

# Huijun Zhao

## List of Publications by Year in descending order

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570  
papers

49,015  
citations

1040

113  
h-index

2812

191  
g-index

585  
all docs

585  
docs citations

585  
times ranked

43084  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Nature Energy</i> , 2016, 1, .	19.8	1,979
2	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. <i>Nature</i> , 2016, 539, 76-80.	13.7	1,201
3	Ultrathin platinum nanowires grown on single-layered nickel hydroxide with high hydrogen evolution activity. <i>Nature Communications</i> , 2015, 6, 6430.	5.8	848
4	A Hierarchical Zr-Scheme $\text{Fe}_2\text{O}_3/\text{g-C}_3\text{N}_4$ Hybrid for Enhanced Photocatalytic $\text{CO}_2$ Reduction. <i>Advanced Materials</i> , 2018, 30, 1706108.	11.1	761
5	Growth of Polypyrrole Ultrathin Films on $\text{MoS}_2$ Monolayers as High-Performance Supercapacitor Electrodes. <i>Advanced Materials</i> , 2015, 27, 1117-1123.	11.1	691
6	Accurate Control of Multishelled $\text{Co}_3\text{O}_4$ Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6417-6420.	7.2	650
7	Core-Shell Palladium Nanoparticle@Metal-Organic Frameworks as Multifunctional Catalysts for Cascade Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 1738-1741.	6.6	632
8	$\text{Fe}_2\text{O}_3$ -multi-shelled hollow microspheres for lithium ion battery anodes with superior capacity and charge retention. <i>Energy and Environmental Science</i> , 2014, 7, 632-637.	15.6	630
9	Multi-shelled hollow micro-/nanostructures. <i>Chemical Society Reviews</i> , 2015, 44, 6749-6773.	18.7	603
10	Cross-Linked $\text{g-C}_3\text{N}_4/\text{rGO}$ Nanocomposites with Tunable Band Structure and Enhanced Visible Light Photocatalytic Activity. <i>Small</i> , 2013, 9, 3336-3344.	5.2	564
11	Few-layer graphdiyne doped with sp-hybridized nitrogen atoms at acetylenic sites for oxygen reduction electrocatalysis. <i>Nature Chemistry</i> , 2018, 10, 924-931.	6.6	558
12	Carbonized Nanoscale Metal-Organic Frameworks as High Performance Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Nano</i> , 2014, 8, 12660-12668.	7.3	509
13	Three-Dimensional Graphene/Metal Oxide Nanoparticle Hybrids for High-Performance Capacitive Deionization of Saline Water. <i>Advanced Materials</i> , 2013, 25, 6270-6276.	11.1	499
14	Functionalization of perovskite thin films with moisture-tolerant molecules. <i>Nature Energy</i> , 2016, 1, .	19.8	439
15	Photocatalytic Properties of Graphdiyne and Graphene Modified $\text{TiO}_2$ : From Theory to Experiment. <i>ACS Nano</i> , 2013, 7, 1504-1512.	7.3	434
16	Multishelled $\text{TiO}_2$ Hollow Microspheres as Anodes with Superior Reversible Capacity for Lithium Ion Batteries. <i>Nano Letters</i> , 2014, 14, 6679-6684.	4.5	406
17	Coexisting Single-Atomic Fe and Ni Sites on Hierarchically Ordered Porous Carbon as a Highly Efficient ORR Electrocatalyst. <i>Advanced Materials</i> , 2020, 32, e2004670.	11.1	404
18	Cobalt Covalent Doping in $\text{MoS}_2$ to Induce Bifunctionality of Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1801450.	11.1	402

