Yadong Li

List of Publications by Year in descending order

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451 papers	86,097 citations	191 150 h-index	391 279 g-index
464 all docs	464 docs citations	464 times ranked	43023 citing authors

#	Article	IF	Citations
1	A general strategy for nanocrystal synthesis. Nature, 2005, 437, 121-124.	13.7	2,439
2	Highly Crystalline Multimetallic Nanoframes with Three-Dimensional Electrocatalytic Surfaces. Science, 2014, 343, 1339-1343.	6.0	2,376
3	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
4	Single-Atom Catalysts: Synthetic Strategies and Electrochemical Applications. Joule, 2018, 2, 1242-1264.	11.7	1,618
5	Coreâ€“Shell ZIF-8@ZIF-67-Derived CoP Nanoparticle-Embedded N-Doped Carbon Nanotube Hollow Polyhedron for Efficient Overall Water Splitting. Journal of the American Chemical Society, 2018, 140, 2610-2618.	6.6	1,556
6	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
7	General synthesis and definitive structural identification of MN4C4 single-atom catalysts with tunable electrocatalytic activities. Nature Catalysis, 2018, 1, 63-72.	16.1	1,476
8	Single platinum atoms immobilized on an MXene as an efficient catalyst for the hydrogen evolution reaction. Nature Catalysis, 2018, 1, 985-992.	16.1	1,236
9	Design of N-Coordinated Dual-Metal Sites: A Stable and Active Pt-Free Catalyst for Acidic Oxygen Reduction Reaction. Journal of the American Chemical Society, 2017, 139, 17281-17284.	6.6	1,220
10	Ionic Exchange of Metalâ€“Organic Frameworks to Access Single Nickel Sites for Efficient Electroreduction of CO₂. Journal of the American Chemical Society, 2017, 139, 8078-8081.	6.6	1,115
11	Nearly Monodisperse Cu2O and CuO Nanospheres:Â Preparation and Applications for Sensitive Gas Sensors. Chemistry of Materials, 2006, 18, 867-871.	3.2	1,053
12	Enhanced catalytic activity of ceria nanorods from well-defined reactive crystal planes. Journal of Catalysis, 2005, 229, 206-212.	3.1	1,010
13	Bimetallic Nanocrystals: Liquidâ€Phase Synthesis and Catalytic Applications. Advanced Materials, 2011, 23, 1044-1060.	11.1	1,009
14	Selected-Control Hydrothermal Synthesis of Î±- and Î²-MnO2Single Crystal Nanowires. Journal of the American Chemical Society, 2002, 124, 2880-2881.	6.6	1,003
15	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
16	Synthesis and Characterization of Ion-Exchangeable Titanate Nanotubes. Chemistry - A European Journal, 2003, 9, 2229-2238.	1.7	895
17	Regulation of Coordination Number over Single Co Sites: Triggering the Efficient Electroreduction of CO₂. Angewandte Chemie - International Edition, 2018, 57, 1944-1948.	7.2	888
18	Selective Synthesis of Co₃O₄ Nanocrystal with Different Shape and Crystal Plane Effect on Catalytic Property for Methane Combustion. Journal of the American Chemical Society, 2008, 130, 16136-16137.	6.6	865

