Yadong Li

List of Publications by Year in descending order

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451	86,097	191 150	394 279
papers	citations	h-index	g-index

464	464	464	43023
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Revealing the surface atomic arrangement of noble metal alkane dehydrogenation catalysts by a stepwise reduction-oxidation approach. Nano Research, 2023, 16, 4499-4505.	10.4	11
2	RuO2 clusters derived from bulk SrRuO3: Robust catalyst for oxygen evolution reaction in acid. Nano Research, 2022, 15, 1959-1965.	10.4	23
3	Atom-level interfacial synergy of single-atom site catalysts for electrocatalysis. Journal of Energy Chemistry, 2022, 65, 103-115.	12.9	35
4	Cobalt Single Atom Incorporated in Ruthenium Oxide Sphere: A Robust Bifunctional Electrocatalyst for HER and OER. Angewandte Chemie, 2022, 134, .	2.0	105
5	MOF Encapsulating Nâ€Heterocyclic Carbeneâ€Ligated Copper Singleâ€Atom Site Catalyst towards Efficient Methane Electrosynthesis. Angewandte Chemie, 2022, 134, e202114450.	2.0	15
6	MOF Encapsulating Nâ€Heterocyclic Carbeneâ€Ligated Copper Singleâ€Atom Site Catalyst towards Efficient Methane Electrosynthesis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	170
7	Striding the threshold of an atom era of organic synthesis by single-atom catalysis. CheM, 2022, 8, 119-140.	11.7	71
8	Cobalt Single Atom Incorporated in Ruthenium Oxide Sphere: A Robust Bifunctional Electrocatalyst for HER and OER. Angewandte Chemie - International Edition, 2022, 61, .	13.8	162
9	Theory-oriented screening and discovery of advanced energy transformation materials in electrocatalysis. , 2022, 1, 100013.		273
10	Surfactant-assisted implantation strategy for facile construction of Pt-based hybrid electrocatalyst to accelerate oxygen reduction reaction. Materials Today Energy, 2022, 24, 100919.	4.7	6
11	Atomically dispersed Ni anchored on polymer-derived mesh-like N-doped carbon nanofibers as an efficient CO2 electrocatalytic reduction catalyst. Nano Research, 2022, 15, 3959-3963.	10.4	18
12	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, .	13.8	355
13	Theoretical insights into TM@PHEs as single-atom catalysts for water splitting based on density functional theory. Physical Chemistry Chemical Physics, 2022, 24, 975-981.	2.8	2
14	Engineering the Local Atomic Environments of Indium Singleâ€Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie, 2022, 134, .	2.0	27
15	Engineering the Local Atomic Environments of Indium Singleâ€Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie - International Edition, 2022, 61, .	13.8	127
16	Dual Active Centers Bridged by Oxygen Vacancies of Ruthenium Singleâ€Atom Hybrids Supported on Molybdenum Oxide for Photocatalytic Ammonia Synthesis. Angewandte Chemie, 2022, 134, .	2.0	8
17	Distinct Crystalâ€Facetâ€Dependent Behaviors for Singleâ€Atom Palladiumâ€Onâ€Ceria Catalysts: Enhanced Stabilization and Catalytic Properties. Advanced Materials, 2022, 34, e2107721.	21.0	78
18	Dual Active Centers Bridged by Oxygen Vacancies of Ruthenium Singleâ€Atom Hybrids Supported on Molybdenum Oxide for Photocatalytic Ammonia Synthesis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	45

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19	Regulating the Tip Effect on Singleâ€Atom and Cluster Catalysts: Forming Reversible Oxygen Species with High Efficiency in Chlorine Evolution Reaction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	76
