

Lei Wang

List of Publications by Year in descending order

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312
papers

16,857
citations

17440

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313
times ranked

14332
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances on Water-Splitting Electrocatalysis Mediated by Noble-Metal-Based Nanostructured Materials. <i>Advanced Energy Materials</i> , 2020, 10, 1903120.	19.5	560
2	Photoanodes based on TiO_2 and Fe_2O_3 for solar water splitting – superior role of 1D nanoarchitectures and of combined heterostructures. <i>Chemical Society Reviews</i> , 2017, 46, 3716-3769.	38.1	535
3	Phosphorus-Modified Tungsten Nitride/Reduced Graphene Oxide as a High-Performance, Non-Noble-Metal Electrocatalyst for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6325-6329.	13.8	515
4	Anion-Modulated HER and OER Activities of 3D Ni_2V -Based Interstitial Compound Heterojunctions for High-Efficiency and Stable Overall Water Splitting. <i>Advanced Materials</i> , 2019, 31, e1901174.	21.0	479
5	Holey Reduced Graphene Oxide Coupled with an Mo_2N - Mo_2C Heterojunction for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1704156.	21.0	459
6	Co Nanolands Rooted on Co_2N - C Nanosheets as Efficient Oxygen Electrocatalyst for Zn -Air Batteries. <i>Advanced Materials</i> , 2019, 31, e1901666.	21.0	455
7	Synthesis and microwave absorption enhancement of Fe_3O_4 @ SiO_2 @ NiO nanosheet hierarchical structures. <i>Nanoscale</i> , 2014, 6, 3157-3164.	5.6	395
8	Tunable intrinsic strain in two-dimensional transition metal electrocatalysts. <i>Science</i> , 2019, 363, 870-874.	12.6	384
9	Stable High-Index Faceted Pt Skin on Zigzag-Like PtFe Nanowires Enhances Oxygen Reduction Catalysis. <i>Advanced Materials</i> , 2018, 30, 1705515.	21.0	305
10	Controlled Hydrolysis of Metal-Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. <i>ACS Nano</i> , 2019, 13, 7024-7030.	14.6	305
11	Fast site-to-site electron transfer of high-entropy alloy nanocatalyst driving redox electrocatalysis. <i>Nature Communications</i> , 2020, 11, 5437.	12.8	288
12	Tailoring the composition of ultrathin, ternary alloy PtRuFe nanowires for the methanol oxidation reaction and formic acid oxidation reaction. <i>Energy and Environmental Science</i> , 2015, 8, 350-363.	30.8	264
13	Reduced graphene oxide decorated with in-situ growing ZnO nanocrystals: Facile synthesis and enhanced microwave absorption properties. <i>Carbon</i> , 2016, 108, 52-60.	10.3	229
14	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
15	2D Polymers as Emerging Materials for Photocatalytic Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1801955.	21.0	211
16	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
17	Graphene/Intermetallic PtPb Nanoplates Composites for Boosting Electrochemical Detection of H_2O_2 Released from Cells. <i>Analytical Chemistry</i> , 2017, 89, 3761-3767.	6.5	186
18	<i>In situ</i> encapsulation of core-shell-structured $\text{Co}@_3\text{Co}_3\text{O}_4$ into nitrogen-doped carbon polyhedra as a bifunctional catalyst for rechargeable Zn -air batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1443-1453.	10.3	178

