

Zheng Jiang

List of Publications by Year in descending order

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240
papers

26,854
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10351

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docs citations

249
times ranked

20717
citing authors

#	ARTICLE	IF	CITATIONS
1	Operando HERFD-XANES and surface sensitive XPS analyses identify the structural evolution of copper(II) phthalocyanine for electroreduction of CO_2 . <i>Journal of Energy Chemistry</i> , 2022, 64, 1-7.	7.1	27
2	Highly Ethylene-Selective Electrocatalytic CO_2 Reduction Enabled by Isolated Cu^{I} Motifs in Metal-Organic Framework Based Precatalysts. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
3	Highly Ethylene-Selective Electrocatalytic CO_2 Reduction Enabled by Isolated Cu^{I} Motifs in Metal-Organic Framework Based Precatalysts. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	81
4	Selective methane electrosynthesis enabled by a hydrophobic carbon coated copper core-shell architecture. <i>Energy and Environmental Science</i> , 2022, 15, 234-243.	15.6	51
5	Benzyl-rich ligand engineering of the photostability of atomically precise gold nanoclusters. <i>Chemical Communications</i> , 2022, , .	2.2	1
6	Enhanced hydrogen generation by reverse spillover effects over bicomponent catalysts. <i>Nature Communications</i> , 2022, 13, 118.	5.8	44
7	High-loaded sub-6 nm Pt_1Co_1 intermetallic compounds with highly efficient performance expression in PEMFCs. <i>Energy and Environmental Science</i> , 2022, 15, 278-286.	15.6	81
8	Antisintering Pd_1 Catalyst for Propane Direct Dehydrogenation with In Situ Active Sites Regeneration Ability. <i>ACS Catalysis</i> , 2022, 12, 2244-2252.	5.5	23
9	Interfacial-confined coordination to single-atom nanotherapeutics. <i>Nature Communications</i> , 2022, 13, 91.	5.8	49
10	Few-Atom Pt Ensembles Enable Efficient Catalytic Cyclohexane Dehydrogenation for Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2022, 144, 3535-3542.	6.6	72
11	A Universal Single-Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
12	A Universal Single-Atom Coating Strategy Based on Tannic Acid Chemistry for Multifunctional Heterogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	34
13	A fully-conjugated covalent organic framework-derived carbon supporting ultra-close single atom sites for ORR. <i>Applied Catalysis B: Environmental</i> , 2022, 307, 121147.	10.8	42
14	Confining single Pt atoms from Pt clusters on multi-armed CdS for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4594-4600.	5.2	43
15	Pt-O ₄ moiety induced electron localization toward In_2O_3 -Triggered acetylene Semi-Hydrogenation. <i>Journal of Catalysis</i> , 2022, 407, 290-299.	3.1	9
16	Ru ions enhancing the interface bonding between the Pt nanoparticle catalyst and perovskite support for super anti-sintering performance. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8227-8237.	5.2	2
17	Constructing Synergistic Zn_4 and Fe_4O Dual-Sites from the COF@MOF Derived Hollow Carbon for Oxygen Reduction Reaction. <i>Small Structures</i> , 2022, 3, .	6.9	46
18	Tandem Catalysis for Selective Oxidation of Methane to Oxygenates Using Oxygen over PdCu/Zeolite. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	27

