ (OH) ₂ V ₂ O ₇ ·2H ₂ O/NH ₄ V ₄ O ₆ composite for high capacity and long cycling life aqueous rechargeable zinc ion batteries. <i>CrystEngComm</i> , 2022, 24, 1285-1291.	2.6	6
17	MnO ₂ nanosheet modified N, P co-doping carbon nanofibers on carbon cloth as lithiophilic host to construct high-performance anodes for Li metal batteries. <i>Journal of Energy Chemistry</i> , 2022, 69, 270-281.	12.9	20
18	Designing porous and stable Au-coated Ni nanosheets on Ni foam for quasi-symmetrical polymer Li-air batteries. <i>Materials Chemistry Frontiers</i> , 2022, 6, 352-359.	5.9	1

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19	Heterostructure of RuO ₂ â€RuP ₂ /Ru Derived from HMTâ€based Coordination Polymers as Superior pHâ€Universal Electrocatalyst for Hydrogen Evolution Reaction. <i>Small</i> , 2022, 18, e2105168.	10.0	19
20	Protecting the state of Cu clusters and nanoconfinement engineering over hollow mesoporous carbon spheres for electrocatalytical C-C coupling. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121111.	20.2	42
21	A carbonyl-rich covalent organic framework as a high-performance cathode material for aqueous rechargeable zinc-ion batteries. <i>Chemical Science</i> , 2022, 13, 2385-2390.	7.4	66
22	Systematic Engineering on Niâ€Based Nanocatalysts Effectively Promote Hydrogen Evolution Reaction. <i>Small</i> , 2022, 18, e2108072.	10.0	25
23	PVP-induced synergistic engineering of interlayer, self-doping, active surface and vacancies in VS ₄ for enhancing magnesium ions storage and durability. <i>Energy Storage Materials</i> , 2022, 47, 211-222.	18.0	36
24	Platinum Clusters Anchored Amorphous NiMo Hydroxide with Collaborative Electronic Transfer for Overall Water Splitting under High Current Density. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	4
25	Reinforced concrete inspired Si/rGO/cPAN hybrid electrode: highly improved lithium storage <i>via</i> Si electrode nanoarchitecture engineering. <i>Nanoscale</i> , 2022, 14, 6488-6496.	5.6	11
26	Phosphorus doped two-dimensional CoFe ₂ O ₄ nanobelts decorated with Ru nanoclusters and Coâ€Fe hydroxide as efficient electrocatalysts toward hydrogen generation. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1847-1855.	6.0	34
27	An <i>in situ</i> generated 3D porous nanostructure on 2D nanosheets to boost the oxygen evolution reaction for water-splitting. <i>Nanoscale</i> , 2022, 14, 4566-4572.	5.6	36
28	Coupling of Nâ€Doped Mesoporous Carbon and Naâ€Ti ₃ C ₂ in 2D Sandwiched Heterostructure for Enhanced Oxygen Electroreduction. <i>Small</i> , 2022, 18, e2106581.	10.0	14
29	Superfast tellurizing synthesis of unconventional phase-controlled small Pd-Te nanoparticles. <i>Science China Materials</i> , 2022, 65, 1853-1860.	6.3	2
30	Creating Hybrid Coordination Environment in Feâ€Based Single Atom Catalyst for Efficient Oxygen Reduction. <i>ChemSusChem</i> , 2022, 15, .	6.8	12
31	Pencilâ€Drawing Graphite Nanosheets: A Simple and Effective Cathode for Highâ€Capacity Aluminum Batteries. <i>Small Methods</i> , 2022, 6, e2200026.	8.6	4
32	Metal-organic framework-derived multifunctional photocatalysts. <i>Chinese Journal of Catalysis</i> , 2022, 43, 971-1000.	14.0	64
33	High-entropy phosphate/C hybrid nanosheets for efficient acidic hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 437, 135375.	12.7	21
34	A tube-like dual Z-scheme indium oxide@indium phosphide/cuprous oxide photocatalyst based on metalâ€organic framework for efficient CO ₂ reduction with water. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 532-539.	9.4	22
35	Strategy of cation/anion co-doping for potential elevating of VS ₄ cathode for magnesium ion batteries. <i>Chemical Engineering Journal</i> , 2022, 439, 135778.	12.7	20
