Bin Liu

List of Publications by Year
in descending order

262 papers	37,707 citations	3149 92 h-index	3094 187 g-index
273 all docs	273 docs citations	273 times ranked	35339 citing authors

#	Article	IF	Citations
1	Growth of Oriented Single-Crystalline Rutile TiO₂ Nanorods on Transparent Conducting Substrates for Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2009, 131, 3985-3990.	6.6	2,243
2	Bioprobes Based on AIE Fluorogens. Accounts of Chemical Research, 2013, 46, 2441-2453.	7.6	1,607
3	Atomically dispersed Ni(i) as the active site for electrochemical CO2 reduction. Nature Energy, 2018, 3, 140-147.	19.8	1,594
4	Hydrothermal Synthesis of ZnO Nanorods in the Diameter Regime of 50 nm. Journal of the American Chemical Society, 2003, 125, 4430-4431.	6.6	1,323
5	Identification of catalytic sites for oxygen reduction and oxygen evolution in N-doped graphene materials: Development of highly efficient metal-free bifunctional electrocatalyst. Science Advances, 2016, 2, e1501122.	4.7	1,078
6	Single Cobalt Atoms Anchored on Porous N-Doped Graphene with Dual Reaction Sites for Efficient Fenton-like Catalysis. Journal of the American Chemical Society, 2018, 140, 12469-12475.	6.6	1,044
7	Mesoscale Organization of CuO Nanoribbons:â€‰ Formation of â€œDandelionsâ€• Journal of the American Chemical Society, 2004, 126, 8124-8125.	6.6	800
8	In Operando Identification of Geometrical-Site-Dependent Water Oxidation Activity of Spinel Co₃O₄. Journal of the American Chemical Society, 2016, 138, 36-39.	6.6	787
9	Recent advances in heterogeneous selective oxidation catalysis for sustainable chemistry. Chemical Society Reviews, 2014, 43, 3480.	18.7	653
10	Symmetric and Asymmetric Ostwald Ripening in the Fabrication of Homogeneous Core-Shell Semiconductors. Small, 2005, 1, 566-571.	5.2	604
11	Carbon nanotube catalysts: recent advances in synthesis, characterization and applications. Chemical Society Reviews, 2015, 44, 3295-3346.	18.7	586
12	Fabrication of ZnO â€œDandelionsâ€•via a Modified Kirkendall Process. Journal of the American Chemical Society, 2004, 126, 16744-16746.	6.6	539
13	A Fully Integrated Nanosystem of Semiconductor Nanowires for Direct Solar Water Splitting. Nano Letters, 2013, 13, 2989-2992.	4.5	506
14	Atomically dispersed antimony on carbon nitride for the artificial photosynthesis of hydrogen peroxide. Nature Catalysis, 2021, 4, 374-384.	16.1	474
15	Hierarchical Ni-Mo-S nanosheets on carbon fiber cloth: A flexible electrode for efficient hydrogen generation in neutral electrolyte. Science Advances, 2015, 1, e1500259.	4.7	427
16	A p-type Ti(<scp>iv</scp>)-based metalâ€“organic framework with visible-light photo-response. Chemical Communications, 2014, 50, 3786-3788.	2.2	424
17	Enabling Direct H2O2 Production in Acidic Media through Rational Design of Transition Metal Single Atom Catalyst. CheM, 2020, 6, 658-674.	5.8	418
18	Layer-by-Layer Self-Assembly of CdS Quantum Dots/Graphene Nanosheets Hybrid Films for Photoelectrochemical and Photocatalytic Applications. Journal of the American Chemical Society, 2014, 136, 1559-1569.	6.6	413

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19	Recent advances in methanation catalysts for the production of synthetic natural gas. RSC Advances, 2015, 5, 22759-22776.	1.7	411
20	Ni³⁺â€Induced Formation of Active NiOOH on the Spinel Niâ€“Co Oxide Surface for Efficient Oxygen Evolution Reaction. Advanced Energy Materials, 2015, 5, 1500091.	10.2	408
21	Photoelectrochemical Properties of TiO₂ Nanowire Arrays: A Study of the Dependence on Length and Atomic Layer Deposition Coating. ACS Nano, 2012, 6, 5060-5069.	7.3	378
22	Nickelâ€“Cobalt Diselenide 3D Mesoporous Nanosheet Networks Supported on Ni Foam: An Allâ€pH Highly Efficient Integrated Electrocatalyst for Hydrogen Evolution. Advanced Materials, 2017, 29, 1606521.	11.1	370
23	Use of Platinum as the Counter Electrode to Study the Activity of Nonprecious Metal Catalysts for the Hydrogen Evolution Reaction. ACS Energy Letters, 2017, 2, 1070-1075.	8.8	366
24	Single-Atom Catalysis toward Efficient CO₂ Conversion to CO and Formate Products. Accounts of Chemical Research, 2019, 52, 656-664.	7.6	348
25	Identification of Surface Reactivity Descriptor for Transition Metal Oxides in Oxygen Evolution Reaction. Journal of the American Chemical Society, 2016, 138, 9978-9985.	6.6	345
26	Layered Structure Causes Bulk NiFe Layered Double Hydroxide Unstable in Alkaline Oxygen Evolution Reaction. Advanced Materials, 2019, 31, e1903909.	11.1	345
27	Breaking Long-Range Order in Iridium Oxide by Alkali Ion for Efficient Water Oxidation. Journal of the American Chemical Society, 2019, 141, 3014-3023.	6.6	337
28	Graphdiyne: A Metal-Free Material as Hole Transfer Layer To Fabricate Quantum Dot-Sensitized Photocathodes for Hydrogen Production. Journal of the American Chemical Society, 2016, 138, 3954-3957.	6.6	335
29	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. Angewandte Chemie - International Edition, 2019, 58, 736-740.	7.2	335
30	Large-Scale Synthesis of Transition-Metal-Doped TiO₂ Nanowires with Controllable Overpotential. Journal of the American Chemical Society, 2013, 135, 9995-9998.	6.6	326
31	Elucidating the Electrocatalytic CO₂ Reduction Reaction over a Model Singleâ€Atom Nickel Catalyst. Angewandte Chemie - International Edition, 2020, 59, 798-803.	7.2	315
32	In Situ/Operando Techniques for Characterization of Single-Atom Catalysts. ACS Catalysis, 2019, 9, 2521-2531.	5.5	296
33	Layer-by-layer assembly of versatile nanoarchitectures with diverse dimensionality: a new perspective for rational construction of multilayer assemblies. Chemical Society Reviews, 2016, 45, 3088-3121.	18.7	294
34	A flexible high-performance oxygen evolution electrode with three-dimensional NiCo2O4 core-shell nanowires. Nano Energy, 2015, 11, 333-340.	8.2	291
35	Room Temperature Solution Synthesis of Monodispersed Single-Crystalline ZnO Nanorods and Derived Hierarchical Nanostructures. Langmuir, 2004, 20, 4196-4204.	1.6	283
36	Orbital coupling of hetero-diatomic nickel-iron site for bifunctional electrocatalysis of CO2 reduction and oxygen evolution. Nature Communications, 2021, 12, 4088.	5.8	259