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19	Sulfur-Promoted Hydrocarboxylation of Olefins on Heterogeneous Single-Rh-Site Catalysts. ACS Catalysis, 2022, 12, 4203-4215.	5.5	13
20	A Magnetically Separable Pd Single-Atom Catalyst for Efficient Selective Hydrogenation of Phenylacetylene. Advanced Materials, 2022, 34, e2110455.	11.1	44
21	Tandem Catalysis for Selective Oxidation of Methane to Oxygenates Using Oxygen over PdCu/Zeolite. Angewandte Chemie, 2022, 134, .	1.6	2
22	Enhanced dissociation activation of CO ₂ on the Bi/Cu(1 1 1) interface by the synergistic effect. Journal of Catalysis, 2022, 410, 1-9.	3.1	8
23	Synergistic Engineering of Sulfur Vacancies and Heterointerfaces in Copper Sulfide Anodes for Aqueous Zn-Ion Batteries with Fast Diffusion Kinetics and an Ultralong Lifespan. Advanced Energy Materials, 2022, 12, .	10.2	39
24	Facet-Induced Strong Metal Chloride-Support Interaction over CuCl ₂ /Al ₂ O ₃ Catalyst to Enhance Ethylene Oxychlorination Performance. ACS Catalysis, 2022, 12, 8027-8037.	5.5	9
25	Introducing Co-O Moiety to Co-N-C Single-Atom Catalyst for Ethylbenzene Dehydrogenation. ACS Catalysis, 2022, 12, 7760-7772.	5.5	23
26	Co ₅ Sites Constructed by Anchoring Co Porphyrins on Vinylene-Linked Covalent Organic Frameworks for Electroreduction of Carbon Dioxide. Small, 2022, 18, .	5.2	23
27	In Situ-Activated Indium Nanoelectrocatalysts for Highly Active and Selective CO ₂ Electroreduction around the Thermodynamic Potential. ACS Catalysis, 2022, 12, 8601-8609.	5.5	33
28	Unraveling the Potential-Dependent Volcanic Selectivity Changes of an Atomically Dispersed Ni Catalyst During CO ₂ Reduction. ACS Catalysis, 2022, 12, 8676-8686.	5.5	16
29	Carbon-encapsulated metallic Co nanoparticles for Fischer-Tropsch to olefins with low CO ₂ selectivity. Applied Catalysis B: Environmental, 2022, 316, 121700.	10.8	8
30	Fluorination-enabled Reconstruction of NiFe Electrocatalysts for Efficient Water Oxidation. Nano Letters, 2021, 21, 492-499.	4.5	190
31	Sub-nanometric Manganous Oxide Clusters in Nitrogen Doped Mesoporous Carbon Nanosheets for High-Performance Lithium-Sulfur Batteries. Nano Letters, 2021, 21, 700-708.	4.5	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.	5.2	33
33	Ru single atoms for efficient chemoselective hydrogenation of nitrobenzene to azoxybenzene. Green Chemistry, 2021, 23, 4753-4761.	4.6	35
34	Promoted alkaline hydrogen evolution by an N-doped Pt-Ru single atom alloy. Journal of Materials Chemistry A, 2021, 9, 14941-14947.	5.2	39
35	Construction of defect-engineered three-dimensionally ordered macroporous WO ₃ for efficient photocatalytic water oxidation reaction. Journal of Materials Chemistry A, 2021, 9, 3036-3043.	5.2	32
36	A stable low-temperature H ₂ -production catalyst by crowding Pt on Î±-MoC. Nature, 2021, 589, 396-401.	13.7	290

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37	Initiating Ullmann-like coupling of Br2Py by a semimetal surface. <i>Scientific Reports</i> , 2021, 11, 3414.	1.6	9
38	Atomic Design and Fine-Tuning of Subnanometric Pt Catalysts to Tame Hydrogen Generation. <i>ACS Catalysis</i> , 2021, 11, 4146-4156.	5.5	52
39	High-voltage asymmetric metal-air batteries based on polymeric single-Zn ²⁺ -ion conductor. <i>Matter</i> , 2021, 4, 1287-1304.	5.0	34
40	Regulating coordination number in atomically dispersed Pt species on defect-rich graphene for n-butane dehydrogenation reaction. <i>Nature Communications</i> , 2021, 12, 2664.	5.8	111
41	Highly Selective Acetylene Semihydrogenation Catalyst with an Operation Window Exceeding 150 Å°C. <i>ACS Catalysis</i> , 2021, 11, 6073-6080.	5.5	33
42	Interface interaction induced oxygen activation of cactus-like Co ₃ O ₄ /OMS-2 nanorod catalysts in situ grown on monolithic cordierite for diesel soot combustion. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119932.	10.8	38
43	InnenrÄ¼cktitelbild: Boosting Photocatalytic Water Oxidation Over Bifunctional Rh ⁰ /Rh ³⁺ Sites (<i>Angew. Chem.</i> 42/2021). <i>Angewandte Chemie</i> , 2021, 133, 23211-23211.	1.6	0
44	Boosting Photocatalytic Water Oxidation Over Bifunctional Rh ⁰ /Rh ³⁺ Sites. <i>Angewandte Chemie</i> , 2021, 133, 22943.	1.6	2
45	Iodide-Coordinated Single-Site Pd Catalysts for Alkyne Dialkoxycarbonylation. <i>ACS Catalysis</i> , 2021, 11, 9242-9251.	5.5	23
46	Boosting Photocatalytic Water Oxidation Over Bifunctional Rh ⁰ /Rh ³⁺ Sites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22761-22768.	7.2	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. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18979-18987.	1.5	8
48	Confined Ir single sites with triggered lattice oxygen redox: Toward boosted and sustained water oxidation catalysis. <i>Joule</i> , 2021, 5, 2164-2176.	11.7	183
49	Interfacial Proton Transfer for Hydrogen Evolution at the Sub-Nanometric Platinum/Electrolyte Interface. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47252-47261.	4.0	4
50	Biocompatible Ruthenium Single-Atom Catalyst for Cascade Enzyme-Mimicking Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45269-45278.	4.0	41
51	Cooperative Sites in Fully Exposed Pd Clusters for Low-Temperature Direct Dehydrogenation Reaction. <i>ACS Catalysis</i> , 2021, 11, 11469-11477.	5.5	51
52	Ni Hollow Fiber Encapsulated Bi@Zeolite for Efficient CO ₂ Electroreduction. <i>ACS Applied Energy Materials</i> , 2021, 4, 8933-8940.	2.5	7
53	Grafting nanometer metal/oxide interface towards enhanced low-temperature acetylene semi-hydrogenation. <i>Nature Communications</i> , 2021, 12, 5770.	5.8	43
54	Low temperature surface oxygen activation in crystalline MnO ₂ triggered by lattice confined Pd single atoms. <i>Journal of Energy Chemistry</i> , 2021, 62, 136-144.	7.1	19

