

# Promoting Active Sites in Core–Shell Nanowire Array for Efficient and Stable Overall Water Splitting

Advanced Functional Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Vertically Aligned Oxygenated-CoS <sub>2</sub> –MoS <sub>2</sub> Heteronanoshet Architecture from Polyoxometalate for Efficient and Stable Overall Water Splitting. ACS Catalysis, 2018, 8, 4612-4621.	5.5	290
2	Electronic Tuning of Co, Ni-Based Nanostructured (Hydr)oxides for Aqueous Electrocatalysis. Advanced Functional Materials, 2018, 28, 1804886.	7.8	87
3	The CoMo-LDH ultrathin nanosheet as a highly active and bifunctional electrocatalyst for overall water splitting. Inorganic Chemistry Frontiers, 2018, 5, 2964-2970.	3.0	76
4	In Situ Fabrication of Heterostructure on Nickel Foam with Tuned Composition for Enhancing Water-Splitting Performance. Small, 2018, 14, e1803666.	5.2	100
5	Engineering a stereo-film of FeNi <sub>3</sub> nanosheet-covered FeOOH arrays for efficient oxygen evolution. Nanoscale, 2018, 10, 10971-10978.	2.8	40
6	Self-supported hierarchical CuO <sub>x</sub> @Co <sub>3</sub> O <sub>4</sub> heterostructures as efficient bifunctional electrocatalysts for water splitting. Journal of Materials Chemistry A, 2018, 6, 14431-14439.	5.2	121
7	Orienting Active Crystal Planes of New Class Lacunaris Fe <sub>2</sub> PO <sub>5</sub> Polyhedrons for Robust Water Oxidation in Alkaline and Neutral Media. Advanced Functional Materials, 2018, 28, 1801397.	7.8	30
8	Improving Electrocatalysts for Oxygen Evolution Using Ni <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> /Ni Hybrid Nanostructures Formed by Solvothermal Synthesis. ACS Energy Letters, 2018, 3, 1698-1707.	8.8	132
9	Electrical Behavior and Electron Transfer Modulation of Nickel–Copper Nanoalloys Confined in Nickel–Copper Nitrides Nanowires Array Encapsulated in Nitrogen-Doped Carbon Framework as Robust Bifunctional Electrocatalyst for Overall Water Splitting. Advanced Functional Materials, 2018, 28, 1803278.	7.8	84
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11	Electrocatalysts based on metal@carbon core@shell nanocomposites: An Overview. Green Energy and Environment, 2018, 3, 335-351.	4.7	75
12	Local Charge Distribution Engineered by Schottky Heterojunctions toward Urea Electrolysis. Advanced Energy Materials, 2018, 8, 1801775.	10.2	266
13	Copper-modulated bismuth nanocrystals alter the formate formation pathway to achieve highly selective CO <sub>2</sub> electroreduction. Journal of Materials Chemistry A, 2018, 6, 16804-16809.	5.2	74
14	A Universal Strategy to Metal Wavy Nanowires for Efficient Electrochemical Water Splitting at pH-Universal Conditions. Advanced Functional Materials, 2018, 28, 1803722.	7.8	71
15	Ir <sup>4+</sup> -Doped NiFe LDH to expedite hydrogen evolution kinetics as a Pt-like electrocatalyst for water splitting. Chemical Communications, 2018, 54, 6400-6403.	2.2	114
16	Recent Progress on Nickel-Based Oxide/(Oxy)Hydroxide Electrocatalysts for the Oxygen Evolution Reaction. Chemistry - A European Journal, 2019, 25, 703-713.	1.7	170
17	In-situ One-Step Preparation of Nickel-Tipped N-doped Carbon Nanotubes for Oxygen Reduction. ChemCatChem, 2019, 11, 4818-4821.	1.8	8
18	Iron doped cobalt phosphide ultrathin nanosheets on nickel foam for overall water splitting. Journal of Materials Chemistry A, 2019, 7, 20658-20666.	5.2	123

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19	Facile synthesis of cactus-shaped CdS-Cu <sub>9</sub> S <sub>5</sub> heterostructure on copper foam with enhanced photoelectrochemical performance. <i>Applied Surface Science</i> , 2019, 492, 849-855.	3.1	25
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21	Photoinduced formation of Cu@Cu <sub>2</sub> O@C plasmonic nanostructures with efficient interfacial charge transfer for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19324-19331.	5.2	15
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23	Electrodeposition of platinum nanoparticles onto porous GaN as a binder-free electrode for hydrogen evolution reaction. <i>Chemical Physics Letters</i> , 2019, 737, 136796.	1.2	10