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19	NH ₂ -MIL-101(Fe)/Ni(OH) ₂ -derived C,N-codoped Fe ₂ P/Ni ₂ P cocatalyst modified g-C ₃ N ₄ for enhanced photocatalytic hydrogen evolution from water splitting. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 178-186.	20.2	175
20	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
21	Nitrogen, Fluorine, and Boron Ternary Doped Carbon Fibers as Cathode Electrocatalysts for Zinc-Air Batteries. <i>Small</i> , 2018, 14, e1800737.	10.0	159
22	Promoting the hydrogen evolution reaction through oxygen vacancies and phase transformation engineering on layered double hydroxide nanosheets. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2490-2497.	10.3	159
23	Three-dimensional nitrogen-doped reduced graphene oxide aerogel decorated with Ni nanoparticles with tunable and unique microwave absorption. <i>Carbon</i> , 2019, 152, 575-586.	10.3	156
24	NiCo Alloy/Carbon Nanorods Decorated with Carbon Nanotubes for Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2019, 2, 7827-7838.	5.0	154
25	Intermetallic hcp-PtBi/fcc-Pt Core/Shell Nanoplates Enable Efficient Bifunctional Oxygen Reduction and Methanol Oxidation Electrocatalysis. <i>ACS Catalysis</i> , 2018, 8, 5581-5590.	11.2	153
26	Syntheses, Topological Structures, and Photoluminescences of Six New Zn(II) Coordination Polymers Based on Mixed Tripodal Imidazole Ligand and Varied Polycarboxylates. <i>Crystal Growth and Design</i> , 2013, 13, 1277-1289.	3.0	143
27	Optimizing the Volmer Step by Single-Layer Nickel Hydroxide Nanosheets in Hydrogen Evolution Reaction of Platinum. <i>ACS Catalysis</i> , 2015, 5, 3801-3806.	11.2	142
28	Hierarchical nest-like structure of Co/Fe MOF derived CoFe@C composite as wide-bandwidth microwave absorber. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105958.	7.6	137
29	Tuning Multimetallic Ordered Intermetallic Nanocrystals for Efficient Energy Electrocatalysis. <i>Advanced Energy Materials</i> , 2017, 7, 1602073.	19.5	136
30	Surface reconstruction engineering of cobalt phosphides by Ru inducement to form hollow Ru-Ru _x -Co _x P pre-electrocatalysts with accelerated oxygen evolution reaction. <i>Nano Energy</i> , 2018, 53, 270-276.	16.0	135
31	A facile one-pot method to synthesize a three-dimensional graphene@carbon nanotube composite as a high-efficiency microwave absorber. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 2228-2234.	2.8	134
32	In situ derived Ni ₂ P/Ni encapsulated in carbon/g-C ₃ N ₄ hybrids from metal-organic frameworks/g-C ₃ N ₄ for efficient photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 246, 72-81.	20.2	130
33	Multi-Sites Electrocatalysis in High-Entropy Alloys. <i>Advanced Functional Materials</i> , 2021, 31, 2106715.	14.9	128
34	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
35	Vanadium carbide nanoparticles encapsulated in graphitic carbon network nanosheets: A high-efficiency electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2016, 26, 603-609.	16.0	120
36	Construction of Hollow Cobalt-Nickel Phosphate Nanocages through a Controllable Etching Strategy for High Supercapacitor Performances. <i>ACS Applied Energy Materials</i> , 2019, 2, 1086-1092.	5.1	120

