Jie Zeng

List of Publications by Year in descending order

229 papers	25,409 citations	5782 84 h-index	8034 154 g-index
253 all docs	253 docs citations	253 times ranked	30209 citing authors

#	Article	IF	Citations
1	Photoâ€•and Electrocatalytic CO₂ Reduction Based on Stable Leadâ€Free Perovskite Cs₂PdBr₆. Energy and Environmental Materials, 2023, 6, .	7.3	4
2	Photocatalytic Conversion of Methane: Recent Advancements and Prospects. Angewandte Chemie - International Edition, 2022, 61, .	7.2	111
3	Photocatalytic Conversion of Methane: Recent Advancements and Prospects. Angewandte Chemie, 2022, 134, e202108069.	1.6	46
4	A novel 2D Co3(HADQ)2 metal-organic framework as a highly active and stable electrocatalyst for acidic oxygen reduction. Chemical Engineering Journal, 2022, 430, 132642.	6.6	43
5	Molecular Stabilization of Subâ€Nanometer Cu Clusters for Selective CO₂ Electromethanation. ChemSusChem, 2022, 15, .	3.6	11
6	Single atoms supported on metal oxides for energy catalysis. Journal of Materials Chemistry A, 2022, 10, 5717-5742.	5.2	29
7	Nanoconfinement Engineering over Hollow Multiâ€Shell Structured Copper towards Efficient Electrocatalytical Câ^'C coupling. Angewandte Chemie - International Edition, 2022, 61, .	7.2	57
8	Nanoconfinement Engineering over Hollow Multiâ€Shell Structured Copper towards Efficient Electrocatalytical Câ^'C coupling. Angewandte Chemie, 2022, 134, e202113498.	1.6	4
9	Tuning the Interaction between Ruthenium Single Atoms and the Second Coordination Sphere for Efficient Nitrogen Photofixation. Advanced Functional Materials, 2022, 32, .	7.8	22
10	Promoting N2 electroreduction into NH3 over porous carbon by introducing oxygen-containing groups. Chemical Engineering Journal, 2022, 434, 134636.	6.6	9
11	Facet-dependent electrooxidation of propylene into propylene oxide over Ag3PO4 crystals. Nature Communications, 2022, 13, 932.	5.8	38
12	Adjusting Local CO Confinement in Porous-Shell Ag@Cu Catalysts for Enhancing Câ€“C Coupling toward CO₂ Eletroreduction. Nano Letters, 2022, 22, 2554-2560.	4.5	43
13	Tuning the Interaction between Ruthenium Single Atoms and the Second Coordination Sphere for Efficient Nitrogen Photofixation (Adv. Funct. Mater. 12/2022). Advanced Functional Materials, 2022, 32, .	7.8	0
14	Synergy between Palladium Single Atoms and Nanoparticles via Hydrogen Spillover for Enhancing CO₂ Photoreduction to CH₄. Advanced Materials, 2022, 34, e2200057.	11.1	162
15	Low-Temperature Câ€“H Bond Activation: Ethylbenzene-to-Styrene Conversion on Rutile TiO₂(110). Journal of Physical Chemistry C, 2022, 126, 6231-6240.	1.5	2
16	Atomically Dispersed Platinum in Surface and Subsurface Sites on MgO Have Contrasting Catalytic Properties for CO Oxidation. Journal of Physical Chemistry Letters, 2022, 13, 3896-3903.	2.1	7
17	Understanding the Effect of *CO Coverage on Câ€“C Coupling toward CO₂ Electroreduction. Nano Letters, 2022, 22, 3801-3808.	4.5	44
18	Electrodeposited highly-oriented bismuth microparticles for efficient CO2 electroreduction into formate. Nano Research, 2022, 15, 10078-10083.	5.8	19