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25	Boosting selective nitrogen reduction to ammonia on electron-deficient copper nanoparticles. <i>Nature Communications</i> , 2019, 10, 4380.	5.8	203
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27	Constructing Earth-abundant 3D Nanoarrays for Efficient Overall Water Splitting – A Review. <i>ChemCatChem</i> , 2019, 11, 1550-1575.	1.8	108
28	Solvent-free assembly of Co/Fe-containing MOFs derived N-doped mesoporous carbon nanosheets for ORR and HER. <i>Carbon</i> , 2019, 146, 671-679.	5.4	117
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31	Recent progress made in the mechanism comprehension and design of electrocatalysts for alkaline water splitting. <i>Energy and Environmental Science</i> , 2019, 12, 2620-2645.	15.6	1,052
32	Hydrogen Evolution Enhancement over a Cobalt-Based Schottky Interface. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 27641-27647.	4.0	34
33	Hierarchically Porous Co/Co <sub>x</sub> M <sub>y</sub> (M = P, N) as an Efficient Mott-Schottky Electrocatalyst for Oxygen Evolution in Rechargeable Zn-Air Batteries. <i>Small</i> , 2019, 15, e1901518.	5.2	163
34	Effect of Ion Diffusion in Cobalt Molybdenum Bimetallic Sulfide toward Electrocatalytic Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21634-21644.	4.0	47
35	Bifunctional Cu <sub>2</sub> S-Co(OH) <sub>2</sub> nanotube array/Cu foam electrocatalyst for overall water splitting. <i>Electrochimica Acta</i> , 2019, 316, 8-18.	2.6	56
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66	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle u \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle$ active sites stabilization through Mott-Schottky effect for promoting highly efficient conversion of carbon monoxide into n-propanol. <i>Journal of Catalysis</i> , 2020, 382, 49-56.	3.1	83
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90	Co <sub>2</sub> @N-doped carbon core-shell nanorod array grown on Ni foam for enhanced electrocatalytic water oxidation. Journal of Materials Chemistry A, 2020, 8, 6795-6803.	5.2	75



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102	Boosting the electrocatalytic HER performance of Ni <sub>3</sub> N-V <sub>2</sub> O <sub>3</sub> via the interface coupling effect. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119590.	10.8	84
103	Synchronous Electrocatalytic Design of Architectural and Electronic Structure Based on Bifunctional LDH-Co <sub>3</sub> O <sub>4</sub> /NF toward Water Splitting. <i>Chemistry - A European Journal</i> , 2021, 27, 3367-3373.	1.7	8
104	Double metal-organic frameworks derived Fe-Co-Ni phosphides nanosheets as high-performance electrocatalyst for alkaline electrochemical water splitting. <i>Electrochimica Acta</i> , 2021, 367, 137536.	2.6	26
105	Modification strategies on transition metal-based electrocatalysts for efficient water splitting. <i>Journal of Energy Chemistry</i> , 2021, 58, 446-462.	7.1	88
106	V-Bridged-Co <sub>2</sub> O to Eliminate Charge Transfer Barriers and Drive Lattice Oxygen Oxidation during Water Splitting. <i>Advanced Functional Materials</i> , 2021, 31, 2008822.	7.8	40
107	Hierarchical TiO <sub>2</sub> Photoanodes with Spatial Charge Separation for Efficient Oxygen Evolution Reaction. <i>Solar Rrl</i> , 2021, 5, 2000449.	3.1	5
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110	“Superaerophobic” NiCo bimetallic phosphides for highly efficient hydrogen evolution reaction electrocatalysts. <i>Chemical Communications</i> , 2021, 57, 6173-6176.	2.2	13
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112	Nano-mediated uniform ternary Cu–Co–Ni-based nitrogen-doped carbon nanotubes with synergistic reactivity for high-performance oxygen reduction. <i>Nano Express</i> , 2021, 2, 010026.	1.2	1
113	Maximized Schottky Effect: The Ultrafine V <sub>2</sub> O <sub>3</sub> /Ni Heterojunctions Repeatedly Arranging on Monolayer Nanosheets for Efficient and Stable Water–Hydrogen Conversion. <i>Small</i> , 2021, 17, e2005769.	5.2	42
