

Weijia Zhou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

12,986
citations

56
h-index

110
g-index

198
ext. papers

15,293
ext. citations

11.1
avg, IF

6.61
L-index

#	Paper	IF	Citations
187	Magnetron sputtering tuned back-donation sites over metal oxides for enhanced electrocatalytic nitrogen reduction. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 2800-2806	13	1
186	An effective formaldehyde gas sensor based on oxygen-rich three-dimensional graphene.. <i>Nanotechnology</i> , 2022 ,	3.4	5
185	Underfocus Laser Induced Ni Nanoparticles Embedded Metallic MoN Microrods as Patterned Electrode for Efficient Overall Water Splitting.. <i>Advanced Science</i> , 2022 , e2105869	13.6	6
184	Applications of nanogenerators for biomedical engineering and healthcare systems. <i>Information Materials</i> , 2022 , 4,	23.1	13
183	Saturated hydrogen regulated ti coordination of metallic tih ₂ /ti electrode via in-situ electrochemical hydrogenation for enhanced hydrogen evolution reaction. <i>Nano Energy</i> , 2022 , 93, 106892	17.1	2
182	Cathode electrochemically reconstructed V-doped CoO nanosheets for enhanced alkaline hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2022 , 432, 134331	14.7	2
181	Capture and recycling of toxic selenite anions by cobalt-based metal-organic-frameworks for electrocatalytic overall water splitting. <i>Chemical Engineering Journal</i> , 2022 , 433, 134553	14.7	3
180	Laser ablative TiO and tremella-like CuInS nanocomposites for robust and ultrasensitive photoelectrochemical sensing of let-7a.. <i>Mikrochimica Acta</i> , 2022 , 189, 145	5.8	
179	Electrochemically Exfoliated Chlorine-doped Graphene for Flexible All-Solid-State Micro-Supercapacitors with High Volumetric Energy Density.. <i>Advanced Materials</i> , 2022 , e2106309	24	2
178	Electrocatalytic upcycling of nitrate and hydrogen sulfide via a nitrogen-doped carbon nanotubes encapsulated iron carbide electrode. <i>Applied Catalysis B: Environmental</i> , 2022 , 310, 121291	21.8	1
177	Laser fabrication of Pt anchored Mo ₂ C micropillars as integrated gas diffusion and catalytic electrode for proton exchange membrane water electrolyzer. <i>Applied Catalysis B: Environmental</i> , 2022 , 314, 121455	21.8	4
176	High-performance electronics and optoelectronics of monolayer tungsten diselenide full film from pre-seeding strategy. <i>Information Materials</i> , 2021 , 3, 1455	23.1	7
175	Laser-fabricated Channeled Cu ₆ Sn ₅ /Sn as Electrocatalyst and Gas Diffusion Electrode for Efficient CO ₂ Electroreduction to Formate. <i>Applied Catalysis B: Environmental</i> , 2021 , 120991	21.8	7
174	Waste-yeast biomass as nitrogen/phosphorus sources and carbon template: Environment-friendly synthesis of N,P-Mo ₂ C nanoparticles on porous carbon Matrix matrix for efficient hydrogen evolution. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	3
173	Graphene Biodevices for Early Disease Diagnosis Based on Biomarker Detection. <i>ACS Sensors</i> , 2021 , 6, 3841-3881	9.2	7
172	Preferential Adsorption of Hydroxide Ions onto Partially Crystalline NiFe-Layered Double Hydroxides Leads to Efficient and Selective OER in Alkaline Seawater. <i>ACS Applied Energy Materials</i> , 2021 , 4, 4630-4637	6.1	15
171	Synthesis of Wafer-Scale Graphene with Chemical Vapor Deposition for Electronic Device Applications. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000744	6.8	16

