Zheng Jiang

List of Publications by Year
in descending order

240 papers	26,854 citations	10389 72 h-index	6471 157 g-index
249 all docs	249 docs citations	249 times ranked	20717 citing authors

#	Article	IF	Citations
1	Operando HERFD-XANES and surface sensitive Î”Î¼ analyses identify the structural evolution of copper(II) phthalocyanine for electroreduction of CO2. Journal of Energy Chemistry, 2022, 64, 1-7.	12.9	27
2	Highly Ethyleneâ€Selective Electrocatalytic CO₂ Reduction Enabled by Isolated Cuâ‚S Motifs in Metalâ€“Organic Framework Based Precatalysts. Angewandte Chemie, 2022, 134, .	2.0	5
3	Highly Ethyleneâ€Selective Electrocatalytic CO₂ Reduction Enabled by Isolated Cuâ‚S Motifs in Metalâ€“Organic Framework Based Precatalysts. Angewandte Chemie - International Edition, 2022, 61, .	13.8	81
4	Selective methane electrosynthesis enabled by a hydrophobic carbon coated copper coreâ€“shell architecture. Energy and Environmental Science, 2022, 15, 234-243.	30.8	51
5	Benzyl-rich ligand engineering of the photostability of atomically precise gold nanoclusters. Chemical Communications, 2022, , .	4.1	1
6	Enhanced hydrogen generation by reverse spillover effects over bicomponent catalysts. Nature Communications, 2022, 13, 118.	12.8	44
7	High-loaded sub-6 nm Pt1Co1 intermetallic compounds with highly efficient performance expression in PEMFCs. Energy and Environmental Science, 2022, 15, 278-286.	30.8	81
8	Antisintering Pd₁ Catalyst for Propane Direct Dehydrogenation with In Situ Active Sites Regeneration Ability. ACS Catalysis, 2022, 12, 2244-2252.	11.2	23
9	Interfacial-confined coordination to single-atom nanotherapeutics. Nature Communications, 2022, 13, 91.	12.8	49
10	Few-Atom Pt Ensembles Enable Efficient Catalytic Cyclohexane Dehydrogenation for Hydrogen Production. Journal of the American Chemical Society, 2022, 144, 3535-3542.	13.7	72
11	A Universal Singleâ€Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. Angewandte Chemie, 2022, 134, .	2.0	9
12	A Universal Singleâ€Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	34
13	A fully-conjugated covalent organic framework-derived carbon supporting ultra-close single atom sites for ORR. Applied Catalysis B: Environmental, 2022, 307, 121147.	20.2	42
14	Confining single Pt atoms from Pt clusters on multi-armed CdS for enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2022, 10, 4594-4600.	10.3	43
15	Pt-O4 moiety induced electron localization toward In2O-Triggered acetylene Semi-Hydrogenation. Journal of Catalysis, 2022, 407, 290-299.	6.2	9
16	Ru ions enhancing the interface bonding between the Pt nanoparticle catalyst and perovskite support for super anti-sintering performance. Journal of Materials Chemistry A, 2022, 10, 8227-8237.	10.3	2
17	Constructing Synergistic Znâ€N₄ and Feâ€N₄O Dualâ€Sites from the COF@MOF Derived Hollow Carbon for Oxygen Reduction Reaction. Small Structures, 2022, 3, .	12.0	46
18	Tandem Catalysis for Selective Oxidation of Methane to Oxygenates Using Oxygen over PdCu/Zeolite. Angewandte Chemie - International Edition, 2022, 61, .	13.8	27

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19	Sulfur-Promoted Hydrocarboxylation of Olefins on Heterogeneous Single-Rh-Site Catalysts. ACS Catalysis, 2022, 12, 4203-4215.	11.2	13
20	A Magnetically Separable Pd Singleâ€Atom Catalyst for Efficient Selective Hydrogenation of Phenylacetylene. Advanced Materials, 2022, 34, e2110455.	21.0	44
21	Tandem Catalysis for Selective Oxidation of Methane to Oxygenates Using Oxygen over PdCu/Zeolite. Angewandte Chemie, 2022, 134, .	2.0	2