20	Regulating the Tip Effect on Singleâ€Atom and Cluster Catalysts: Forming Reversible Oxygen Species with High Efficiency in Chlorine Evolution Reaction. Angewandte Chemie, 2022, 134, .	2.0	25
21	Engineering Lattice Disorder on a Photocatalyst: Photochromic BiOBr Nanosheets Enhance Activation of Aromatic Câ€“H Bonds via Water Oxidation. Journal of the American Chemical Society, 2022, 144, 3386-3397.	13.7	96
22	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. Nature Catalysis, 2022, 5, 300-310.	34.4	175
23	Revealing the Origin of Lowâ€Temperature Activity of Niâ€“Rh Nanostructures during CO Oxidation Reaction with Operando TEM. Advanced Science, 2022, 9, e2105599.	11.2	6
24	Construction of N, P Coâ€Đoped Carbon Frames Anchored with Fe Single Atoms and Fe₂P Nanoparticles as a Robust Coupling Catalyst for Electrocatalytic Oxygen Reduction. Advanced Materials, 2022, 34, .	21.0	93
25	Ruâ€“Co Pair Sites Catalyst Boosts the Energetics for the Oxygen Evolution Reaction. Angewandte Chemie - International Edition, 2022, 61, .	13.8	154
26	Emerging low-nuclearity supported metal catalysts with atomic level precision for efficient heterogeneous catalysis. Nano Research, 2022, 15, 7806-7839.	10.4	201
27	Recent Progress in Thermal Conversion of CO₂ via Singleâ€Atom Site Catalysis. Small Structures, 2022, 3, .	12.0	44
28	Single-atom site catalysts based on high specific surface area supports. Physical Chemistry Chemical Physics, 2022, 24, 17417-17438.	2.8	11
29	A Site Distance Effect Induced by Reactant Molecule Matchup in Singleâ€Atom Catalysts for Fentonâ€Like Reactions. Angewandte Chemie, 2022, 134, .	2.0	24
30	A Site Distance Effect Induced by Reactant Molecule Matchup in Singleâ€Atom Catalysts for Fentonâ€Like Reactions. Angewandte Chemie - International Edition, 2022, 61, .	13.8	105
31	Carbon Nitride Photocatalysts with Integrated Oxidation and Reduction Atomic Active Centers for Improved CO₂Conversion. Angewandte Chemie, 2022, 134, .	2.0	19
32	Carbon Nitride Photocatalysts with Integrated Oxidation and Reduction Atomic Active Centers for Improved CO₂Conversion. Angewandte Chemie - International Edition, 2022, 61, .	13.8	81
33	Singleâ€atom catalysis for carbon neutrality. , 2022, 4, 1021-1079.		96
34	Engineering Water Molecules Activation Center on Multisite Electrocatalysts for Enhanced CO₂ Methanation. Journal of the American Chemical Society, 2022, 144, 12807-12815.	13.7	74
35	Singleâ€Atom Materials: Small Structures Determine Macroproperties. Small Structures, 2021, 2, 2000051.	12.0	195
36	Atomically dispersed Niâ€“Ruâ€“P interface sites for high-efficiency pH-universal electrocatalysis of hydrogen evolution. Nano Energy, 2021, 80, 105467.	16.0	114

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37	Silver Singleâ€Atom Catalyst for Efficient Electrochemical CO₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie - International Edition, 2021, 60, 6170-6176.	13.8	236
38	Porous Î³-Fe2O3 nanoparticle decorated with atomically dispersed platinum: Study on atomic site structural change and gas sensor activity evolution. Nano Research, 2021, 14, 1435-1442.	10.4	46
39	How to select effective electrocatalysts: Nano or single atom?. Nano Select, 2021, 2, 492-511.	3.7	82
40	Silver Singleâ€Atom Catalyst for Efficient Electrochemical CO₂ Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie, 2021, 133, 6235-6241.	2.0	22
41	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.	13.8	445
42	Atomicâ€Level Modulation of Electronic Density at Cobalt Singleâ€Atom Sites Derived from Metalâ€“Organic Frameworks: Enhanced Oxygen Reduction Performance. Angewandte Chemie, 2021, 133, 3249-3258.	2.0	44