170	Multi-interface collaboration of graphene cross-linked NiS-NiS ₂ -Ni ₃ S ₄ polymorph foam towards robust hydrogen evolution in alkaline electrolyte. <i>Nano Research</i> , 2021 , 14, 4857	10	17
169	Applications of 2D-Layered Palladium Diselenide and Its van der Waals Heterostructures in Electronics and Optoelectronics. <i>Nano-Micro Letters</i> , 2021 , 13, 143	19.5	18
168	Ruthenium nanoclusters anchored on cobalt phosphide hollow microspheres by green phosphating process for full water splitting in acidic electrolyte. <i>Chinese Chemical Letters</i> , 2021 , 32, 511-515	8.1	18
167	MoC nanoclusters anchored Ni@N-doped carbon nanotubes coated on carbon fiber as three-dimensional and multifunctional electrodes for flexible supercapacitor and self-heating device 2021 , 3, 129-141		9
166	Laser patterned and bifunctional Ni@N-doped carbon nanotubes as electrocatalyst and photothermal conversion layer for water splitting driven by thermoelectric device. <i>Applied Catalysis B: Environmental</i> , 2021 , 283, 119647	21.8	15
165	Non-thermal radiation heating synthesis of nanomaterials. <i>Science Bulletin</i> , 2021 , 66, 386-406	10.6	9
164	Integrating NiMoO wafer as a heterogeneous Turbocor for engineering robust Ru-based electrocatalyst for overall water splitting. <i>Chemical Engineering Journal</i> , 2021 , 420, 127686	14.7	6
163	Enhanced photo-induced carrier separation of CdS/MoS ₂ via micro-potential of Mo microsheet derived from electromagnetic induction. <i>Chemical Engineering Journal</i> , 2021 , 404, 126972	14.7	5
162	Electromagnetic induction effect induced high-efficiency hot charge generation and transfer in Pd-tipped Au nanorods to boost plasmon-enhanced formic acid dehydrogenation. <i>Nano Energy</i> , 2021 , 80, 105543	17.1	10
161	Synthesis of CdS/MoS ₂ Nanooctahedrons Heterostructure with a Tight Interface for Enhanced Photocatalytic H ₂ Evolution and Biomass Upgrading. <i>Solar Rrl</i> , 2021 , 5, 2000415	7.1	10
160	Rapid Synthesis of Various Electrocatalysts on Ni Foam Using a Universal and Facile Induction Heating Method for Efficient Water Splitting. <i>Advanced Functional Materials</i> , 2021 , 31, 2009580	15.6	19
159	Laser-assisted synthesis of cobalt@N-doped carbon nanotubes decorated channels and pillars of wafer-sized silicon as highly efficient three-dimensional solar evaporator. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	3
158	Theoretical Insight into High-Efficiency Triple-Junction Tandem Solar Cells via the Band Engineering of Antimony Chalcogenides. <i>Solar Rrl</i> , 2021 , 5, 2000800	7.1	29
157	Charge redistribution of Ru nanoclusters on Co ₃ O ₄ porous nanowire via the oxygen regulation for enhanced hydrogen evolution reaction. <i>Nano Energy</i> , 2021 , 85, 105940	17.1	27
156	S doped Ta ₂ O ₅ Decorated CdS Nanosphere via Interfacial Diffusion for Enhanced and Stable Photocatalytic Hydrogen Production. <i>Chemical Engineering Journal</i> , 2021 , 131673	14.7	3
155	Applications of Carbon Nanotubes in the Internet of Things Era. <i>Nano-Micro Letters</i> , 2021 , 13, 191	19.5	8
154	Plasmon-enhanced Hydrogen evolution reaction kinetics through the strong coupling of Au-O Bond on Au-MoO ₂ heterostructure nanosheets. <i>Nano Energy</i> , 2021 , 88, 106302	17.1	10
153	Multi-interfacial engineering of hierarchical CoNi ₂ S ₄ /WS ₂ /Co ₉ S ₈ hybrid frameworks for robust all-pH electrocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120455	21.8	18