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19	Co <sub>3</sub> O <sub>4</sub> Hexagonal Platelets with Controllable Facets Enabling Highly Efficient Visible-Light Photocatalytic Reduction of CO <sub>2</sub> . <i>Advanced Materials</i> , 2016, 28, 6485-6490.	11.1	395
20	Surface capacitive contributions: Towards high rate anode materials for sodium ion batteries. <i>Nano Energy</i> , 2015, 12, 224-230.	8.2	371
21	Rational screening low-cost counter electrodes for dye-sensitized solar cells. <i>Nature Communications</i> , 2013, 4, 1583.	5.8	365
22	Potassium-Ion-Assisted Regeneration of Active Cyano Groups in Carbon Nitride Nanoribbons: Visible-Light-Driven Photocatalytic Nitrogen Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16644-16650.	7.2	356
23	Multi-shelled metal oxides prepared via an anion-adsorption mechanism for lithium-ion batteries. <i>Nature Energy</i> , 2016, 1, .	19.8	352
24	An efficient and low-cost TiO <sub>2</sub> compact layer for performance improvement of dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2009, 54, 1319-1324.	2.6	326
25	Enhanced visible-light-driven photocatalytic inactivation of Escherichia coli using g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> hybrid photocatalyst synthesized using a hydrothermal-calcination approach. <i>Water Research</i> , 2015, 86, 17-24.	5.3	323
26	Earth-abundant Ni <sub>2</sub> P/g-C <sub>3</sub> N <sub>4</sub> lamellar nanohybrids for enhanced photocatalytic hydrogen evolution and bacterial inactivation under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 570-580.	10.8	311
27	Density functional theory analysis of structural and electronic properties of orthorhombic perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1424-1429.	1.3	306
28	Accurate Control of Multishelled Co <sub>3</sub> O <sub>4</sub> Hollow Microspheres as High-Performance Anode Materials in Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2013, 125, 6545-6548.	1.6	290
29	Quintuple-Shelled SnO <sub>2</sub> Hollow Microspheres with Superior Light Scattering for High-Performance Dye-Sensitized Solar Cells. <i>Advanced Materials</i> , 2014, 26, 905-909.	11.1	283
30	Photocatalytic Synthesis of TiO <sub>2</sub> and Reduced Graphene Oxide Nanocomposite for Lithium Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3636-3642.	4.0	276
31	Local atomic structure modulations activate metal oxide as electrocatalyst for hydrogen evolution in acidic water. <i>Nature Communications</i> , 2015, 6, 8064.	5.8	270
32	Multi-shelled CeO <sub>2</sub> hollow microspheres as superior photocatalysts for water oxidation. <i>Nanoscale</i> , 2014, 6, 4072-4077.	2.8	262
33	Carbon for the oxygen reduction reaction: a defect mechanism. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11736-11739.	5.2	261
34	Ultrathin Nitrogen-Doped Holey Carbon@Graphene Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions in Alkaline and Acidic Media. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16511-16515.	7.2	261
35	Co/Co <sub>9</sub> S <sub>8</sub> @S,N-doped porous graphene sheets derived from S, N dual organic ligands assembled Co-MOFs as superior electrocatalysts for full water splitting in alkaline media. <i>Nano Energy</i> , 2016, 30, 93-102.	8.2	260
36	3D graphene/MnO <sub>2</sub> aerogels for highly efficient and reversible removal of heavy metal ions. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1970-1979.	5.2	257

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37	Stable Seamless Interfaces and Rapid Ionic Conductivity of Ca <sup>2+</sup> /CeO <sub>2</sub> /LiTFSI/PEO Composite Electrolyte for High-Rate and High-Voltage All-Solid-State Battery. <i>Advanced Energy Materials</i> , 2020, 10, 2000049.	10.2	252
38	A Yolk-Shell Structured Silicon Anode with Superior Conductivity and High Tap Density for Full Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8824-8828.	7.2	242
39	Photocatalytic nanomaterials for solar-driven bacterial inactivation: recent progress and challenges. <i>Environmental Science: Nano</i> , 2017, 4, 782-799.	2.2	239
40	Dual-functional gum arabic binder for silicon anodes in lithium ion batteries. <i>Nano Energy</i> , 2015, 12, 178-185.	8.2	236
41	Bifunctional NH <sub>2</sub> -MIL-88(Fe) metal-organic framework nanooctahedra for highly sensitive detection and efficient removal of arsenate in aqueous media. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23794-23804.	5.2	230
42	Iron Vacancies Induced Bifunctionality in Ultrathin Feroxyhyte Nanosheets for Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1803144.	11.1	225
43	Co/CoO nanoparticles immobilized on Co-N-doped carbon as trifunctional electrocatalysts for oxygen reduction, oxygen evolution and hydrogen evolution reactions. <i>Chemical Communications</i> , 2016, 52, 5946-5949.	2.2	221
44	Two-dimensional carbon leading to new photoconversion processes. <i>Chemical Society Reviews</i> , 2014, 43, 4281-4299.	18.7	214
45	Boron doped BiOBr nanosheets with enhanced photocatalytic inactivation of Escherichia coli. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 35-45.	10.8	213
46	Enhanced photocatalytic inactivation of Escherichia coli by a novel Z-scheme g-C <sub>3</sub> N <sub>4</sub> /m-Bi <sub>2</sub> O <sub>4</sub> hybrid photocatalyst under visible light: The role of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , 2017, 214, 23-33.	10.8	210
47	Metal-organic framework derived nitrogen-doped porous carbon@graphene sandwich-like structured composites as bifunctional electrocatalysts for oxygen reduction and evolution reactions. <i>Carbon</i> , 2016, 106, 74-83.	5.4	206
48	Naturally Occurring Sphalerite As a Novel Cost-Effective Photocatalyst for Bacterial Disinfection under Visible Light. <i>Environmental Science &amp; Technology</i> , 2011, 45, 5689-5695.	4.6	202
49	Temperature-Controlled Selectivity of Hydrogenation and Hydrodeoxygenation in the Conversion of Biomass Molecule by the Ru <sub>1</sub> /mpg-C <sub>3</sub> N <sub>4</sub> Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 11161-11164.	6.6	199
50	A self-sponsored doping approach for controllable synthesis of S and N co-doped trimodal-porous structured graphitic carbon electrocatalysts. <i>Energy and Environmental Science</i> , 2014, 7, 3720-3726.	15.6	198
51	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017, 29, 1606755.	11.1	198
52	Nature-based catalyst for visible-light-driven photocatalytic CO <sub>2</sub> reduction. <i>Energy and Environmental Science</i> , 2018, 11, 2382-2389.	15.6	198
53	Unidirectional suppression of hydrogen oxidation on oxidized platinum clusters. <i>Nature Communications</i> , 2013, 4, 2500.	5.8	197
54	One-step synthesis of cobalt-doped MoS <sub>2</sub> nanosheets as bifunctional electrocatalysts for overall water splitting under both acidic and alkaline conditions. <i>Chemical Communications</i> , 2018, 54, 3859-3862.	2.2	196