43	Single copper sites dispersed on hierarchically porous carbon for improving oxygen reduction reaction towards zinc-air battery. Nano Research, 2021, 14, 998-1003.	10.4	50
44	Single-atom Fe with Fe1N3 structure showing superior performances for both hydrogenation and transfer hydrogenation of nitrobenzene. Science China Materials, 2021, 64, 642-650.	6.3	98
45	Manganese vacancy-confined single-atom Ag in cryptomelane nanorods for efficient Wacker oxidation of styrene derivatives. Chemical Science, 2021, 12, 6099-6106.	7.4	22
46	Cobalt single atom site catalysts with ultrahigh metal loading for enhanced aerobic oxidation of ethylbenzene. Nano Research, 2021, 14, 2418-2423.	10.4	248
47	One-step synthesis of single-site vanadium substitution in 1T-WS2 monolayers for enhanced hydrogen evolution catalysis. Nature Communications, 2021, 12, 709.	12.8	137
48	Construction of nitrogen-doped porous carbon nanosheets decorated with Feâ€“N₄ and iron oxides by a biomass coordination strategy for efficient oxygen reduction reaction. New Journal of Chemistry, 2021, 45, 14570-14579.	2.8	6
49	Fe₁N₄â€“O₁ site with axial Feâ€“O coordination for highly selective CO₂ reduction over a wide potential range. Energy and Environmental Science, 2021, 14, 3430-3437.	30.8	119
50	Singleâ€Atom Materials: Small Structures Determine Macroproperties. Small Structures, 2021, 2, 2170006.	12.0	7
51	Notched-Polyoxometalate Strategy to Fabricate Atomically Dispersed Ru Catalysts for Biomass Conversion. ACS Catalysis, 2021, 11, 2669-2675.	11.2	34
52	Construction of Dualâ€Activeâ€Site Copper Catalyst Containing both Cuï£¿N₃ and Cuï£¿N₄ Sites. Small, 2021, 17, e2006834.	10.0	52
53	Pd single-atom monolithic catalyst: Functional 3D structure and unique chemical selectivity in hydrogenation reaction. Science China Materials, 2021, 64, 1919-1929.	6.3	75
54	A fundamental comprehension and recent progress in advanced Ptâ€based ORR nanocatalysts. SmartMat, 2021, 2, 56-75.	10.7	141

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55	High-Loading Single-Atomic-Site Silver Catalysts with an Ag₁â€“C₂N₁ Structure Showing Superior Performance for Epoxidation of Styrene. ACS Catalysis, 2021, 11, 4946-4954.	11.2	62
56	Dual-atom Pt heterogeneous catalyst with excellent catalytic performances for the selective hydrogenation and epoxidation. Nature Communications, 2021, 12, 3181.	12.8	156
57	A Supported Pd₂DualâEAtom Site Catalyst for Efficient Electrochemical CO₂Reduction. Angewandte Chemie, 2021, 133, 13500-13505.	2.0	29
58	Constructing FeN4/graphitic nitrogen atomic interface for high-efficiency electrochemical CO2 reduction over a broad potential window. CheM, 2021, 7, 1297-1307.	11.7	133
59	Single-atom site catalysts supported on two-dimensional materials for energy applications. Chinese Chemical Letters, 2021, 32, 3771-3781.	9.0	38
60	Atomic Co/Ni dual sites with N/P-coordination as bifunctional oxygen electrocatalyst for rechargeable zinc-air batteries. Nano Research, 2021, 14, 3482-3488.	10.4	113
61	A Supported Pd₂DualâEAtom Site Catalyst for Efficient Electrochemical CO₂Reduction. Angewandte Chemie - International Edition, 2021, 60, 13388-13393.	13.8	201
62	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. Nature Catalysis, 2021, 4, 407-417.	34.4	517
63	A heterogeneous iridium single-atom-site catalyst for highly regioselective carbenoid Oâ€“H bond insertion. Nature Catalysis, 2021, 4, 523-531.	34.4	103
