Li Rong Zheng

List of Publications by Year
in descending order

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		1459	2076
361	46,647	107	204
papers	citations	h-index	g-index

366	366	366	30757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Homogeneously dispersed multimetal oxygen-evolving catalysts. Science, 2016, 352, 333-337.	6.0	1,948
2	Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. Angewandte Chemie - International Edition, 2016, 55, 10800-10805.	7.2	1,836
3	Isolated Single Iron Atoms Anchored on Nâ€Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2017, 56, 6937-6941.	7.2	1,542
4	Feâ€“Nâ€“C electrocatalyst with dense active sites and efficient mass transport for high-performance proton exchange membrane fuel cells. Nature Catalysis, 2019, 2, 259-268.	16.1	958
5	Design of Single-Atom Coâ€“N₅ Catalytic Site: A Robust Electrocatalyst for CO₂ Reduction with Nearly 100% CO Selectivity and Remarkable Stability. Journal of the American Chemical Society, 2018, 140, 4218-4221.	6.6	945
6	Functionalized Nano-MoS₂ with Peroxidase Catalytic and Near-Infrared Photothermal Activities for Safe and Synergetic Wound Antibacterial Applications. ACS Nano, 2016, 10, 11000-11011.	7.3	812
7	Defect Effects on TiO₂ Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. Advanced Materials, 2018, 30, 1705369.	11.1	751
8	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. Nature Nanotechnology, 2018, 13, 856-861.	15.6	741
9	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. Nature Communications, 2018, 9, 5422.	5.8	696
10	A Voltageâ€Boosting Strategy Enabling a Lowâ€Frequency, Flexible Electromagnetic Wave Absorption Device. Advanced Materials, 2018, 30, e1706343.	11.1	691
11	A Singleâ€Atom Nanozyme for Wound Disinfection Applications. Angewandte Chemie - International Edition, 2019, 58, 4911-4916.	7.2	607
12	Copper atom-pair catalyst anchored on alloy nanowires for selective and efficient electrochemical reduction of CO2. Nature Chemistry, 2019, 11, 222-228.	6.6	571
13	Uncoordinated Amine Groups of Metalâ€“Organic Frameworks to Anchor Single Ru Sites as Chemoselective Catalysts toward the Hydrogenation of Quinoline. Journal of the American Chemical Society, 2017, 139, 9419-9422.	6.6	558
14	Hollow N-Doped Carbon Spheres with Isolated Cobalt Single Atomic Sites: Superior Electrocatalysts for Oxygen Reduction. Journal of the American Chemical Society, 2017, 139, 17269-17272.	6.6	556
15	Doping-Enhanced Short-Range Order of Perovskite Nanocrystals for Near-Unity Violet Luminescence Quantum Yield. Journal of the American Chemical Society, 2018, 140, 9942-9951.	6.6	548
16	Engineering unsymmetrically coordinated Cu-S1N3 single atom sites with enhanced oxygen reduction activity. Nature Communications, 2020, 11, 3049.	5.8	537
17	Layeredâ€Doubleâ€Hydroxide Nanosheets as Efficient Visibleâ€Lightâ€Driven Photocatalysts for Dinitrogen Fixation. Advanced Materials, 2017, 29, 1703828.	11.1	524
18	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. Advanced Materials, 2018, 30, e1800588.	11.1	511

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19	Active Site Dependent Reaction Mechanism over Ru/CeO₂ Catalyst toward CO₂ Methanation. Journal of the American Chemical Society, 2016, 138, 6298-6305.	6.6	489
20	Metalâ€“Organic-Framework-Derived Fe-N/C Electrocatalyst with Five-Coordinated Fe-N_x Sites for Advanced Oxygen Reduction in Acid Media. ACS Catalysis, 2017, 7, 1655-1663.	5.5	483
21	MXene (Ti₃C₂) Vacancy-Confined Single-Atom Catalyst for Efficient Functionalization of CO₂. Journal of the American Chemical Society, 2019, 141, 4086-4093.	6.6	479
