

Li-Rong Zheng

List of Publications by Year in descending order

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892
papers

58,823
citations

766

119
h-index

1713

213
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914
all docs

914
docs citations

914
times ranked

39456
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogeneously dispersed multimetal oxygen-evolving catalysts. <i>Science</i> , 2016, 352, 333-337.	6.0	1,948
2	Single Cobalt Atoms with Precise Nâ€ˆCoordination as Superior Oxygen Reduction Reaction Catalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10800-10805.	7.2	1,836
3	Isolated Single Iron Atoms Anchored on Nâ€ˆDoped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6937-6941.	7.2	1,542
4	Feâ€ˆNâ€ˆC electrocatalyst with dense active sites and efficient mass transport for high-performance proton exchange membrane fuel cells. <i>Nature Catalysis</i> , 2019, 2, 259-268.	16.1	958
5	Defect Effects on TiO ₂ Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. <i>Advanced Materials</i> , 2018, 30, 1705369.	11.1	751
6	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. <i>Nature Nanotechnology</i> , 2018, 13, 856-861.	15.6	741
7	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. <i>Nature Communications</i> , 2018, 9, 5422.	5.8	696
8	A Voltageâ€ˆBoosting Strategy Enabling a Lowâ€ˆFrequency, Flexible Electromagnetic Wave Absorption Device. <i>Advanced Materials</i> , 2018, 30, e1706343.	11.1	691
9	A Singleâ€ˆAtom Nanozyme for Wound Disinfection Applications. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4911-4916.	7.2	607
10	Hollow N-Doped Carbon Spheres with Isolated Cobalt Single Atomic Sites: Superior Electrocatalysts for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 17269-17272.	6.6	556
11	A Health-IoT Platform Based on the Integration of Intelligent Packaging, Unobtrusive Bio-Sensor, and Intelligent Medicine Box. <i>IEEE Transactions on Industrial Informatics</i> , 2014, 10, 2180-2191.	7.2	548
12	Doping-Enhanced Short-Range Order of Perovskite Nanocrystals for Near-Unity Violet Luminescence Quantum Yield. <i>Journal of the American Chemical Society</i> , 2018, 140, 9942-9951.	6.6	548
13	Engineering unsymmetrically coordinated Cu-S1N3 single atom sites with enhanced oxygen reduction activity. <i>Nature Communications</i> , 2020, 11, 3049.	5.8	537
14	Vapor-assisted deposition of highly efficient, stable black-phase FAPbI ₃ perovskite solar cells. <i>Science</i> , 2020, 370, .	6.0	530
15	Layeredâ€ˆDoubleâ€ˆHydroxide Nanosheets as Efficient Visibleâ€ˆLightâ€ˆDriven Photocatalysts for Dinitrogen Fixation. <i>Advanced Materials</i> , 2017, 29, 1703828.	11.1	524
16	Fe Isolated Single Atoms on S, N Codoped Carbon by Copolymer Pyrolysis Strategy for Highly Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2018, 30, e1800588.	11.1	511
17	Bismuth Single Atoms Resulting from Transformation of Metalâ€ˆOrganic Frameworks and Their Use as Electrocatalysts for CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 16569-16573.	6.6	501
18	Active Site Dependent Reaction Mechanism over Ru/CeO ₂ Catalyst toward CO ₂ Methanation. <i>Journal of the American Chemical Society</i> , 2016, 138, 6298-6305.	6.6	489