22	Enhanced dissociation activation of CO2 on the Bi/Cu(1 1 1) interface by the synergistic effect. Journal of Catalysis, 2022, 410, 1-9.	6.2	8
23	Synergistic Engineering of Sulfur Vacancies and Heterointerfaces in Copper Sulfide Anodes for Aqueous Znâ€ion Batteries with Fast Diffusion Kinetics and an Ultralong Lifespan. Advanced Energy Materials, 2022, 12, .	19.5	39
24	Facet-Induced Strong Metal Chlorideâ^'Support Interaction over CuCl₂/Î³-Al₂O₃ Catalyst to Enhance Ethylene Oxychlorination Performance. ACS Catalysis, 2022, 12, 8027-8037.	11.2	9
25	Introducing Coâ€“O Moiety to Coâ€“Nâ€“C Single-Atom Catalyst for Ethylbenzene Dehydrogenation. ACS Catalysis, 2022, 12, 7760-7772.	11.2	23
26	CoN₅ Sites Constructed by Anchoring Co Porphyrins on Vinyleneâ€Linked Covalent Organic Frameworks for Electroreduction of Carbon Dioxide. Small, 2022, 18, .	10.0	23
27	In Situ-Activated Indium Nanoelectrocatalysts for Highly Active and Selective CO₂ Electroreduction around the Thermodynamic Potential. ACS Catalysis, 2022, 12, 8601-8609.	11.2	33
28	Unraveling the Potential-Dependent Volcanic Selectivity Changes of an Atomically Dispersed Ni Catalyst During CO₂ Reduction. ACS Catalysis, 2022, 12, 8676-8686.	11.2	16
29	Carbon-encapsulated metallic Co nanoparticles for Fischer-Tropsch to olefins with low CO2 selectivity. Applied Catalysis B: Environmental, 2022, 316, 121700.	20.2	8
30	Fluorination-enabled Reconstruction of NiFe Electrocatalysts for Efficient Water Oxidation. Nano Letters, 2021, 21, 492-499.	9.1	190
31	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithiumâ€“Sulfur Batteries. Nano Letters, 2021, 21, 700-708.	9.1	60
32	Hierarchical confinement of PtZn alloy nanoparticles and single-dispersed Zn atoms on COF@MOF-derived carbon towards efficient oxygen reduction reaction. Journal of Materials Chemistry A, 2021, 9, 13625-13630.	10.3	33
33	Ru single atoms for efficient chemoselective hydrogenation of nitrobenzene to azoxybenzene. Green Chemistry, 2021, 23, 4753-4761.	9.0	35
34	Promoted alkaline hydrogen evolution by an N-doped Ptâ€“Ru single atom alloy. Journal of Materials Chemistry A, 2021, 9, 14941-14947.	10.3	39
35	Construction of defect-engineered three-dimensionally ordered macroporous WO₃ for efficient photocatalytic water oxidation reaction. Journal of Materials Chemistry A, 2021, 9, 3036-3043.	10.3	32
36	A stable low-temperature H2-production catalyst by crowding Pt on Î±-MoC. Nature, 2021, 589, 396-401.	27.8	290

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37	Initiating Ullmann-like coupling of Br2Py by a semimetal surface. Scientific Reports, 2021, 11, 3414.	3.3	9
38	Atomic Design and Fine-Tuning of Subnanometric Pt Catalysts to Tame Hydrogen Generation. ACS Catalysis, 2021, 11, 4146-4156.	11.2	52
39	High-voltage asymmetric metalâ€“air batteries based on polymeric single-Zn2+-ion conductor. Matter, 2021, 4, 1287-1304.	10.0	34
40	Regulating coordination number in atomically dispersed Pt species on defect-rich graphene for n-butane dehydrogenation reaction. Nature Communications, 2021, 12, 2664.	12.8	111
41	Highly Selective Acetylene Semihydrogenation Catalyst with an Operation Window Exceeding 150 Â°C. ACS Catalysis, 2021, 11, 6073-6080.	11.2	33
42	Interface interaction induced oxygen activation of cactus-like Co3O4/OMS-2 nanorod catalysts in situ grown on monolithic cordierite for diesel soot combustion. Applied Catalysis B: Environmental, 2021, 286, 119932.	20.2	38
43	InnenrÃ¼cktitelbild: Boosting Photocatalytic Water Oxidation Over Bifunctional Rh⁰â€Rh³⁺ Sites (Angew. Chem. 42/2021). Angewandte Chemie, 2021, 133, 23211-23211.	2.0	0
44	Boosting Photocatalytic Water Oxidation Over Bifunctional Rh 0 â€Rh 3+ Sites. Angewandte Chemie, 2021, 133, 22943.	2.0	2