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55	The influence of biochar type on long-term stabilization for Cd and Cu in contaminated paddy soils. <i>Journal of Hazardous Materials</i> , 2016, 304, 40-48.	6.5	195
56	Approaching the activity limit of CoSe <sub>2</sub> for oxygen evolution via Fe doping and Co vacancy. <i>Nature Communications</i> , 2020, 11, 1664.	5.8	191
57	Biomass-derived N-doped porous carbon as electrode materials for Zn-air battery powered capacitive deionization. <i>Chemical Engineering Journal</i> , 2018, 334, 1270-1280.	6.6	182
58	A New Graphdiyne Nanosheet/Pt Nanoparticle-Based Counter Electrode Material with Enhanced Catalytic Activity for Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500296.	10.2	180
59	Ultrathin Transition Metal Dichalcogenide/3d Metal Hydroxide Hybridized Nanosheets to Enhance Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2018, 30, e1801171.	11.1	180
60	Hydrogen Spillover-Bridged Volmer/Tafel Processes Enabling Ampere-Level Current Density Alkaline Hydrogen Evolution Reaction under Low Overpotential. <i>Journal of the American Chemical Society</i> , 2022, 144, 6028-6039.	6.6	179
61	Efficient Synthesis of Furfuryl Alcohol from H <sub>2</sub> -Hydrogenation/Transfer Hydrogenation of Furfural Using Sulfonate Group Modified Cu Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2172-2180.	3.2	177
62	Activation of persulfates by natural magnetic pyrrhotite for water disinfection: Efficiency, mechanisms, and stability. <i>Water Research</i> , 2017, 112, 236-247.	5.3	176
63	Dramatically Enhanced Ambient Ammonia Electrosynthesis Performance by In-Operando Created Li-S Interactions on MoS <sub>2</sub> Electrocatalyst. <i>Advanced Energy Materials</i> , 2019, 9, 1803935.	10.2	176
64	Stable Isolated Metal Atoms as Active Sites for Photocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2014, 20, 2138-2144.	1.7	173
65	Ni <sub>2</sub> P(O)/Fe <sub>2</sub> P(O) Interface Can Boost Oxygen Evolution Electrocatalysis. <i>ACS Energy Letters</i> , 2017, 2, 2257-2263.	8.8	173
66	Development of a Direct Photoelectrochemical Method for Determination of Chemical Oxygen Demand. <i>Analytical Chemistry</i> , 2004, 76, 155-160.	3.2	170
67	Two-Step Activated Carbon Cloth with Oxygen-Rich Functional Groups as a High-Performance Additive-Free Air Electrode for Flexible Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1802936.	10.2	170
68	Systematic Approach to In-Depth Understanding of Photoelectrocatalytic Bacterial Inactivation Mechanisms by Tracking the Decomposed Building Blocks. <i>Environmental Science &amp; Technology</i> , 2014, 48, 9412-9419.	4.6	169
69	Hydrogenation Synthesis of Blue TiO <sub>2</sub> for High-Performance Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8824-8830.	1.5	167
70	Anatase TiO <sub>2</sub> microspheres with exposed mirror-like plane {001} facets for high performance dye-sensitized solar cells (DSSCs). <i>Chemical Communications</i> , 2010, 46, 8395.	2.2	166
71	Conducting electroactive polymer-based biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 1999, 18, 245-251.	5.8	165
72	Photocatalytic Degradation Characteristics of Different Organic Compounds at TiO <sub>2</sub> Nanoporous Film Electrodes with Mixed Anatase/Rutile Phases. <i>Environmental Science &amp; Technology</i> , 2007, 41, 303-308.	4.6	165