36	Porous PdWM (M = Nb, Mo and Ta) Trimetallene for High C ₁ Selectivity in Alkaline Ethanol Oxidation Reaction. <i>Advanced Science</i> , 2022, 9, e2103722.	11.2	41

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37	Corrosive-coordinate engineering to construct 2D-3D nanostructure with trace Pt as efficient bifunctional electrocatalyst for overall water splitting. <i>Science China Materials</i> , 2022, 65, 1217-1224.	6.3	34
38	Anionic organo-hydrogel electrolyte with enhanced ionic conductivity and balanced mechanical properties for flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11277-11287.	10.3	33
39	The Synergistic Effect of Pyrrolicâ€N and Pyridinicâ€N with Pt Under Strong Metalâ€Support Interaction to Achieve Highâ€Performance Alkaline Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	72
40	The self-complementary effect through strong orbital coupling in ultrathin high-entropy alloy nanowires boosting pH-universal multifunctional electrocatalysis. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121431.	20.2	40
41	Ultra-fast phosphating synthesis of metastable crystalline phase-controllable ultra-small MP /CNT (M=â€Pd, Pt, Ru) for polyalcohol electrooxidation. <i>Journal of Energy Chemistry</i> , 2022, 72, 108-115.	12.9	9
42	Engineering ordered vacancies and atomic arrangement over the intermetallic PdM/CNT (M = Pb, Sn, In) nanocatalysts for synergistically promoting electrocatalysis N ₂ fixation. <i>Applied Catalysis B: Environmental</i> , 2022, 314, 121465.	20.2	12
43	Fe-doped CoNiP@N-doped carbon nanosheet arrays for hydrazine oxidation assisting energy-saving seawater splitting. <i>Chemical Engineering Journal</i> , 2022, 446, 136987.	12.7	21
44	Robust visible-light photocatalytic H ₂ evolution on 2D RGO/Cd _{0.15} Zn _{0.85} In ₂ S ₄ â€Ni ₂ P hierarchitectures. <i>Catalysis Science and Technology</i> , 2022, 12, 4181-4192.	4.1	3
45	High C ₁ selectivity in alkaline ethanol oxidation reaction over stable Lewis pairs of Pd-MxC@CNT (M=â€W, Mo and Cr). <i>Chemical Engineering Journal</i> , 2022, 446, 137178.	12.7	8
46	Constructing stable charge redistribution through strong metalâ€support interaction for overall water splitting in acidic solution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13241-13246.	10.3	15
47	Alkylamine-Doping Poly(3,4-ethylene dioxythiophene):Poly(styrene sulfonic acid)-Enhanced Operational Stability of Perovskite Light-Emitting Diodes: Chain Length Effect. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2993-2999.	4.3	2
48	â€One-for-twoâ€ strategy: The construction of high performance positive and negative electrode materials via one Co-based metal organic framework precursor for boosted hybrid supercapacitor energy density. <i>Journal of Power Sources</i> , 2022, 541, 231689.	7.8	16
49	Constructing Bimetallic ZIFâ€Derived Zn,Coâ€Containing Nâ€Doped Porous Carbon Nanocube as the Lithiophilic Host to Stabilize Li Metal Anodes in Li~O ₂ Batteries. <i>ChemSusChem</i> , 2022, 15, .	6.8	2
50	Mn-doped Ru/RuO ₂ nanoclusters@CNT with strong metal-support interaction for efficient water splitting in acidic media. <i>Composites Part B: Engineering</i> , 2022, 242, 110013.	12.0	17
51	Ru, B Co-doped hollow structured iron phosphide as highly efficient electrocatalyst toward hydrogen generation in wide pH range. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15155-15160.	10.3	16
52	Construction of Ru/FeCoP heterointerface to drive dual active site mechanism for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2022, 10, 16071-16079.	10.3	24
53	Pt doping and strong metalâ€support interaction as a strategy for NiMo-based electrocatalysts to boost the hydrogen evolution reaction in alkaline solution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15395-15401.	10.3	19