152	Multifunctional electrocatalyst of NiCo-NiCoP nanoparticles embedded into P-doped carbon nanotubes for Energy-Saving hydrogen production and upgraded conversion of formaldehyde. <i>Chemical Engineering Journal</i> , 2021 , 426, 129214	14.7	4
151	Intersected nonpolar ZnO nanosail arrays aligned epitaxially on LiGaO ₂ substrate towards enhanced photoelectrochemical responses. <i>Nano Select</i> , 2021 , 2, 1233-1243	3.1	1
150	Laser Synthesis and Microfabrication of Micro/Nanostructured Materials Toward Energy Conversion and Storage. <i>Nano-Micro Letters</i> , 2021 , 13, 49	19.5	22
149	Nanostructured Black Aluminum Prepared by Laser Direct Writing as a High-Performance Plasmonic Absorber for Photothermal/Electric Conversion. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 4305-4315	9.5	11
148	Addressable surface engineering for N-doped WS nanosheet arrays with abundant active sites and the optimal local electronic structure for enhanced hydrogen evolution reaction. <i>Nanoscale</i> , 2020 , 12, 22541-22550	7.7	10
147	Tailoring the ruthenium reactive sites on N doped molybdenum carbide nanosheets via the anti-Ostwald ripening as efficient electrocatalyst for hydrogen evolution reaction in alkaline media. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119236	21.8	47
146	N doped carbon coated multi-metals nanoparticles decorated perovskite as electrocatalyst for efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2020 , 399, 125779	14.7	13
145	Water Splitting: From Electrode to Green Energy System. <i>Nano-Micro Letters</i> , 2020 , 12, 131	19.5	106
144	Unsymmetrical Alveolate PMMA/MWCNT Film as a Piezoresistive E-Skin with Four-Dimensional Resolution and Application for Detecting Motion Direction and Airflow Rate. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30896-30904	9.5	15
143	Dynamically controlled growth of CuMoD nanosheets for efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9337-9344	7.1	1
142	Phosphorus-Doped Iron Nitride Nanoparticles Encapsulated by Nitrogen-Doped Carbon Nanosheets on Iron Foam In Situ Derived from Saccharomyces Cerevisiae for Electrocatalytic Overall Water Splitting. <i>Small</i> , 2020 , 16, e2001980	11	15
141	A Universal Process: Self-Templated and Orientated Fabrication of XMoO (X: Ni, Co, or Fe) Nanosheets on MoO Nanoplates as Electrocatalysts for Efficient Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33785-33794	9.5	8
140	Commercially Available CuO Catalyzed Hydrogenation of Nitroarenes Using Ammonia Borane as a Hydrogen Source. <i>ChemCatChem</i> , 2020 , 12, 2426-2430	5.2	13
139	Electromagnetic induction derived micro-electric potential in metal-semiconductor core-shell hybrid nanostructure enhancing charge separation for high performance photocatalysis. <i>Nano Energy</i> , 2020 , 71, 104624	17.1	25
138	WSe ₂ 2D p-type semiconductor-based electronic devices for information technology: Design, preparation, and applications. <i>Information Materials</i> , 2020 , 2, 656-697	23.1	49
137	Puffing quaternary Fe _x CoyNi _{1-x-y} P nanoarray via kinetically controlled alkaline etching for robust overall water splitting. <i>Science China Materials</i> , 2020 , 63, 1054-1064	7.1	21
136	Highly Morphology-Controllable and Highly Sensitive Capacitive Tactile Sensor Based on Epidermis-Dermis-Inspired Interlocked Asymmetric-Nanocone Arrays for Detection of Tiny Pressure. <i>Small</i> , 2020 , 16, e1904774	11	67
135	One-Step Sublimation and Epitaxial Growth of CdS-Cd Heterogeneous Nanoparticles on S-Doped MoO Nanosheets for Efficient Visible Light-Driven Photocatalytic H ₂ Generation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2362-2369	9.5	14