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19	Green chemistry for nanoparticle synthesis. Chemical Society Reviews, 2015, 44, 5778-5792.	18.7	863
20	Chemical Synthesis of Single Atomic Site Catalysts. Chemical Reviews, 2020, 120, 11900-11955.	23.0	806
21	Well-Defined Materials for Heterogeneous Catalysis: From Nanoparticles to Isolated Single-Atom Sites. Chemical Reviews, 2020, 120, 623-682.	23.0	794
22	Engineering the electronic structure of single atom Ru sites via compressive strain boosts acidic water oxidation electrocatalysis. Nature Catalysis, 2019, 2, 304-313.	16.1	757
23	Defect Effects on TiO₂ Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. Advanced Materials, 2018, 30, 1705369.	11.1	751
24	Direct transformation of bulk copper into copper single sites via emitting and trapping of atoms. Nature Catalysis, 2018, 1, 781-786.	16.1	746
25	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. Nature Nanotechnology, 2018, 13, 856-861.	15.6	741
26	Catalysis Based on Nanocrystals with Wellâ€Defined Facets. Angewandte Chemie - International Edition, 2012, 51, 602-613.	7.2	729
27	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
28	Tuning the Coordination Environment in Single-Atom Catalysts to Achieve Highly Efficient Oxygen Reduction Reactions. Journal of the American Chemical Society, 2019, 141, 20118-20126.	6.6	683
29	Removal and Utilization of Capping Agents in Nanocatalysis. Chemistry of Materials, 2014, 26, 72-83.	3.2	640
30	Hollow Zn/Co ZIF Particles Derived from Coreâ€“Shell ZIFâ€67@ZIFâ€8 as Selective Catalyst for the Semiâ€Hydrogenation of Acetylene. Angewandte Chemie - International Edition, 2015, 54, 10889-10893.	7.2	619
31	Atomic site electrocatalysts for water splitting, oxygen reduction and selective oxidation. Chemical Society Reviews, 2020, 49, 2215-2264.	18.7	582
32	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
33	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
34	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
35	Review of Metal Catalysts for Oxygen Reduction Reaction: From Nanoscale Engineering to Atomic Design. CheM, 2019, 5, 1486-1511.	5.8	544
36	Engineering unsymmetrically coordinated Cu-S1N3 single atom sites with enhanced oxygen reduction activity. Nature Communications, 2020, 11, 3049.	5.8	537

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37	Modulating the local coordination environment of single-atom catalysts for enhanced catalytic performance. Nano Research, 2020, 13, 1842-1855.	5.8	532
38	Synergistic effect of well-defined dual sites boosting the oxygen reduction reaction. Energy and Environmental Science, 2018, 11, 3375-3379.	15.6	528
39	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. Nature Catalysis, 2021, 4, 407-417.	16.1	517
40	Surface effects on elastic properties of silver nanowires: Contact atomic-force microscopy. Physical Review B, 2006, 73, .	1.1	512
41	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
42	Bismuth Single Atoms Resulting from Transformation of Metalâ€“Organic Frameworks and Their Use as Electrocatalysts for CO₂ Reduction. Journal of the American Chemical Society, 2019, 141, 16569-16573.	6.6	501
43	Bismuth Nanotubes:Â A Rational Low-Temperature Synthetic Route. Journal of the American Chemical Society, 2001, 123, 9904-9905.	6.6	481
44	Synthesis and catalytic properties of bimetallic nanomaterials with various architectures. Nano Today, 2012, 7, 448-466.	6.2	463
45	Electronic Metalâ€“Support Interaction of Singleâ€Atom Catalysts and Applications in Electrocatalysis. Advanced Materials, 2020, 32, e2003300.	11.1	459
46	One-Pot Synthesis and Bioapplication of Amine-Functionalized Magnetite Nanoparticles and Hollow Nanospheres. Chemistry - A European Journal, 2006, 12, 6341-6347.	1.7	455
47	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
48	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general hostâ€“guest strategy. Nature Chemistry, 2020, 12, 764-772.	6.6	452
49	Metal organic frameworks derived single atom catalysts for electrocatalytic energy conversion. Nano Research, 2019, 12, 2067-2080.	5.8	448
50	Atomicâ€Level Modulation of Electronic Density at Cobalt Singleâ€Atom Sites Derived from Metalâ€“Organic Frameworks: Enhanced Oxygen Reduction Performance. Angewandte Chemie - International Edition, 2021, 60, 3212-3221.	7.2	445
51	Defect engineering in earth-abundant electrocatalysts for CO₂ and N₂ reduction. Energy and Environmental Science, 2019, 12, 1730-1750.	15.6	439
52	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
53	Ultrathin rhodium nanosheets. Nature Communications, 2014, 5, 3093.	5.8	428
54	Tuning defects in oxides at roomÂtemperature by lithium reduction. Nature Communications, 2018, 9, 1302.	5.8	428