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19	Tuning the Electronic and Steric Interaction at the Atomic Interface for Enhanced Oxygen Evolution. Journal of the American Chemical Society, 2022, 144, 9271-9279.	6.6	76
20	Selectively anchoring single atoms on specific sites of supports for improved oxygen evolution. Nature Communications, 2022, 13, 2473.	5.8	73
21	Ambient-pressure hydrogenation of CO2 into long-chain olefins. Nature Communications, 2022, 13, 2396.	5.8	49
22	Upcycling CO2 into energy-rich long-chain compounds via electrochemical and metabolic engineering. Nature Catalysis, 2022, 5, 388-396.	16.1	153
23	Progresses on carbon dioxide electroreduction into methane. Chinese Journal of Catalysis, 2022, 43, 1634-1641.	6.9	13
24	Highly active and thermostable submonolayer La(NiCo)OÎ” catalyst stabilized by a perovskite LaCrO3 support. Communications Chemistry, 2022, 5, .	2.0	4
25	Heterogeneous Catalysts toward CO₂ Hydrogenation for Sustainable Carbon Cycle. Accounts of Materials Research, 2022, 3, 565-571.	5.9	6
26	Synthesis of Tunable Syngas on Cobaltâ€Based Catalysts towards Carbon Dioxide Reduction. ChemNanoMat, 2021, 7, 2-6.	1.5	6
27	A phosphate-derived bismuth catalyst with abundant grain boundaries for efficient reduction of CO₂ to HCOOH. Chemical Communications, 2021, 57, 1502-1505.	2.2	32
28	Enhance the activity of multi-carbon products for Cu via P doping towards CO2 reduction. Science China Chemistry, 2021, 64, 1096-1102.	4.2	22
29	Inductive effect as a universal concept to design efficient catalysts for CO₂electrochemical reduction: electronegativity difference makes a difference. Journal of Materials Chemistry A, 2021, 9, 4626-4647.	5.2	12
30	Doping regulation in transition metal compounds for electrocatalysis. Chemical Society Reviews, 2021, 50, 9817-9844.	18.7	245
31	Water enables mild oxidation of methane to methanol on gold single-atom catalysts. Nature Communications, 2021, 12, 1218.	5.8	138
32	Symmetry-Breaking Sites for Activating Linear Carbon Dioxide Molecules. Accounts of Chemical Research, 2021, 54, 1454-1464.	7.6	53
33	Glutathionylation-dependent proteasomal degradation of wide-spectrum mutant p53 proteins by engineered zeolitic imidazolate framework-8. Biomaterials, 2021, 271, 120720.	5.7	14
34	Copperâ€Based Plasmonic Catalysis: Recent Advances and Future Perspectives. Advanced Materials, 2021, 33, e2008145.	11.1	131
35	In-Situ Generated High-Valent Iron Single-Atom Catalyst for Efficient Oxygen Evolution. Nano Letters, 2021, 21, 4795-4801.	4.5	47
36	Probing the nickel corrosion phenomena in alkaline electrolyte using tender x-ray ambient pressure x-ray photoelectron spectroscopy. Journal Physics D: Applied Physics, 2021, 54, 374001.	1.3	5