22	Defect Engineering in Two Common Types of Dielectric Materials for Electromagnetic Absorption Applications. Advanced Functional Materials, 2019, 29, 1901236.	7.8	469
23	A Bimetallic Zn/Fe Polyphthalocyanineâ€Derived Singleâ€Atom Feâ€N₄ Catalytic Site:A Superior Trifunctional Catalyst for Overall Water Splitting and Znâ€“Air Batteries. Angewandte Chemie - International Edition, 2018, 57, 8614-8618.	7.2	455
24	Boosting oxygen evolution of single-atomic ruthenium through electronic coupling with cobalt-iron layered double hydroxides. Nature Communications, 2019, 10, 1711.	5.8	446
25	Rational Design of Single Molybdenum Atoms Anchored on Nâ€Doped Carbon for Effective Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2017, 56, 16086-16090.	7.2	431
26	Regulating the Coordination Environment of MOFâ€Templated Singleâ€Atom Nickel Electrocatalysts for Boosting CO₂ Reduction. Angewandte Chemie - International Edition, 2020, 59, 2705-2709.	7.2	404
27	Cobalt Covalent Doping in MoS₂ to Induce Bifunctionality of Overall Water Splitting. Advanced Materials, 2018, 30, e1801450.	11.1	402
28	Introduction of amino groups into acid-resistant MOFs for enhanced U(<scp>vi</scp>) sorption. Journal of Materials Chemistry A, 2015, 3, 525-534.	5.2	378
29	Singleâ€Atom to Singleâ€Atom Grafting of Pt₁ onto Feï£¿N₄ Center: Pt₁@Feï£¿Nï£¿C Multifunctional Electrocatalyst with Significantly Enhanced Properties. Advanced Energy Materials, 2018, 8, 1701345.	10.2	371
30	Activating cobalt(II) oxide nanorods for efficient electrocatalysis by strain engineering. Nature Communications, 2017, 8, 1509.	5.8	361
31	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie - International Edition, 2020, 59, 1295-1301.	7.2	344
32	Preparation of Highâ€Percentage 1Tâ€Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, 1705509.	11.1	341
33	Electronic structure engineering to boost oxygen reduction activity by controlling the coordination of the central metal. Energy and Environmental Science, 2018, 11, 2348-2352.	15.6	336
34	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
35	Regulating the coordination structure of single-atom Fe-NxCy catalytic sites for benzene oxidation. Nature Communications, 2019, 10, 4290.	5.8	326
36	3D N-doped ordered mesoporous carbon supported single-atom Fe-N-C catalysts with superior performance for oxygen reduction reaction and zinc-air battery. Applied Catalysis B: Environmental, 2021, 280, 119411.	10.8	324

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37	Constructing NiCo/Fe₃O₄ Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. Journal of the American Chemical Society, 2018, 140, 15336-15341.	6.6	310
38	Isolated Single Iron Atoms Anchored on Nâ€Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. Angewandte Chemie, 2017, 129, 7041-7045.	1.6	306
39	The Solidâ€Phase Synthesis of an Feâ€Nâ€C Electrocatalyst for Highâ€Power Protonâ€Exchange Membrane Fuel Cells. Angewandte Chemie - International Edition, 2018, 57, 1204-1208.	7.2	293
40	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO₂/Fe₃O₄ and Its Graphene Composite. Environmental Science & Technology, 2017, 51, 5666-5674.	4.6	292
41	A general route via formamide condensation to prepare atomically dispersed metalâ€“nitrogenâ€“carbon electrocatalysts for energy technologies. Energy and Environmental Science, 2019, 12, 1317-1325.	15.6	290
42	Carbon dioxide electroreduction to C2 products over copper-cuprous oxide derived from electrosynthesized copper complex. Nature Communications, 2019, 10, 3851.	5.8	288
43	Thermal Emitting Strategy to Synthesize Atomically Dispersed Pt Metal Sites from Bulk Pt Metal. Journal of the American Chemical Society, 2019, 141, 4505-4509.	6.6	285