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19	Metal-Organic-Framework-Derived Fe-N/C Electrocatalyst with Five-Coordinated Fe-N Sites for Advanced Oxygen Reduction in Acid Media. <i>ACS Catalysis</i> , 2017, 7, 1655-1663.	5.5	483
20	Defect Engineering in Two Common Types of Dielectric Materials for Electromagnetic Absorption Applications. <i>Advanced Functional Materials</i> , 2019, 29, 1901236.	7.8	469
21	A Bimetallic Zn/Fe Polyphthalocyanine-Derived Single-Atom Fe ₄ Catalytic Site: A Superior Trifunctional Catalyst for Overall Water Splitting and Zn-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8614-8618.	7.2	455
22	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020, 12, 764-772.	6.6	452
23	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16086-16090.	7.2	431
24	Regulating the Coordination Environment of MOF-templated Single-Atom Nickel Electrocatalysts for Boosting CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2705-2709.	7.2	404
25	Cobalt Covalent Doping in MoS ₂ to Induce Bifunctionality of Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1801450.	11.1	402
26	High-valence metals improve oxygen evolution reaction performance by modulating 3d metal oxidation cycle energetics. <i>Nature Catalysis</i> , 2020, 3, 985-992.	16.1	390
27	Introduction of amino groups into acid-resistant MOFs for enhanced U(VI) sorption. <i>Journal of Materials Chemistry A</i> , 2015, 3, 525-534.	5.2	378
28	Single Cobalt Atoms with Precise N-Coordination as Superior Oxygen Reduction Reaction Catalysts. <i>Angewandte Chemie</i> , 2016, 128, 10958-10963.	1.6	373
29	Single-Atom to Single-Atom Grafting of Pt ₁ onto Fe ₄ N ₄ Center: Pt ₁ @Fe ₄ N ₄ /C Multifunctional Electrocatalyst with Significantly Enhanced Properties. <i>Advanced Energy Materials</i> , 2018, 8, 1701345.	10.2	371
30	Single-atom cobalt array bound to distorted 1T MoS ₂ with ensemble effect for hydrogen evolution catalysis. <i>Nature Communications</i> , 2019, 10, 5231.	5.8	371
31	Activating cobalt(II) oxide nanorods for efficient electrocatalysis by strain engineering. <i>Nature Communications</i> , 2017, 8, 1509.	5.8	361
32	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1295-1301.	7.2	344
33	Preparation of High-Percentage 1T-Phase Transition Metal Dichalcogenide Nanodots for Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, 1705509.	11.1	341
34	Electronic structure engineering to boost oxygen reduction activity by controlling the coordination of the central metal. <i>Energy and Environmental Science</i> , 2018, 11, 2348-2352.	15.6	336
35	NiFe Hydroxide Lattice Tensile Strain: Enhancement of Adsorption of Oxygenated Intermediates for Efficient Water Oxidation Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 736-740.	7.2	335
36	Regulating Photocatalysis by Spin-State Manipulation of Cobalt in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 16723-16731.	6.6	333

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37	Regulating the coordination structure of single-atom Fe-NxCy catalytic sites for benzene oxidation. Nature Communications, 2019, 10, 4290.	5.8	326
38	Constructing NiCo/Fe ₃ O ₄ Heteroparticles within MOF-74 for Efficient Oxygen Evolution Reactions. Journal of the American Chemical Society, 2018, 140, 15336-15341.	6.6	310
39	Efficient Electrocatalytic Water Oxidation by Using Amorphous Ni-Co Double Hydroxides Nanocages. Advanced Energy Materials, 2015, 5, 1401880.	10.2	307
40	Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. Angewandte Chemie, 2017, 129, 7041-7045.	1.6	306
41	The Solid-Phase Synthesis of an Fe-N-C Electrocatalyst for High-Power Proton-Exchange Membrane Fuel Cells. Angewandte Chemie - International Edition, 2018, 57, 1204-1208.	7.2	293
42	Enhanced Photocatalytic Removal of Uranium(VI) from Aqueous Solution by Magnetic TiO ₂ /Fe ₃ O ₄ and Its Graphene Composite. Environmental Science & Technology, 2017, 51, 5666-5674.	4.6	292
43	A general route <i>via</i> formamide condensation to prepare atomically dispersed metal-nitrogen-carbon electrocatalysts for energy technologies. Energy and Environmental Science, 2019, 12, 1317-1325.	15.6	290
44	Carbon dioxide electroreduction to C2 products over copper-cuprous oxide derived from electrosynthesized copper complex. Nature Communications, 2019, 10, 3851.	5.8	288
45	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
46	Atomically Dispersed Fe/N-Doped Hierarchical Carbon Architectures Derived from a Metal-Organic Framework Composite for Extremely Efficient Electrocatalysis. ACS Energy Letters, 2017, 2, 504-511.	8.8	279
47	Rational Design of Fe-N/C Hybrid for Enhanced Nitrogen Reduction Electrocatalysis under Ambient Conditions in Aqueous Solution. ACS Catalysis, 2019, 9, 336-344.	5.5	278
48	Platinum-copper single atom alloy catalysts with high performance towards glycerol hydrogenolysis. Nature Communications, 2019, 10, 5812.	5.8	277
49	An Adjacent Atomic Platinum Site Enables Single-Atom Iron with High Oxygen Reduction Reaction Performance. Angewandte Chemie - International Edition, 2021, 60, 19262-19271.	7.2	275
50	TiO ₂ -Modified Ni Nanocatalyst with Tunable Metal-Support Interaction for Water-Gas Shift Reaction. ACS Catalysis, 2017, 7, 7600-7609.	5.5	268
51	A Polymer Encapsulation Strategy to Synthesize Porous Nitrogen-Doped Carbon-Nanosphere-Supported Metal Isolated Single-Atomic Site Catalysts. Advanced Materials, 2018, 30, e1706508.	11.1	266
52	Synergistically Interactive Pyridinic-N-MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. Angewandte Chemie - International Edition, 2020, 59, 8982-8990.	7.2	263
53	Pd Single-Atom Catalysts on Nitrogen-Doped Graphene for the Highly Selective Photothermal Hydrogenation of Acetylene to Ethylene. Advanced Materials, 2019, 31, e1900509.	11.1	262
54	Highly Electrocatalytic Ethylene Production from CO ₂ on Nanodeficient Cu Nanosheets. Journal of the American Chemical Society, 2020, 142, 13606-13613.	6.6	260