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37	Doping high-surface-area mesoporous TiO₂microspheres with carbonate for visible light hydrogen production. Energy and Environmental Science, 2014, 7, 2592.	15.6	253
38	Identifying Active Sites of Nitrogenâ€Doped Carbon Materials for the CO₂ Reduction Reaction. Advanced Functional Materials, 2018, 28, 1800499.	7.8	244
39	A General Method to Probe Oxygen Evolution Intermediates at Operating Conditions. Joule, 2019, 3, 1498-1509.	11.7	243
40	Metalâ€Clusterâ€Decorated TiO₂ Nanotube Arrays: A Composite Heterostructure toward Versatile Photocatalytic and Photoelectrochemical Applications. Small, 2015, 11, 554-567.	5.2	237
41	The nonmetal modulation of composition and morphology of g-C3N4-based photocatalysts. Applied Catalysis B: Environmental, 2020, 269, 118828.	10.8	237
42	Identification of the Electronic and Structural Dynamics of Catalytic Centers in Single-Fe-Atom Material. CheM, 2020, 6, 3440-3454.	5.8	231
43	Iron Vacancies Induced Bifunctionality in Ultrathin Feroxyhyte Nanosheets for Overall Water Splitting. Advanced Materials, 2018, 30, e1803144.	11.1	225
44	Formation of porous SnO2 microboxes via selective leaching for highly reversible lithium storage. Energy and Environmental Science, 2014, 7, 1013.	15.6	221
45	Coordination engineering of iridium nanocluster bifunctional electrocatalyst for highly efficient and pH-universal overall water splitting. Nature Communications, 2020, 11, 4246.	5.8	221
46	Coordination Engineering of Singleâ€Atom Catalysts for the Oxygen Reduction Reaction: A Review. Advanced Energy Materials, 2021, 11, 2002473.	10.2	217
47	Nitrogen-doped cobalt phosphate@nanocarbon hybrids for efficient electrocatalytic oxygen reduction. Energy and Environmental Science, 2016, 9, 2563-2570.	15.6	216
48	Microenvironment modulation of single-atom catalysts and their roles in electrochemical energy conversion. Science Advances, 2020, 6, .	4.7	214
49	Oneâ€Dimensional Hybrid Nanostructures for Heterogeneous Photocatalysis and Photoelectrocatalysis. Small, 2015, 11, 2115-2131.	5.2	213
50	Transferable and Flexible Nanorod-Assembled TiO₂ Cloths for Dye-Sensitized Solar Cells, Photodetectors, and Photocatalysts. ACS Nano, 2011, 5, 8412-8419.	7.3	209
51	Supported Nobleâ€Metal Single Atoms for Heterogeneous Catalysis. Advanced Materials, 2019, 31, e1902031.	11.1	207
52	Amorphous versus Crystalline in Water Oxidation Catalysis: A Case Study of NiFe Alloy. Nano Letters, 2020, 20, 4278-4285.	4.5	201
53	Amorphous/Crystalline Heterostructured Cobaltâ€Vanadiumâ€Iron (Oxy)hydroxides for Highly Efficient Oxygen Evolution Reaction. Advanced Energy Materials, 2020, 10, 2002215.	10.2	198
54	Optimization of High-Yield Biological Synthesis of Single-Crystalline Gold Nanoplates. Journal of Physical Chemistry B, 2005, 109, 15256-15263.	1.2	197

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55	An Earthâ€Abundant Catalystâ€Based Seawater Photoelectrolysis System with 17.9% Solarâ€toâ€Hydrogen Efficiency. Advanced Materials, 2018, 30, e1707261.	11.1	189
56	Carbon Nanotubes Supported Mesoporous Mesocrystals of Anatase TiO2. Chemistry of Materials, 2008, 20, 2711-2718.	3.2	188
57	Selective photoelectrochemical oxidation of glycerol to high value-added dihydroxyacetone. Nature Communications, 2019, 10, 1779.	5.8	185
58	Adaptive Bifunctional Electrocatalyst of Amorphous CoFe Oxide @ 2D Black Phosphorus for Overall Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 21106-21113.	7.2	182
59	Atomically Dispersed Feâ€“Heteroatom (N, S) Bridge Sites Anchored on Carbon Nanosheets for Promoting Oxygen Reduction Reaction. ACS Energy Letters, 2021, 6, 379-386.	8.8	167
60	Progress of Nonpreciousâ€Metalâ€Based Electrocatalysts for Oxygen Evolution in Acidic Media. Advanced Materials, 2021, 33, e2003786.	11.1	166
61	TiO₂â€“B/Anatase Coreâ€“Shell Heterojunction Nanowires for Photocatalysis. ACS Applied Materials & Interfaces, 2011, 3, 4444-4450.	4.0	162
62	Stable Quantum Dot Photoelectrolysis Cell for Unassisted Visible Light Solar Water Splitting. ACS Nano, 2014, 8, 10403-10413.	7.3	162
63	Nanowire Photoelectrochemistry. Chemical Reviews, 2019, 119, 9221-9259.	23.0	158
64	Revealing Energetics of Surface Oxygen Redox from Kinetic Fingerprint in Oxygen Electrocatalysis. Journal of the American Chemical Society, 2019, 141, 13803-13811.	6.6	151
65	In-situ phase transition of WO3 boosting electron and hydrogen transfer for enhancing hydrogen evolution on Pt. Nano Energy, 2020, 71, 104653.	8.2	149
66	Unraveling Oxygen Evolution Reaction on Carbon-Based Electrocatalysts: Effect of Oxygen Doping on Adsorption of Oxygenated Intermediates. ACS Energy Letters, 2017, 2, 294-300.	8.8	145
67	A new surfactant-introduction strategy for separating the pure single-phase of metalâ€“organic frameworks. Chemical Communications, 2015, 51, 9479-9482.	2.2	142
68	Bridging the Gap: Electron Relay and Plasmonic Sensitization of Metal Nanocrystals for Metal Clusters. Journal of the American Chemical Society, 2015, 137, 10735-10744.	6.6	141
69	Oriented single crystalline titanium dioxide nanowires. Nanotechnology, 2008, 19, 505604.	1.3	138
70	In Situ Spectroscopic Identification of Î¼-OO Bridging on Spinel Co₃O₄ Water Oxidation Electrocatalyst. Journal of Physical Chemistry Letters, 2016, 7, 4847-4853.	2.1	136
71	Polarization Engineering of Covalent Triazine Frameworks for Highly Efficient Photosynthesis of Hydrogen Peroxide from Molecular Oxygen and Water. Advanced Materials, 2022, 34, e2110266.	11.1	136
72	Tuning chemical bonding of MnO2 through transition-metal doping for enhanced CO oxidation. Journal of Catalysis, 2016, 341, 82-90.	3.1	132