44	Atomically Dispersed Fe/N-Doped Hierarchical Carbon Architectures Derived from a Metalâ€“Organic Framework Composite for Extremely Efficient Electrocatalysis. ACS Energy Letters, 2017, 2, 504-511.	8.8	279
45	Rational Design of Feâ€“N/C Hybrid for Enhanced Nitrogen Reduction Electrocatalysis under Ambient Conditions in Aqueous Solution. ACS Catalysis, 2019, 9, 336-344.	5.5	278
46	Local atomic structure modulations activate metal oxide as electrocatalyst for hydrogen evolution in acidic water. Nature Communications, 2015, 6, 8064.	5.8	270
47	TiO_{2â€“x}-Modified Ni Nanocatalyst with Tunable Metalâ€“Support Interaction for Waterâ€“Gas Shift Reaction. ACS Catalysis, 2017, 7, 7600-7609.	5.5	268
48	Interaction mechanism of uranium(VI) with three-dimensional graphene oxide-chitosan composite: Insights from batch experiments, IR, XPS, and EXAFS spectroscopy. Chemical Engineering Journal, 2017, 328, 1066-1074.	6.6	266
49	A Polymer Encapsulation Strategy to Synthesize Porous Nitrogenâ€Doped Carbonâ€Nanosphereâ€Supported Metal Isolatedâ€Singleâ€Atomicâ€Site Catalysts. Advanced Materials, 2018, 30, e1706508.	11.1	266
50	Pd Singleâ€Atom Catalysts on Nitrogenâ€Doped Graphene for the Highly Selective Photothermal Hydrogenation of Acetylene to Ethylene. Advanced Materials, 2019, 31, e1900509.	11.1	262
51	Functionalized MoS₂ Nanovehicle with Nearâ€Infrared Laserâ€Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteriaâ€Infected Wound Therapy. Small, 2018, 14, e1802290.	5.2	259
52	Metal (Hydr)oxides@Polymer Coreâ€“Shell Strategy to Metal Single-Atom Materials. Journal of the American Chemical Society, 2017, 139, 10976-10979.	6.6	257
53	A Mn-N3 single-atom catalyst embedded in graphitic carbon nitride for efficient CO2 electroreduction. Nature Communications, 2020, 11, 4341.	5.8	257
54	Cation vacancy stabilization of single-atomic-site Pt1/Ni(OH)x catalyst for diboration of alkynes and alkenes. Nature Communications, 2018, 9, 1002.	5.8	255

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55	Efficient U(VI) Reduction and Sequestration by Ti₂CT_x MXene. Environmental Science & Technology, 2018, 52, 10748-10756.	4.6	253
56	Black Phosphorus Quantum Dot/Ti₃C₂ MXene Nanosheet Composites for Efficient Electrochemical Lithium/Sodiumâ€ion Storage. Advanced Energy Materials, 2018, 8, 1801514.	10.2	251
57	Engineering Isolated Mnâ€“N₂C₂ Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. Nano Letters, 2020, 20, 5443-5450.	4.5	249
58	Highly active, stable oxidized platinum clusters as electrocatalysts for the hydrogen evolution reaction. Energy and Environmental Science, 2017, 10, 2450-2458.	15.6	246
59	Manganese acting as a high-performance heterogeneous electrocatalyst in carbon dioxide reduction. Nature Communications, 2019, 10, 2980.	5.8	235
60	Hydrogen Evolution Reaction in Alkaline Media: Alpha- or Beta-Nickel Hydroxide on the Surface of Platinum?. ACS Energy Letters, 2018, 3, 237-244.	8.8	230
61	Electrocatalytic upcycling of polyethylene terephthalate to commodity chemicals and H2 fuel. Nature Communications, 2021, 12, 4679.	5.8	226
62	Discovering Partially Charged Single-Atom Pt for Enhanced Anti-Markovnikov Alkene Hydrosilylation. Journal of the American Chemical Society, 2018, 140, 7407-7410.	6.6	218
63	Wellâ€Dispersed Nickelâ€•and Zincâ€Tailored Electronic Structure of a Transition Metal Oxide for Highly Active Alkaline Hydrogen Evolution Reaction. Advanced Materials, 2019, 31, e1807771.	11.1	216
64	Coordination Number Regulation of Molybdenum Single-Atom Nanozyme Peroxidase-like Specificity. CheM, 2021, 7, 436-449.	5.8	216