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55	Single Tungsten Atoms Supported on MOFâ€Derived Nâ€Doped Carbon for Robust Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, e1800396.	11.1	427
56	Use of Carbonaceous Polysaccharide Microspheres as Templates for Fabricating Metal Oxide Hollow Spheres. Chemistry - A European Journal, 2006, 12, 2039-2047.	1.7	426
57	Electronic structure and d-band center control engineering over M-doped CoP (Mâ€=â€Ni, Mn, Fe) hollow polyhedron frames for boosting hydrogen production. Nano Energy, 2019, 56, 411-419.	8.2	421
58	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. Nature Nanotechnology, 2020, 15, 390-397.	15.6	420
59	Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. Angewandte Chemie, 2016, 128, 10958-10963.	1.6	373
60	Photoinduction of Cu Single Atoms Decorated on UiO-66-NH₂ for Enhanced Photocatalytic Reduction of CO₂ to Liquid Fuels. Journal of the American Chemical Society, 2020, 142, 19339-19345.	6.6	373
61	Ultrathin Nickel Hydroxide and Oxide Nanosheets: Synthesis, Characterizations and Excellent Supercapacitor Performances. Scientific Reports, 2014, 4, 5787.	1.6	363
62	Engineering Dual Singleâ€Atom Sites on 2D Ultrathin Nâ€doped Carbon Nanosheets Attaining Ultraâ€Lowâ€Temperature Zincâ€Air Battery. Angewandte Chemie - International Edition, 2022, 61, .	7.2	355
63	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. Journal of the American Chemical Society, 2017, 139, 7294-7301.	6.6	354
64	Improved ethanol electrooxidation performance by shortening Pdâ€“Ni active site distance in Pdâ€“Niâ€“P nanocatalysts. Nature Communications, 2017, 8, 14136.	5.8	351
65	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie - International Edition, 2020, 59, 1295-1301.	7.2	344
66	Shape-Dependent Catalytic Activity of Silver Nanoparticles for the Oxidation of Styrene. Chemistry - an Asian Journal, 2006, 1, 888-893.	1.7	343
67	High-Performance Rh₂P Electrocatalyst for Efficient Water Splitting. Journal of the American Chemical Society, 2017, 139, 5494-5502.	6.6	343
68	Cage-Confinement Pyrolysis Route to Ultrasmall Tungsten Carbide Nanoparticles for Efficient Electrocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2017, 139, 5285-5288.	6.6	336
69	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
70	Porous Molybdenum Phosphide Nanoâ€Octahedrons Derived from Confined Phosphorization in UIOâ€66 for Efficient Hydrogen Evolution. Angewandte Chemie - International Edition, 2016, 55, 12854-12858.	7.2	331
71	Single-atomic cobalt sites embedded in hierarchically ordered porous nitrogen-doped carbon as a superior bifunctional electrocatalyst. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12692-12697.	3.3	325
72	Syntheses of Water-Soluble Octahedral, Truncated Octahedral, and Cubic Ptâ€“Ni Nanocrystals and Their Structureâ€“Activity Study in Model Hydrogenation Reactions. Journal of the American Chemical Society, 2012, 134, 8975-8981.	6.6	322