134	Active facet regulation of highly aligned molybdenum carbide porous octahedrons via crystal engineering for hydrogen evolution reaction. <i>Nano Energy</i> , 2020 , 77, 105056	17.1	19
133	Charge Redistribution Caused by S,P Synergistically Active Ru Endows an Ultrahigh Hydrogen Evolution Activity of S-Doped RuP Embedded in N,P,S-Doped Carbon. <i>Advanced Science</i> , 2020 , 7, 2001526	13.6	32
132	Ni-Ni ₃ P nanoparticles embedded into N, P-doped carbon on 3D graphene frameworks via in situ phosphatization of saccharomyces with multifunctional electrodes for electrocatalytic hydrogen production and anodic degradation. <i>Applied Catalysis B: Environmental</i> , 2020 , 261, 118147	21.8	54
131	Metallic Ni ₃ Mo ₃ N Porous Microrods with Abundant Catalytic Sites as Efficient Electrocatalyst for Large Current Density and Superstability of Hydrogen Evolution Reaction and Water Splitting. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118956	21.8	68
130	N-Doped MoC Nanobelts/Graphene Nanosheets Bonded with Hydroxy Nanocellulose as Flexible and Editable Electrode for Hydrogen Evolution Reaction. <i>IScience</i> , 2019 , 19, 1090-1100	6.1	28
129	Tailored synthesis of Zn-N co-doped porous MoC nanosheets towards efficient hydrogen evolution. <i>Nanoscale</i> , 2019 , 11, 1700-1709	7.7	29
128	Simultaneous Cr(VI) reduction and electricity generation in Plant-Sediment Microbial Fuel Cells (P-SMFCs): Synthesis of non-bonding CoO nanowires onto cathodes. <i>Environmental Pollution</i> , 2019 , 247, 647-657	9.3	23
127	Facile synthesis of hierarchical porous NiCoSeO networks with controllable composition as a new and efficient water oxidation catalyst. <i>Nanoscale</i> , 2019 , 11, 3268-3274	7.7	17
126	Tungsten boride: a 2D multiple Dirac semimetal for the hydrogen evolution reaction. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8868-8873	7.1	30
125	Oxygen-incorporated MoX (X: S, Se or P) nanosheets via universal and controlled electrochemical anodic activation for enhanced hydrogen evolution activity. <i>Nano Energy</i> , 2019 , 62, 338-347	17.1	66
124	Confined distribution of platinum clusters on MoO ₂ hexagonal nanosheets with oxygen vacancies as a high-efficiency electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2019 , 62, 127-135	17.1	86
123	RuRu ₂ P@NPC and NPC@RuO ₂ Synthesized via Environment-Friendly and Solid-Phase Phosphating Process by Saccharomyces as N/P Sources and Carbon Template for Overall Water Splitting in Acid Electrolyte. <i>Advanced Functional Materials</i> , 2019 , 29, 1901154	15.6	78
122	Ni-Co-N hybrid porous nanosheets on graphene paper for flexible and editable asymmetric all-solid-state supercapacitors. <i>Nano Energy</i> , 2019 , 61, 18-26	17.1	79
121	Hierarchical microsphere of MoNi porous nanosheets as electrocatalyst and cocatalyst for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019 , 249, 98-105	21.8	63
120	Fast Energy Storage in Two-Dimensional MoO Enabled by Uniform Oriented Tunnels. <i>ACS Nano</i> , 2019 , 13, 9091-9099	16.7	24
119	Suppressing Photoinduced Charge Recombination via the Lorentz Force in a Photocatalytic System. <i>Advanced Science</i> , 2019 , 6, 1901244	13.6	42
118	Electrochemical Flocculation Integrated Hydrogen Evolution Reaction of Fe@N-Doped Carbon Nanotubes on Iron Foam for Ultralow Voltage Electrolysis in Neutral Media. <i>Advanced Science</i> , 2019 , 6, 1901458	13.6	43
117	A General Method for the Synthesis of Hybrid Nanostructures Using MoSe Nanosheet-Assembled Nanospheres as Templates. <i>Research</i> , 2019 , 2019, 6439734	7.8	4