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55	Exploring the CO ₂ reduction reaction mechanism on Pt/TiO ₂ with the ambient-pressure X-ray photoelectron spectroscopy. <i>Applied Surface Science</i> , 2021, 568, 150933.	3.1	4
56	Rational design of edges of covalent organic networks for catalyzing hydrogen peroxide production. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120605.	10.8	29
57	Defective C ₃ N ₄ frameworks coordinated diatomic copper catalyst: Towards mild oxidation of methane to C ₁ oxygenates. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120682.	10.8	32
58	Surface oxygen vacancies promoted Pt redispersion to single-atoms for enhanced photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13890-13897.	5.2	38
59	Simultaneous oxidative and reductive reactions in one system by atomic design. <i>Nature Catalysis</i> , 2021, 4, 134-143.	16.1	132
60	Constructing Efficient Single Rh Sites on Activated Carbon via Surface Carbonyl Groups for Methanol Carbonylation. <i>ACS Catalysis</i> , 2021, 11, 682-690.	5.5	19
61	Atomically Dispersed Ni/±-MoC Catalyst for Hydrogen Production from Methanol/Water. <i>Journal of the American Chemical Society</i> , 2021, 143, 309-317.	6.6	168
62	Single-atom Ru catalyst for selective synthesis of 3-pentanone <i>via</i> ethylene hydroformylation. <i>Green Chemistry</i> , 2021, 23, 9038-9047.	4.6	14
63	Proton exchange membrane fuel cells powered with both CO and H ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	33
64	A Superlattice-Stabilized Layered CuS Anode for High-Performance Aqueous Zinc-Ion Batteries. <i>ACS Nano</i> , 2021, 15, 17748-17756.	7.3	62
65	CO-tolerant PEMFC Anodes Enabled by Synergistic Catalysis between Iridium Single-Atom Sites and Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26177-26183.	7.2	81
66	CO-tolerant PEMFC Anodes Enabled by Synergistic Catalysis between Iridium Single-Atom Sites and Nanoparticles. <i>Angewandte Chemie</i> , 2021, 133, 26381.	1.6	9
67	Molecular-level insights into the electronic effects in platinum-catalyzed carbon monoxide oxidation. <i>Nature Communications</i> , 2021, 12, 6888.	5.8	18
68	In-situ reconstructed Ru atom array on ±-MnO ₂ with enhanced performance for acidic water oxidation. <i>Nature Catalysis</i> , 2021, 4, 1012-1023.	16.1	324
69	An Engineered Superhydrophilic/Superaerophobic Electrocatalyst Composed of the Supported CoMoS _x Chalcogel for Overall Water Splitting. <i>Angewandte Chemie</i> , 2020, 132, 1676-1682.	1.6	12
70	Effects of cobalt carbide on Fischer-Tropsch synthesis with MnO supported Co-based catalysts. <i>Journal of Energy Chemistry</i> , 2020, 42, 227-232.	7.1	8
71	Understanding oxygen vacancies in disorder-engineered surface and subsurface of CaTiO ₃ nanosheets on photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020, 267, 118378.	10.8	86
72	An Engineered Superhydrophilic/Superaerophobic Electrocatalyst Composed of the Supported CoMoS _x Chalcogel for Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1659-1665.	7.2	268