45	Iodide-Coordinated Single-Site Pd Catalysts for Alkyne Dialkoxycarbonylation. ACS Catalysis, 2021, 11, 9242-9251.	11.2	23
46	Boosting Photocatalytic Water Oxidation Over Bifunctional Rh⁰â€Rh³⁺ Sites. Angewandte Chemie - International Edition, 2021, 60, 22761-22768.	13.8	19
47	In Situ X-ray Absorption Near-Edge Structure Calculation and Machine Learning Analysis of the Structural Evolution in Lithium-Ion Battery Cathode Materials. Journal of Physical Chemistry C, 2021, 125, 18979-18987.	3.1	8
48	Confined Ir single sites with triggered lattice oxygen redox: Toward boosted and sustained water oxidation catalysis. Joule, 2021, 5, 2164-2176.	24.0	183
49	Interfacial Proton Transfer for Hydrogen Evolution at the Sub-Nanometric Platinum/Electrolyte Interface. ACS Applied Materials & Interfaces, 2021, 13, 47252-47261.	8.0	4
50	Biocompatible Ruthenium Single-Atom Catalyst for Cascade Enzyme-Mimicking Therapy. ACS Applied Materials & Interfaces, 2021, 13, 45269-45278.	8.0	41
51	Cooperative Sites in Fully Exposed Pd Clusters for Low-Temperature Direct Dehydrogenation Reaction. ACS Catalysis, 2021, 11, 11469-11477.	11.2	51
52	Ni Hollow Fiber Encapsulated Bi@Zeolite for Efficient CO₂ Electroreduction. ACS Applied Energy Materials, 2021, 4, 8933-8940.	5.1	7
53	Grafting nanometer metal/oxide interface towards enhanced low-temperature acetylene semi-hydrogenation. Nature Communications, 2021, 12, 5770.	12.8	43
54	Low temperature surface oxygen activation in crystalline MnO2 triggered by lattice confined Pd single atoms. Journal of Energy Chemistry, 2021, 62, 136-144.	12.9	19

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55	Exploring the CO2 reduction reaction mechanism on Pt/TiO2 with the ambient-pressure X-ray photoelectron spectroscopy. Applied Surface Science, 2021, 568, 150933.	6.1	4
56	Rational design of edges of covalent organic networks for catalyzing hydrogen peroxide production. Applied Catalysis B: Environmental, 2021, 298, 120605.	20.2	29
57	Defective C3N4 frameworks coordinated diatomic copper catalyst: Towards mild oxidation of methane to C1 oxygenates. Applied Catalysis B: Environmental, 2021, 299, 120682.	20.2	32
58	Surface oxygen vacancies promoted Pt redispersion to single-atoms for enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 13890-13897.	10.3	38
59	Simultaneous oxidative and reductive reactions in one system by atomic design. Nature Catalysis, 2021, 4, 134-143.	34.4	132
60	Constructing Efficient Single Rh Sites on Activated Carbon via Surface Carbonyl Groups for Methanol Carbonylation. ACS Catalysis, 2021, 11, 682-690.	11.2	19
61	Atomically Dispersed Ni/Î±-MoC Catalyst for Hydrogen Production from Methanol/Water. Journal of the American Chemical Society, 2021, 143, 309-317.	13.7	168
62	Single-atom Ru catalyst for selective synthesis of 3-pentanone via ethylene hydroformylation. Green Chemistry, 2021, 23, 9038-9047.	9.0	14
63	Proton exchange membrane fuel cells powered with both CO and H ₂. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	33
64	A Superlattice-Stabilized Layered CuS Anode for High-Performance Aqueous Zinc-Ion Batteries. ACS Nano, 2021, 15, 17748-17756.	14.6	62
65	COâ€Tolerant PEMFC Anodes Enabled by Synergistic Catalysis between Iridium Singleâ€Atom Sites and Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 26177-26183.	13.8	81
66	COâ€Tolerant PEMFC Anodes Enabled by Synergistic Catalysis between Iridium Singleâ€Atom Sites and Nanoparticles. Angewandte Chemie, 2021, 133, 26381.	2.0	9
67	Molecular-level insights into the electronic effects in platinum-catalyzed carbon monoxide oxidation. Nature Communications, 2021, 12, 6888.	12.8	18