116	N-doped carbon-wrapped Mo C heterophase sheets for high-efficiency electrochemical hydrogen production. <i>Chemical Engineering Journal</i> , 2019 , 358, 362-368	14.7	27
115	An earth-abundant and multifunctional Ni nanosheets array as electrocatalysts and heat absorption layer integrated thermoelectric device for overall water splitting. <i>Nano Energy</i> , 2019 , 56, 563-570	17.1	38
114	MoSe nanosheet/MoO nanobelt/carbon nanotube membrane as flexible and multifunctional electrodes for full water splitting in acidic electrolyte. <i>Nanoscale</i> , 2018 , 10, 9268-9275	7.7	43
113	Co Nanoparticles@N-doped carbon coated on carbon Nanotube@Defective silica as non-noble photocathode for efficient photoelectrochemical hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 9279-9286	6.7	4
112	Enabling a highly reversible conversion reaction in a lithiated nano-SnO ₂ film coated with Al ₂ O ₃ by atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4374-4385	13	23
111	Iron oxide embedded titania nanowires [An active and stable electrocatalyst for oxygen evolution in acidic media. <i>Nano Energy</i> , 2018 , 45, 118-126	17.1	76
110	TiO nanodots anchored on nitrogen-doped carbon nanotubes encapsulated cobalt nanoparticles as photocatalysts with photo-enhanced catalytic activity towards the pollutant removal. <i>Journal of Colloid and Interface Science</i> , 2018 , 526, 158-166	9.3	28
109	Carbon-based Electrocatalysts for Water-splitting 2018 , 459-483		1
108	Cobalt@Cobalt Phosphide Nanoparticles@Nitrogen-Phosphorus Doped Carbon/Graphene Derived from Cobalt Ions Adsorbed Saccharomycete Yeasts as an Efficient, Stable, and Large-Current-Density Electrode for Hydrogen Evolution Reactions. <i>Advanced Functional Materials</i> , 2018 , 28, 1801332	15.6	75
107	General Approach of in Situ Etching and Doping To Synthesize a Nickel-Doped MxOy (M = Co, Mn, Fe) Nanosheets Array on Nickel Foam as Large-Sized Electrodes for Overall Water Splitting. <i>ACS Applied Energy Materials</i> , 2018 , 1, 6279-6287	6.1	23
106	One-step synthesis of Fe-Ni hydroxide nanosheets derived from bimetallic foam for efficient electrocatalytic oxygen evolution and overall water splitting. <i>Chinese Chemical Letters</i> , 2018 , 29, 1875-1878	8.1	48
105	Simultaneous water recovery and hydrogen production by bifunctional electrocatalyst of nitrogen-doped carbon nanotubes protected cobalt nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 12110-12118	6.7	9
104	Co-N-doped MoO modified carbon felt cathode for removal of EDTA-Ni in electro-Fenton process. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 22754-22765	5.1	9
103	Ni and N co-doped MoCx as efficient electrocatalysts for hydrogen evolution reaction at all-pH values. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 14301-14309	6.7	21
102	Regulated Synthesis of Mo Sheets and Their Derivative MoX Sheets (X: P, S, or C) as Efficient Electrocatalysts for Hydrogen Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8041-8046	9.5	35
101	Construction and Performance Characterization of Fe ₂ O ₃ /rGO Composite for Long-Cycling-Life Supercapacitor Anode. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5067-5074	8.3	66
100	Preparation of Ti ₃ C ₂ and Ti ₂ C MXenes by fluoride salts etching and methane adsorptive properties. <i>Applied Surface Science</i> , 2017 , 416, 781-789	6.7	213
99	Hierarchical nanoflowers assembled from MoS ₂ /polyaniline sandwiched nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2017 , 243, 98-104	6.7	44

98	Nitrogen doped MoS ₂ nanosheets synthesized via a low-temperature process as electrocatalysts with enhanced activity for hydrogen evolution reaction. <i>Journal of Power Sources</i> , 2017 , 356, 133-139	8.9	146
97	A Wire-Shaped Supercapacitor in Micrometer Size Based on FeO Nanosheet Arrays on Fe Wire. <i>Nano-Micro Letters</i> , 2017 , 9, 46	19.5	48
96	Facile synthesis of MoS ₂ /reduced graphene oxide composites for efficient removal of Cr(VI) from aqueous solutions. <i>RSC Advances</i> , 2017 , 7, 24149-24156	3.7	30
95	One-step synthesis of CdS nanoparticles/MoS ₂ nanosheets heterostructure on porous molybdenum sheet for enhanced photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2017 , 210, 290-296	21.8	166
94	Enhanced electrocatalytic activity of Co@N-doped carbon nanotubes by ultrasmall defect-rich TiO ₂ nanoparticles for hydrogen evolution reaction. <i>Nano Research</i> , 2017 , 10, 2599-2609	10	60
93	Porous Functionalized Self-Standing Carbon Fiber Paper Electrodes for High-Performance Capacitive Energy Storage. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13173-13180	9.5	27
92	Co-N-doped MoO ₂ nanowires as efficient electrocatalysts for the oxygen reduction reaction and hydrogen evolution reaction. <i>Nano Energy</i> , 2017 , 41, 772-779	17.1	81
91	Porous molybdenum carbide microspheres as efficient binder-free electrocatalysts for suspended hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 6448-6454	6.7	20
90	Nitrified coke wastewater sludge flocs: an attractive precursor for N,S dual-doped graphene-like carbon with ultrahigh capacitance and oxygen reduction performance. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 2012-2020	13	33
89	PdO/TiO ₂ nanobelt heterostructures with high photocatalytic activities based on an exposed highly active facet on ultrathin TiO ₂ nanobelts. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 161, 297-304	6.4	29
88	Molybdenum carbide on hierarchical porous carbon synthesized from Cu-MoO ₂ as efficient electrocatalysts for electrochemical hydrogen generation. <i>Nano Energy</i> , 2017 , 41, 749-757	17.1	88
87	Ultrathin N-Doped MoC Nanosheets with Exposed Active Sites as Efficient Electrocatalyst for Hydrogen Evolution Reactions. <i>ACS Nano</i> , 2017 , 11, 12509-12518	16.7	238
86	Nickel nanoparticles partially embedded into carbon fiber cloth via metal-mediated pitting process as flexible and efficient electrodes for hydrogen evolution reactions. <i>Carbon</i> , 2017 , 122, 710-717	10.4	52
85	CoSe ₂ nanoparticles embedded defective carbon nanotubes derived from MOFs as efficient electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2016 , 28, 143-150	17.1	215
84	Carbon Materials for Supercapacitors. <i>Nanostructure Science and Technology</i> , 2016 , 271-315	0.9	3
83	Metal Nickel Foam as an Efficient and Stable Electrode for Hydrogen Evolution Reaction in Acidic Electrolyte under Reasonable Overpotentials. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5065-9	9.5	94
82	Oxygen reduction catalyzed by gold nanoclusters supported on carbon nanosheets. <i>Nanoscale</i> , 2016 , 8, 6629-35	7.7	47
81	Hierarchical spheres constructed by defect-rich MoS ₂ /carbon nanosheets for efficient electrocatalytic hydrogen evolution. <i>Nano Energy</i> , 2016 , 22, 490-498	17.1	232