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37	Facile synthesis of MoP-Ru ₂ P on porous N, P co-doped carbon for efficiently electrocatalytic hydrogen evolution reaction in full pH range. Applied Catalysis B: Environmental, 2022, 303, 120879.	20.2	111
38	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
39	Ultrathin PtPd-Based Nanorings with Abundant Step Atoms Enhance Oxygen Catalysis. Advanced Materials, 2018, 30, e1802136.	21.0	107
40	Construction of 0D/2D heterojunction by highly dispersed Ni ₂ P QDs loaded on the ultrathin g-C ₃ N ₄ surface towards superhigh photocatalytic and photoelectric performance. Applied Catalysis B: Environmental, 2018, 237, 919-926.	20.2	105
41	3D Co ₃ O ₄ @RuO ₂ Hollow Spheres with Abundant Interfaces as Advanced Trifunctional Electrocatalyst for Water-Splitting and Flexible Zn-Air Battery. Advanced Functional Materials, 2022, 32, .	14.9	105
42	The marriage and integration of nanostructures with different dimensions for synergistic electrocatalysis. Energy and Environmental Science, 2017, 10, 321-330.	30.8	104
43	NH ₂ -MIL-125(Ti)/graphitic carbon nitride heterostructure decorated with NiPd co-catalysts for efficient photocatalytic hydrogen production. Applied Catalysis B: Environmental, 2017, 219, 101-108.	20.2	102
44	Multi-Site Electrocatalysts Boost pH-Universal Nitrogen Reduction by High-Entropy Alloys. Advanced Functional Materials, 2021, 31, 2006939.	14.9	99
45	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
46	Constructing multifunctional "Nanoplatelet-on-Nanoarray"™ electrocatalyst with unprecedented activity towards novel selective organic oxidation reactions to boost hydrogen production. Applied Catalysis B: Environmental, 2020, 278, 119339.	20.2	93
47	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
48	Recent progress in Zn-based anodes for advanced lithium ion batteries. Materials Chemistry Frontiers, 2018, 2, 1414-1435.	5.9	91
49	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
50	A self-templating method for metal-organic frameworks to construct multi-shelled bimetallic phosphide hollow microspheres as highly efficient electrocatalysts for hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 8602-8608.	10.3	90
51	1D/3D Heterogeneous Assembling Body as Trifunctional Electrocatalysts Enabling Zinc-Air Battery and Self-Powered Overall Water Splitting. Advanced Functional Materials, 2022, 32, .	14.9	88
52	Nickel-iron phosphides nanorods derived from bimetallic-organic frameworks for hydrogen evolution reaction. Applied Surface Science, 2018, 457, 1081-1086.	6.1	86
53	Hollow NiSe Nanocrystals Heterogenized with Carbon Nanotubes for Efficient Electrocatalytic Methanol Upgrading to Boost Hydrogen Co-Production. Advanced Functional Materials, 2021, 31, 2008812.	14.9	84
54	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

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55	A Highly Reversible Long-Life CO_2 Battery with a RuP_2 -Based Catalytic Cathode. <i>Small</i> , 2019, 15, e1803246.	10.0	80
56	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
57	Advanced Ultrathin RuPdM ($M = \text{Ni, Co, Fe}$) Nanosheets Electrocatalyst Boosts Hydrogen Evolution. <i>ACS Central Science</i> , 2019, 5, 1991-1997.	11.3	78
58	MOF derived $\text{Co}_3\text{O}_4/\text{N}$ -doped carbon nanotubes hybrids as efficient catalysts for sensitive detection of H_2O_2 and glucose. <i>Chinese Chemical Letters</i> , 2020, 31, 774-778.	9.0	77
59	Highly controlled synthesis of multi-shelled NiO hollow microspheres for enhanced lithium storage properties. <i>Materials Research Bulletin</i> , 2017, 87, 224-229.	5.2	76
60	Facile synthesis of V-doped CoP nanoparticles as bifunctional electrocatalyst for efficient water splitting. <i>Journal of Energy Chemistry</i> , 2019, 39, 182-187.	12.9	74
61	A controllable top-down etching and in-situ oxidizing strategy: metal-organic frameworks derived $\text{I}_2\text{-Co/Ni(OH)}_2@ \text{Co}_3\text{O}_4$ hollow nanocages for enhanced supercapacitor performance. <i>Applied Surface Science</i> , 2020, 504, 144395.	6.1	73
62	The Synergistic Effect of Pyrrolic-N and Pyridinic-N with Pt Under Strong Metal-Support Interaction to Achieve High-Performance Alkaline Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	72
63	Synthesis of CdSe/SrTiO_3 nanocomposites with enhanced photocatalytic hydrogen production activity. <i>Applied Surface Science</i> , 2019, 467-468, 1033-1039.	6.1	70
64	Opportunities and challenges in perovskite LED commercialization. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3795-3799.	5.5	70
65	Surface oxygen-mediated ultrathin PtRuM (Ni, Fe, and Co) nanowires boosting methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2323-2330.	10.3	67
66	Hierarchical CoS/MoS_2 and $\text{Co}_3\text{S}_4/\text{MoS}_2/\text{Ni}_2\text{P}$ nanotubes for efficient electrocatalytic hydrogen evolution in alkaline media. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25410-25419.	10.3	66
67	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
68	Metal-organic framework-derived multifunctional photocatalysts. <i>Chinese Journal of Catalysis</i> , 2022, 43, 971-1000.	14.0	64
69	High-performance nitrogen electroreduction at low overpotential by introducing Pb to Pd nanosponges. <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118481.	20.2	62
70	Porous Pd/NiFeO_x Nanosheets Enhance the pH-Universal Overall Water Splitting. <i>Advanced Functional Materials</i> , 2021, 31, 2107181.	14.9	61
71	N-doped carbon coated FeNiP nanoparticles based hollow microboxes for overall water splitting in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 22226-22234.	7.1	60
72	Atomic-Thick PtNi Nanowires Assembled on Graphene for High-Sensitivity Extracellular Hydrogen Peroxide Sensors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 34715-34721.	8.0	59