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115	Improving oxygen vacancies by cobalt doping in MoO <sub>2</sub> nanorods for efficient electrocatalytic hydrogen evolution reaction. <i>Nano Select</i> , 2021, 2, 2148-2158.	1.9	9
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119	In situ construction of <sup>13</sup> -MoC/VN heterostructured electrocatalysts with strong electron coupling for highly efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2021, 416, 129130.	6.6	31
120	Construction of Nickel-Based Dual Heterointerfaces towards Accelerated Alkaline Hydrogen Evolution via Boosting Multi-Step Elementary Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2104827.	7.8	42
121	Assembly of Cobalt Layered Double Hydroxide on Cuprous Phosphide Nanowire with Strong Built-in Potential for Accelerated Overall Water Splitting. <i>Small</i> , 2021, 17, e2101725.	5.2	26
122	Monodisperse Cu Cluster-Loaded Defective ZrO <sub>2</sub> Nanofibers for Ambient N <sub>2</sub> Fixation to NH <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40724-40730.	4.0	13
123	Mn-Doped NiFe Layered Double Hydroxide Nanosheets Decorated by Co(OH) <sub>2</sub> Nanosheets: A 3-Dimensional Core–Shell Catalyst for Efficient Oxygen Evolution Reaction. <i>Catalysis Letters</i> , 2022, 152, 1719-1728.	1.4	5
124	Hollow Carbon Nanoballs on Graphene as Metal-Free Catalyst for Overall Electrochemical Water Splitting. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101265.	1.9	5
125	Engineering core–shell Co <sub>9</sub> S <sub>8</sub> /Co nanoparticles on reduced graphene oxide: Efficient bifunctional Mott–Schottky electrocatalysts in neutral rechargeable Zn–Air batteries. <i>Journal of Energy Chemistry</i> , 2022, 68, 113-123.	7.1	51
126	Focused Plasma- and Pure Water-Enabled, Electrode-Emerged Nanointerfaced NiCo Hydroxide–Oxide for Robust Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 45566-45577.	4.0	15



#	ARTICLE	IF	CITATIONS
127	Anchoring Sites Engineering in Single-Atom Catalysts for Highly Efficient Electrochemical Energy Conversion Reactions. <i>Advanced Materials</i> , 2021, 33, e2102801.	11.1	64
128	IrO <sub>x</sub> @In <sub>2</sub> O <sub>3</sub> Heterojunction from Individually Crystallized Oxides for Weak-Light-Promoted Electrocatalytic Water Oxidation. <i>Angewandte Chemie</i> , 2021, 133, 26994-27001.	1.6	4
129	The Role of Surface Curvature in Electrocatalysts. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
130	IrO <sub>x</sub> @In <sub>2</sub> O <sub>3</sub> Heterojunction from Individually Crystallized Oxides for Weak-Light-Promoted Electrocatalytic Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26790-26797.	7.2	23
131	Effect on electrochemical reduction of nitrogen to ammonia under ambient conditions: Challenges and opportunities for chemical fuels. <i>Journal of Energy Chemistry</i> , 2021, 61, 304-318.	7.1	50
132	Facile controlled formation of CoNi alloy and CoO embedded in N-doped carbon as advanced electrocatalysts for oxygen evolution and zinc-air battery. <i>Electrochimica Acta</i> , 2021, 395, 139204.	2.6	11
133	Carbon wrapped bimetallic NiCo nanospheres toward excellent HER and OER performance. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161528.	2.8	46
134	Coaxial Ni-S@N-Doped Carbon Nanofibers Derived Hierarchical Electrodes for Efficient H <sub>2</sub> Production via Urea Electrolysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3937-3948.	4.0	45
135	Core-corona Co/CoP clusters strung on carbon nanotubes as a Schottky catalyst for glucose oxidation assisted H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10893-10908.	5.2	56
136	A fast and general approach to produce a carbon coated Janus metal/oxide hybrid for catalytic water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7606-7616.	5.2	17
137	A Co/CoO hybrid rooted on carbon cloth as an efficient electrocatalyst for the hydrogen evolution reaction in alkaline solution. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1924-1932.	2.5	19