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73	In Situ/Operando Characterization Techniques to Probe the Electrochemical Reactions for Energy Conversion. Small Methods, 2018, 2, 1700395.	4.6	131
74	Recent advances in single atom catalysts for the electrochemical carbon dioxide reduction reaction. Chemical Science, 2021, 12, 6800-6819.	3.7	130
75	Progress of Electrochemical Hydrogen Peroxide Synthesis over Single Atom Catalysts. , 2020, 2, 1008-1024.		129
76	One-pot synthesis of ordered mesoporous Niâ€“Vâ€“Al catalysts for CO methanation. Journal of Catalysis, 2015, 326, 127-138.	3.1	127
77	ZIF-8 derived carbon (C-ZIF) as a bifunctional electron acceptor and HER cocatalyst for g-C₃N₄: construction of a metal-free, all carbon-based photocatalytic system for efficient hydrogen evolution. Journal of Materials Chemistry A, 2016, 4, 3822-3827.	5.2	127
78	Semiconductor Rings Fabricated by Self-Assembly of Nanocrystals. Journal of the American Chemical Society, 2005, 127, 18262-18268.	6.6	121
79	Electrochemical Reduction of CO₂ to CO over Transition Metal/Nâ€Doped Carbon Catalysts: The Active Sites and Reaction Mechanism. Advanced Science, 2021, 8, e2102886.	5.6	121
80	Hierarchical Î±â€MnO₂ Nanowires@Ni_{1â€x}Mn_xO_y Nanoflakes Coreâ€“Shell Nanostructures for Supercapacitors. Small, 2014, 10, 3181-3186.	5.2	118
81	Direct and selective hydrogenation of CO₂ to ethylene and propene by bifunctional catalysts. Catalysis Science and Technology, 2017, 7, 5602-5607.	2.1	118
82	Atomically Dispersed Nickel(I) on an Alloyâ€Encapsulated Nitrogenâ€Doped Carbon Nanotube Array for Highâ€Performance Electrochemical CO₂ Reduction Reaction. Angewandte Chemie - International Edition, 2020, 59, 12055-12061.	7.2	117
83	Photoelectrochemical CO₂ reduction to adjustable syngas on grain-boundary-mediated a-Si/TiO₂/Au photocathodes with low onset potentials. Energy and Environmental Science, 2019, 12, 923-928.	15.6	114
84	Tuning reactivity of Fischerâ€“Tropsch synthesis by regulating TiOx overlayer over Ru/TiO2 nanocatalysts. Nature Communications, 2020, 11, 3185.	5.8	114
85	Salt-Assisted Deposition of SnO2 on Î±-MoO3 Nanorods and Fabrication of Polycrystalline SnO2 Nanotubes. Journal of Physical Chemistry B, 2004, 108, 5867-5874.	1.2	111
86	Iridium Oxideâ€Assisted Plasmonâ€Induced Hot Carriers: Improvement on Kinetics and Thermodynamics of Hot Carriers. Advanced Energy Materials, 2016, 6, 1501339.	10.2	111
87	Atomically-precise dopant-controlled single cluster catalysis for electrochemical nitrogen reduction. Nature Communications, 2020, 11, 4389.	5.8	110
88	Threading Chalcogenide Layers with Polymer Chains. Angewandte Chemie - International Edition, 2015, 54, 546-550.	7.2	102
89	Spatially branched hierarchical ZnO nanorod-TiO₂nanotube array heterostructures for versatile photocatalytic and photoelectrocatalytic applications: towards intimate integration of 1Dâ€“1D hybrid nanostructures. Nanoscale, 2014, 6, 14950-14961.	2.8	101
90	Metalâ€“Organic Frameworks as Promising Photosensitizers for Photoelectrochemical Water Splitting. Advanced Science, 2016, 3, 1500243.	5.6	100