65	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. Nano Research, 2020, 13, 3082-3087.	5.8	215
66	A cocoon silk chemistry strategy to ultrathin N-doped carbon nanosheet with metal single-site catalysts. Nature Communications, 2018, 9, 3861.	5.8	210
67	Insights into Interfacial Synergistic Catalysis over Ni@TiO_{2â€“x} Catalyst toward Waterâ€“Gas Shift Reaction. Journal of the American Chemical Society, 2018, 140, 11241-11251.	6.6	208
68	Rational Design of Holey 2D Nonlayered Transition Metal Carbide/Nitride Heterostructure Nanosheets for Highly Efficient Water Oxidation. Advanced Energy Materials, 2019, 9, 1803768.	10.2	204
69	Relationship between Iron Carbide Phases (Îµ-Fe₂C, Fe₇C₃, and) Tj ETQq1 1 0.784314 rgBT /O Catalysts. ACS Catalysis, 2018, 8, 3304-3316.	5.5	200
70	Rare Earth Single-Atom Catalysts for Nitrogen and Carbon Dioxide Reduction. ACS Nano, 2020, 14, 1093-1101.	7.3	198
71	Unidirectional suppression of hydrogen oxidation on oxidized platinum clusters. Nature Communications, 2013, 4, 2500.	5.8	197
72	Copper single-atom catalysts with photothermal performance and enhanced nanozyme activity for bacteriaâ€infected wound therapy. Bioactive Materials, 2021, 6, 4389-4401.	8.6	194

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73	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. Journal of the American Chemical Society, 2019, 141, 9305-9311.	6.6	191
74	Confined small-sized cobalt catalysts stimulate carbon-chain growth reversely by modifying ASF law of Fischerâ€“Tropsch synthesis. Nature Communications, 2018, 9, 3250.	5.8	186
75	Self-assembled iron-containing mordenite monolith for carbon dioxide sieving. Science, 2021, 373, 315-320.	6.0	179
76	Insights into the effects of surface/bulk defects on photocatalytic hydrogen evolution over TiO2 with exposed {001} facets. Applied Catalysis B: Environmental, 2018, 220, 126-136.	10.8	176
77	Interface confined hydrogen evolution reaction in zero valent metal nanoparticles-intercalated molybdenum disulfide. Nature Communications, 2017, 8, 14548.	5.8	174
78	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of Î³-CoOOH in a Heterostructured Co-Mo₂C Precatalyst Enable Water Oxidation. ACS Catalysis, 2020, 10, 4411-4419.	5.5	174
79	Ni₂P(O)/Fe₂P(O) Interface Can Boost Oxygen Evolution Electrocatalysis. ACS Energy Letters, 2017, 2, 2257-2263.	8.8	173
80	Unraveling sorption of lead in aqueous solutions by chemically modified biochar derived from coconut fiber: A microscopic and spectroscopic investigation. Science of the Total Environment, 2017, 576, 766-774.	3.9	172
81	Preparation of Feâ€“Nâ€“C catalysts with FeN_x (x = 1, 3, 4) active sites and comparison of their activities for the oxygen reduction reaction and performances in proton exchange membrane fuel cells. Journal of Materials Chemistry A, 2019, 7, 26147-26153.	5.2	172
82	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
83	Isolated Fe and Co dual active sites on nitrogen-doped carbon for a highly efficient oxygen reduction reaction. Chemical Communications, 2018, 54, 4274-4277.	2.2	166
84	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. Journal of Hazardous Materials, 2020, 396, 122731.	6.5	166
85	Ordered Porous Nitrogenâ€Doped Carbon Matrix with Atomically Dispersed Cobalt Sites as an Efficient Catalyst for Dehydrogenation and Transfer Hydrogenation of Nâ€Heterocycles. Angewandte Chemie - International Edition, 2018, 57, 11262-11266.	7.2	165
86	Atomic Insights for Optimum and Excess Doping in Photocatalysis: A Case Study of Fewâ€Layer Cuâ€ZnIn₂S₄. Advanced Functional Materials, 2019, 29, 1807013.	7.8	165