138	Improved Interface Charge Transfer and Redistribution in CuO-CoOOH p-n Heterojunction Nanoarray Electrocatalyst for Enhanced Oxygen Evolution Reaction. <i>Advanced Science</i> , 2021, 8, e2103314.	5.6	100
139	Graphene composites with Ru-RuO <sub>2</sub> heterostructures: Highly efficient Mott-Schottky-type electrocatalysts for pH-universal water splitting and flexible zinc-air batteries. <i>Applied Catalysis B: Environmental</i> , 2022, 302, 120838.	10.8	124
140	Understanding the Effect of Second Metal on CoM (M = Ni, Cu, Zn) Metal-Organic Frameworks for Electrocatalytic Oxygen Evolution Reaction. <i>Small</i> , 2021, 17, e2105150.	5.2	76
141	Critical Review, Recent Updates on Zeolitic Imidazolate Framework-67 (ZIF-67) and Its Derivatives for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2022, 34, e2107072.	11.1	183
142	Morphology and interfacial charge regulation strategies constructing 3D flower-like Co@CoP <sub>2</sub> heterostructure electrocatalyst for efficient overall water splitting. <i>Chemical Engineering Journal</i> , 2022, 433, 133684.	6.6	29
143	Hierarchically hexagon-like NiCoP/Co(PO <sub>3</sub> ) <sub>2</sub> composites supported on Ni foam as multifunction electrodes for supercapacitors and overall water splitting. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 162, 110511.	1.9	5
144	Triple Product Overall Water Splitting - An Environment Friendly and New Direction Water Splitting in Sea-Water Mimicking Electrolyte. <i>ChemistrySelect</i> , 2021, 6, 12316-12322.	0.7	4

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145	Alkaline oxygen evolution: exploring synergy between fcc and hcp cobalt nanoparticles entrapped in N-doped graphene. <i>Materials Today Chemistry</i> , 2022, 23, 100668.	1.7	20
146	Less Energy Consumed Hydrogen Evolution Coupled with Electrocatalytic Removal of Ethanolamine Pollutant in Saline Water over Ni <sub>3</sub> S <sub>2</sub> /CNT Nano-Heterostructured Electrocatalysts. <i>Small Methods</i> , 2022, 6, e2101195.	4.6	10
147	Heterogeneity in a metal-organic framework <i>in situ</i> guides engineering Co@CoO heterojunction for electrocatalytic H <sub>2</sub> production in tandem with glucose oxidation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4791-4799.	5.2	35
148	N-doped M/CoO (M=Ni, Co, and Mn) hybrid grown on nickel foam as efficient electrocatalyst for the chemical-assisted water electrolysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5766-5778.	3.8	14
149	Hydrogen and electricity co-generation from hydrazine-assisted water electrolysis on hierarchical porous heteroatoms-doped CoCu catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121132.	10.8	23
150	Computation-assisted performance optimization for photoelectrochemical photoelectrodes. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	4
151	Zn-Doped CoS <sub>2</sub> Nanoarrays for an Efficient Oxygen Evolution Reaction: Understanding the Doping Effect for a Precatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 14235-14242.	4.0	35
152	Electrochemically Driven Interfacial Transformation For High-Performing Solar-Fuel Electrochemical Conversion. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	25
153	Construction of Heterostructured Sn/TiO <sub>2</sub> /Si Photocathode for Efficient Photoelectrochemical CO <sub>2</sub> Reduction. <i>ChemSusChem</i> , 2022, 15, .	3.6	11
154	Inkjet-Printed rGO/binary Metal Oxide Sensor for Predictive Gas Sensing in a Mixed Environment. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	38
155	Heterostructure of Semiconductors on Self-Supported Cuprous Phosphide Nanowires for Enhanced Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 17520-17530.	4.0	6
156	Interface oxygen vacancy enhanced alkaline hydrogen evolution activity of cobalt-iron phosphide/CeO <sub>2</sub> hollow nanorods. <i>Chemical Engineering Journal</i> , 2022, 437, 135376.	6.6	35
157	Electron redistribution of ruthenium-tungsten oxides Mott-Schottky heterojunction for enhanced hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 308, 121229.	10.8	69