80	Core-Shell Nanocomposites Based on Gold Iron-Embedded Porous Carbons Derived from Metal-Organic Frameworks as Efficient Dual Catalysts for Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Catalysis</i> , 2016 , 6, 1045-1053	13.1	138
79	Municipal sludge-derived carbon anode with nitrogen- and oxygen-containing functional groups for high-performance microbial fuel cells. <i>Journal of Power Sources</i> , 2016 , 307, 105-111	8.9	50
78	Graphene-Supported Mesoporous Carbons Prepared with Thermally Removable Templates as Efficient Catalysts for Oxygen Electroreduction. <i>Small</i> , 2016 , 12, 1900-8	11	50
77	Metal-Carbon Hybrid Electrocatalysts Derived from Ion-Exchange Resin Containing Heavy Metals for Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2016 , 12, 2768-74	11	28
76	Bioreduction of Precious Metals by Microorganism: Efficient Gold@N-Doped Carbon Electrocatalysts for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8416-20	16.4	80
75	Bioreduction of Precious Metals by Microorganism: Efficient Gold@N-Doped Carbon Electrocatalysts for the Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2016 , 128, 8556-8560	3.6	43
74	A new strategy to tailor the structure of sustainable 3D hierarchical porous N-self-doped carbons from renewable biomass for high-performance supercapacitors and CO ₂ capture. <i>RSC Advances</i> , 2016 , 6, 34261-34270	3.7	23
73	The reactivity study of peptide A3-capped gold and silver nanoparticles with heavy metal ions. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016 , 210, 37-42	3.1	11
72	Recent developments of carbon-based electrocatalysts for hydrogen evolution reaction. <i>Nano Energy</i> , 2016 , 28, 29-43	17.1	473
71	N-Doped Carbon-Wrapped Cobalt Nanoparticles on N-Doped Graphene Nanosheets for High-Efficiency Hydrogen Production. <i>Chemistry of Materials</i> , 2015 , 27, 2026-2032	9.6	273
70	Biomass-derived nitrogen self-doped porous carbon as effective metal-free catalysts for oxygen reduction reaction. <i>Nanoscale</i> , 2015 , 7, 6136-42	7.7	214
69	High-Performance Electrocatalysts for Oxygen Reduction Based on Nitrogen-Doped Porous Carbon from Hydrothermal Treatment of Glucose and Dicyandiamide. <i>ChemElectroChem</i> , 2015 , 2, 803-810	4.3	56
68	Sulfur and nitrogen self-doped carbon nanosheets derived from peanut root nodules as high-efficiency non-metal electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2015 , 16, 357-366	17.1	125
67	Flexible and porous catalyst electrodes constructed by Co nanoparticles@nitrogen-doped graphene films for highly efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15962-15968	13.968	71
66	Mesoporous N-doped carbons prepared with thermally removable nanoparticle templates: an efficient electrocatalyst for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5555-62	16.4	543
65	N-doped carbon-coated cobalt nanorod arrays supported on a titanium mesh as highly active electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1915-1919	13	93
64	Pt nanoparticles/MoS ₂ nanosheets/carbon fibers as efficient catalyst for the hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2015 , 166, 26-31	6.7	208
63	Nitrogen and sulfur co-doped porous carbon derived from human hair as highly efficient metal-free electrocatalysts for hydrogen evolution reactions. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8840-8846	13	107