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73	Optimizing Electron Densities of Ni ^{II} Complexes by Hybrid Coordination for Efficient Electrocatalytic CO ₂ Reduction. <i>ChemSusChem</i> , 2020, 13, 929-937.	3.6	76
74	Atomic-Level Fe ^{II} Coupled with Fe ₃ C@Fe Nanocomposites in Carbon Matrixes as High-Efficiency Bifunctional Oxygen Catalysts. <i>Small</i> , 2020, 16, e1906057.	5.2	90
75	A wavelength-dispersive X-ray spectrometer for in/ex situ resonant inelastic X-ray scattering studies. <i>X-Ray Spectrometry</i> , 2020, 49, 251-259.	0.9	5
76	Frontispiz: Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie</i> , 2020, 132, .	1.6	0
77	Cu single-atoms embedded in porous carbon nitride for selective oxidation of methane to oxygenates. <i>Chemical Communications</i> , 2020, 56, 14677-14680.	2.2	37
78	Direct and Efficient Synthesis of Clean H ₂ O ₂ from CO-Assisted Aqueous O ₂ Reduction. <i>ACS Catalysis</i> , 2020, 10, 13993-14005.	5.5	9
79	Graphitic phosphorus coordinated single Fe atoms for hydrogenative transformations. <i>Nature Communications</i> , 2020, 11, 4074.	5.8	122
80	In situ tuning of electronic structure of catalysts using controllable hydrogen spillover for enhanced selectivity. <i>Nature Communications</i> , 2020, 11, 4773.	5.8	81
81	2D-organic framework confined metal single atoms with the loading reaching the theoretical limit. <i>Materials Horizons</i> , 2020, 7, 2726-2733.	6.4	26
82	Frontispiece: Subnanometer Bimetallic Platinum-Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	7.2	5
83	Conjugated Covalent Organic Frameworks as Platinum Nanoparticle Supports for Catalyzing the Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2020, 32, 9747-9752.	3.2	68
84	Electrocatalytic reduction of CO ₂ to ethylene and ethanol through hydrogen-assisted C-C coupling over fluorine-modified copper. <i>Nature Catalysis</i> , 2020, 3, 478-487.	16.1	788
85	Bridge Bonded Oxygen Ligands between Approximated FeN ₄ Sites Confer Catalysts with High ORR Performance. <i>Angewandte Chemie</i> , 2020, 132, 14027-14032.	1.6	40
86	Bridge Bonded Oxygen Ligands between Approximated FeN ₄ Sites Confer Catalysts with High ORR Performance. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13923-13928.	7.2	176
87	An In Situ Formed Surface Coating Layer Enabling LiCoO ₂ with Stable 4.6 V High-Voltage Cycle Performances. <i>Advanced Energy Materials</i> , 2020, 10, 2001413.	10.2	201
88	Dopamine sacrificial coating strategy driving formation of highly active surface-exposed Ru sites on Ru/TiO ₂ catalysts in Fischer-Tropsch synthesis. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119261.	10.8	31
89	Covalent Triazine Framework Confined Copper Catalysts for Selective Electrochemical CO ₂ Reduction: Operando Diagnosis of Active Sites. <i>ACS Catalysis</i> , 2020, 10, 4534-4542.	5.5	112
90	Direct Synthesis of Semimetal Phthalocyanines on a Surface with Insights into Interfacial Properties. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8247-8256.	1.5	3