158	Activating Cu/Fe <sub>2</sub> O <sub>3</sub> nanoislands rooted on N-rich porous carbon nanosheets via the Mott-Schottky effect for rechargeable Zn-air battery. <i>Chemical Engineering Journal</i> , 2022, 442, 136128.	6.6	38
159	Surface reconstruction establishing Mott-Schottky heterojunction and built-in space-charging effect accelerating oxygen evolution reaction. <i>Nano Research</i> , 2022, 15, 2952-2960.	5.8	15
160	Heterostructure of core-shell IrCo@IrCoO <sub>x</sub> as efficient and stable catalysts for oxygen evolution reaction. <i>Nanotechnology</i> , 2022, 33, 125702.	1.3	6
161	A Mott-Schottky Heterogeneous Layer for Li-S Batteries: Enabling Both High Stability and Commercial Sulfur Utilization. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	74
162	Superhydrophilic/Superaerophobic Hierarchical NiP <sub>2</sub> @MoO <sub>2</sub> /Co(Ni)MoO <sub>4</sub> Core-Shell Array Electrocatalysts for Efficient Hydrogen Production at Large Current Densities. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19448-19458.	4.0	23

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164	Interfaces joining for modifying transition metal oxides. , 2022, , 191-216.		0
165	A multi-dimensional hierarchical strategy building melamine sponge-derived tetrapod carbon supported cobalt-nickel tellurides 0D/3D nanohybrids for boosting hydrogen evolution and triiodide reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 650-669.	5.0	17
167	Universal avenue to metal-transition metal carbide grafted N-doped carbon framework as efficient dual Mott-Schottky electrocatalysts for water splitting. <i>Sustainable Materials and Technologies</i> , 2022, 33, e00451.	1.7	10
168	Nickel-induced charge redistribution in Ni-Fe/Fe <sub>3</sub> C@nitrogen-doped carbon nanocage as a robust Mott-Schottky bi-functional oxygen catalyst for rechargeable Zn-air battery. <i>Journal of Colloid and Interface Science</i> , 2022, 625, 521-531.	5.0	22
169	Enhanced oxygen evolution reaction activity of Ni(OH) <sub>2</sub> nanosheets via the modified effect of sulfur. <i>Journal of Chemical Sciences</i> , 2022, 134, .	0.7	6
170	Recent advances in non-noble metal-based bifunctional electrocatalysts for overall seawater splitting. <i>Journal of Alloys and Compounds</i> , 2022, 922, 166113.	2.8	66
171	Interfacing nickel with molybdenum oxides as monolithic catalyst to accelerate alkaline hydrogen electrocatalysis with robust stability. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121786.	10.8	19
172	Interfacial engineering of Cu-Fe <sub>2</sub> O <sub>3</sub> nanotube arrays with built-in electric field and oxygen vacancies for boosting the electrocatalytic reduction of nitrates. <i>Materials Advances</i> , 2022, 3, 7107-7115.	2.6	5
173	Defect Engineering of a Mott-Schottky Type Self-Supporting Electrode for Rechargeable Zinc-Air Battery. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0
174	Ni <sub>3</sub> Sn <sub>2</sub> /nitrogen-doped graphene composite with chemisorption and electrocatalysis as advanced separator modifying material for lithium sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 628, 896-910.	5.0	10
175	Interfacial component coupling effects towards precise heterostructure design for efficient electrocatalytic water splitting. <i>Nano Energy</i> , 2022, 103, 107753.	8.2	47
176	Trimetallic CoFeCr-LDH@MoS <sub>2</sub> as a highly efficient bifunctional electrocatalyst for overall water splitting. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 655, 130146.	2.3	5
177	The polyoxometalates mediated preparation of phosphate-modified NiMoO <sub>4</sub> <sup>x</sup> with abundant O-vacancies for H <sub>2</sub> production via urea electrolysis. <i>Journal of Colloid and Interface Science</i> , 2023, 629, 297-309.	5.0	35
178	Ex situ flame vapor-doped oxophilic metals on WP/WO <sub>x</sub> nanowires for enhanced alkaline hydrogen evolution activity. <i>Applied Surface Science</i> , 2023, 608, 155044.	3.1	2