68	In-situ reconstructed Ru atom array on Î±-MnO2 with enhanced performance for acidic water oxidation. Nature Catalysis, 2021, 4, 1012-1023.	34.4	324
69	An Engineered Superhydrophilic/Superaerophobic Electrocatalyst Composed of the Supported CoMoS_x Chalcogel for Overall Water Splitting. Angewandte Chemie, 2020, 132, 1676-1682.	2.0	12
70	Effects of cobalt carbide on Fischerâ€“Tropsch synthesis with MnO supported Co-based catalysts. Journal of Energy Chemistry, 2020, 42, 227-232.	12.9	8
71	Understanding oxygen vacancies in disorder-engineered surface and subsurface of CaTiO3 nanosheets on photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2020, 267, 118378.	20.2	86
72	An Engineered Superhydrophilic/Superaerophobic Electrocatalyst Composed of the Supported CoMoS_x Chalcogel for Overall Water Splitting. Angewandte Chemie - International Edition, 2020, 59, 1659-1665.	13.8	268

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73	Optimizing Electron Densities of Niâ€Nâ€C Complexes by Hybrid Coordination for Efficient Electrocatalytic CO₂ Reduction. ChemSusChem, 2020, 13, 929-937.	6.8	76
74	Atomicâ€Level Feâ€Nâ€C Coupled with Fe₃Câ€Fe Nanocomposites in Carbon Matrixes as Highâ€Efficiency Bifunctional Oxygen Catalysts. Small, 2020, 16, e1906057.	10.0	90
75	A wavelengthâ€dispersive Xâ€ray spectrometer for in/ex situ resonant inelastic Xâ€ray scattering studies. X-Ray Spectrometry, 2020, 49, 251-259.	1.4	5
76	Frontispiz: Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie, 2020, 132, .	2.0	0
77	Cu single-atoms embedded in porous carbon nitride for selective oxidation of methane to oxygenates. Chemical Communications, 2020, 56, 14677-14680.	4.1	37
78	Direct and Efficient Synthesis of Clean H₂O₂ from CO-Assisted Aqueous O₂ Reduction. ACS Catalysis, 2020, 10, 13993-14005.	11.2	9
79	Graphitic phosphorus coordinated single Fe atoms for hydrogenative transformations. Nature Communications, 2020, 11, 4074.	12.8	122
80	In situ tuning of electronic structure of catalysts using controllable hydrogen spillover for enhanced selectivity. Nature Communications, 2020, 11, 4773.	12.8	81
81	2D-organic framework confined metal single atoms with the loading reaching the theoretical limit. Materials Horizons, 2020, 7, 2726-2733.	12.2	26
82	Frontispiece: Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, .	13.8	5
83	Conjugated Covalent Organic Frameworks as Platinum Nanoparticle Supports for Catalyzing the Oxygen Reduction Reaction. Chemistry of Materials, 2020, 32, 9747-9752.	6.7	68
84	Electrocatalytic reduction of CO2 to ethylene and ethanol through hydrogen-assisted Câ€“C coupling over fluorine-modified copper. Nature Catalysis, 2020, 3, 478-487.	34.4	788
85	Bridge Bonded Oxygen Ligands between Approximated FeN₄ Sites Confer Catalysts with High ORR Performance. Angewandte Chemie, 2020, 132, 14027-14032.	2.0	40
86	Bridge Bonded Oxygen Ligands between Approximated FeN₄ Sites Confer Catalysts with High ORR Performance. Angewandte Chemie - International Edition, 2020, 59, 13923-13928.	13.8	176
87	An In Situ Formed Surface Coating Layer Enabling LiCoO₂ with Stable 4.6 V Highâ€Voltage Cycle Performances. Advanced Energy Materials, 2020, 10, 2001413.	19.5	201
88	Dopamine sacrificial coating strategy driving formation of highly active surface-exposed Ru sites on Ru/TiO2 catalysts in Fischerâ€“Tropsch synthesis. Applied Catalysis B: Environmental, 2020, 278, 119261.	20.2	31
89	Covalent Triazine Framework Confined Copper Catalysts for Selective Electrochemical CO₂ Reduction: Operando Diagnosis of Active Sites. ACS Catalysis, 2020, 10, 4534-4542.	11.2	112