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91	Unraveling the Mechanism on Ultrahigh Efficiency Photocatalytic H₂O₂ Generation for Dualâ€Heteroatom Incorporated Polymeric Carbon Nitride. Advanced Functional Materials, 2022, 32, .	7.8	100
92	Achieving stable and efficient water oxidation by incorporating NiFe layered double hydroxide nanoparticles into aligned carbon nanotubes. Nanoscale Horizons, 2016, 1, 156-160.	4.1	99
93	Hollow ZnO Microspheres with Complex Nanobuilding Units. Chemistry of Materials, 2007, 19, 5824-5826.	3.2	98
94	Size Effects of Platinum Nanoparticles in the Photocatalytic Hydrogen Production Over 3D Mesoporous Networks of CdS and Pt Nanojunctions. Advanced Functional Materials, 2016, 26, 8062-8071.	7.8	98
95	Electron transport and recombination in dye-sensitized solar cells made from single-crystal rutile TiO2 nanowires. Physical Chemistry Chemical Physics, 2009, 11, 9648.	1.3	92
96	Electrochemical fabrication of ZnOâ€“CdSe coreâ€“shell nanorod arrays for efficient photoelectrochemical water splitting. Nanoscale, 2013, 5, 11118.	2.8	92
97	Metallic Nanocatalysis: An Accelerating Seamless Integration with Nanotechnology. Small, 2015, 11, 268-289.	5.2	92
98	Plasmonâ€Dictated Photoâ€Electrochemical Water Splitting for Solarâ€toâ€Chemical Energy Conversion: Current Status and Future Perspectives. Advanced Materials Interfaces, 2018, 5, 1701098.	1.9	92
99	Van der Waals heterojunction for selective visible-light-driven photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2021, 284, 119733.	10.8	92
100	Rational design of carbon-based metal-free catalysts for electrochemical carbon dioxide reduction: A review. Journal of Energy Chemistry, 2019, 36, 95-105.	7.1	91
101	A solution-processed, mercaptoacetic acid-engineered CdSe quantum dot photocathode for efficient hydrogen production under visible light irradiation. Energy and Environmental Science, 2015, 8, 1443-1449.	15.6	90
102	Bifunctional N-CoSe₂/3D-MXene as Highly Efficient and Durable Cathode for Rechargeable Znâ€“Air Battery. , 2019, 1, 432-439.		90
103	Strong Metalâ€“Support Interaction Boosts Activity, Selectivity, and Stability in Electrosynthesis of H₂O₂. Journal of the American Chemical Society, 2022, 144, 2255-2263.	6.6	90
104	Self-assembly of hierarchically ordered CdS quantum dotsâ€“TiO2 nanotube array heterostructures as efficient visible light photocatalysts for photoredox applications. Journal of Materials Chemistry A, 2013, 1, 12229.	5.2	89
105	Advances in Thermodynamic-Kinetic Model for Analyzing the Oxygen Evolution Reaction. ACS Catalysis, 2020, 10, 8597-8610.	5.5	89
106	In situ etching-induced self-assembly of metal cluster decorated one-dimensional semiconductors for solar-powered water splitting: unraveling cooperative synergy by photoelectrochemical investigations. Nanoscale, 2017, 9, 17118-17132.	2.8	88
107	Hierarchical carbon@Ni₃S₂@MoS₂ double coreâ€“shell nanorods for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 1319-1325.	5.2	87
108	Sulfur-Mediated Self-Templating Synthesis of Tapered C-PAN/g-C₃N₄ Composite Nanotubes toward Efficient Photocatalytic H₂ Evolution. ACS Energy Letters, 2016, 1, 969-975.	8.8	86

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109	Electrochemical construction of hierarchically ordered CdSe-sensitized TiO₂nanotube arrays: towards versatile photoelectrochemical water splitting and photoredox applications. Nanoscale, 2014, 6, 6727-6737.	2.8	85
110	Fabrication of 3D mesoporous networks of assembled CoO nanoparticles for efficient photocatalytic reduction of aqueous Cr(VI). Applied Catalysis B: Environmental, 2018, 221, 635-644.	10.8	85
111	Oneâ€Step Hydrothermal Tailoring of NiCo₂S₄ Nanostructures on Conducting Oxide Substrates as an Efficient Counter Electrode in Dyeâ€Sensitized Solar Cells. Advanced Materials Interfaces, 2015, 2, 1500384.	1.9	83
112	Unique role of MÃ¶ssbauer spectroscopy in assessing structural features of heterogeneous catalysts. Applied Catalysis B: Environmental, 2018, 224, 518-532.	10.8	83
113	Ordered clustering of single atomic Te vacancies in atomically thin PtTe2 promotes hydrogen evolution catalysis. Nature Communications, 2021, 12, 2351.	5.8	83
114	Enhancement of photocatalytic properties of TiO2 nanoparticles doped with CeO2 and supported on SiO2 for phenol degradation. Applied Surface Science, 2015, 331, 17-26.	3.1	82
115	Carbonâ€based cathode materials for rechargeable zincâ€air batteries: From current collectors to bifunctional integrated air electrodes. , 2020, 2, 370-386.		82
116	Anchoring Mn₃O₄ Nanoparticles on Oxygen Functionalized Carbon Nanotubes as Bifunctional Catalyst for Rechargeable Zinc-Air Battery. ACS Applied Energy Materials, 2018, 1, 963-969.	2.5	80
117	<i>In situ</i> growth of single-layered Î±-Ni(OH)₂ nanosheets on a carbon cloth for highly efficient electrocatalytic oxidation of urea. Journal of Materials Chemistry A, 2018, 6, 13867-13873.	5.2	80
118	Highly efficient and durable MoNiNC catalyst for hydrogen evolution reaction. Nano Energy, 2017, 37, 1-6.	8.2	79
119	Cesium Carbonate Functionalized Graphene Quantum Dots as Stable Electron-Selective Layer for Improvement of Inverted Polymer Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 1092-1099.	4.0	77
120	Electrostatic self-assembly of a AgI/Bi₂Ga₄O₉ pâ€“n junction photocatalyst for boosting superoxide radical generation. Journal of Materials Chemistry A, 2020, 8, 4083-4090.	5.2	73
121	Rational design of donor-acceptor conjugated polymers with high performance on peroxydisulfate activation for pollutants degradation. Applied Catalysis B: Environmental, 2022, 316, 121611.	10.8	73
122	High-Performance Niâ€“Fe Redox Catalysts for Selective CH₄ to Syngas Conversion via Chemical Looping. ACS Catalysis, 2018, 8, 1748-1756.	5.5	72
123	Direct growth of enclosed ZnO nanotubes. Nano Research, 2009, 2, 201-209.	5.8	71
124	Tuning the Electronic Spin State of Catalysts by Strain Control for Highly Efficient Water Electrolysis. Small Methods, 2018, 2, 1800001.	4.6	70
125	Self-assembly of aligned rutile@anatase TiO₂nanorod@CdS quantum dots ternary coreâ€“shell heterostructure: cascade electron transfer by interfacial design. Materials Horizons, 2014, 1, 259-263.	6.4	69
126	All Inorganic Semiconductor Nanowire Mesh for Direct Solar Water Splitting. ACS Nano, 2014, 8, 11739-11744.	7.3	67