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73	One dimensional CuInS <sub>2</sub> /ZnS heterostructured nanomaterials as low-cost and high-performance counter electrodes of dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 835.	15.6	164
74	Synthesis and characterisation of a polyacrylamide-polyacrylic acid copolymer hydrogel for environmental analysis of Cu and Cd. <i>Reactive and Functional Polymers</i> , 2002, 52, 31-41.	2.0	161
75	Electrocatalytically Active Fe <sub>2</sub> Single-Atom Sites for Efficient Reduction of Nitrogen to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13423-13429.	7.2	161
76	Inorganic Photocatalysts for Overall Water Splitting. <i>Chemistry - an Asian Journal</i> , 2012, 7, 642-657.	1.7	160
77	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. <i>Nature Communications</i> , 2021, 12, 3181.	5.8	156
78	pH-Regulated Synthesis of Multi-Shelled Manganese Oxide Hollow Microspheres as Supercapacitor Electrodes Using Carbonaceous Microspheres as Templates. <i>Advanced Science</i> , 2014, 1, 1400011.	5.6	154
79	Visible-light-driven photocatalytic inactivation of <i>E. coli</i> by Ag/AgX-CNTs (X=Cl, Br, I) plasmonic photocatalysts: Bacterial performance and deactivation mechanism. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 301-307.	10.8	149
80	Microwave-Assisted Fabrication of Nanoparticulate TiO <sub>2</sub> Microspheres for Synergistic Photocatalytic Removal of Cr(VI) and Methyl Orange. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3008-3015.	4.0	147
81	Controllable synthesis of mesostructures from TiO <sub>2</sub> hollow to porous nanospheres with superior rate performance for lithium ion batteries. <i>Chemical Science</i> , 2016, 7, 793-798.	3.7	147
82	Targeted synthesis of a porous aromatic framework with a high adsorption capacity for organic molecules. <i>Journal of Materials Chemistry</i> , 2011, 21, 13498.	6.7	146
83	Facet-Dependent Catalytic Activity of Platinum Nanocrystals for Triiodide Reduction in Dye-Sensitized Solar Cells. <i>Scientific Reports</i> , 2013, 3, 1836.	1.6	146
84	Size Modulation of Zirconium-Based Metal Organic Frameworks for Highly Efficient Phosphate Remediation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32151-32160.	4.0	146
85	Catalyst-free activation of persulfate by visible light for water disinfection: Efficiency and mechanisms. <i>Water Research</i> , 2019, 157, 106-118.	5.3	145
86	Synthesis and Characterization of Novel Plasmonic Ag/AgX-CNTs (X = Cl, Br, I) Nanocomposite Photocatalysts and Synergetic Degradation of Organic Pollutant under Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6959-6967.	4.0	144
87	Formation Mechanism of Freestanding CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Functional Crystals: In Situ Transformation vs Dissolution-Crystallization. <i>Chemistry of Materials</i> , 2014, 26, 6705-6710.	3.2	143
88	FeOOH Nanorods/Carbon Foam-Based Hierarchically Porous Monolith for Highly Effective Arsenic Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13480-13490.	4.0	143
89	Ambient Electrosynthesis of Ammonia on a Biomass-Derived Nitrogen-Doped Porous Carbon Electrocatalyst: Contribution of Pyridinic Nitrogen. <i>ACS Energy Letters</i> , 2019, 4, 377-383.	8.8	142
90	NiFe-Layered Double Hydroxide Nanosheet Arrays Supported on Carbon Cloth for Highly Sensitive Detection of Nitrite. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6541-6551.	4.0	140