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73	A general synthesis approach for amorphous noble metal nanosheets. Nature Communications, 2019, 10, 4855.	5.8	321
74	Ultrathin Icosahedral Pt-Enriched Nanocage with Excellent Oxygen Reduction Reaction Activity. Journal of the American Chemical Society, 2016, 138, 1494-1497.	6.6	316
75	Rareâ€Earth Single Erbium Atoms for Enhanced Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2020, 59, 10651-10657.	7.2	314
76	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
77	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
78	Boosting Oxygen Reduction Catalysis with Feâ€“N₄ Sites Decorated Porous Carbons toward Fuel Cells. ACS Catalysis, 2019, 9, 2158-2163.	5.5	297
79	Trifunctional Selfâ€Supporting Cobaltâ€Embedded Carbon Nanotube Films for ORR, OER, and HER Triggered by Solid Diffusion from Bulk Metal. Advanced Materials, 2019, 31, e1808043.	11.1	290
80	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
81	High-Concentration Single Atomic Pt Sites on Hollow CuSx for Selective O2 Reduction to H2O2 in Acid Solution. CheM, 2019, 5, 2099-2110.	5.8	279
82	Carbon nitride supported Fe2 cluster catalysts with superior performance for alkene epoxidation. Nature Communications, 2018, 9, 2353.	5.8	278
83	Atomic interface effect of a single atom copper catalyst for enhanced oxygen reduction reactions. Energy and Environmental Science, 2019, 12, 3508-3514.	15.6	278
84	Solid-Diffusion Synthesis of Single-Atom Catalysts Directly from Bulk Metal for Efficient CO2 Reduction. Joule, 2019, 3, 584-594.	11.7	277
85	An Adjacent Atomic Platinum Site Enables Singleâ€Atom Iron with High Oxygen Reduction Reaction Performance. Angewandte Chemie - International Edition, 2021, 60, 19262-19271.	7.2	275
86	A photochromic composite with enhanced carrier separation for the photocatalytic activation of benzylic Câ€“H bonds in toluene. Nature Catalysis, 2018, 1, 704-710.	16.1	273
87	Theory-oriented screening and discovery of advanced energy transformation materials in electrocatalysis. , 2022, 1, 100013.		273
88	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
89	Accelerating water dissociation kinetics by isolating cobalt atoms into ruthenium lattice. Nature Communications, 2018, 9, 4958.	5.8	264
90	Synergistically Interactive Pyridinicâ€Nâ€“MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. Angewandte Chemie - International Edition, 2020, 59, 8982-8990.	7.2	263

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91	Surface active sites on Co3O4 nanobelt and nanocube model catalysts for CO oxidation. Nano Research, 2010, 3, 363-368.	5.8	259
92	In Situ Phosphatizing of Triphenylphosphine Encapsulated within Metalâ€“Organic Frameworks to Design Atomic Co₁â€“P₁N₃ Interfacial Structure for Promoting Catalytic Performance. Journal of the American Chemical Society, 2020, 142, 8431-8439.	6.6	259
93	Confined Pyrolysis within Metalâ€“Organic Frameworks To Form Uniform Ru₃ Clusters for Efficient Oxidation of Alcohols. Journal of the American Chemical Society, 2017, 139, 9795-9798.	6.6	258
94	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
95	Designing Atomic Active Centers for Hydrogen Evolution Electrocatalysts. Angewandte Chemie - International Edition, 2020, 59, 20794-20812.	7.2	257
96	Single-atom catalysis enables long-life, high-energy lithium-sulfur batteries. Nano Research, 2020, 13, 1856-1866.	5.8	257
97	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
98	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. Nature Communications, 2019, 10, 4875.	5.8	253
99	Single-atom site catalysts for environmental catalysis. Nano Research, 2020, 13, 3165-3182.	5.8	252
100	Engineering Isolated Mnâ€“N₂C₂ Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. Nano Letters, 2020, 20, 5443-5450.	4.5	249
101	Cobalt single atom site catalysts with ultrahigh metal loading for enhanced aerobic oxidation of ethylbenzene. Nano Research, 2021, 14, 2418-2423.	5.8	248
102	Fabrication of Singleâ€Atom Catalysts with Precise Structure and High Metal Loading. Advanced Materials, 2018, 30, e1801649.	11.1	247
103	Discovery of main group single Sbâ€“N₄ active sites for CO₂ electroreduction to formate with high efficiency. Energy and Environmental Science, 2020, 13, 2856-2863.	15.6	245
104	Regulation of Coordination Number over Single Co Sites: Triggering the Efficient Electroreduction of CO₂. Angewandte Chemie, 2018, 130, 1962-1966.	1.6	244
105	Recent advances in the precise control of isolated single-site catalysts by chemical methods. National Science Review, 2018, 5, 673-689.	4.6	244
106	Functionalization of Hollow Nanomaterials for Catalytic Applications: Nanoreactor Construction. Advanced Materials, 2019, 31, e1800426.	11.1	239
107	Silver Singleâ€Atom Catalyst for Efficient Electrochemical CO₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie - International Edition, 2021, 60, 6170-6176.	7.2	236
108	Design of a Singleâ€Atom Indium^{Î´+}â€“N₄Interface for Efficient Electroreduction of CO₂to Formate. Angewandte Chemie - International Edition, 2020, 59, 22465-22469.	7.2	232