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127	Revisiting one-dimensional TiO2 based hybrid heterostructures for heterogeneous photocatalysis: a critical review. Materials Chemistry Frontiers, 2017, 1, 231-250.	3.2	67
128	Anatase TiO2 films with reactive {001} facets on transparent conductive substrate. Chemical Communications, 2011, 47, 9507.	2.2	66
129	Multilayer TiO2 nanorod cloth/nanorod array electrode for dye-sensitized solar cells and self-powered UV detectors. Nanoscale, 2012, 4, 3350.	2.8	66
130	Controllable synthesis of Î±-MoC1-x and Î²-Mo2C nanowires for highly selective CO2 reduction to CO. Catalysis Communications, 2016, 84, 147-150.	1.6	66
131	Dynamic Restructuring of Cuâ€Doped SnS₂ Nanoflowers for Highly Selective Electrochemical CO₂ Reduction to Formate. Angewandte Chemie - International Edition, 2021, 60, 26233-26237.	7.2	66
132	Graphene quantum dots-incorporated cathode buffer for improvement of inverted polymer solar cells. Solar Energy Materials and Solar Cells, 2013, 117, 214-218.	3.0	64
133	Self-assembly of a Ag nanoparticle-modified and graphene-wrapped TiO₂nanobelt ternary heterostructure: surface charge tuning toward efficient photocatalysis. Nanoscale, 2014, 6, 11293-11302.	2.8	64
134	Recent Advances in Carbonâ€Supported Nobleâ€Metal Electrocatalysts for Hydrogen Evolution Reaction: Syntheses, Structures, and Properties. Advanced Energy Materials, 2022, 12, .	10.2	64
135	Highly Concentrated, Ultrathin Nickel Hydroxide Nanosheet Ink for Wearable Energy Storage Devices. Advanced Materials, 2017, 29, 1703455.	11.1	62
136	High performance Ni catalysts prepared by freeze drying for efficient dry reforming of methane. Applied Catalysis B: Environmental, 2020, 275, 119109.	10.8	60
137	Halide perovskite composites for photocatalysis: A mini review. EcoMat, 2021, 3, e12079.	6.8	60
138	Light-Induced In Situ Transformation of Metal Clusters to Metal Nanocrystals for Photocatalysis. ACS Applied Materials & Interfaces, 2015, 7, 28105-28109.	4.0	59
139	Layer-by-layer assembly of nitrogen-doped graphene quantum dots monolayer decorated one-dimensional semiconductor nanoarchitectures for solar-driven water splitting. Journal of Materials Chemistry A, 2016, 4, 16383-16393.	5.2	59
140	Catalyst: Single-Atom Catalysis: Directing the Way toward the Nature of Catalysis. CheM, 2019, 5, 2733-2735.	5.8	57
141	Hybridization of Bimetallic Molybdenumâ€Tungsten Carbide with Nitrogenâ€Doped Carbon: A Rational Design of Super Active Porous Composite Nanowires with Tailored Electronic Structure for Boosting Hydrogen Evolution Catalysis. Advanced Functional Materials, 2020, 30, 2003198.	7.8	57
142	Microwave hydrothermally synthesized WO3/UiO-66 nanocomposites toward enhanced photocatalytic degradation of rhodamine B. Advanced Composites and Hybrid Materials, 2021, 4, 1330-1342.	9.9	57
143	Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. ACS Nano, 2020, 14, 17640-17651.	7.3	56
144	Design of hierarchical, threeâ€dimensional freeâ€standing singleâ€atom electrode for H₂O₂ production in acidic media. , 2020, 2, 276-282.		56

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145	Ordered Alignment of CdS Nanocrystals on MWCNTs without Surface Modification. Journal of Physical Chemistry B, 2005, 109, 23783-23786.	1.2	55
146	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. Angewandte Chemie, 2019, 131, 746-750.	1.6	55
147	Thermodynamically Driven One-Dimensional Evolution of Anatase TiO₂ Nanorods: One-Step Hydrothermal Synthesis for Emerging Intrinsic Superiority of Dimensionality. Journal of the American Chemical Society, 2014, 136, 15310-15318.	6.6	53
148	Ultrasmall Transition Metal Carbide Nanoparticles Encapsulated in N, Sâ€Doped Graphene for Allâ€pH Hydrogen Evolution. Small Methods, 2018, 2, 1700353.	4.6	53
149	Metal organic frameworks for adsorption-based separation of fluorocompounds: a review. Materials Advances, 2020, 1, 310-320.	2.6	53
150	Cadmium Sulfide Quantum Dots Supported on Gallium and Indium Oxide for Visibleâ€Lightâ€Driven Hydrogen Evolution from Water. ChemSusChem, 2014, 7, 2537-2544.	3.6	52
151	Surface Rutilization of Anatase TiO₂ Nanorods for Creation of Synergistically Bridging and Fencing Electron Highways. Advanced Functional Materials, 2016, 26, 456-465.	7.8	52
152	Breaking the symmetry: Gradient in NiFe layered double hydroxide nanoarrays for efficient oxygen evolution. Nano Energy, 2019, 60, 661-666.	8.2	52
153	Assembly and photochemical properties of mesoporous networks of spinel ferrite nanoparticles for environmental photocatalytic remediation. Applied Catalysis B: Environmental, 2018, 227, 330-339.	10.8	51
154	Single-Ni-atom catalyzes aqueous phase electrochemical reductive dechlorination reaction. Applied Catalysis B: Environmental, 2020, 277, 119057.	10.8	51
155	Unveiling the In Situ Generation of a Monovalent Fe(I) Site in the Single-Fe-Atom Catalyst for Electrochemical CO₂ Reduction. ACS Catalysis, 2021, 11, 7292-7301.	5.5	51
156	Holey nickel hydroxide nanosheets for wearable solid-state fiber-supercapacitors. Nanoscale, 2018, 10, 5442-5448.	2.8	50
157	Electron-withdrawing functional ligand promotes CO2 reduction catalysis in single atom catalyst. Science China Chemistry, 2020, 63, 1727-1733.	4.2	49
158	Shape-Controlled Synthesis of Metalâ€“Organic Frameworks with Adjustable Fenton-Like Catalytic Activity. ACS Applied Materials & Interfaces, 2018, 10, 38051-38056.	4.0	48
159	High-Performance Plastic Dye-sensitized Solar Cells Based on Low-Cost Commercial P25 TiO₂ and Organic Dye. ACS Applied Materials & Interfaces, 2012, 4, 1709-1715.	4.0	47
160	Enhanced visible-light photocatalytic hydrogen production activity of three-dimensional mesoporous p-CuS/n-CdS nanocrystal assemblies. Inorganic Chemistry Frontiers, 2017, 4, 433-441.	3.0	47
161	One-dimensional copper hydroxide nitrate nanorods and nanobelts for radiochemical applications. Nanoscale, 2012, 4, 7194.	2.8	45
162	Amorphous Multimetal Alloy Oxygen Evolving Catalysts. , 2020, 2, 624-632.		45