54	High-adhesion anionic copolymer as solid-state electrolyte for dendrite-free Zn-ion battery. <i>Nano Research</i> , 2022, 15, 7190-7198.	10.4	13

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55	3D Co ₃ O ₄ @RuO ₂ Hollow Spheres with Abundant Interfaces as Advanced Trifunctional Electrocatalyst for Water-Splitting and Flexible Zn-Air Battery. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	105
56	Realizing highly stable zinc-ion batteries via electrolyte engineering with adsorbed molecular protective layer. <i>Electrochimica Acta</i> , 2022, 427, 140876.	5.2	11
57	The Pd _x metallene with vacancies for synergistically enhancing electrocatalytic N ₂ fixation. <i>Chemical Engineering Journal</i> , 2022, 450, 137951.	12.7	10
58	Interfacial engineering boosting charge extraction for efficient photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2022, 450, 138015.	12.7	9
59	Stable confinement of Fe/Fe ₃ C in Fe, N-codoped carbon nanotube towards robust zinc-air batteries. <i>Chinese Chemical Letters</i> , 2021, 32, 1121-1126.	9.0	45
60	Hollow NiSe Nanocrystals Heterogenized with Carbon Nanotubes for Efficient Electrocatalytic Methanol Upgrading to Boost Hydrogen Co-Production. <i>Advanced Functional Materials</i> , 2021, 31, 2008812.	14.9	84
61	Multi-Site Electrocatalysts Boost pH-Universal Nitrogen Reduction by High-Entropy Alloys. <i>Advanced Functional Materials</i> , 2021, 31, 2006939.	14.9	99
62	In situ construction bismuth oxycarbonate/bismuth oxybromide Z-scheme heterojunction for efficient photocatalytic removal of tetracycline and ciprofloxacin. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 820-830.	9.4	28
63	Construction, structure diversity, luminescent and dye absorption properties of coordination polymers comprising semi-rigid 6-(carboxymethoxy)-2-naphthoic acid. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121773.	2.9	3
64	The facile oil-phase synthesis of a multi-site synergistic high-entropy alloy to promote the alkaline hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 889-893.	10.3	80
65	Efficient spatial charge separation in unique 2D tandem heterojunction Cd _x Zn _{1-x} In ₂ S ₄ @CdS@MoS ₂ rendering highly-promoted visible-light-induced H ₂ generation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 482-491.	10.3	28
66	The controlled synthesis of V-doped MoS ₂ -Ni _x S _y hollow nanospheres and their electrocatalytic performance in hydrogen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 698-703.	4.9	6
67	Efficient visible-light-driven H ₂ evolution induced by P-doped Cd _{1-x} Zn _x S porous nano-spheres decorated with Ni ₂ P and reduced graphene oxide. <i>Applied Surface Science</i> , 2021, 542, 148542.	6.1	12
68	(Ni,Co)Se@Ni(OH) ₂ heterojunction nanosheets as an efficient electrocatalyst for the hydrogen evolution reaction. <i>Dalton Transactions</i> , 2021, 50, 391-397.	3.3	21
69	Two-Dimensional Porous Molybdenum Phosphide/Nitride Heterojunction Nanosheets for pH-Universal Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6673-6681.	13.8	227
70	Activating CoMoS with CoP 3 Phase for High-Efficient Hydrogen Evolution Reaction in Acidic Condition. <i>ChemCatChem</i> , 2021, 13, 1362-1367.	3.7	2
71	Rational Design and Controlled Synthesis of V-Doped Ni ₃ S ₂ /Ni _x P _y Heterostructured Nanosheets for the Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2021, 27, 2463-2468.	3.3	9
72	Zinc assisted epitaxial growth of N-doped CNTs-based zeolitic imidazole frameworks derivative for high efficient oxygen reduction reaction in Zn-air battery. <i>Chemical Engineering Journal</i> , 2021, 414, 127569.	12.7	55