87	Effective Removal of Anionic Re(VII) by Surface-Modified Ti₂CT_x MXene Nanocomposites: Implications for Tc(VII) Sequestration. Environmental Science & Technology, 2019, 53, 3739-3747.	4.6	163
88	Tuning Metal Catalyst with Metalâ€“C₃N₄ Interaction for Efficient CO₂ Electroreduction. ACS Catalysis, 2018, 8, 11035-11041.	5.5	161
89	Electrocatalytically Active Feâ€(Oâ€C₂)₄ Singleâ€Atom Sites for Efficient Reduction of Nitrogen to Ammonia. Angewandte Chemie - International Edition, 2020, 59, 13423-13429.	7.2	161
90	X-ray-activated long persistent phosphors featuring strong UVC afterglow emissions. Light: Science and Applications, 2018, 7, 88.	7.7	159

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91	Iron atomâ€“cluster interactions increase activity and improve durability in Feâ€“Nâ€“C fuel cells. Nature Communications, 2022, 13, .	5.8	159
92	Au^{Î´â^'}â€“O_vâ€“Ti³⁺ Interfacial Site: Catalytic Active Center toward Low-Temperature Water Gas Shift Reaction. ACS Catalysis, 2019, 9, 2707-2717.	5.5	153
93	Highly Efficient Electroreduction of CO₂ to C2+ Alcohols on Heterogeneous Dual Active Sites. Angewandte Chemie - International Edition, 2020, 59, 16459-16464.	7.2	148
94	MIL-125-NH₂@TiO₂ Coreâ€“Shell Particles Produced by a Post-Solvothermal Route for High-Performance Photocatalytic H₂ Production. ACS Applied Materials & Interfaces, 2018, 10, 16418-16423.	4.0	143
95	Elucidating the activity, mechanism and application of selective electrosynthesis of ammonia from nitrate on cobalt phosphide. Energy and Environmental Science, 2022, 15, 760-770.	15.6	133
96	Study of the Active Sites in Porous Nickel Oxide Nanosheets by Manganese Modulation for Enhanced Oxygen Evolution Catalysis. ACS Energy Letters, 2018, 3, 2150-2158.	8.8	131
97	Mo⁶⁺activated multimetal oxygen-evolving catalysts. Chemical Science, 2017, 8, 3484-3488.	3.7	129
98	N-Bridged Coâ€“Nâ€“Ni: new bimetallic sites for promoting electrochemical CO₂ reduction. Energy and Environmental Science, 2021, 14, 3019-3028.	15.6	128
99	Electrochemical etching of Î±-cobalt hydroxide for improvement of oxygen evolution reaction. Journal of Materials Chemistry A, 2016, 4, 9578-9584.	5.2	125
100	Origin of the different phytotoxicity and biotransformation of cerium and lanthanum oxide nanoparticles in cucumber. Nanotoxicology, 2015, 9, 262-270.	1.6	123
101	One-Pot Pyrolysis to N-Doped Graphene with High-Density Pt Single Atomic Sites as Heterogeneous Catalyst for Alkene Hydrosilylation. ACS Catalysis, 2018, 8, 10004-10011.	5.5	121
102	Isolating contiguous Pt atoms and forming Pt-Zn intermetallic nanoparticles to regulate selectivity in 4-nitrophenylacetylene hydrogenation. Nature Communications, 2019, 10, 3787.	5.8	119
103	Porphyrin-like Fe-N4 sites with sulfur adjustment on hierarchical porous carbon for different rate-determining steps in oxygen reduction reaction. Nano Research, 2018, 11, 6260-6269.	5.8	118
104	Activating Layered Double Hydroxide with Multivacancies by Memory Effect for Energy-Efficient Hydrogen Production at Neutral pH. ACS Energy Letters, 2019, 4, 1412-1418.	8.8	115
105	Revealing the Intrinsic Peroxidase-Like Catalytic Mechanism of Heterogeneous Single-Atom Coâ€“MoS2. Nano-Micro Letters, 2019, 11, 102.	14.4	114
106	Scaleâ€Up Biomass Pathway to Cobalt Singleâ€Site Catalysts Anchored on Nâ€Doped Porous Carbon Nanobelt with Ultrahigh Surface Area. Advanced Functional Materials, 2018, 28, 1802167.	7.8	112
107	A three-dimensional hierarchically porous Mo₂C architecture: salt-template synthesis of a robust electrocatalyst and anode material towards the hydrogen evolution reaction and lithium storage. Journal of Materials Chemistry A, 2017, 5, 20228-20238.	5.2	111