#	Article	IF	Citations
163	Understanding the Effect of *CO Coverage on Câ€“C Coupling toward CO₂ Electroreduction. Nano Letters, 2022, 22, 3801-3808.	4.5	44
164	Dye-sensitized polyoxometalate for visible-light-driven photoelectrochemical cells. Dalton Transactions, 2015, 44, 14354-14358.	1.6	43
165	Synthesis of single-crystalline anatase nanorods and nanoflakes on transparent conducting substrates. Chemical Communications, 2012, 48, 8565.	2.2	42
166	Synergistic increase of oxygen reduction favourable Feâ€“N coordination structures in a ternary hybrid of carbon nanospheres/carbon nanotubes/graphene sheets. Physical Chemistry Chemical Physics, 2013, 15, 18482.	1.3	42
167	Tunneling Interlayer for Efficient Transport of Charges in Metal Oxide Electrodes. Journal of the American Chemical Society, 2016, 138, 3183-3189.	6.6	42
168	A general method to construct single-atom catalysts supported on N-doped graphene for energy applications. Journal of Materials Chemistry A, 2020, 8, 6190-6195.	5.2	41
169	In-Situ doping-induced crystal form transition of amorphous Pdâ€“P catalyst for robust electrocatalytic hydrodechlorination. Applied Catalysis B: Environmental, 2021, 284, 119713.	10.8	41
170	[enH][Cu₂AgSnS₄]: a quaternary layered sulfide based on Cuâ€“Agâ€“Snâ€“S composition. CrystEngComm, 2014, 16, 5989-5992.	1.3	40
171	N, P dual-doped hollow carbon spheres supported MoS2 hybrid electrocatalyst for enhanced hydrogen evolution reaction. Catalysis Today, 2019, 330, 259-267.	2.2	39
172	One-dimensional metal oxide nanostructures for heterogeneous catalysis. Nanoscale, 2013, 5, 7175.	2.8	38
173	Boosting oxygen reaction activity by coupling sulfides for high-performance rechargeable metalâ€“air battery. Journal of Materials Chemistry A, 2018, 6, 21162-21166.	5.2	38
174	Aqueous-phase hydrodechlorination of 4-chlorophenol on palladium nanocrystals: Identifying the catalytic sites and unraveling the reaction mechanism. Journal of Catalysis, 2018, 368, 336-344.	3.1	38
175	Preparation and photoelectrochemical behavior of 1,4,6,8,11,13-hexazapentacene (HAP). Chemical Communications, 2014, 50, 7656-7658.	2.2	37
176	Homologous Co₃O₄â€–CoP nanowires grown on carbon cloth as a high-performance electrode pair for triclosan degradation and hydrogen evolution. Materials Chemistry Frontiers, 2018, 2, 323-330.	3.2	37
177	Doping-induced structural evolution from rutile to anatase: formation of Nb-doped anatase TiO₂nanosheets with high photocatalytic activity. Journal of Materials Chemistry A, 2016, 4, 6926-6932.	5.2	36
178	Rational Design of an Iridiumâ€“Tungsten Composite with an Iridium-Rich Surface for Acidic Water Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 25991-26001.	4.0	36
179	Mesoporous implantable Pt/SrTiO3:C,N nanocuboids delivering enhanced photocatalytic H2-production activity via plasmon-induced interfacial electron transfer. Applied Catalysis B: Environmental, 2018, 236, 338-347.	10.8	35
180	Self-assembly of three-dimensional CdS nanosphere/graphene networks for efficient photocatalytic hydrogen evolution. Journal of Energy Chemistry, 2019, 31, 34-38.	7.1	35

#	Article	IF	Citations
181	Oriented single-crystalline TiO₂ nanowires on titanium foil for lithium ion batteries. Journal of Materials Research, 2010, 25, 1588-1594.	1.2	34
182	An ambipolar azaacene as a stable photocathode for metal-free light-driven water reduction. Materials Chemistry Frontiers, 2017, 1, 495-498.	3.2	33
183	Phase interactions in Ni-Cu-Al2O3 mixed oxide oxygen carriers for chemical looping applications. Applied Energy, 2019, 236, 635-647.	5.1	33
184	Elucidating the Electrocatalytic CO₂ Reduction Reaction over a Model Singleâ€Atom Nickel Catalyst. Angewandte Chemie, 2020, 132, 808-813.	1.6	33
185	Anatase TiO2microspheres with reactive {001} facets for improved photocatalytic activity. RSC Advances, 2013, 3, 1222-1226.	1.7	32
186	Organic-inorganic hybrid perovskite â€“ TiO2 nanorod arrays for efficient and stable photoelectrochemical hydrogen evolution from HI splitting. Materials Today Chemistry, 2019, 12, 1-6.	1.7	32
187	Real-time photoelectrochemical quantification of hydrogen peroxide produced by living cells. Chemical Engineering Journal, 2021, 407, 127203.	6.6	32
188	Amorphous alloys for electrocatalysis: The significant role of the amorphous alloy structure. Nano Research, 2023, 16, 4277-4288.	5.8	32
189	Expedient synthesis of <i>E</i> -hydrazone esters and 1 <i>H</i> -indazole scaffolds through heterogeneous single-atom platinum catalysis. Science Advances, 2019, 5, eaay1537.	4.7	31
190	Polyvinyl Chlorideâ€Derived Carbon Spheres for CO₂ Adsorption. ChemSusChem, 2020, 13, 6426-6432.	3.6	31
191	Tin dioxide dodecahedral nanocrystals anchored on graphene sheets with enhanced electrochemical performance for lithium-ion batteries. Electrochimica Acta, 2015, 159, 46-51.	2.6	28
192	Assembly of a CdS quantum dotâ€“TiO₂ nanobelt heterostructure for photocatalytic application: towards an efficient visible light photocatalyst via facile surface charge tuning. New Journal of Chemistry, 2015, 39, 279-286.	1.4	28
193	Full Characterization and Photoelectrochemical Behavior of Pyreneâ€fused Octaazadecacene and Tetraazaoctacene. Chemistry - an Asian Journal, 2016, 11, 482-485.	1.7	28
194	Unraveling the Intrinsic Structures that Influence the Transport of Charges in TiO₂ Electrodes. Advanced Energy Materials, 2017, 7, 1700886.	10.2	28
195	High Spin State Promotes Water Oxidation Catalysis at Neutral pH in Spinel Cobalt Oxide. Industrial & Engineering Chemistry Research, 2018, 57, 1441-1445.	1.8	28
196	Surface Rutilization of Anatase TiO2 for Efficient Electron Extraction and Stable Pmax Output of Perovskite Solar Cells. CheM, 2018, 4, 911-923.	5.8	28
197	Remarkable enhancement in photocurrent of In0.20Ga0.80N photoanode by using an electrochemical surface treatment. Applied Physics Letters, 2011, 99, .	1.5	27
198	Atomically Dispersed Nickel(I) on an Alloyâ€Encapsulated Nitrogenâ€Doped Carbon Nanotube Array for Highâ€Performance Electrochemical CO₂ Reduction Reaction. Angewandte Chemie, 2020, 132, 12153-12159.	1.6	27

