

Weijia Zhou

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187
papers

12,986
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56
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110
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198
ext. papers

15,293
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
187	Synthesis of few-layer MoS ₂ nanosheet-coated TiO ₂ nanobelt heterostructures for enhanced photocatalytic activities. <i>Small</i> , 2013 , 9, 140-7	11	1059
186	Ni ₃ S ₂ nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. <i>Energy and Environmental Science</i> , 2013 , 6, 2921	35.4	814
185	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
184	One-step synthesis of Ni ₃ S ₂ nanorod@Ni(OH) ₂ nanosheet core-shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013 , 6, 2216-2221	35.4	503
183	Recent developments of carbon-based electrocatalysts for hydrogen evolution reaction. <i>Nano Energy</i> , 2016 , 28, 29-43	17.1	473
182	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
181	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
180	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
179	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
178	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
177	MoO ₂ nanobelts@nitrogen self-doped MoS ₂ nanosheets as effective electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11358	13	232
176	Enhanced photocatalytic performances of CeO ₂ /TiO ₂ nanobelt heterostructures. <i>Small</i> , 2013 , 9, 3864-72	11	231
175	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
174	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
173	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
172	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
171	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

170	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
169	One-dimensional single-crystalline TiO ₂ based nanostructures: properties, synthesis, modifications and applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5993		182
168	Enhancement of ethanol vapor sensing of TiO ₂ nanobelts by surface engineering. <i>ACS Applied Materials & Interfaces</i> , 2010 , 2, 3263-9	9.5	171
167	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
166	Ultrathin MoO ₃ nanocrystals 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
165	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
164	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
163	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
162	Nanoheterostructures on TiO ₂ nanobelts achieved by acid hydrothermal method with enhanced photocatalytic and gas sensitive performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7937		138
161	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
160	Control synthesis of rutile TiO ₂ microspheres, nanoflowers, nanotrees and nanobelts via acid-hydrothermal method and their optical properties. <i>CrystEngComm</i> , 2011 , 13, 4557	3.3	121
159	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
158	Water Splitting: From Electrode to Green Energy System. <i>Nano-Micro Letters</i> , 2020 , 12, 131	19.5	106
157	Nano-pH junctions on surface-coarsened TiO ₂ nanobelts with enhanced photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5106		106
156	Phase transformation of TiO ₂ nanobelts and TiO ₂ (B)/anatase interface heterostructure nanobelts with enhanced photocatalytic activity. <i>CrystEngComm</i> , 2011 , 13, 6643	3.3	101
155	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
154	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
153	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

152	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
151	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
150	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
149	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
148	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
147	Ru@Ni 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
146	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
145	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
144	Cobalt-Cobalt Phosphide Nanoparticles@Nitrogen-Phosphorus Doped Carbon/Graphene Derived from Cobalt Ions Adsorbed Saccharomyces 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
143	Preparation of cellulose fiber@TiO ₂ nanobeltsilver nanoparticle hierarchically structured hybrid paper and its photocatalytic and antibacterial properties. <i>Chemical Engineering Journal</i> , 2013 , 228, 272-280	14.7	75
142	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
141	Mesoporous zirconium phosphate from yeast biotemplate. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 344-9	9.3	71
140	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
139	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
138	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
137	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
136	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
135	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

134	The biomimetic synthesis of zinc phosphate nanoparticles. <i>Dyes and Pigments</i> , 2009 , 80, 254-258	4.6	62
133	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
132	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
131	Ni-Ni ₃ P nanoparticles embedded into N, P-doped carbon on 3D graphene frameworks via in situ phosphatization of saccharomycetes with multifunctional electrodes for electrocatalytic hydrogen production and anodic degradation. <i>Applied Catalysis B: Environmental</i> , 2020 , 261, 118147	21.8	54
130	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
129	Nanopaper based on Ag/TiO ₂ nanobelts heterostructure for continuous-flow photocatalytic treatment of liquid and gas phase pollutants. <i>Journal of Hazardous Materials</i> , 2011 , 197, 19-25	12.8	52
128	Interface dominated high photocatalytic properties of electrostatic self-assembled Ag(2)O/TiO(2) heterostructure. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 15119-23	3.6	52
127	Biosynthesis and magnetic properties of mesoporous Fe ₃ O ₄ composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1025-1028	2.8	51
126	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
125	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
124	Graphene-Supported Mesoporous Carbons Prepared with Thermally Removable Templates as Efficient Catalysts for Oxygen Electroreduction. <i>Small</i> , 2016 , 12, 1900-8	11	50
123	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
122	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
121	PdO/TiO ₂ and Pd/TiO ₂ heterostructured nanobelts with enhanced photocatalytic activity. <i>Chemistry - an Asian Journal</i> , 2014 , 9, 1648-54	4.5	48
120	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
119	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
118	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
117	Oxygen reduction catalyzed by gold nanoclusters supported on carbon nanosheets. <i>Nanoscale</i> , 2016 , 8, 6629-35	7.7	47