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55	Functionalized MoS ₂ Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. <i>Small</i> , 2018, 14, e1802290.	5.2	259
56	In Situ Phosphatizing of Triphenylphosphine Encapsulated within Metal-Organic Frameworks to Design Atomic Co ₁ P ₁ N ₃ Interfacial Structure for Promoting Catalytic Performance. <i>Journal of the American Chemical Society</i> , 2020, 142, 8431-8439.	6.6	259
57	Metal (Hydr)oxides@Polymer Core-Shell Strategy to Metal Single-Atom Materials. <i>Journal of the American Chemical Society</i> , 2017, 139, 10976-10979.	6.6	257
58	A Mn-N ₃ single-atom catalyst embedded in graphitic carbon nitride for efficient CO ₂ electroreduction. <i>Nature Communications</i> , 2020, 11, 4341.	5.8	257
59	Cation vacancy stabilization of single-atomic-site Pt ₁ /Ni(OH) _x catalyst for diboration of alkynes and alkenes. <i>Nature Communications</i> , 2018, 9, 1002.	5.8	255
60	Efficient U(VI) Reduction and Sequestration by Ti ₂ CT _x MXene. <i>Environmental Science & Technology</i> , 2018, 52, 10748-10756.	4.6	253
61	Black Phosphorus Quantum Dot/Ti ₃ C ₂ MXene Nanosheet Composites for Efficient Electrochemical Lithium/Sodium-Ion Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1801514.	10.2	251
62	Engineering Isolated Mn-N ₂ C ₂ Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. <i>Nano Letters</i> , 2020, 20, 5443-5450.	4.5	249
63	Highly active, stable oxidized platinum clusters as electrocatalysts for the hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2017, 10, 2450-2458.	15.6	246
64	Manganese acting as a high-performance heterogeneous electrocatalyst in carbon dioxide reduction. <i>Nature Communications</i> , 2019, 10, 2980.	5.8	235
65	Efficient removal of uranium from aqueous solution by zero-valent iron nanoparticle and its graphene composite. <i>Journal of Hazardous Materials</i> , 2015, 290, 26-33.	6.5	231
66	Value-centric design of the internet-of-things solution for food supply chain: Value creation, sensor portfolio and information fusion. <i>Information Systems Frontiers</i> , 2015, 17, 289-319.	4.1	231
67	Hydrogen Evolution Reaction in Alkaline Media: Alpha- or Beta-Nickel Hydroxide on the Surface of Platinum?. <i>ACS Energy Letters</i> , 2018, 3, 237-244.	8.8	230
68	Electrocatalytic upcycling of polyethylene terephthalate to commodity chemicals and H ₂ fuel. <i>Nature Communications</i> , 2021, 12, 4679.	5.8	226
69	Medial reward and lateral non-reward orbitofrontal cortex circuits change in opposite directions in depression. <i>Brain</i> , 2016, 139, 3296-3309.	3.7	224
70	Modulating Coordination Environment of Single-Atom Catalysts and Their Proximity to Photosensitive Units for Boosting MOF Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12220-12229.	6.6	219
71	Discovering Partially Charged Single-Atom Pt for Enhanced Anti-Markovnikov Alkene Hydrosilylation. <i>Journal of the American Chemical Society</i> , 2018, 140, 7407-7410.	6.6	218
72	Well-Dispersed Nickel and Zinc-Tailored Electronic Structure of a Transition Metal Oxide for Highly Active Alkaline Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2019, 31, e1807771.	11.1	216