#	Article	IF	Citations
199	Boosting Hydrogen Evolution Reaction via Electronic Coupling of Cerium Phosphate with Molybdenum Phosphide Nanobelts. Small, 2021, 17, e2102413.	5.2	27
200	Boosting oxygen evolution reaction on graphene through engineering electronic structure. Carbon, 2020, 170, 414-420.	5.4	26
201	Adaptive Bifunctional Electrocatalyst of Amorphous CoFe Oxide @ 2D Black Phosphorus for Overall Water Splitting. Angewandte Chemie, 2020, 132, 21292-21299.	1.6	26
202	A one-pot solvothermal synthesis of hierarchical microspheres with radially assembled single-crystalline TiO₂-nanorods for high performance dye-sensitized solar cells. Journal of Materials Chemistry C, 2014, 2, 1381-1385.	2.7	25
203	High-surface-area mesoporous TiO₂microspheres via one-step nanoparticle self-assembly for enhanced lithium-ion storage. Nanoscale, 2014, 6, 14926-14931.	2.8	25
204	The Absence and Importance of Operando Techniques for Metalâ€Free Catalysts. Advanced Materials, 2019, 31, e1805609.	11.1	25
205	Boosting ORR performance by single atomic divacancy Znâ€“N3Câ€“C8 sites on ultrathin N-doped carbon nanosheets. Chem Catalysis, 2022, 2, 836-852.	2.9	25
206	Fabrication and Photocatalytic Properties of TiO₂/Reduced Graphene Oxide/Ag Nanocomposites with UV/Vis Response. European Journal of Inorganic Chemistry, 2015, 2015, 2222-2228.	1.0	24
207	Effects of structure and size of Ni nanocatalysts on hydrogen selectivity via water-gas-shift reactionâ€"A first-principles-based kinetic study. Catalysis Today, 2017, 280, 210-219.	2.2	24
208	Nitrogen and sulfur Co-doped graphene inlaid with cobalt clusters for efficient oxygen reduction reaction. Materials Today Energy, 2018, 10, 184-190.	2.5	24
209	Preparation of Ni(OH)2/TiO2 porous film with novel structure and electrochromic property. Solar Energy Materials and Solar Cells, 2019, 191, 108-116.	3.0	24
210	In situ/operando MÃ¶ssbauer spectroscopy for probing heterogeneous catalysis. Chem Catalysis, 2021, 1, 1215-1233.	2.9	24
211	<i>In Situ</i> Precise Tuning of Bimetallic Electronic Effect for Boosting Oxygen Reduction Catalysis. Nano Letters, 2021, 21, 7753-7760.	4.5	24
212	N-Heteroheptacenequinone and N-heterononacenequinone: synthesis, physical properties, crystal structures and photoelectrochemical behaviors. Journal of Materials Chemistry C, 2015, 3, 9877-9884.	2.7	23
213	Modulation of Crystal Surface and Lattice by Doping: Achieving Ultrafast Metal-Ion Insertion in Anatase TiO₂. ACS Applied Materials & Interfaces, 2016, 8, 29186-29193.	4.0	23
214	Linker-assisted assembly of 1D TiO2 nanobelts/3D CdS nanospheres hybrid heterostructure as efficient visible light photocatalyst. Applied Catalysis A: General, 2016, 521, 50-56.	2.2	23
215	Atomically-dispersed NiN₄â€“Cl active sites with axial Niâ€“Cl coordination for accelerating electrocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2022, 10, 6007-6015.	5.2	22
216	Parallel Near-Field Photolithography with Metal-Coated Elastomeric Masks. Langmuir, 2015, 31, 1210-1217.	1.6	21

#	Article	IF	Citations
217	Fabricating efficient CdSeâ€“CdS photocatalyst systems by spatially resetting water splitting sites. Journal of Materials Chemistry A, 2017, 5, 20131-20135.	5.2	21
218	{[M(NH3)6][Ag4M4Sn3Se13]}âˆž (M=Zn, Mn): Three-dimensional chalcogenide frameworks constructed from quaternary metal selenide clusters with two different transition metals. Journal of Solid State Chemistry, 2014, 218, 146-150.	1.4	20
219	Sustainable hydrogen and chemical production via photo-electrochemical reforming of biomass-derived alcohols. Nano Research, 2016, 9, 3388-3393.	5.8	20
220	Adsorption Separation of Râ€22, Râ€32â€‰and Râ€125 Fluorocarbons using 4A Molecular Sieve Zeolite. ChemistrySelect, 2016, 1, 3718-3722.	0.7	20
221	Atomically dispersed Pd electrocatalyst for efficient aqueous phase dechlorination reaction. Electrochimica Acta, 2021, 391, 138886.	2.6	20
222	Adsorption separation of R134a, R125, and R143a fluorocarbon mixtures using 13X and surface modified 5A zeolites. AIChE Journal, 2018, 64, 640-648.	1.8	19
223	Highly fluorescent polycaprolactones decorated with di(thiopheneâ€2â€yl)â€diketopyrrolopyrrole: A covalent strategy of tuning fluorescence properties in solid states. Journal of Polymer Science Part A, 2015, 53, 1032-1042.	2.5	18
224	Making fully printed perovskite solar cells stable outdoor with inorganic superhydrophobic coating. Journal of Energy Chemistry, 2020, 50, 332-338.	7.1	18
225	How does mass transfer influence electrochemical carbon dioxide reduction reaction? A case study of Ni molecular catalyst supported on carbon. Chemical Communications, 2021, 57, 1384-1387.	2.2	18
226	Efficient and Selective CO₂ Reduction to Formate on Pdâ€Doped Pb₃(CO₃)₂(OH)₂: Dynamic Catalyst Reconstruction and Accelerated CO₂ Protonation. Small, 2022, 18, e2107885.	5.2	18
227	Plasmon-enhanced photoelectrochemical water splitting by InGaN/GaN nano-photoanodes. Semiconductor Science and Technology, 2020, 35, 025017.	1.0	17
228	Fluorocarbon Separation in a Thermally Robust Zirconium Carboxylate Metalâ€“Organic Framework. Chemistry - an Asian Journal, 2018, 13, 977-981.	1.7	16
229	Biomolecule-assisted synthesis of carbon nitride and sulfur-doped carbon nitride heterojunction nanosheets: An efficient heterojunction photocatalyst for photoelectrochemical applications. Beilstein Journal of Nanotechnology, 2014, 5, 770-777.	1.5	15
230	Cadmium selenide-sensitized upright-standing mesoporous zinc oxide nanosheets for efficient photoelectrochemical H2 production. Journal of Energy Chemistry, 2016, 25, 371-374.	7.1	14
231	Hydrogenated TiO2 nanosheet based flowerlike architectures: Enhanced sensing performances and sensing mechanism. Journal of Alloys and Compounds, 2018, 749, 543-555.	2.8	14
232	Nanostructuring Confinement for Controllable Interfacial Charge Transfer. Small, 2019, 15, e1804391.	5.2	13
233	A general method for the synthesis of various rattle-type microspheres and their diverse applications. RSC Advances, 2013, 3, 18506.	1.7	12
234	Substrate-bound growth of Auâ€“Pd diblock nanowire and hybrid nanorodâ€“plate. Nanoscale, 2015, 7, 8115-8121.	2.8	12