90	Direct Synthesis of Semimetal Phthalocyanines on a Surface with Insights into Interfacial Properties. Journal of Physical Chemistry C, 2020, 124, 8247-8256.	3.1	3

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91	Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 19450-19459.	13.8	221
92	A novel self-assembly approach for synthesizing nanofiber aerogel supported platinum single atoms. Journal of Materials Chemistry A, 2020, 8, 15094-15102.	10.3	5
93	Distribution of Spin Density on Phenoxyl Radicals Affects the Selectivity of Aerobic Oxygenation of Phenols. Inorganic Chemistry, 2020, 59, 3562-3569.	4.0	8
94	Reactant friendly hydrogen evolution interface based on di-anionic MoS2 surface. Nature Communications, 2020, 11, 1116.	12.8	108
95	Manipulating spin polarization of titanium dioxide for efficient photocatalysis. Nature Communications, 2020, 11, 418.	12.8	252
96	Highâ€Valence Nickel Singleâ€Atom Catalysts Coordinated to Oxygen Sites for Extraordinarily Activating Oxygen Evolution Reaction. Advanced Science, 2020, 7, 1903089.	11.2	182
97	Preparation and regeneration of supported single-Ir-site catalysts by nanoparticle dispersion via CO and nascent I radicals. Journal of Catalysis, 2020, 382, 347-357.	6.2	13
98	Selectivity Regulation in Au-Catalyzed Nitroaromatic Hydrogenation by Anchoring Single-Site Metal Oxide Promoters. ACS Catalysis, 2020, 10, 2837-2844.	11.2	42
99	Subnanometer Bimetallic Platinumâ€“Zinc Clusters in Zeolites for Propane Dehydrogenation. Angewandte Chemie, 2020, 132, 19618-19627.	2.0	47
100	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
101	Adsorption Site Regulation to Guide Atomic Design of Niâ€“Ga Catalysts for Acetylene Semiâ€Hydrogenation. Angewandte Chemie, 2020, 132, 11744-11749.	2.0	31
102	Tuning the interfaces of Coâ€“Co2C with sodium and its relation to the higher alcohol production in Fischerâ€“Tropsch synthesis. Journal of Materials Science, 2020, 55, 9037-9047.	3.7	10
103	Oxygen Vacancy Tuning toward Efficient Electrocatalytic CO₂ Reduction to C₂H₄. Small Methods, 2019, 3, 1800449.	8.6	146
104	Characterization of CoMn catalyst by in situ X-ray absorption spectroscopy and wavelet analysis for Fischerâ€“Tropsch to olefins reaction. Journal of Energy Chemistry, 2019, 32, 118-123.	12.9	31
105	Identifying Oxygen Activation/Oxidation Sites for Efficient Soot Combustion over Silver Catalysts Interacted with Nanoflower-Like Hydrotalcite-Derived CoAlO Metal Oxides. ACS Catalysis, 2019, 9, 8772-8784.	11.2	77
106	Grain-boundary corrosion of nickel-based alloy by synchrotron radiation technology. Surface Innovations, 2019, 7, 278-283.	2.3	3
107	Epitaxial Growth of Free-Standing Bismuth Film on Graphene Embedded with Nontrivial Properties. ACS Applied Electronic Materials, 2019, 1, 1817-1824.	4.3	12
108	An active, selective, and stable manganese oxide-supported atomic Pd catalyst for aerobic oxidation of 5-hydroxymethylfurfural. Green Chemistry, 2019, 21, 4194-4203.	9.0	45

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109	Electronic structures of ultra-thin tellurium nanoribbons. Nanoscale, 2019, 11, 14134-14140.	5.6	12
110	Singleâ€Atom Crâ^'N₄ Sites Designed for Durable Oxygen Reduction Catalysis in Acid Media. Angewandte Chemie, 2019, 131, 12599-12605.	2.0	29
111	Singleâ€Atom Crâ^'N₄ Sites Designed for Durable Oxygen Reduction Catalysis in Acid Media. Angewandte Chemie - International Edition, 2019, 58, 12469-12475.	13.8	307
112	Overwhelming the Performance of Single Atoms with Atomic Clusters for Platinum-Catalyzed Hydrogen Evolution. ACS Catalysis, 2019, 9, 8213-8223.	11.2	68