108	Ionic liquid accelerates the crystallization of Zr-based metalâ€“organic frameworks. Nature Communications, 2017, 8, 175.	5.8	111

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109	Enhancing the Catalytic Activity of Co₃O₄ for Liâ€“O₂ Batteries through the Synergy of Surface/Interface/Doping Engineering. ACS Catalysis, 2018, 8, 1955-1963.	5.5	111
110	The Role of Alkali Metal in Î±â€MnO₂ Catalyzed Ammoniaâ€Selective Catalysis. Angewandte Chemie - International Edition, 2019, 58, 6351-6356.	7.2	110
111	Species-specific toxicity of ceria nanoparticles toLactucaplants. Nanotoxicology, 2015, 9, 1-8.	1.6	106
112	Diesel soot elimination over potassium-promoted Co3O4 nanowires monolithic catalysts under gravitation contact mode. Applied Catalysis B: Environmental, 2017, 218, 32-45.	10.8	105
113	Iridium-Triggered Phase Transition of MoS₂ Nanosheets Boosts Overall Water Splitting in Alkaline Media. ACS Energy Letters, 2019, 4, 368-374.	8.8	105
114	Insights into the role of active site density in the fuel cell performance of Co-N-C catalysts. Applied Catalysis B: Environmental, 2019, 256, 117849.	10.8	104
115	Molecular-Level Insight into Selective Catalytic Reduction of NO_x with NH₃ to N₂ over a Highly Efficient Bifunctional V_a-MnO_x Catalyst at Low Temperature. ACS Catalysis, 2018, 8, 4937-4949.	5.5	103
116	Engineering defect-rich Fe-doped NiO coupled Ni cluster nanotube arrays with excellent oxygen evolution activity. Applied Catalysis B: Environmental, 2021, 285, 119809.	10.8	103
117	Electrochemical Construction of Low-Crystalline CoOOH Nanosheets with Short-Range Ordered Grains to Improve Oxygen Evolution Activity. ACS Catalysis, 2021, 11, 6104-6112.	5.5	103
118	Nitrogen-Stabilized Low-Valent Ni Motifs for Efficient CO₂ Electrocatalysis. ACS Catalysis, 2020, 10, 1086-1093.	5.5	101
119	Sustainable production of benzene from lignin. Nature Communications, 2021, 12, 4534.	5.8	100
120	Atomically Dispersed Fe-N4 Modified with Precisely Located S for Highly Efficient Oxygen Reduction. Nano-Micro Letters, 2020, 12, 116.	14.4	99
121	CoO/CoP Heterostructured Nanosheets with an Oâ€“P Interpenetrated Interface as a Bifunctional Electrocatalyst for Naâ€“O₂ Battery. ACS Catalysis, 2018, 8, 8953-8960.	5.5	98
122	Black Tungsten Nitride as a Metallic Photocatalyst for Overall Water Splitting Operable at up to 765â€…nm. Angewandte Chemie - International Edition, 2017, 56, 7430-7434.	7.2	97
123	Xylem and Phloem Based Transport of CeO₂ Nanoparticles in Hydroponic Cucumber Plants. Environmental Science & Technology, 2017, 51, 5215-5221.	4.6	97
124	Active sites on hydrogen evolution photocatalyst. Journal of Materials Chemistry A, 2013, 1, 15258.	5.2	96
125	Simultaneous elimination of cationic uranium(<scp>vi</scp>) and anionic rhenium(<scp>vii</scp>) by graphene oxideâ€“poly(ethyleneimine) macrostructures: a batch, XPS, EXAFS, and DFT combined study. Environmental Science: Nano, 2018, 5, 2077-2087.	2.2	95
126	Elucidating the mechanism of the structure-dependent enzymatic activity of Feâ€“N/C oxidase mimics. Chemical Communications, 2019, 55, 5271-5274.	2.2	95

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127	1D/1D Hierarchical Nickel Sulfide/Phosphide Nanostructures for Electrocatalytic Water Oxidation. ACS Energy Letters, 2018, 3, 2021-2029.	8.8	93
128	Operando X-ray spectroscopy visualizing the chameleon-like structural reconstruction on an oxygen evolution electrocatalyst. Energy and Environmental Science, 2021, 14, 906-915.	15.6	93