64	Atomically Dispersed Ptâ€“N₃C₁ Sites Enabling Efficient and Selective Electrocatalytic Câ€“C Bond Cleavage in Lignin Models under Ambient Conditions. Journal of the American Chemical Society, 2021, 143, 9429-9439.	13.7	120
65	Electronic structure regulations of single-atom site catalysts and their effects on the electrocatalytic performances. Applied Physics Reviews, 2021, 8, .	11.3	29
66	In Situ Implanting of Single Tungsten Sites into Defective UiOâ€66(Zr) by SolventâEFree Route for Efficient Oxidative Desulfurization at Room Temperature. Angewandte Chemie, 2021, 133, 20481-20487.	2.0	6
67	Fabricating polyoxometalates-stabilized single-atom site catalysts in confined space with enhanced activity for alkynes diboration. Nature Communications, 2021, 12, 4205.	12.8	69
68	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.	2.0	149
69	An Adjacent Atomic Platinum Site Enables SingleâEAtom Iron with High Oxygen Reduction Reaction Performance. Angewandte Chemie - International Edition, 2021, 60, 19262-19271.	13.8	275
70	In Situ Implanting of Single Tungsten Sites into Defective UiOâ€66(Zr) by SolventâEFree Route for Efficient Oxidative Desulfurization at Room Temperature. Angewandte Chemie - International Edition, 2021, 60, 20318-20324.	13.8	81
71	An Adjacent Atomic Platinum Site Enables SingleâEAtom Iron with High Oxygen Reduction Reaction Performance. Angewandte Chemie, 2021, 133, 19411-19420.	2.0	32
72	Rational Design of SingleâEAtom Site Electrocatalysts: From Theoretical Understandings to Practical Applications. Advanced Materials, 2021, 33, e2008151.	21.0	175

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73	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.	13.8	189
74	Frontispiece: In Situ Implanting of Single Tungsten Sites into Defective UiOâ€66(Zr) by Solventâ€Free Route for Efficient Oxidative Desulfurization at Room Temperature. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
75	Frontispiz: In Situ Implanting of Single Tungsten Sites into Defective UiOâ€66(Zr) by Solventâ€Free Route for Efficient Oxidative Desulfurization at Room Temperature. Angewandte Chemie, 2021, 133, .	2.0	0
76	Anion-exchange-mediated internal electric field for boosting photogenerated carrier separation and utilization. Nature Communications, 2021, 12, 4952.	12.8	45
77	Synthesis, Structures of <scp>2D</scp> Coordination Layers <scp>Metalâ€Organic</scp> Frameworks with Highly Selective <scp>CO₂</scp> Uptake^{â€}. Chinese Journal of Chemistry, 2021, 39, 2789-2794.	4.9	11
78	Polyoxometalateâ€Based Metalâ€“Organic Framework as Molecular Sieve for Highly Selective Semiâ€Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. Angewandte Chemie, 2021, 133, 22696-22702.	2.0	10
79	Lewis Acid Site-Promoted Single-Atomic Cu Catalyzes Electrochemical CO₂ Methanation. Nano Letters, 2021, 21, 7325-7331.	9.1	133
80	On the occasion of the 80th birthday of Professor Yitai Qian: Celebrating 60 years of innovation in solid-state chemistry and nanoscience. Nano Research, 2021, 14, 3337-3342.	10.4	1
81	Polyoxometalateâ€Based Metalâ€“Organic Framework as Molecular Sieve for Highly Selective Semiâ€Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. Angewandte Chemie - International Edition, 2021, 60, 22522-22528.	13.8	112
82	Construction of Pd-Zn dual sites to enhance the performance for ethanol electro-oxidation reaction. Nature Communications, 2021, 12, 5273.	12.8	94