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73	A flexible polymer-based Li-air battery using a reduced graphene oxide/Li composite anode. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6022-6032.	10.3	59
74	Multifunctional cation-vacancy-rich ZnCo ₂ O ₄ polysulfide-blocking layer for ultrahigh-loading Li-S battery. <i>Nano Energy</i> , 2021, 89, 106331.	16.0	59
75	Strategies on improving the electrocatalytic hydrogen evolution performances of metal phosphides. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1876-1902.	14.0	58
76	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
77	Reduced graphene oxide modified mesoporous FeNi alloy/carbon microspheres for enhanced broadband electromagnetic wave absorbers. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1786-1794.	5.9	56
78	Drawing a Penicillium Trace Cathode for a High-Performance Polymer-Based CO ₂ Battery with Redox Mediator. <i>Advanced Functional Materials</i> , 2019, 29, 1806863.	14.9	56
79	Facile synthesis of a two-dimensional layered Ni-MOF electrode material for high performance supercapacitors. <i>RSC Advances</i> , 2018, 8, 17747-17753.	3.6	55
80	Lithiophilic Co/Co ₄ N nanoparticles embedded in hollow N-doped carbon nanocubes stabilizing lithium metal anodes for Li-air batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22096-22105.	10.3	55
81	Trifunctional Fishbone-like PtCo/Ir Enables High-Performance Zinc-Air Batteries to Drive the Water-Splitting Catalysis. <i>Chemistry of Materials</i> , 2019, 31, 8136-8144.	6.7	55
82	Efficient visible-light induced H ₂ evolution from T-CdxZn1-xS/defective MoS ₂ nano-hybrid with both bulk twinning homojunctions and interfacial heterostructures. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118702.	20.2	55
83	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
84	ZnIn ₂ S ₄ decorated Co-doped NH ₂ -MIL-53(Fe) nanocomposites for efficient photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2020, 517, 146161.	6.1	54
85	Fabrication of CdSe/CaTiO ₃ nanocomposites in aqueous solution for improved photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2018, 459, 520-526.	6.1	52
86	Chemically coupled NiCoS/C nanocages as efficient electrocatalysts for nitrogen reduction reactions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 543-547.	10.3	52
87	Anchoring Ni ₂ P on the UiO-66-NH ₂ /g-C ₃ N ₄ -derived Cd-doped ZrO ₂ /g-C ₃ N ₄ Heterostructure: Highly Efficient Photocatalysts for H ₂ Production from Water Splitting. <i>ChemCatChem</i> , 2018, 10, 3327-3335.	3.7	49
88	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
89	Montmorillonite-hybridized g-C ₃ N ₄ composite modified by NiCoP cocatalyst for efficient visible-light-driven photocatalytic hydrogen evolution by dye-sensitization. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4114-4122.	7.1	48
90	The twinned Pd nanocatalyst exhibits sustainable NRR electrocatalytic performance by promoting the desorption of NH ₃ . <i>Journal of Materials Chemistry A</i> , 2021, 9, 13483-13489.	10.3	48