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109	Atomically Dispersed Copperâ€“Platinum Dual Sites Alloyed with Palladium Nanorings Catalyze the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2017, 56, 16047-16051.	7.2	231
110	Oxides@C Coreâ”Shell Nanostructures:â€‰ One-Pot Synthesis, Rational Conversion, and Li Storage Property. Chemistry of Materials, 2006, 18, 3486-3494.	3.2	226
111	Atomically dispersed Au1 catalyst towards efficient electrochemical synthesis of ammonia. Science Bulletin, 2018, 63, 1246-1253.	4.3	225
112	Design of ultrathin Pt-Mo-Ni nanowire catalysts for ethanol electrooxidation. Science Advances, 2017, 3, e1603068.	4.7	224
113	Titania supported synergistic palladium single atoms and nanoparticles for room temperature ketone and aldehydes hydrogenation. Nature Communications, 2020, 11, 48.	5.8	223
114	Structural Regulation with Atomic-Level Precision: From Single-Atomic Site to Diatomic and Atomic Interface Catalysis. Matter, 2020, 2, 78-110.	5.0	221
115	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
116	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
117	A cocoon silk chemistry strategy to ultrathin N-doped carbon nanosheet with metal single-site catalysts. Nature Communications, 2018, 9, 3861.	5.8	210
118	Quantitative Study of Charge Carrier Dynamics in Well-Defined WO₃ Nanowires and Nanosheets: Insight into the Crystal Facet Effect in Photocatalysis. Journal of the American Chemical Society, 2018, 140, 9078-9082.	6.6	209
119	A single-atom Feâ€“N₄ catalytic site mimicking bifunctional antioxidative enzymes for oxidative stress cytoprotection. Chemical Communications, 2019, 55, 159-162.	2.2	209
120	Efficient and Robust Hydrogen Evolution: Phosphorus Nitride Imide Nanotubes as Supports for Anchoring Single Ruthenium Sites. Angewandte Chemie - International Edition, 2018, 57, 9495-9500.	7.2	205
121	Unraveling the enzyme-like activity of heterogeneous single atom catalyst. Chemical Communications, 2019, 55, 2285-2288.	2.2	205
122	A Supported Pd₂DualâEAtom Site Catalyst for Efficient Electrochemical CO₂Reduction. Angewandte Chemie - International Edition, 2021, 60, 13388-13393.	7.2	201
123	Emerging low-nuclearity supported metal catalysts with atomic level precision for efficient heterogeneous catalysis. Nano Research, 2022, 15, 7806-7839.	5.8	201
124	Temperature-Controlled Selectivity of Hydrogenation and Hydrodeoxygenation in the Conversion of Biomass Molecule by the Ru₁/mpg-C₃N₄ Catalyst. Journal of the American Chemical Society, 2018, 140, 11161-11164.	6.6	199
125	Non-carbon-supported single-atom site catalysts for electrocatalysis. Energy and Environmental Science, 2021, 14, 2809-2858.	15.6	198
126	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO₂ Electroreduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 23614-23618.	7.2	197