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73	Preparation of CdSe/NH ₂ -MIL-101(Cr) Nanocomposites with Improved Photocatalytic Hydrogen Production Performance. <i>Catalysis Letters</i> , 2021, 151, 2560-2569.	2.6	3
74	A mechanically robust and high-wettability multifunctional network binder for high-loading Li ⁺ S batteries with an enhanced rate property. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22684-22690.	10.3	15
75	Self-assembly of functionalized Echinops-like Rh porous nanostructure electrocatalysts for highly efficient seawater splitting. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8314-8322.	5.5	18
76	Efficient nitrogen reduction to ammonia by fluorine vacancies with a multi-step promoting effect. <i>Journal of Materials Chemistry A</i> , 2021, 9, 894-899.	10.3	18
77	Formation of V ₆ O ₁₁ @Ni(OH) ₂ /NiOOH hollow double-shell nanoflowers for the excellent cycle stability of supercapacitors. <i>Dalton Transactions</i> , 2021, 50, 3693-3700.	3.3	15
78	Iridium coated Co nanoparticles embedded into highly porous N-doped carbon nanocubes grafted with carbon nanotubes as a catalytic cathode for high-performance Li ⁺ O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17865-17875.	10.3	26
79	Corrosion Engineering on Iron Foam toward Efficiently Electrocatalytic Overall Water Splitting Powered by Sustainable Energy. <i>Advanced Functional Materials</i> , 2021, 31, 2010437.	14.9	125
80	Small Things Make a Big Difference: the Small-molecule Cross-linker of Robust Water-soluble Network Binders for Stable Si Anodes. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 304-310.	2.6	4
81	Cationic-Polymer-Functionalized Separator As a High-Efficiency Polysulfide Shuttle Barrier for Long-Life Li ⁺ S Battery. <i>ACS Applied Energy Materials</i> , 2021, 4, 2914-2921.	5.1	21
82	One-step construction of sulfide heterostructures with P doping for efficient hydrogen evolution. <i>Journal of Solid State Chemistry</i> , 2021, 296, 122004.	2.9	4
83	Fabrication of hollow type-II and Z-scheme In ₂ O ₃ /TiO ₂ /Cu ₂ O photocatalyst based on In-MIL-68 for efficient catalytic degradation of tetracycline. <i>Separation and Purification Technology</i> , 2021, 265, 118487.	7.9	26
84	High Valence M-Incorporated PdCu Nanoparticles (M = Ir, Rh, Ru) for Water Electrolysis in Alkaline Solution. <i>Nano Letters</i> , 2021, 21, 5774-5781.	9.1	30
85	Solvent-free microwave synthesis of ultra-small Ru-Mo ₂ C@CNT with strong metal-support interaction for industrial hydrogen evolution. <i>Nature Communications</i> , 2021, 12, 4018.	12.8	160
86	Tuning Surface Energy of Zn Anodes via Sn Heteroatom Doping Enabled by a Codeposition for Ultralong Life Span Dendrite-Free Aqueous Zn-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27085-27095.	8.0	41
87	Segmented Au/PtCo heterojunction nanowires for efficient formic acid oxidation catalysis. <i>Fundamental Research</i> , 2021, 1, 453-460.	3.3	8
88	The rational adjusting of proton-feeding by Pt-doped FeP/C hollow nanorod for promoting nitrogen reduction kinetics. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120047.	20.2	43
89	Superfast Synthesis of Densely Packed and Ultrafine Pt@Lanthanide@KB via Solvent-Free Microwave as Efficient Hydrogen Evolution Electrocatalysts. <i>Small</i> , 2021, 17, e2102879.	10.0	27
90	Molecular engineering towards efficient white-light-emitting perovskite. <i>Nature Communications</i> , 2021, 12, 4890.	12.8	32

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91	Evaluation of an Ionic Porous Organic Polymer for Water Remediation. ACS Applied Materials & Interfaces, 2021, 13, 39404-39413.	8.0	38
92	A low-cost and eco-friendly network binder coupling stiffness and softness for high-performance Li-ion batteries. Electrochimica Acta, 2021, 387, 138491.	5.2	15