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91	Electrodeposition preparation of Ag loaded N-doped TiO <sub>2</sub> nanotube arrays with enhanced visible light photocatalytic performance. <i>Catalysis Communications</i> , 2011, 12, 689-693.	1.6	138
92	New Insight into the Role of Gold Nanoparticles in Au@CdS Core-Shell Nanostructures for Hydrogen Evolution. <i>Small</i> , 2014, 10, 4664-4670.	5.2	138
93	Nitrogen-Doped Carbon Nanotube Confined Co-N Sites for Selective Hydrogenation of Biomass-Derived Compounds. <i>Advanced Materials</i> , 2019, 31, e1808341.	11.1	138
94	Cu doping in CeO <sub>2</sub> to form multiple oxygen vacancies for dramatically enhanced ambient N <sub>2</sub> reduction performance. <i>Chemical Communications</i> , 2019, 55, 2952-2955.	2.2	138
95	Lignocellulose Aerogel from Wood-Ionic Liquid Solution (1-Allyl-3-methylimidazolium Chloride) under Freezing and Thawing Conditions. <i>Biomacromolecules</i> , 2011, 12, 1860-1867.	2.6	137
96	Diffusion-Controlled Detection of Trinitrotoluene: Interior Nanoporous Structure and Low Highest Occupied Molecular Orbital Level of Building Blocks Enhance Selectivity and Sensitivity. <i>Journal of the American Chemical Society</i> , 2012, 134, 4978-4982.	6.6	137
97	Hydrothermal Transformation of Dried Grass into Graphitic Carbon-Based High Performance Electrocatalyst for Oxygen Reduction Reaction. <i>Small</i> , 2014, 10, 3371-3378.	5.2	135
98	Recent applications of TiO <sub>2</sub> nanomaterials in chemical sensing in aqueous media. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 875-890.	4.0	133
99	Encapsulation of Plasmid DNA by Nanoscale Metal-Organic Frameworks for Efficient Gene Transportation and Expression. <i>Advanced Materials</i> , 2019, 31, e1901570.	11.1	130
100	Synthesis of Carbon Nanotube-Anatase TiO <sub>2</sub> Sub-micrometer-sized Sphere Composite Photocatalyst for Synergistic Degradation of Gaseous Styrene. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 5988-5996.	4.0	128
101	Fluorescence Determination of Nitrite in Water Using Prawn-Shell Derived Nitrogen-Doped Carbon Nanodots as Fluorophores. <i>ACS Sensors</i> , 2016, 1, 875-881.	4.0	126
102	A selective etching phenomenon on {001} faceted anatase titanium dioxide single crystal surfaces by hydrofluoric acid. <i>Chemical Communications</i> , 2011, 47, 2829.	2.2	124
103	Facile fabrication of composition-tunable Fe/Mg bimetal-organic frameworks for exceptional arsenate removal. <i>Chemical Engineering Journal</i> , 2019, 357, 579-588.	6.6	124
104	High-Performance TiO <sub>2</sub> Photoanode with an Efficient Electron Transport Network for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16277-16282.	1.5	122
105	Synergistic photocatalytic inactivation mechanisms of bacteria by graphene sheets grafted plasmonic Ag AgX (X=Cl, Br, I) composite photocatalyst under visible light irradiation. <i>Water Research</i> , 2016, 99, 149-161.	5.3	122
106	Formation of Septuple-Shelled (Co <sub>2/3</sub> Mn <sub>1/3</sub> )(Co <sub>5/6</sub> Mn <sub>1/6</sub> ) <sub>2</sub> O <sub>4</sub> Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery. <i>Advanced Materials</i> , 2017, 29, 1700550.	11.1	122
107	Hierarchical Co <sub>3</sub> O <sub>4</sub> @N-Doped Carbon Composite as an Advanced Anode Material for Ultrastable Potassium Storage. <i>ACS Nano</i> , 2020, 14, 5027-5035.	7.3	121
108	Electrodeposition of polyhedral Cu <sub>2</sub> O on TiO <sub>2</sub> nanotube arrays for enhancing visible light photocatalytic performance. <i>Electrochemistry Communications</i> , 2011, 13, 861-864.	2.3	120