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127	Singleâ€Atom Materials: Small Structures Determine Macroproperties. Small Structures, 2021, 2, 2000051.	6.9	195
128	Strain Engineering to Enhance the Electrooxidation Performance of Atomic-Layer Pt on Intermetallic Pt₃Ga. Journal of the American Chemical Society, 2018, 140, 2773-2776.	6.6	193
129	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
130	Nanocrystalline intermetallics and alloys. Nano Research, 2010, 3, 574-580.	5.8	190
131	The Electronic Metalâ€“Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 19085-19091.	7.2	189
132	Nanocrystals from solutions: catalysts. Chemical Society Reviews, 2014, 43, 2112-2124.	18.7	185
133	Platinumâ€“nickel frame within metal-organic framework fabricated in situ for hydrogen enrichment and molecular sieving. Nature Communications, 2015, 6, 8248.	5.8	184
134	Single-Atom Coâ€“N₄ Electrocatalyst Enabling Four-Electron Oxygen Reduction with Enhanced Hydrogen Peroxide Tolerance for Selective Sensing. Journal of the American Chemical Society, 2020, 142, 16861-16867.	6.6	184
135	Gramâ€Scale Synthesis of Highâ€Loading Singleâ€Atomicâ€Site Fe Catalysts for Effective Epoxidation of Styrene. Advanced Materials, 2020, 32, e2000896.	11.1	181
136	Engineering of Coordination Environment and Multiscale Structure in Single-Site Copper Catalyst for Superior Electrocatalytic Oxygen Reduction. Nano Letters, 2020, 20, 6206-6214.	4.5	178
137	Rational Design of Singleâ€Atom Site Electrocatalysts: From Theoretical Understandings to Practical Applications. Advanced Materials, 2021, 33, e2008151.	11.1	175
138	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. Nature Catalysis, 2022, 5, 300-310.	16.1	175
139	Synthetic strategies of supported atomic clusters for heterogeneous catalysis. Nature Communications, 2020, 11, 5884.	5.8	174
140	Thermal Atomization of Platinum Nanoparticles into Single Atoms: An Effective Strategy for Engineering High-Performance Nanozymes. Journal of the American Chemical Society, 2021, 143, 18643-18651.	6.6	174
141	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. Nano Letters, 2020, 20, 3442-3448.	4.5	172
142	Nanocrystals: Solution-based synthesis and applications as nanocatalysts. Nano Research, 2009, 2, 30-46.	5.8	170
143	MOF Encapsulating Nâ€Heterocyclic Carbeneâ€Ligated Copper Singleâ€Atom Site Catalyst towards Efficient Methane Electrosynthesis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	170
144	Highly Active and Selective Catalysis of Bimetallic Rh₃Ni₁ Nanoparticles in the Hydrogenation of Nitroarenes. ACS Catalysis, 2013, 3, 608-612.	5.5	167

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145	Isolated Single-Atom Niâ€“N₅ Catalytic Site in Hollow Porous Carbon Capsules for Efficient Lithiumâ€“Sulfur Batteries. Nano Letters, 2021, 21, 9691-9698.	4.5	167
146	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
147	Atomic-scale engineering of chemical-vapor-deposition-grown 2D transition metal dichalcogenides for electrocatalysis. Energy and Environmental Science, 2020, 13, 1593-1616.	15.6	166
148	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
149	The Synthesis of Nanocrystalline Anatase and Rutile Titania in Mixed Organic Media. Inorganic Chemistry, 2001, 40, 5210-5214.	1.9	164
150	Atomically Dispersed Ruthenium Species Inside Metalâ€“Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. Angewandte Chemie - International Edition, 2019, 58, 4271-4275.	7.2	162
151	Cobalt Single Atom Incorporated in Ruthenium Oxide Sphere: A Robust Bifunctional Electrocatalyst for HER and OER. Angewandte Chemie - International Edition, 2022, 61, .	7.2	162
152	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. Nature Communications, 2021, 12, 3181.	5.8	156
153	Interface-Mediated Growth of Monodispersed Nanostructures. Accounts of Chemical Research, 2007, 40, 635-643.	7.6	155
154	Ruâ€“Co Pair Sites Catalyst Boosts the Energetics for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	154
155	Oleylamineâ€Mediated Shape Evolution of Palladium Nanocrystals. Angewandte Chemie - International Edition, 2011, 50, 6315-6319.	7.2	152
156	The Electronic Metalâ€“Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. Angewandte Chemie, 2021, 133, 19233-19239.	1.6	149
157	Solvothermal synthesis of lithium iron phosphate nanoplates. Journal of Materials Chemistry, 2011, 21, 9994.	6.7	148
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