83	Creating High Regioselectivity by Electronic Metalâ€“Support Interaction of a Single-Atomic-Site Catalyst. Journal of the American Chemical Society, 2021, 143, 15453-15461.	13.7	88
84	Design and structural engineering of single-atomic-site catalysts for acidic oxygen reduction reaction. Trends in Chemistry, 2021, 3, 954-968.	8.5	20
85	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO₂ Electroreduction Reaction. Angewandte Chemie, 2021, 133, 23806-23810.	2.0	22
86	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO₂ Electroreduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 23614-23618.	13.8	197
87	Electronics and coordination engineering of atomic cobalt trapped by oxygen-driven defects for efficient cathode in solar cells. Nano Energy, 2021, 89, 106365.	16.0	25
88	Carbonâ€Supported Singleâ€Atom Catalysts for Formic Acid Oxidation and Oxygen Reduction Reactions. Small, 2021, 17, e2004500.	10.0	63
89	Atomically dispersed nonmagnetic electron traps improve oxygen reduction activity of perovskite oxides. Energy and Environmental Science, 2021, 14, 1016-1028.	30.8	130
90	Non-carbon-supported single-atom site catalysts for electrocatalysis. Energy and Environmental Science, 2021, 14, 2809-2858.	30.8	198

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91	The atomic-level regulation of single-atom site catalysts for the electrochemical CO₂ reduction reaction. Chemical Science, 2021, 12, 4201-4215.	7.4	61
92	Tandem catalyzing the hydrodeoxygenation of 5-hydroxymethylfurfural over a Ni₃Fe intermetallic supported Pt single-atom site catalyst. Chemical Science, 2021, 12, 4139-4146.	7.4	33
93	Ru₁Co_n Single-Atom Alloy for Enhancing Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2021, 11, 1886-1896.	11.2	49
94	Decreasing the coordinated N atoms in a single-atom Cu catalyst to achieve selective transfer hydrogenation of alkynes. Chemical Science, 2021, 12, 14599-14605.	7.4	20
95	Synergistic Modulation of the Separation of Photoâ€Generated Carriers via Engineering of Dual Atomic Sites for Promoting Photocatalytic Performance. Advanced Materials, 2021, 33, e2105904.	21.0	117
96	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.	13.7	174
97	Isolated Single-Atom Niâ€“N₅ Catalytic Site in Hollow Porous Carbon Capsules for Efficient Lithiumâ€“Sulfur Batteries. Nano Letters, 2021, 21, 9691-9698.	9.1	167
98	Synergistically Interactive Pyridinicâ€Nâ€“MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. Angewandte Chemie - International Edition, 2020, 59, 8982-8990.	13.8	263
99	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie, 2020, 132, 1311-1317.	2.0	59
100	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie - International Edition, 2020, 59, 1295-1301.	13.8	344
101	Synergistically Interactive Pyridinicâ€Nâ€“MoP Sites: Identified Active Centers for Enhanced Hydrogen Evolution in Alkaline Solution. Angewandte Chemie, 2020, 132, 9067-9075.	2.0	45
102	Designing Atomic Active Centers for Hydrogen Evolution Electrocatalysts. Angewandte Chemie - International Edition, 2020, 59, 20794-20812.	13.8	257
103	Titania supported synergistic palladium single atoms and nanoparticles for room temperature ketone and aldehydes hydrogenation. Nature Communications, 2020, 11, 48.	12.8	223
104	Atomically dispersed Fe atoms anchored on COF-derived N-doped carbon nanospheres as efficient multi-functional catalysts. Chemical Science, 2020, 11, 786-790.	7.4	110
105	Structural Regulation with Atomic-Level Precision: From Single-Atomic Site to Diatomic and Atomic Interface Catalysis. Matter, 2020, 2, 78-110.	10.0	221