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91	Subnanometer Bimetallic Platinum–Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19450-19459.	7.2	221
92	A novel self-assembly approach for synthesizing nanofiber aerogel supported platinum single atoms. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15094-15102.	5.2	5
93	Distribution of Spin Density on Phenoxy Radicals Affects the Selectivity of Aerobic Oxygenation of Phenols. <i>Inorganic Chemistry</i> , 2020, 59, 3562-3569.	1.9	8
94	Reactant friendly hydrogen evolution interface based on di-anionic MoS ₂ surface. <i>Nature Communications</i> , 2020, 11, 1116.	5.8	108
95	Manipulating spin polarization of titanium dioxide for efficient photocatalysis. <i>Nature Communications</i> , 2020, 11, 418.	5.8	252
96	High-Valence Nickel Single-Atom Catalysts Coordinated to Oxygen Sites for Extraordinarily Activating Oxygen Evolution Reaction. <i>Advanced Science</i> , 2020, 7, 1903089.	5.6	182
97	Preparation and regeneration of supported single-Ir-site catalysts by nanoparticle dispersion via CO and nascent I radicals. <i>Journal of Catalysis</i> , 2020, 382, 347-357.	3.1	13
98	Selectivity Regulation in Au-Catalyzed Nitroaromatic Hydrogenation by Anchoring Single-Site Metal Oxide Promoters. <i>ACS Catalysis</i> , 2020, 10, 2837-2844.	5.5	42
99	Subnanometer Bimetallic Platinum–Zinc Clusters in Zeolites for Propane Dehydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 19618-19627.	1.6	47
100	Adsorption Site Regulation to Guide Atomic Design of Ni–Ga Catalysts for Acetylene Semi-Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11647-11652.	7.2	111
101	Adsorption Site Regulation to Guide Atomic Design of Ni–Ga Catalysts for Acetylene Semi-Hydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 11744-11749.	1.6	31
102	Tuning the interfaces of Co–Co ₂ C with sodium and its relation to the higher alcohol production in Fischer–Tropsch synthesis. <i>Journal of Materials Science</i> , 2020, 55, 9037-9047.	1.7	10
103	Oxygen Vacancy Tuning toward Efficient Electrocatalytic CO ₂ Reduction to C ₂ H ₄ . <i>Small Methods</i> , 2019, 3, 1800449.	4.6	146
104	Characterization of CoMn catalyst by in situ X-ray absorption spectroscopy and wavelet analysis for Fischer–Tropsch to olefins reaction. <i>Journal of Energy Chemistry</i> , 2019, 32, 118-123.	7.1	31
105	Identifying Oxygen Activation/Oxidation Sites for Efficient Soot Combustion over Silver Catalysts Interacted with Nanoflower-Like Hydrocalcite-Derived CoAlO Metal Oxides. <i>ACS Catalysis</i> , 2019, 9, 8772-8784.	5.5	77
106	Grain-boundary corrosion of nickel-based alloy by synchrotron radiation technology. <i>Surface Innovations</i> , 2019, 7, 278-283.	1.4	3
107	Epitaxial Growth of Free-Standing Bismuth Film on Graphene Embedded with Nontrivial Properties. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1817-1824.	2.0	12
108	An active, selective, and stable manganese oxide-supported atomic Pd catalyst for aerobic oxidation of 5-hydroxymethylfurfural. <i>Green Chemistry</i> , 2019, 21, 4194-4203.	4.6	45

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109	Electronic structures of ultra-thin tellurium nanoribbons. <i>Nanoscale</i> , 2019, 11, 14134-14140.	2.8	12
110	Single-Atom Cr ^N Sites Designed for Durable Oxygen Reduction Catalysis in Acid Media. <i>Angewandte Chemie</i> , 2019, 131, 12599-12605.	1.6	29
111	Single-Atom Cr ^N Sites Designed for Durable Oxygen Reduction Catalysis in Acid Media. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12469-12475.	7.2	307
112	Overwhelming the Performance of Single Atoms with Atomic Clusters for Platinum-Catalyzed Hydrogen Evolution. <i>ACS Catalysis</i> , 2019, 9, 8213-8223.	5.5	68
113	Low Temperature Oxidation of Ethane to Oxygenates by Oxygen over Iridium-Cluster Catalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 18921-18925.	6.6	72
114	Dynamic oxygen adsorption on single-atomic Ruthenium catalyst with high performance for acidic oxygen evolution reaction. <i>Nature Communications</i> , 2019, 10, 4849.	5.8	416
115	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS ₂ Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16289-16296.	7.2	201
116	XAFS and SRGI-XRD studies of the local structure of tellurium corrosion of Ni ¹⁸ Cr alloy. <i>Nuclear Science and Techniques/Hewuli</i> , 2019, 30, 1.	1.3	9
117	Climbing the Apex of the ORR Volcano Plot via Binuclear Site Construction: Electronic and Geometric Engineering. <i>Journal of the American Chemical Society</i> , 2019, 141, 17763-17770.	6.6	436
118	Revealing the Adsorption and Decomposition of EP-PTCDI on a Cerium Oxide Surface. <i>ACS Omega</i> , 2019, 4, 17939-17946.	1.6	3
119	Dual-Functionally Bound Single-Site Rhodium on Porous Ionic Polymer Rivals Commercial Methanol Carbonylation Catalysts. <i>Advanced Materials</i> , 2019, 31, e1904976.	11.1	26
120	Recent Progress with In Situ Characterization of Interfacial Structures under a Solid-Gas Atmosphere by HP-STM and AP-XPS. <i>Materials</i> , 2019, 12, 3674.	1.3	6
121	Synergistic Doping and Intercalation: Realizing Deep Phase Modulation on MoS ₂ Arrays for High-Efficiency Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2019, 131, 16435-16442.	1.6	16
122	Chromium-ruthenium oxide solid solution electrocatalyst for highly efficient oxygen evolution reaction in acidic media. <i>Nature Communications</i> , 2019, 10, 162.	5.8	396
123	Anchoring Cu ¹ species over nanodiamond-graphene for semi-hydrogenation of acetylene. <i>Nature Communications</i> , 2019, 10, 4431.	5.8	224
124	Achieving efficient and robust catalytic reforming on dual-sites of Cu species. <i>Chemical Science</i> , 2019, 10, 2578-2584.	3.7	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. <i>Chemical Science</i> , 2019, 10, 2585-2591.	3.7	50
126	Ring-Opening Transformation of 5-Hydroxymethylfurfural Using a Golden Single-Atomic-Site Palladium Catalyst. <i>ACS Catalysis</i> , 2019, 9, 6212-6222.	5.5	60