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73	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. <i>Nano Research</i> , 2020, 13, 3082-3087.	5.8	215
74	Loading Actinides in Multilayered Structures for Nuclear Waste Treatment: The First Case Study of Uranium Capture with Vanadium Carbide MXene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 16396-16403.	4.0	214
75	A cocoon silk chemistry strategy to ultrathin N-doped carbon nanosheet with metal single-site catalysts. <i>Nature Communications</i> , 2018, 9, 3861.	5.8	210
76	Insights into Interfacial Synergistic Catalysis over Ni@TiO ₂ Catalyst toward Water-Gas Shift Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 11241-11251.	6.6	208
77	Rational Design of Holey 2D Nonlayered Transition Metal Carbide/Nitride Heterostructure Nanosheets for Highly Efficient Water Oxidation. <i>Advanced Energy Materials</i> , 2019, 9, 1803768.	10.2	204
78	Low-Cost Printed Chipless RFID Humidity Sensor Tag for Intelligent Packaging. <i>IEEE Sensors Journal</i> , 2015, 15, 3201-3208.	2.4	200
79	Relationship between Iron Carbide Phases (μ-Fe ₂ C, Fe ₇ C ₃ , and Tj ETQq1 1 0.784314 rgBT /Ove Catalysts. <i>ACS Catalysis</i> , 2018, 8, 3304-3316.	5.5	200
80	An Enzyme-Mimicking Single-Atom Catalyst as an Efficient Multiple Reactive Oxygen and Nitrogen Species Scavenger for Sepsis Management. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5108-5115.	7.2	200
81	Rare Earth Single-Atom Catalysts for Nitrogen and Carbon Dioxide Reduction. <i>ACS Nano</i> , 2020, 14, 1093-1101.	7.3	198
82	High-Bandwidth White-Light System Combining a Micro-LED with Perovskite Quantum Dots for Visible Light Communication. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 5641-5648.	4.0	194
83	Copper single-atom catalysts with photothermal performance and enhanced nanozyme activity for bacteria-infected wound therapy. <i>Bioactive Materials</i> , 2021, 6, 4389-4401.	8.6	194
84	Design of a terminal solution for integration of in-home health care devices and services towards the Internet-of-Things. <i>Enterprise Information Systems</i> , 2015, 9, 86-116.	3.3	193
85	Bimetallic nickel-molybdenum/tungsten nanoalloys for high-efficiency hydrogen oxidation catalysis in alkaline electrolytes. <i>Nature Communications</i> , 2020, 11, 4789.	5.8	192
86	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. <i>Journal of the American Chemical Society</i> , 2019, 141, 9305-9311.	6.6	191
87	Confined small-sized cobalt catalysts stimulate carbon-chain growth reversely by modifying ASF law of Fischer-Tropsch synthesis. <i>Nature Communications</i> , 2018, 9, 3250.	5.8	186
88	Alkali Etching of Layered Double Hydroxide Nanosheets for Enhanced Photocatalytic N ₂ Reduction to NH ₃ . <i>Advanced Energy Materials</i> , 2020, 10, 2002199.	10.2	185
89	Gram-scale Synthesis of High-Loading Single-Atomic-Site Fe Catalysts for Effective Epoxidation of Styrene. <i>Advanced Materials</i> , 2020, 32, e2000896.	11.1	181
90	Self-assembled iron-containing mordenite monolith for carbon dioxide sieving. <i>Science</i> , 2021, 373, 315-320.	6.0	179