179	Self-construction of pea-like Cu/Cu <sub>2</sub> S Mott-Schottky electrocatalyst for the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, , .	3.8	4
180	Regulation Strategy of Transition Metal Oxide-Based Electrocatalysts for Enhanced Oxygen Evolution Reaction. <i>Accounts of Materials Research</i> , 2022, 3, 1088-1100.	5.9	29
181	Ni <sub>2</sub> P-Co <sub>2</sub> P Nanowire Arrays on Nickel Foam as a Robust pH-Universal Electrocatalyst for High-Efficiency Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2022, 5, 12059-12066.	2.5	10

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183	Stepwise dispersion of nickel species for efficient coupling of electrocatalytic redox reactions. <i>Chemical Engineering Journal</i> , 2023, 454, 140062.	6.6	3
184	Lattice Strain and Schottky Junction Dual Regulation Boosts Ultrafine Ruthenium Nanoparticles Anchored on a N-Modified Carbon Catalyst for H <sub>2</sub> Production. <i>Journal of the American Chemical Society</i> , 2022, 144, 19619-19626.	6.6	99
185	Mott-Schottky heterojunction of Se/NiSe <sub>2</sub> as bifunctional electrocatalyst for energy efficient hydrogen production via urea assisted seawater electrolysis. <i>Journal of Colloid and Interface Science</i> , 2023, 630, 844-854.	5.0	19
186	Achieving highly efficient pH-universal hydrogen evolution by Mott-Schottky heterojunction of Co <sub>2</sub> P/Co <sub>4</sub> N. <i>Chemical Engineering Journal</i> , 2023, 454, 140230.	6.6	32
187	Design of the Synergistic Rectifying Interfaces in Mott-Schottky Catalysts. <i>Chemical Reviews</i> , 2023, 123, 1-30.	23.0	69
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190	Preparation of Flower-Shaped Co-Fe Layer Double Hydroxide Nanosheets Loaded with Pt Nanoparticles by Corrosion Engineering for Efficient Electrocatalytic Water Splitting. <i>ACS Applied Energy Materials</i> , 2022, 5, 15269-15281.	2.5	9
191	High-Density Frustrated Lewis Pair for High-Performance Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	6
192	Boosting cathodic hydrogen evolution with furfuryl alcohol oxidation as the anodic half-reaction for hybrid water splitting. <i>Electrochimica Acta</i> , 2023, 441, 141736.	2.6	1
193	Circumventing Challenges: Design of Anodic Electrocatalysts for Hybrid Water Electrolysis Systems. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	42
195	A 3D hierarchical electrocatalyst: Core-shell Cu@Cu(OH) <sub>2</sub> nanorods/MOF octahedra supported on N-doped carbon for oxygen evolution reaction. <i>Nano Research</i> , 2023, 16, 8012-8017.	5.8	13
196	Recent progress in C-N coupling for electrochemical CO <sub>2</sub> reduction with inorganic nitrogenous species in aqueous solution. <i>Materials Reports Energy</i> , 2023, 3, 100178.	1.7	2
197	Roles of Metal Oxide Nanostructure-Based Substrates in Sustainable Electrochemical Water Splitting: Recent Development and Future Perspective. <i>ACS Applied Nano Materials</i> , 2023, 6, 1631-1647.	2.4	22
198	Constructing ultrafine monodispersed Co <sub>2</sub> P/(0.59-Cu <sub>3</sub> P) on Cu doped CoZn-ZIF derived porous N-doped carbon for highly efficient dehydrogenation of ammonia borane. <i>Nano Research</i> , 2023, 16, 6687-6700.	5.8	11
199	Role of vanadium ions substitution on spinel MnCo <sub>2</sub> O <sub>4</sub> towards enhanced electrocatalytic activity for hydrogen generation. <i>Scientific Reports</i> , 2023, 13, .	1.6	12
200	Ni@TiO <sub>2</sub> Nanoarray with the Schottky Junction for the Highly Selective Electrochemical Reduction of Nitrite to Ammonia. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 2686-2691.	3.2	8

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202	Effects of Group IB Metals of Au/Ag/Cu on Boosting Oxygen Evolution Reaction of Cobalt Hydroxide. ChemCatChem, 2023, 15, .	1.8	3
203	Hierarchically Structured CoNiP/CoNi Nanoparticle/Graphene/Carbon Foams as Effective Bifunctional Electrocatalysts for HER and OER. Industrial & Engineering Chemistry Research, 2023, 62, 4987-4994.	1.8	4
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