106	Well-Defined Materials for Heterogeneous Catalysis: From Nanoparticles to Isolated Single-Atom Sites. Chemical Reviews, 2020, 120, 623-682.	47.7	794
107	Science China Materials enters its sixth year. Science China Materials, 2020, 63, 1-2.	6.3	14
108	Single-atom Sn-Zn pairs in CuO catalyst promote dimethyldichlorosilane synthesis. National Science Review, 2020, 7, 600-608.	9.5	42

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109	Modifications of heterogeneous photocatalysts for hydrocarbon Câ€“H bond activation and selective conversion. Chemical Communications, 2020, 56, 13918-13932.	4.1	32
110	Identifying the Types and Characterization of the Active Sites on Mâ^'Xâ^'C Singleâ€Atom Catalysts. ChemPhysChem, 2020, 21, 2486-2496.	2.1	12
111	Controlling N-doping type in carbon to boost single-atom site Cu catalyzed transfer hydrogenation of quinoline. Nano Research, 2020, 13, 3082-3087.	10.4	215
112	Engineering of Coordination Environment and Multiscale Structure in Single-Site Copper Catalyst for Superior Electrocatalytic Oxygen Reduction. Nano Letters, 2020, 20, 6206-6214.	9.1	178
113	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.	30.8	245
114	Gramâ€Scale Synthesis of Highâ€Loading Singleâ€Atomicâ€Site Fe Catalysts for Effective Epoxidation of Styrene. Advanced Materials, 2020, 32, e2000896.	21.0	181
115	Synthetic strategies of supported atomic clusters for heterogeneous catalysis. Nature Communications, 2020, 11, 5884.	12.8	174
116	A general bottom-up synthesis of CuO-based trimetallic oxide mesocrystal superstructures for efficient catalytic production of trichlorosilane. Nano Research, 2020, 13, 2819-2827.	10.4	17
117	Atomic iron on mesoporous N-doped carbon to achieve dehydrogenation reaction at room temperature. Nano Research, 2020, 13, 3075-3081.	10.4	23
118	Single-atom site catalysts for environmental catalysis. Nano Research, 2020, 13, 3165-3182.	10.4	252
119	Atomically dispersed Ni in cadmium-zinc sulfide quantum dots for high-performance visible-light photocatalytic hydrogen production. Science Advances, 2020, 6, eaaz8447.	10.3	83
120	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.	13.7	373
121	Electronic Metalâ€“Support Interaction of Singleâ€Atom Catalysts and Applications in Electrocatalysis. Advanced Materials, 2020, 32, e2003300.	21.0	459
122	Design of a Singleâ€Atom Indium^{Î´+}â€“N₄Interface for Efficient Electroreduction of CO₂to Formate. Angewandte Chemie - International Edition, 2020, 59, 22465-22469.	13.8	232
123	Design of a Singleâ€Atom Indium Î´+ â€“N 4 Interface for Efficient Electroreduction of CO 2 to Formate. Angewandte Chemie, 2020, 132, 22651-22655.	2.0	29
124	The synthetic strategies for single atomic site catalysts based on metalâ€“organic frameworks. Nanoscale, 2020, 12, 20580-20589.	5.6	17
125	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.	13.7	184
126	Coordination structure dominated performance of single-atomic Pt catalyst for anti-Markovnikov hydroboration of alkenes. Science China Materials, 2020, 63, 972-981.	6.3	74

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127	Engineering of Electronic States on Co₃O₄ Ultrathin Nanosheets by Cation Substitution and Anion Vacancies for Oxygen Evolution Reaction. Small, 2020, 16, e2001571.	10.0	98
128	Recent progresses in the research of single-atom catalysts. Science China Materials, 2020, 63, 889-891.	6.3	52
129	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.	13.6	452