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127	Two-Step Carbothermal Welding To Access Atomically Dispersed Pd ₁ on Three-Dimensional Zirconia Nanonet for Direct Indole Synthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 10590-10594.	6.6	108
128	Carbon vacancy defect-activated Pt cluster for hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15364-15370.	5.2	57
129	Generating Defect-Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9464-9469.	7.2	226
130	Generating Defect-Rich Bismuth for Enhancing the Rate of Nitrogen Electroreduction to Ammonia. <i>Angewandte Chemie</i> , 2019, 131, 9564-9569.	1.6	47
131	Structural Transformation of 2,7-Dibromopyrene on Au(111) Mediated by Halogen-Bonding Motifs. <i>ChemPhysChem</i> , 2019, 20, 2376-2381.	1.0	10
132	<i>In situ</i> XAFS study on the formation process of cobalt carbide by Fischer-Tropsch reaction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10791-10797.	1.3	18
133	Tin-Assisted Fully Exposed Platinum Clusters Stabilized on Defect-Rich Graphene for Dehydrogenation Reaction. <i>ACS Catalysis</i> , 2019, 9, 5998-6005.	5.5	150
134	Microstructure Evolution of a Co/MnO Catalyst for Fischer-Tropsch Synthesis Revealed by <i>In Situ</i> XAFS Studies. <i>ChemCatChem</i> , 2019, 11, 2187-2194.	1.8	5
135	Stabilization of layered manganese oxide by substitutional cation doping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7118-7127.	5.2	14
136	Tuning interaction between cobalt catalysts and nitrogen dopants in carbon nanospheres to promote Fischer-Tropsch synthesis. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 73-83.	10.8	58
137	A highly CO-tolerant atomically dispersed Pt catalyst for chemoselective hydrogenation. <i>Nature Nanotechnology</i> , 2019, 14, 354-361.	15.6	292
138	Promoting electrocatalytic CO ₂ reduction to formate via sulfur-boosting water activation on indium surfaces. <i>Nature Communications</i> , 2019, 10, 892.	5.8	446
139	<i>In situ</i> formation of mononuclear complexes by reaction-induced atomic dispersion of supported noble metal nanoparticles. <i>Nature Communications</i> , 2019, 10, 5281.	5.8	57
140	An Isolated Zinc-Cobalt Atomic Pair for Highly Active and Durable Oxygen Reduction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2622-2626.	7.2	494
141	Constructing Mononuclear Palladium Catalysts by Precoordination/Solvothermal Polymerization: Recyclable Catalyst for Regioselective Oxidative Heck Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2448-2453.	7.2	64
142	Constructing Mononuclear Palladium Catalysts by Precoordination/Solvothermal Polymerization: Recyclable Catalyst for Regioselective Oxidative Heck Reactions. <i>Angewandte Chemie</i> , 2019, 131, 2470-2475.	1.6	7
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