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91	Zinc Pyrovanadate Nanoplates Embedded in Graphene Networks with Enhanced Electrochemical Performance. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2992-2999.	3.7	47
92	MOF-derived formation of nickel cobalt sulfides with multi-shell hollow structure towards electrocatalytic hydrogen evolution reaction in alkaline media. <i>Composites Part B: Engineering</i> , 2019, 177, 107252.	12.0	46
93	<i>In situ</i> encapsulation of Co-based nanoparticles into nitrogen-doped carbon nanotubes-modified reduced graphene oxide as an air cathode for high-performance Zn-air batteries. <i>Nanoscale</i> , 2019, 11, 21943-21952.	5.6	46
94	Exposure of Definite Palladium Facets Boosts Electrocatalytic Nitrogen Fixation at Low Overpotential. <i>Advanced Energy Materials</i> , 2020, 10, 2002131.	19.5	45
95	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
96	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
97	Hierarchical microsphere MOF arrays with ultralow Ir doping for efficient hydrogen evolution coupled with hydrazine oxidation in seawater. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27424-27433.	10.3	44
98	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
99	Facet-controlled palladium nanocrystalline for enhanced nitrate reduction towards ammonia. <i>Journal of Colloid and Interface Science</i> , 2021, 600, 620-628.	9.4	43
100	Protecting the state of Cu clusters and nanoconfinement engineering over hollow mesoporous carbon spheres for electrocatalytic C-C coupling. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121111.	20.2	42
101	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
102	Porous Pd ₃ WM (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
103	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
104	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
105	Pencil-drawing on nitrogen and sulfur co-doped carbon paper: An effective and stable host to pre-store Li for high-performance lithium-air batteries. <i>Energy Storage Materials</i> , 2020, 26, 593-603.	18.0	39
106	NiFe-coordinated zeolitic imidazolate framework derived trifunctional electrocatalyst for overall water-splitting and zinc-air batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 1-11.	9.4	39
107	Facile coordination driven synthesis of metal-organic gels toward efficiently electrocatalytic overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120641.	20.2	39
108	Reactant ratio-modulated entangled Cd(II) coordination polymers based on rigid tripodal imidazole ligand and tetrabromoterephthalic acid: interpenetration, interdigitation and self-penetration. <i>CrystEngComm</i> , 2013, 15, 5552.	2.6	38