113	Low Temperature Oxidation of Ethane to Oxygenates by Oxygen over Iridium-Cluster Catalysts. Journal of the American Chemical Society, 2019, 141, 18921-18925.	13.7	72
114	Dynamic oxygen adsorption on single-atomic Ruthenium catalyst with high performance for acidic oxygen evolution reaction. Nature Communications, 2019, 10, 4849.	12.8	416
115	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS₂ Arrays for Highâ€Efficiency Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 16289-16296.	13.8	201
116	XAFS and SRGI-XRD studies of the local structure of tellurium corrosion of Niâ€"18%Cr alloy. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	9
117	Climbing the Apex of the ORR Volcano Plot via Binuclear Site Construction: Electronic and Geometric Engineering. Journal of the American Chemical Society, 2019, 141, 17763-17770.	13.7	436
118	Revealing the Adsorption and Decomposition of EP-PTCDI on a Cerium Oxide Surface. ACS Omega, 2019, 4, 17939-17946.	3.5	3
119	Dualâ€Ionically Bound Singleâ€Site Rhodium on Porous Ionic Polymer Rivals Commercial Methanol Carbonylation Catalysts. Advanced Materials, 2019, 31, e1904976.	21.0	26
120	Recent Progress with In Situ Characterization of Interfacial Structures under a Solidâ€"Gas Atmosphere by HP-STM and AP-XPS. Materials, 2019, 12, 3674.	2.9	6
121	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS 2 Arrays for Highâ€Efficiency Hydrogen Evolution Reaction. Angewandte Chemie, 2019, 131, 16435-16442.	2.0	16
122	Chromium-ruthenium oxide solid solution electrocatalyst for highly efficient oxygen evolution reaction in acidic media. Nature Communications, 2019, 10, 162.	12.8	396
123	Anchoring Cu1 species over nanodiamond-graphene for semi-hydrogenation of acetylene. Nature Communications, 2019, 10, 4431.	12.8	224
124	Achieving efficient and robust catalytic reforming on dual-sites of Cu species. Chemical Science, 2019, 10, 2578-2584.	7.4	56
125	Achieving an exceptionally high loading of isolated cobalt single atoms on a porous carbon matrix for efficient visible-light-driven photocatalytic hydrogen production. Chemical Science, 2019, 10, 2585-2591.	7.4	50
126	Ring-Opening Transformation of 5-Hydroxymethylfurfural Using a Golden Single-Atomic-Site Palladium Catalyst. ACS Catalysis, 2019, 9, 6212-6222.	11.2	60

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127	Two-Step Carbothermal Welding To Access Atomically Dispersed Pd₁ on Three-Dimensional Zirconia Nanonet for Direct Indole Synthesis. Journal of the American Chemical Society, 2019, 141, 10590-10594.	13.7	108
128	Carbon vacancy defect-activated Pt cluster for hydrogen generation. Journal of Materials Chemistry A, 2019, 7, 15364-15370.	10.3	57
129	Generating Defectâ€Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. Angewandte Chemie - International Edition, 2019, 58, 9464-9469.	13.8	226
130	Generating Defectâ€Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. Angewandte Chemie, 2019, 131, 9564-9569.	2.0	47
131	Structural Transformation of 2,7â€Dibromopyrene on Au(111) Mediated by Halogenâ€Bonding Motifs. ChemPhysChem, 2019, 20, 2376-2381.	2.1	10
132	In situ XAFS study on the formation process of cobalt carbide by Fischerâ€“Tropsch reaction. Physical Chemistry Chemical Physics, 2019, 21, 10791-10797.	2.8	18
133	Tin-Assisted Fully Exposed Platinum Clusters Stabilized on Defect-Rich Graphene for Dehydrogenation Reaction. ACS Catalysis, 2019, 9, 5998-6005.	11.2	150
134	Microstructure Evolution of a Co/MnO Catalyst for Fischerâ€Tropsch Synthesis Revealed by In Situ XAFS Studies. ChemCatChem, 2019, 11, 2187-2194.	3.7	5