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91	Strain Engineering of a MXene/CNT Hierarchical Porous Hollow Microsphere Electrocatalyst for a High-Efficiency Lithium Polysulfide Conversion Process. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2371-2378.	7.2	176
92	Translocation and biotransformation of CuO nanoparticles in rice (<i>Oryza sativa</i> L.) plants. <i>Environmental Pollution</i> , 2015, 197, 99-107.	3.7	174
93	Interface confined hydrogen evolution reaction in zero valent metal nanoparticles-intercalated molybdenum disulfide. <i>Nature Communications</i> , 2017, 8, 14548.	5.8	174
94	Potential-Dependent Phase Transition and Mo-Enriched Surface Reconstruction of γ -CoOOH in a Heterostructured Co-Mo ₂ C Precatalyst Enable Water Oxidation. <i>ACS Catalysis</i> , 2020, 10, 4411-4419.	5.5	174
95	Unraveling sorption of lead in aqueous solutions by chemically modified biochar derived from coconut fiber: A microscopic and spectroscopic investigation. <i>Science of the Total Environment</i> , 2017, 576, 766-774.	3.9	172
96	Preparation of Fe-N-C catalysts with FeN _x (<i>x</i> = 1, 3, 4) active sites and comparison of their activities for the oxygen reduction reaction and performances in proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26147-26153.	5.2	172
97	Atomically Dispersed Fe-Heteroatom (N, S) Bridge Sites Anchored on Carbon Nanosheets for Promoting Oxygen Reduction Reaction. <i>ACS Energy Letters</i> , 2021, 6, 379-386.	8.8	167
98	Effective removal of U(VI) and Eu(III) by carboxyl functionalized MXene nanosheets. <i>Journal of Hazardous Materials</i> , 2020, 396, 122731.	6.5	166
99	Ordered Porous Nitrogen-Doped Carbon Matrix with Atomically Dispersed Cobalt Sites as an Efficient Catalyst for Dehydrogenation and Transfer Hydrogenation of N-Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11262-11266.	7.2	165
100	Atomic Insights for Optimum and Excess Doping in Photocatalysis: A Case Study of Few-Layer Cu ₂ ZnIn ₂ S ₄ . <i>Advanced Functional Materials</i> , 2019, 29, 1807013.	7.8	165
101	Effective Removal of Anionic Re(VII) by Surface-Modified Ti ₂ CT _x MXene Nanocomposites: Implications for Tc(VII) Sequestration. <i>Environmental Science & Technology</i> , 2019, 53, 3739-3747.	4.6	163
102	345 m underwater optical wireless communication with 270 Gbps data rate based on a green laser diode with NRZ-OOK modulation. <i>Optics Express</i> , 2017, 25, 27937.	1.7	162
103	X-ray-activated long persistent phosphors featuring strong UVC afterglow emissions. <i>Light: Science and Applications</i> , 2018, 7, 88.	7.7	159
104	Interfacial Fe-O-Ni-O-Fe Bonding Regulates the Active Ni Sites of Ni-MOFs via Iron Doping and Decorating with FeOOH for Super-Efficient Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	159
105	Iron atom-cluster interactions increase activity and improve durability in Fe-N-C fuel cells. <i>Nature Communications</i> , 2022, 13, .	5.8	159
106	Single-Atom Fe Catalysts for Fenton-Like Reactions: Roles of Different N Species. <i>Advanced Materials</i> , 2022, 34, e2110653.	11.1	158
107	High-speed underwater optical wireless communication using a blue GaN-based micro-LED. <i>Optics Express</i> , 2017, 25, 1193.	1.7	153
108	Au ⁺ -O _v -Ti ³⁺ Interfacial Site: Catalytic Active Center toward Low-Temperature Water Gas Shift Reaction. <i>ACS Catalysis</i> , 2019, 9, 2707-2717.	5.5	153