#	Article	IF	Citations
235	Molecular modulation of fluorene-dibenzothiophene-<i>S</i>,<i>S</i>-dioxide-based conjugated polymers for enhanced photoelectrochemical water oxidation under visible light. Materials Chemistry Frontiers, 2018, 2, 2021-2025.	3.2	12
236	Hierarchical trace copper incorporation activated cobalt layered double hydroxide as a highly selective methanol conversion electrocatalyst to realize energy-matched photovoltaic-electrocatalytic formate and hydrogen co-production. Journal of Materials Chemistry A, 2022, 10, 19649-19661.	5.2	12
237	Identifying Activity Trends for the Electrochemical Production of H₂O₂ on Mâ€"Nâ€"C Single-Atom Catalysts Using Theoretical Kinetic Computations. Journal of Physical Chemistry C, 2022, 126, 10388-10398.	1.5	12
238	Kinetic Insights of Proton Exchange Membrane Water Electrolyzer Obtained by <i>Operando</i> Characterization Methods. Journal of Physical Chemistry Letters, 2022, 13, 6520-6531.	2.1	12
239	Niobium Doping Enhances Charge Transport in TiO₂ Nanorods. ChemNanoMat, 2016, 2, 660-664.	1.5	10
240	Ni₂P Interlayer and Mn Doping Synergistically Expedite the Hydrogen Evolution Reaction Kinetics of Co₂P. Chemistry - A European Journal, 2021, 27, 3536-3541.	1.7	10
241	Layered mesoporous nanostructures for enhanced light harvesting in dye-sensitized solar cells. Journal of Renewable and Sustainable Energy, 2011, 3, 043106.	0.8	8
242	Interim Anatase Coating Layer Stabilizes Rutile@Cr_{<i>x</i>}O_{<i>y</i>} Photoanode for Visibleâ€Lightâ€Driven Water Oxidation. ChemPhysChem, 2015, 16, 1352-1355.	1.0	8
243	Dynamic Restructuring of Cuâ€Doped SnS₂ Nanoflowers for Highly Selective Electrochemical CO₂ Reduction to Formate. Angewandte Chemie, 2021, 133, 26437-26441.	1.6	8
244	Oneâ€Step Fabrication of Unique Mesoporous NiO Hollow Sphere Film on FTO for Highâ€Performance Pâ€Type Dyeâ€Sensitized Solar Cells. Advanced Materials Interfaces, 2014, 1, 1300110.	1.9	6
245	Noble metal nanowire arrays as an ethanol oxidation electrocatalyst. Nanoscale Advances, 2021, 3, 177-181.	2.2	6
246	Ultrafine Co₆W₆C as an efficient anode catalyst for direct hydrazine fuel cells. Chemical Communications, 2021, 57, 10415-10418.	2.2	6
247	Constructing partially amorphous borate doped iron-nickel nitrate hydroxide nanoarrays by rapid microwave activation for oxygen evolution. Applied Surface Science, 2022, 592, 153245.	3.1	6
248	Ruthenium/titanium oxide interface promoted electrochemical nitrogen reduction reaction. Chem Catalysis, 2022, 2, 1764-1774.	2.9	6
249	Synthesis, formation mechanism and electric property of hollow InP nanospheres. Applied Physics A: Materials Science and Processing, 2011, 104, 61-68.	1.1	5
250	Boosting Hydrogen Evolution Reaction via Electronic Coupling of Cerium Phosphate with Molybdenum Phosphide Nanobelts (Small 40/2021). Small, 2021, 17, 2170208.	5.2	5
251	Synthesis and Characterization of Singleâ€Crystalline Lanthanum Fluoride with a Ringâ€Like Nanostructure. European Journal of Inorganic Chemistry, 2009, 2009, 2383-2387.	1.0	4
252	A Molecular Relayâ€Modified CdSâ€Sensitized Photoelectrochemical Cell for Overall Water Splitting. ChemElectroChem, 2016, 3, 1471-1477.	1.7	4

#	Article	IF	Citations
253	Novel design of photoelectrochemical device by dual BiVO4 photoelectrode with abundant oxygen vacancy. Science Bulletin, 2018, 63, 1027-1028.	4.3	4
254	Dual single-site catalyst promoter boosts catalytic performance. National Science Review, 2020, 7, 1841-1842.	4.6	4
255	Pre-deposited Co nanofilms promoting high alloying degree of Pd Au nanoparticles as electrocatalysts in alkaline media. International Journal of Hydrogen Energy, 2020, 45, 28024-28033.	3.8	4
256	IIâ€"VI semiconductor nanowires. , 2015, , 3-28.		3
257	Enhancing the Mechanical Robustness of Gold Nanowire Array via Sulfideâ€Mediated Growth. Small Structures, 2022, 3, .	6.9	3
258	Phosphorus modified carbon fiber cloth as a robust and efficient anode for alkaline water electrolysis. Materials Today Energy, 2021, 20, 100683.	2.5	2
259	1D TiO2 Nanotube-Based Photocatalysts. Green Chemistry and Sustainable Technology, 2016, , 151-173.	0.4	1
260	Separation of Au Nanoplates and Nanoparticles through Density Gradient Centrifugation. Chemistry Letters, 2017, 46, 1570-1572.	0.7	1
261	Electrochemical looping hydrogen production at room temperature. Chem Catalysis, 2021, 1, 1365-1366.	2.9	1
262	Optimization of High-Yield Biological Synthesis of Single-Crystalline Gold Nanoplates.. ChemInform, 2005, 36, no.	0.1	0