135	Stabilization of layered manganese oxide by substitutional cation doping. Journal of Materials Chemistry A, 2019, 7, 7118-7127.	10.3	14
136	Tuning interaction between cobalt catalysts and nitrogen dopants in carbon nanospheres to promote Fischer-Tropsch synthesis. Applied Catalysis B: Environmental, 2019, 248, 73-83.	20.2	58
137	A highly CO-tolerant atomically dispersed Pt catalyst for chemoselective hydrogenation. Nature Nanotechnology, 2019, 14, 354-361.	31.5	292
138	Promoting electrocatalytic CO2 reduction to formate via sulfur-boosting water activation on indium surfaces. Nature Communications, 2019, 10, 892.	12.8	446
139	In situ formation of mononuclear complexes by reaction-induced atomic dispersion of supported noble metal nanoparticles. Nature Communications, 2019, 10, 5281.	12.8	57
140	An Isolated Zincâ€“Cobalt Atomic Pair for Highly Active and Durable Oxygen Reduction. Angewandte Chemie - International Edition, 2019, 58, 2622-2626.	13.8	494
141	Constructing Mononuclear Palladium Catalysts by Precoordination/Solvothermal Polymerization: Recyclable Catalyst for Regioselective Oxidative Heck Reactions. Angewandte Chemie - International Edition, 2019, 58, 2448-2453.	13.8	64
142	Constructing Mononuclear Palladium Catalysts by Precoordination/Solvothermal Polymerization: Recyclable Catalyst for Regioselective Oxidative Heck Reactions. Angewandte Chemie, 2019, 131, 2470-2475.	2.0	7
143	Increasing the activity and selectivity of Co-based FTS catalysts supported by carbon materials for direct synthesis of clean fuels by the addition of chromium. Journal of Catalysis, 2019, 370, 251-264.	6.2	30
144	Oneâ€Pot Synthesis of a Highly Active 3â€Dimensional Feâ€“N_xâ€“CNTs/rGO Composite Catalyst for Oxygen Reduction. ChemElectroChem, 2019, 6, 504-513.	3.4	4

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145	Particle Size Effects of Cobalt Carbide for Fischerâ€“Tropsch to Olefins. ACS Catalysis, 2019, 9, 798-809.	11.2	45
146	Carbonâ€Supported Divacancyâ€Anchored Platinum Singleâ€Atom Electrocatalysts with Superhigh Pt Utilization for the Oxygen Reduction Reaction. Angewandte Chemie, 2019, 131, 1175-1179.	2.0	73
147	Carbonâ€Supported Divacancyâ€Anchored Platinum Singleâ€Atom Electrocatalysts with Superhigh Pt Utilization for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2019, 58, 1163-1167.	13.8	252
148	Probe active sites of heterogeneous electrocatalysts by X-ray absorption spectroscopy: From single atom to complex multi-element composites. Current Opinion in Electrochemistry, 2019, 14, 7-15.	4.8	22
149	Microporous Framework Induced Synthesis of Single-Atom Dispersed Fe-N-C Acidic ORR Catalyst and Its in Situ Reduced Fe-N₄ Active Site Identification Revealed by X-ray Absorption Spectroscopy. ACS Catalysis, 2018, 8, 2824-2832.	11.2	433
150	Trifunctional C@MnO Catalyst for Enhanced Stable Simultaneously Catalytic Removal of Formaldehyde and Ozone. ACS Catalysis, 2018, 8, 3164-3180.	11.2	80
151	Design of wide-range energy material beamline at the Shanghai Synchrotron Radiation Facility. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	4
152	Identification of binuclear Co2N5 active sites for oxygen reduction reaction with more than one magnitude higher activity than single atom CoN4 site. Nano Energy, 2018, 46, 396-403.	16.0	319
153	Comprehensive Understanding of the Spatial Configurations of CeO₂ in NiO for the Electrocatalytic Oxygen Evolution Reaction: Embedded or Surfaceâ€Loaded. Advanced Functional Materials, 2018, 28, 1706056.	14.9	141
154	Nâ€Modified NiO Surface for Superior Alkaline Hydrogen Evolution. ChemSusChem, 2018, 11, 1020-1024.	6.8	12
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