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109	Materials capability and device performance in flexible electronics for the Internet of Things. Journal of Materials Chemistry C, 2014, 2, 1220-1232.	2.7	150
110	Highly Efficient Electroreduction of CO ₂ to C ₂ + Alcohols on Heterogeneous Dual Active Sites. Angewandte Chemie - International Edition, 2020, 59, 16459-16464.	7.2	148
111	MIL-125-NH ₂ @TiO ₂ Core-Shell Particles Produced by a Post-Solvothermal Route for High-Performance Photocatalytic H ₂ Production. ACS Applied Materials & Interfaces, 2018, 10, 16418-16423.	4.0	143
112	Lead-Free Cs ₂ BiAgBr ₆ Double Perovskite-Based Humidity Sensor with Superfast Recovery Time. Advanced Functional Materials, 2019, 29, 1902234.	7.8	143
113	CoO Hollow Cube/Reduced Graphene Oxide Composites with Enhanced Lithium Storage Capability. Chemistry of Materials, 2014, 26, 5958-5964.	3.2	135
114	Lewis Acid Site-Promoted Single-Atomic Cu Catalyzes Electrochemical CO ₂ Methanation. Nano Letters, 2021, 21, 7325-7331.	4.5	133
115	Alcohols electrooxidation coupled with H ₂ production at high current densities promoted by a cooperative catalyst. Nature Communications, 2022, 13, 147.	5.8	133
116	A Bioinspired Five-Coordinate Single-Atom Iron Nanozyme for Tumor Catalytic Therapy. Advanced Materials, 2022, 34, e2107088.	11.1	133
117	Simultaneous oxidative and reductive reactions in one system by atomic design. Nature Catalysis, 2021, 4, 134-143.	16.1	132
118	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
119	Ultrastable Au nanoparticles on titania through an encapsulation strategy under oxidative atmosphere. Nature Communications, 2019, 10, 5790.	5.8	128
120	N-Bridged Co-Ni: new bimetallic sites for promoting electrochemical CO ₂ reduction. Energy and Environmental Science, 2021, 14, 3019-3028.	15.6	128
121	Production of vanillin from waste residue of rice bran oil by Aspergillus niger and Pycnoporus cinnabarinus. Bioresource Technology, 2007, 98, 1115-1119.	4.8	127
122	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
123	Ultrastable FeCo Bifunctional Electrocatalyst on Se-Doped CNTs for Liquid and Flexible All-Solid-State Rechargeable Zn-Air Batteries. Nano Letters, 2021, 21, 2255-2264.	4.5	120
124	Atomically Dispersed Pt ₃ C ₁ Sites Enabling Efficient and Selective Electrocatalytic C-C Bond Cleavage in Lignin Models under Ambient Conditions. Journal of the American Chemical Society, 2021, 143, 9429-9439.	6.6	120
125	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
126	Magnetic-Field-Stimulated Efficient Photocatalytic N ₂ Fixation over Defective BaTiO ₃ Perovskites. Angewandte Chemie - International Edition, 2021, 60, 11910-11918.	7.2	119

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127	Porphyrin-like Fe-N ₄ sites with sulfur adjustment on hierarchical porous carbon for different rate-determining steps in oxygen reduction reaction. <i>Nano Research</i> , 2018, 11, 6260-6269.	5.8	118
128	Interfacial Structure-Determined Reaction Pathway and Selectivity for 5-(Hydroxymethyl)furfural Hydrogenation over Cu-Based Catalysts. <i>ACS Catalysis</i> , 2020, 10, 1353-1365.	5.5	118
129	Activating Layered Double Hydroxide with Multivacancies by Memory Effect for Energy-Efficient Hydrogen Production at Neutral pH. <i>ACS Energy Letters</i> , 2019, 4, 1412-1418.	8.8	115
130	Aryl Diazonium-Assisted Amidoximation of MXene for Boosting Water Stability and Uranyl Sequestration via Electrochemical Sorption. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15579-15587.	4.0	115
131	In-situ spectroscopic observation of dynamic-coupling oxygen on atomically dispersed iridium electrocatalyst for acidic water oxidation. <i>Nature Communications</i> , 2021, 12, 6118.	5.8	115
132	Ambient Synthesis of Single-Atom Catalysts from Bulk Metal via Trapping of Atoms by Surface Dangling Bonds. <i>Advanced Materials</i> , 2019, 31, e1904496.	11.1	114
133	Revealing the Intrinsic Peroxidase-Like Catalytic Mechanism of Heterogeneous Single-Atom Co@MoS ₂ . <i>Nano-Micro Letters</i> , 2019, 11, 102.	14.4	114
134	New Insights into the Roles of Mg in Improving the Rate Capability and Cycling Stability of O ₃ -NaMn _{0.48} Ni _{0.2} Fe _{0.3} Mg _{0.02} O ₂ for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10819-10827.	4.0	113
135	Scale-Up Biomass Pathway to Cobalt Single-Site Catalysts Anchored on N-Doped Porous Carbon Nanobelt with Ultrahigh Surface Area. <i>Advanced Functional Materials</i> , 2018, 28, 1802167.	7.8	112
136	A three-dimensional hierarchically porous Mo ₂ C architecture: salt-template synthesis of a robust electrocatalyst and anode material towards the hydrogen evolution reaction and lithium storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20228-20238.	5.2	111
137	Ionic liquid accelerates the crystallization of Zr-based metal-organic frameworks. <i>Nature Communications</i> , 2017, 8, 175.	5.8	111
138	Enhancing the Catalytic Activity of Co ₃ O ₄ for Li-O ₂ Batteries through the Synergy of Surface/Interface/Doping Engineering. <i>ACS Catalysis</i> , 2018, 8, 1955-1963.	5.5	111
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