93	Hollow In ₂ O ₃ nanotubes decorated with Cd _{0.67} Mo _{0.33} Se QDs for enhanced photocatalytic hydrogen production performance. International Journal of Hydrogen Energy, 2021, 46, 30393-30401.	7.1	21
94	Multi-Sites Electrocatalysis in High-Entropy Alloys. Advanced Functional Materials, 2021, 31, 2106715.	14.9	128
95	Porous Pd/NiFeO Nanosheets Enhance the pH-Universal Overall Water Splitting. Advanced Functional Materials, 2021, 31, 2107181.	14.9	61
96	Rational design of free-standing 3D Cu-doped NiS@Ni ₂ P/NF nanosheet arrays for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2021, 46, 33078-33086.	7.1	10
97	Step-by-step etching strategy to construct multiple-shell amorphous Co/Ni-(PO ₄) _x (OH) _y hollow polyhedron for supercapacitor application. Journal of Solid State Chemistry, 2021, 304, 122618.	2.9	6
98	Ultrafast Generation of Nanostructured Noble Metal Aerogels by a Microwave Method for Electrocatalytic Hydrogen Evolution and Ethanol Oxidation. ACS Applied Nano Materials, 2021, 4, 11221-11230.	5.0	10
99	Stabilizing a Si Anode via an Inorganic Oligomer Binder Enabled by Robust Polar Interfacial Interactions. ACS Applied Materials & Interfaces, 2021, 13, 44312-44320.	8.0	17
100	Facet-controlled palladium nanocrystalline for enhanced nitrate reduction towards ammonia. Journal of Colloid and Interface Science, 2021, 600, 620-628.	9.4	43
101	Bimetallic NiSe _{0.1} MoS _{6.4} sulfoselenide nanosheets supported on nickel foam for efficient hydrogen evolution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 628, 127228.	4.7	1
102	Strategies on improving the electrocatalytic hydrogen evolution performances of metal phosphides. Chinese Journal of Catalysis, 2021, 42, 1876-1902.	14.0	58
103	Multifunctional cation-vacancy-rich ZnCo ₂ O ₄ polysulfide-blocking layer for ultrahigh-loading Li-S battery. Nano Energy, 2021, 89, 106331.	16.0	59
104	Trifunctional Pt coupled with NiFe hydroxide synthesized via corrosion engineering to boost the cleavage of water molecule for alkaline water-splitting. Applied Catalysis B: Environmental, 2021, 297, 120395.	20.2	109
105	Facile coordination driven synthesis of metal-organic gels toward efficiently electrocatalytic overall water splitting. Applied Catalysis B: Environmental, 2021, 299, 120641.	20.2	39
106	Enhanced photocatalytic H ₂ /H ₂ O ₂ production and tetracycline degradation performance of CdSe quantum dots supported on K, P, N-co-doped hollow carbon polyhedrons. Chemical Engineering Journal, 2021, 426, 130808.	12.7	22
107	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
108	Polydopamine-coated bimetallic ZIF derivatives as an air cathode for acidic Zn-air batteries with super-high potential. Chemical Communications, 2021, 57, 11248-11251.	4.1	8

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109	Ni ₂ P Interlayer and Mn Doping Synergistically Expedite the Hydrogen Evolution Reaction Kinetics of Co ₂ P. Chemistry - A European Journal, 2021, 27, 3536-3541.	3.3	10
110	The twinned Pd nanocatalyst exhibits sustainable NRR electrocatalytic performance by promoting the desorption of NH ₃ . Journal of Materials Chemistry A, 2021, 9, 13483-13489.	10.3	48
111	Opportunities and challenges in perovskite LED commercialization. Journal of Materials Chemistry C, 2021, 9, 3795-3799.	5.5	70
112	Promoted Interfacial Charge Transport and Separation of Size-Uniform Zn, Ni-Doped CdS-1T/2H O-MoS ₂ Nanoassemblies for Efficient Visible-Light Photocatalytic Water Splitting. Crystal Growth and Design, 2021, 21, 1278-1289.	3.0	9
113	In Situ Construction of a Heterostructured ZnMoS Hollow Microflower for High-Performance Hybrid Supercapacitors. ACS Applied Energy Materials, 2021, 4, 801-809.	5.1	9