116	Hierarchical nanoflowers assembled from MoS ₂ /polyaniline sandwiched nanosheets for high-performance supercapacitors. <i>Electrochimica Acta</i> , 2017 , 243, 98-104	6.7	44
115	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
114	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
113	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
112	Suppressing Photoinduced Charge Recombination via the Lorentz Force in a Photocatalytic System. <i>Advanced Science</i> , 2019 , 6, 1901244	13.6	42
111	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
110	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
109	High ethanol sensitivity of palladium/TiO ₂ nanobelt surface heterostructures dominated by enlarged surface area and nano-Schottky junctions. <i>Journal of Colloid and Interface Science</i> , 2012 , 388, 144-50	9.3	37
108	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
107	Biosynthesis of iron phosphate nanopowders. <i>Powder Technology</i> , 2009 , 194, 106-108	5.2	35
106	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
105	Biomining of iron phosphate nanoparticles in yeast cells. <i>Materials Science and Engineering C</i> , 2009 , 29, 1348-1350	8.3	33
104	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
103	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
102	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
101	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
100	Tailored synthesis of Zn-N co-doped porous MoC nanosheets towards efficient hydrogen evolution. <i>Nanoscale</i> , 2019 , 11, 1700-1709	7.7	29
99	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

98	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
97	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
96	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
95	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
94	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
93	Growth of single-crystalline rutileTiO ₂ nanorod arrays on GaN light-emitting diodes with enhanced light extraction. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3916		27
92	Biosynthesis of mesoporous organic/inorganic hybrid Fe ₂ O ₃ with high photocatalytic activity. <i>Materials Science and Engineering C</i> , 2009 , 29, 1893-1896	8.3	27
91	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
90	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
89	Biomimetic synthesis of mesoporous zinc phosphate nanoparticles. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 657-660	5.7	26
88	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
87	Fast Energy Storage in Two-Dimensional MoO Enabled by Uniform Oriented Tunnels. <i>ACS Nano</i> , 2019 , 13, 9091-9099	16.7	24
86	Synthesis of mesoporous structured hydroxyapatite particles using yeast cells as the template. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 155-9	4.5	24
85	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
84	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
83	Bismuth titanate nanobelts through a low-temperature nanoscale solid-state reaction. <i>Acta Materialia</i> , 2014 , 62, 258-266	8.4	23
82	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
81	General Approach of in Situ Etching and Doping To Synthesize a Nickel-Doped M _x O _y (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

80	Laser Synthesis and Microfabrication of Micro/Nanostructured Materials Toward Energy Conversion and Storage. <i>Nano-Micro Letters</i> , 2021 , 13, 49	19.5	22
79	Puffing quaternary Fe _x Co _y Ni _{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
78	Biosynthesis and electrochemical characteristics of LiFePO ₄ /C by microwave processing. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 1819-1823	2.6	21
77	Ni and N co-doped MoC _x 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
76	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
75	Biom mineralization of large hydroxyapatite particles using ovalbumin as biosurfactant. <i>Materials Letters</i> , 2008 , 62, 3603-3605	3.3	19
74	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
73	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
72	Electrocatalytic oxidation of nucleobases by TiO ₂ nanobelts. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9232-7	3.6	18
71	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
70	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
69	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
68	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
67	Biom mineralizing synthesis of mesoporous hydroxyapatite/calcium pyrophosphate polycrystal using ovalbumin as biosurfactant. <i>Materials Chemistry and Physics</i> , 2008 , 111, 265-270	4.4	17
66	Multi-interface collaboration of graphene cross-linked NiS-Ni ₃ S ₂ -Ni ₃ S ₄ polymorph foam towards robust hydrogen evolution in alkaline electrolyte. <i>Nano Research</i> , 2021 , 14, 4857	10	17
65	Biosynthesis and characterization of mesoporous organic/inorganic hybrid iron phosphate. <i>Materials Chemistry and Physics</i> , 2009 , 116, 319-322	4.4	16
64	Synthesis of Wafer-Scale Graphene with Chemical Vapor Deposition for Electronic Device Applications. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000744	6.8	16
63	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

62	Phosphorus-Doped Iron Nitride Nanoparticles Encapsulated by Nitrogen-Doped Carbon Nanosheets on Iron Foam In Situ Derived from <i>Saccharomyces Cerevisiae</i> for Electrocatalytic Overall Water Splitting. <i>Small</i> , 2020 , 16, e2001980	11	15
61	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
60	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
59	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
58	Biomimetic Synthesis and Characterization of Hydroxyapatite Crystal with Low Phase Transformation Temperature. <i>Journal of Chemical & Engineering Data</i> , 2008 , 53, 2735-2738	2.8	14
57	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
56	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
55	Commercially Available CuO Catalyzed Hydrogenation of Nitroarenes Using Ammonia Borane as a Hydrogen Source. <i>ChemCatChem</i> , 2020 , 12, 2426-2430	5.2	13
54	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
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52	Applications of nanogenerators for biomedical engineering and healthcare systems. <i>Information Materials</i> , 2022 , 4,	23.1	13
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