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109	Energetic multi-component molecular solids of tetrafluoroterephthalic acid with some aza compounds by strong hydrogen bonds and weak intermolecular interactions of C ₆ F ₄ and C ₆ O ₄ . CrystEngComm, 2014, 16, 4142-4161.	2.6	38
110	Electrochemical Corrosion Engineering for Ni-Fe Oxides with Superior Activity toward Water Oxidation. ACS Applied Materials & Interfaces, 2018, 10, 42217-42224.	8.0	38
111	Evaluation of an Ionic Porous Organic Polymer for Water Remediation. ACS Applied Materials & Interfaces, 2021, 13, 39404-39413.	8.0	38
112	In situ metal-organic framework-derived c-doped Ni ₃ S ₄ /Ni ₂ P hybrid co-catalysts for photocatalytic H ₂ production over g-C ₃ N ₄ via dye sensitization. International Journal of Hydrogen Energy, 2019, 44, 16336-16347.	7.1	36
113	Aqueous synthesis of core/shell/shell CdSe/CdS/ZnS quantum dots for photocatalytic hydrogen generation. Journal of Materials Science, 2019, 54, 8571-8580.	3.7	36
114	PVP-induced synergistic engineering of interlayer, self-doping, active surface and vacancies in VS ₄ for enhancing magnesium ions storage and durability. Energy Storage Materials, 2022, 47, 211-222.	18.0	36
115	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
116	A microporous yttrium metal-organic framework of an unusual nia topology for high adsorption selectivity of C ₂ H ₂ and CO ₂ over CH ₄ at room temperature. Materials Chemistry Frontiers, 2017, 1, 1982-1988.	5.9	35
117	Hydrothermally formed three-dimensional hexagon-like P doped Ni(OH) ₂ rod arrays for high performance all-solid-state asymmetric supercapacitors. Applied Surface Science, 2018, 428, 250-257.	6.1	35
118	A cooperation molecular recognition study: syntheses and analysis of supramolecular assemblies of tetrafluoroterephthalic acid with some aza compounds. CrystEngComm, 2013, 15, 2835.	2.6	34
119	Ni ₂ P Entwined by Graphite Layers as a Low-Pt Electrocatalyst in Acidic Media for Oxygen Reduction. ACS Applied Materials & Interfaces, 2018, 10, 9999-10010.	8.0	34
120	Controllable synthesized CoP-MP (M=Fe, Mn) as efficient and stable electrocatalyst for hydrogen evolution reaction at all pH values. International Journal of Hydrogen Energy, 2019, 44, 19978-19985.	7.1	34
121	Phosphorus doped two-dimensional CoFe ₂ O ₄ nanobelts decorated with Ru nanoclusters and Co-Fe hydroxide as efficient electrocatalysts toward hydrogen generation. Inorganic Chemistry Frontiers, 2022, 9, 1847-1855.	6.0	34
122	Corrosive-coordinate engineering to construct 2D-3D nanostructure with trace Pt as efficient bifunctional electrocatalyst for overall water splitting. Science China Materials, 2022, 65, 1217-1224.	6.3	34
123	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
124	Rh-doped PdAg nanoparticles as efficient methanol tolerance electrocatalytic materials for oxygen reduction. Science Bulletin, 2019, 64, 54-62.	9.0	33
125	Anionic organo-hydrogel electrolyte with enhanced ionic conductivity and balanced mechanical properties for flexible supercapacitors. Journal of Materials Chemistry A, 2022, 10, 11277-11287.	10.3	33
126	Surface and Near-Surface Engineering of PtCo Nanowires at Atomic Scale for Enhanced Electrochemical Sensing and Catalysis. Chemistry of Materials, 2018, 30, 6660-6667.	6.7	32

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127	Hierarchical Co _x Al _y layered double hydroxide@carbon composites derived from metal-organic frameworks with efficient broadband electromagnetic wave absorption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16418-16426.	5.5	32
128	Molecular engineering towards efficient white-light-emitting perovskite. <i>Nature Communications</i> , 2021, 12, 4890.	12.8	32
129	Cation Segregation of A-Site Deficiency Perovskite La _{0.85} FeO ₃ Nanoparticles toward High-Performance Cathode Catalysts for Rechargeable Li-O ₂ Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25465-25472.	8.0	31
130	Energy-Saving Exploration of Mixed Solvent Extractive Distillation Combined with Thermal Coupling or Heat Pump Technology for the Separation of an Azeotrope Containing Low-Carbon Alcohol. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13204-13219.	3.7	31
131	Four calcium coordination polymers based on 2,5-dibromoterephthalic acid and different N-donor organic species: syntheses, structures, topologies, and luminescence properties. <i>CrystEngComm</i> , 2016, 18, 8664-8671.	2.6	30
132	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
133	Two exceptionally stable luminescent MOFs for the selective and sensitive detection of Fe ³⁺ ions in aqueous solution. <i>CrystEngComm</i> , 2019, 21, 6056-6062.	2.6	30
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