114	K ⁺ , Ni and carbon co-modification promoted two-electron O ₂ reduction for photocatalytic H ₂ O ₂ production by crystalline carbon nitride. Journal of Materials Chemistry A, 2021, 9, 24056-24063.	10.3	30
115	A simple, rapid and scalable synthesis approach for ultra-small size transition metal selenides with efficient water oxidation performance. Journal of Materials Chemistry A, 2021, 9, 24261-24267.	10.3	16
116	Unique NiCo ₂ S ₄ @ZnS/CdS Core-Shell Heterojunction for Efficient Visible-Light-Driven Photocatalytic Water Splitting. Crystal Growth and Design, 2021, 21, 6437-6447.	3.0	5
117	Bucket Effect: A Metal-Organic Framework Derived High-Performance FeS ₂ /Fe ₂ O ₃ @S-rGO Negative Material for Enhanced Overall Supercapacitor Capacitance. ACS Applied Energy Materials, 2021, 4, 11004-11013.	5.1	28
118	Ultrasmall Noble Metal Doped Ru ₂ P@Ru/CNT as High-Performance Hydrogen Evolution Catalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 15063-15071.	6.7	10
119	Synergy Strategy of Electrical Conductivity Enhancement and Vacancy Introduction for Improving the Performance of VS ₄ Magnesium-Ion Battery Cathode. ACS Applied Materials & Interfaces, 2021, 13, 54005-54017.	8.0	20
120	Ordered Vacancies on the Body-Centered Cubic PdCu Nanocatalysts. Nano Letters, 2021, 21, 9580-9586.	9.1	16
121	Hierarchical microsphere MOF arrays with ultralow Ir doping for efficient hydrogen evolution coupled with hydrazine oxidation in seawater. Journal of Materials Chemistry A, 2021, 9, 27424-27433.	10.3	44
122	Interfacial Engineering in PtNiCo/NiCoS Nanowires for Enhanced Electrocatalysis and Electroanalysis. Chemistry - A European Journal, 2020, 26, 4032-4038.	3.3	16
123	Solvent Control in the Formation of Supramolecular Solvates of 2,4-Diamino-6-methyl-1,3,5-triazine with 5-Nitroisophthalic Acid. Journal of Chemical Crystallography, 2020, 50, 1-7.	1.1	0
124	MOF derived Co ₃ O ₄ /N-doped carbon nanotubes hybrids as efficient catalysts for sensitive detection of H ₂ O ₂ and glucose. Chinese Chemical Letters, 2020, 31, 774-778.	9.0	77
125	Construction of ternary Cd _x Mo _{1-x} Se quantum dots for enhanced photocatalytic hydrogen production. Journal of Materials Science, 2020, 55, 1117-1125.	3.7	13
126	Unique Cd _{1-x} Zn _x S@WO _{3-x} and Cd _{1-x} Zn _x S@WO _{3-x} /CoO _x /NiO _x Z-scheme photocatalysts for efficient visible-light-induced H ₂ evolution. Science China Materials, 2020, 63, 75-90.	6.3	16

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127	Temperature effect on the synthesis of two Ni-MOFs with distinct performance in supercapacitor. <i>Journal of Solid State Chemistry</i> , 2020, 281, 121026.	2.9	19
128	A controllable top-down etching and in-situ oxidizing strategy: metal-organic frameworks derived $\text{Ni-Co/Ni(OH)}_2/\text{Co}_3\text{O}_4$ hollow nanocages for enhanced supercapacitor performance. <i>Applied Surface Science</i> , 2020, 504, 144395.	6.1	73
129	Insights into supramolecular assembly formation of pyridine tetrazolium and aromatic acid assisted via hydrogen-bonding. <i>Journal of Molecular Structure</i> , 2020, 1206, 127697.	3.6	4
130	Preparation of heterometallic CoNi-MOFs-modified BiVO_4 : a steady photoanode for improved performance in photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118513.	20.2	208
131	Two new inorganic-organic hybrid zinc phosphites and their derived ZnO/ZnS heterostructure for efficient photocatalytic hydrogen production. <i>RSC Advances</i> , 2020, 10, 812-817.	3.6	7
132	Mo, Co co-doped NiS bulks supported on Ni foam as an efficient electrocatalyst for overall water splitting in alkaline media. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1654-1664.	4.9	23
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