129	Identifying the Activity Origin of a Cobalt Singleâ€Atom Catalyst for Hydrogen Evolution Using Supervised Learning. Advanced Functional Materials, 2021, 31, 2100547.	7.8	93
130	Sequential Synthesis and Activeâ€Site Coordination Principle of Precious Metal Singleâ€Atom Catalysts for Oxygen Reduction Reaction and PEM Fuel Cells. Advanced Energy Materials, 2020, 10, 2000689.	10.2	92
131	Aqueous CO₂ Reduction with High Efficiency Using Î±â€Co(OH)₂â€Supported Atomic Ir Electrocatalysts. Angewandte Chemie - International Edition, 2019, 58, 4669-4673.	7.2	90
132	Coordination mode engineering in stacked-nanosheet metalâ€“organic frameworks to enhance catalytic reactivity and structural robustness. Nature Communications, 2019, 10, 2779.	5.8	89
133	Li₄SrCa(SiO₄)₂:Eu²⁺: A Potential Temperature Sensor with Unique Optical Thermometric Properties. ACS Applied Materials & Interfaces, 2019, 11, 9691-9695.	4.0	89
134	Single Ni sites distributed on N-doped carbon for selective hydrogenation of acetylene. Chemical Communications, 2017, 53, 11568-11571.	2.2	88
135	Tuning Polarity of Cu-O Bond in Heterogeneous Cu Catalyst to Promote Additive-free Hydroboration of Alkynes. CheM, 2020, 6, 725-737.	5.8	87
136	Quasi free K cations confined in hollandite-type tunnels for catalytic solid (catalyst)-solid (reactant) oxidation reactions. Applied Catalysis B: Environmental, 2018, 232, 108-116.	10.8	85
137	Transformation of ceria nanoparticles in cucumber plants is influenced by phosphate. Environmental Pollution, 2015, 198, 8-14.	3.7	84
138	CoFeâ€“Cl Layered Double Hydroxide: A New Cathode Material for Highâ€Performance Chloride Ion Batteries. Advanced Functional Materials, 2019, 29, 1900983.	7.8	83
139	Where Does the Transformation of Precipitated Ceria Nanoparticles in Hydroponic Plants Take Place?. Environmental Science & Technology, 2015, 49, 10667-10674.	4.6	82
140	Amorphous Vanadium Oxide/Molybdenum Oxide Hybrid with Three-Dimensional Ordered Hierarchically Porous Structure as a High-Performance Li-Ion Battery Anode. Chemistry of Materials, 2016, 28, 4180-4190.	3.2	82
141	Hydrogen Passivation of Mâ€“Nâ€“C (M = Fe, Co) Catalysts for Storage Stability and ORR Activity Improvements. Advanced Materials, 2021, 33, e2103600.	11.1	81
142	Sorption mechanisms of lead on silicon-rich biochar in aqueous solution: Spectroscopic investigation. Science of the Total Environment, 2019, 672, 572-582.	3.9	79
143	Insights on Active Sites of CaAl-Hydrotalcite as a High-Performance Solid Base Catalyst toward Aldol Condensation. ACS Catalysis, 2018, 8, 656-664.	5.5	78
144	Isolation of single Pt atoms in a silver cluster: forming highly efficient silver-based cocatalysts for photocatalytic hydrogen evolution. Chemical Communications, 2017, 53, 9402-9405.	2.2	76

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145	Ultrathin Co₃O₄ Nanosheets with Edge-Enriched {111} Planes as Efficient Catalysts for Lithiumâ€“Oxygen Batteries. ACS Catalysis, 2019, 9, 3773-3782.	5.5	76
146	Organophosphoric acid-derived CoP quantum dots@S,N-codoped graphite carbon as a trifunctional electrocatalyst for overall water splitting and Znâ€“air batteries. Nanoscale, 2018, 10, 14613-14626.	2.8	74
147	Copper-modulated bismuth nanocrystals alter the formate formation pathway to achieve highly selective CO₂ electroreduction. Journal of Materials Chemistry A, 2018, 6, 16804-16809.	5.2	74
148	Coordination structure dominated performance of single-atomic Pt catalyst for anti-Markovnikov hydroboration of alkenes. Science China Materials, 2020, 63, 972-981.	3.5	74
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