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109	Fabrication of mesoporous lignocellulose aerogels from wood via cyclic liquid nitrogen freezing–thawing in ionic liquid solution. <i>Journal of Materials Chemistry</i> , 2012, 22, 13548.	6.7	120
110	Molecular engineering of Ni <sup>II</sup> /Co <sup>II</sup> porphyrin multilayers on reduced graphene oxide sheets as bifunctional catalysts for oxygen evolution and oxygen reduction reactions. <i>Chemical Science</i> , 2016, 7, 5640-5646.	3.7	120
111	Characterization of Photoelectrocatalytic Processes at Nanoporous TiO <sub>2</sub> Film Electrodes: Photocatalytic Oxidation of Glucose. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12774-12780.	1.2	118
112	Transforming chitosan into N-doped graphitic carbon electrocatalysts. <i>Chemical Communications</i> , 2015, 51, 1334-1337.	2.2	117
113	Acid degradable ZnO quantum dots as a platform for targeted delivery of an anticancer drug. <i>Journal of Materials Chemistry</i> , 2011, 21, 13406.	6.7	116
114	Fe/Fe <sub>2</sub> O <sub>3</sub> nanoparticles anchored on Fe-N-doped carbon nanosheets as bifunctional oxygen electrocatalysts for rechargeable zinc-air batteries. <i>Nano Research</i> , 2016, 9, 2123-2137.	5.8	116
115	Photoelectrocatalytic decontamination of oilfield produced wastewater containing refractory organic pollutants in the presence of high concentration of chloride ions. <i>Journal of Hazardous Materials</i> , 2006, 138, 392-400.	6.5	115
116	Highly efficient and recyclable triple-shelled Ag@Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @TiO <sub>2</sub> photocatalysts for degradation of organic pollutants and reduction of hexavalent chromium ions. <i>Nanoscale</i> , 2014, 6, 5181.	2.8	115
117	Antibiotic-resistance gene transfer in antibiotic-resistance bacteria under different light irradiation: Implications from oxidative stress and gene expression. <i>Water Research</i> , 2019, 149, 282-291.	5.3	115
118	Simultaneously high-rate furfural hydrogenation and oxidation upgrading on nanostructured transition metal phosphides through electrocatalytic conversion at ambient conditions. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 899-908.	10.8	115
119	Anchoring Single Copper Atoms to Microporous Carbon Spheres as High-Performance Electrocatalyst for Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2021, 31, 2104864.	7.8	115
120	Surface hydrogen bonding can enhance photocatalytic H <sub>2</sub> evolution efficiency. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14089.	5.2	113
121	Target synthesis of a novel porous aromatic framework and its highly selective separation of CO <sub>2</sub> /CH <sub>4</sub> . <i>Chemical Communications</i> , 2013, 49, 2780.	2.2	113
122	Novel TiO <sub>2</sub> thin film with non-UV activated superwetting and antifogging behaviours. <i>Journal of Materials Chemistry</i> , 2007, 17, 952.	6.7	109
123	Palladium-decorated hierarchical titania constructed from the metal-organic frameworks NH <sub>2</sub> -MIL-125(Ti) as a robust photocatalyst for hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 743-750.	10.8	109
124	Anatase TiO <sub>2</sub> Crystal Facet Growth: Mechanistic Role of Hydrofluoric Acid and Photoelectrocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2472-2478.	4.0	108
125	A Recyclable Mineral Catalyst for Visible-Light-Driven Photocatalytic Inactivation of Bacteria: Natural Magnetic Sphalerite. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11166-11173.	4.6	108
126	S,N-Containing Co-MOF derived Co <sub>9</sub> S <sub>8</sub> @S,N-doped carbon materials as efficient oxygen electrocatalysts and supercapacitor electrode materials. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 491-498.	3.0	108



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127	Enhanced Visible-Light-Driven Photocatalytic Bacterial Inactivation by Ultrathin Carbon-Coated Magnetic Cobalt Ferrite Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4774-4784.	4.6	108
128	Recent Progress of Direct Ink Writing of Electronic Components for Advanced Wearable Devices. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1718-1734.	2.0	108
129	Hierarchical iron containing $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> /MnO <sub>2</sub> hollow microspheres: A facile one-step synthesis and effective removal of As(III) via oxidation and adsorption. <i>Chemical Engineering Journal</i> , 2016, 301, 139-148.	6.6	106
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131	Kinetic study of photocatalytic oxidation of adsorbed carboxylic acids at TiO <sub>2</sub> porous films by photoelectrolysis. <i>Journal of Catalysis</i> , 2004, 223, 212-220.	3.1	102
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133	Housing Sulfur in Polymer Composite Frameworks for Li-S Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 17.	14.4	102
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143	Active sites on hydrogen evolution photocatalyst. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15258.	5.2	96
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