62	MoS ₂ nanosheet-coated CoS ₂ nanowire arrays on carbon cloth as three-dimensional electrodes for efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22886-22891	13	161
61	Cu ₆ Sn ₅ @SnO ₂ nanocomposite with stable core/shell structure as a high reversible anode for Li-ion batteries. <i>Nano Energy</i> , 2015 , 18, 232-244	17.1	47
60	Ultrahigh-Performance Pseudocapacitor Electrodes Based on Transition Metal Phosphide Nanosheets Array via Phosphorization: A General and Effective Approach. <i>Advanced Functional Materials</i> , 2015 , 25, 7530-7538	15.6	287
59	One-pot synthesis of graphene/carbon nanospheres/graphene sandwich supported Pt ₃ Ni nanoparticles with enhanced electrocatalytic activity in methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 5106-5114	6.7	27
58	Oxygen electroreduction promoted by quasi oxygen vacancies in metal oxide nanoparticles prepared by photoinduced chlorine doping. <i>Chemical Communications</i> , 2015 , 51, 10620-3	5.8	14
57	Ordered mesoporous carbons-supported gold nanoparticles as highly efficient electrocatalysts for oxygen reduction reaction. <i>RSC Advances</i> , 2015 , 5, 103421-103427	3.7	13
56	Porous metallic MoO ₂ -supported MoS ₂ nanosheets for enhanced electrocatalytic activity in the hydrogen evolution reaction. <i>Nanoscale</i> , 2015 , 7, 5203-8	7.7	226
55	Ultrathin MoO ₃ nanocrystal self-assembled on graphene nanosheets via oxygen bonding as supercapacitor electrodes of high capacitance and long cycle life. <i>Nano Energy</i> , 2015 , 12, 510-520	17.1	165
54	High-Performance Supercapacitors Based on Nitrogen-Doped Porous Carbon from Surplus Sludge. <i>Science of Advanced Materials</i> , 2015 , 7, 571-578	2.3	6
53	High-Performance Capacitors Based on MoS ₂ Nanosheets Supported on Carbon Fibers. <i>Science of Advanced Materials</i> , 2015 , 7, 2336-2342	2.3	5
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51	Phase transformation and enhanced photocatalytic activity of S-doped Ag ₂ O/TiO ₂ heterostructured nanobelts. <i>Nanoscale</i> , 2014 , 6, 4698-704	7.7	66
50	High quality sulfur-doped titanium dioxide nanocatalysts with visible light photocatalytic activity from non-hydrolytic thermolysis synthesis. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 521-525	6.8	42
49	Three-dimensional hierarchical frameworks based on MoS ₂ nanosheets self-assembled on graphene oxide for efficient electrocatalytic hydrogen evolution. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21534-40	9.5	209
48	Nitrogen self-doped porous carbon from surplus sludge as metal-free electrocatalysts for oxygen reduction reactions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14911-8	9.5	50
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46	Flexible wire-like all-carbon supercapacitors based on porous core-shell carbon fibers. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7250-7255	13	78
45	Enhanced performance of layered titanate nanowire-based supercapacitor electrodes by nickel ion exchange. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4578-86	9.5	87

44	Bismuth titanate nanobelts through a low-temperature nanoscale solid-state reaction. <i>Acta Materialia</i> , 2014 , 62, 258-266	8.4	23
43	Two-Dimensional Photocatalysts: Properties, Synthesis, and Applications. <i>Energy and Environment Focus</i> , 2014 , 3, 330-338		3
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39	Enhanced photocatalytic performances of CeO ₂ /TiO ₂ nanobelt heterostructures. <i>Small</i> , 2013 , 9, 3864-72	11	231
38	Preparation of cellulose fiber/TiO ₂ nanobelt/silver nanoparticle hierarchically structured hybrid paper and its photocatalytic and antibacterial properties. <i>Chemical Engineering Journal</i> , 2013 , 228, 272-280	14.7	75
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34	Delaminated sodium titanate nanobelts in synergy with cationic polyacrylamide to induce flocculation on kaolin clay. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 414, 9-16	5.1	8
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23	Ag ₂ O/TiO ₂ nanobelts heterostructure with enhanced ultraviolet and visible photocatalytic activity. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 2385-92	9.5	444
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