130	Single atomic site catalysts: synthesis, characterization, and applications. Chemical Communications, 2020, 56, 7687-7697.	4.1	53
131	Engineering unsymmetrically coordinated Cu-S1N3 single atom sites with enhanced oxygen reduction activity. Nature Communications, 2020, 11, 3049.	12.8	537
132	Au@Pt Nanotubes within CoZn-Based Metal-Organic Framework for Highly Efficient Semi-hydrogenation of Acetylene. IScience, 2020, 23, 101233.	4.1	12
133	Atomic Thickness Catalysts: Synthesis and Applications. Small Methods, 2020, 4, 2000248.	8.6	32
134	Engineering Isolated Mnâ€“N₂C₂ Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. Nano Letters, 2020, 20, 5443-5450.	9.1	249
135	Atomic-scale engineering of chemical-vapor-deposition-grown 2D transition metal dichalcogenides for electrocatalysis. Energy and Environmental Science, 2020, 13, 1593-1616.	30.8	166
136	Rareâ€Earth Single Erbium Atoms for Enhanced Photocatalytic CO₂ Reduction. Angewandte Chemie, 2020, 132, 10738-10744.	2.0	49
137	Rareâ€Earth Single Erbium Atoms for Enhanced Photocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2020, 59, 10651-10657.	13.8	314
138	Fabricating Pd isolated single atom sites on C3N4/rGO for heterogenization of homogeneous catalysis. Nano Research, 2020, 13, 947-951.	10.4	65
139	Facet engineering in metal organic frameworks to improve their electrochemical activity for water oxidation. Chemical Communications, 2020, 56, 4316-4319.	4.1	32
140	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. Nature Nanotechnology, 2020, 15, 390-397.	31.5	420
141	Chemical Synthesis of Single Atomic Site Catalysts. Chemical Reviews, 2020, 120, 11900-11955.	47.7	806
142	Modulating the local coordination environment of single-atom catalysts for enhanced catalytic performance. Nano Research, 2020, 13, 1842-1855.	10.4	532
143	Atomic site electrocatalysts for water splitting, oxygen reduction and selective oxidation. Chemical Society Reviews, 2020, 49, 2215-2264.	38.1	582
144	Single atom alloy: An emerging atomic site material for catalytic applications. Nano Today, 2020, 34, 100917.	11.9	91

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145	MOF derived high-density atomic platinum heterogeneous catalyst for Câ€“H bond activation. Materials Chemistry Frontiers, 2020, 4, 1158-1163.	5.9	19
146	Single-Atom Au^Iâ€“N₃ Site for Acetylene Hydrochlorination Reaction. ACS Catalysis, 2020, 10, 1865-1870.	11.2	76
147	Tuning Polarity of Cu-O Bond in Heterogeneous Cu Catalyst to Promote Additive-free Hydroboration of Alkynes. CheM, 2020, 6, 725-737.	11.7	87
148	Design aktiver atomarer Zentren fÃ¼r HERâ€Elektrokatalysatoren. Angewandte Chemie, 2020, 132, 20978-20998.	2.0	18
149	Single-atom catalysis enables long-life, high-energy lithium-sulfur batteries. Nano Research, 2020, 13, 1856-1866.	10.4	257
150	Adsorption Site Regulation to Guide Atomic Design of Niâ€“Ga Catalysts for Acetylene Semiâ€Hydrogenation. Angewandte Chemie - International Edition, 2020, 59, 11647-11652.	13.8	111
151	Adsorption Site Regulation to Guide Atomic Design of Niâ€“Ga Catalysts for Acetylene Semiâ€Hydrogenation. Angewandte Chemie, 2020, 132, 11744-11749.	2.0	31
152	Isolated Ni Atoms Dispersed on Ru Nanosheets: High-Performance Electrocatalysts toward Hydrogen Oxidation Reaction. Nano Letters, 2020, 20, 3442-3448.	9.1	172
153	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.	13.7	259
154	Structure and Stability of the (001) Surface of Co₃O₄. Journal of Physical Chemistry C, 2020, 124, 25790-25795.	3.1	13
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