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37	Bias-Adaptable CO₂-to-CO Conversion via Tuning the Binding of Competing Intermediates. Nano Letters, 2021, 21, 8924-8932.	4.5	13
38	Electronic Tuning of SnS₂ Nanosheets by Hydrogen Incorporation for Efficient CO₂ Electroreduction. Nano Letters, 2021, 21, 7789-7795.	4.5	35
39	Co-based molecular catalysts for efficient CO2 reduction via regulating spin states. Applied Catalysis B: Environmental, 2021, 290, 120067.	10.8	35
40	Copper-catalysed exclusive CO2 to pure formic acid conversion via single-atom alloying. Nature Nanotechnology, 2021, 16, 1386-1393.	15.6	282
41	Pdâ€“Pt Tesseracts for the Oxygen Reduction Reaction. Journal of the American Chemical Society, 2021, 143, 496-503.	6.6	100
42	A Theory-Guided X-ray Absorption Spectroscopy Approach for Identifying Active Sites in Atomically Dispersed Transition-Metal Catalysts. Journal of the American Chemical Society, 2021, 143, 20144-20156.	6.6	28
43	Oscillation of Work Function during Reducible Metal Oxide Catalysis and Correlation with the Activity Property. ChemCatChem, 2020, 12, 85-89.	1.8	3
44	Atomic-level insights into strain effect on p-nitrophenol reduction via Au@Pd coreâ€“shell nanocubes as an ideal platform. Journal of Catalysis, 2020, 381, 427-433.	3.1	30
45	Enhanced N₂ Electroreduction over LaCoO₃ by Introducing Oxygen Vacancies. ACS Catalysis, 2020, 10, 1077-1085.	5.5	98
46	Coordinate activation in heterogeneous carbon dioxide reduction on Co-based molecular catalysts. Applied Catalysis B: Environmental, 2020, 268, 118452.	10.8	35
47	Probing the surface chemistry for reverse water gas shift reaction on Pt(1 1 1) using ambient pressure X-ray photoelectron spectroscopy. Journal of Catalysis, 2020, 391, 123-131.	3.1	11
48	Tuning the coordination number of Fe single atoms for the efficient reduction of CO₂. Green Chemistry, 2020, 22, 7529-7536.	4.6	49
49	In-Situ Surface Reconstruction of InN Nanosheets for Efficient CO₂ Electroreduction into Formate. Nano Letters, 2020, 20, 8229-8235.	4.5	55
50	Frontispiece: Surface Iron Species in Palladiumâ€“Iron Intermetallic Nanocrystals that Promote and Stabilize CO₂ Methanation. Angewandte Chemie - International Edition, 2020, 59, .	7.2	0
51	Molecular Modification of Single Cobalt Sites Boosts the Catalytic Activity of CO 2 Electroreduction into CO. ChemPhysChem, 2020, 21, 2051-2055.	1.0	8
52	Boost Selectivity of HCOO^{â^’}Using Anchored Bi Single Atoms towards CO₂Reduction. ChemSusChem, 2020, 13, 6307-6311.	3.6	35
53	Single Atoms of Iron on MoS₂ Nanosheets for N₂ Electroreduction into Ammonia. Angewandte Chemie, 2020, 132, 20591-20596.	1.6	17
54	Single Atoms of Iron on MoS₂ Nanosheets for N₂ Electroreduction into Ammonia. Angewandte Chemie - International Edition, 2020, 59, 20411-20416.	7.2	136

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55	Quantitative insights into non-uniform plasmonic hotspots due to symmetry breaking induced by oblique incidence. Physical Chemistry Chemical Physics, 2020, 22, 19932-19939.	1.3	4
56	Advanced Electrocatalysts with Single-Metal-Atom Active Sites. Chemical Reviews, 2020, 120, 12217-12314.	23.0	563
57	Frontispiz: Surface Iron Species in Palladiumâ€“Iron Intermetallic Nanocrystals that Promote and Stabilize CO₂ Methanation. Angewandte Chemie, 2020, 132, .	1.6	0
58	The midas touch on copper into palladium. Science China Chemistry, 2020, 63, 1740-1741.	4.2	0
59	N₂ Electroreduction: A Highly Efficient Metalâ€Free Electrocatalyst of Fâ€Doped Porous Carbon toward N₂ Electroreduction (Adv. Mater. 24/2020). Advanced Materials, 2020, 32, 2070186.	11.1	3
60	Constructing subtle grain boundaries on Au sheets for enhanced CO2 photoreduction. Science China Chemistry, 2020, 63, 1705-1710.	4.2	5
61	Dimensionality Control of Electrocatalytic Activity in Perovskite Nickelates. Nano Letters, 2020, 20, 2837-2842.	4.5	21
62	Surface Iron Species in Palladiumâ€“Iron Intermetallic Nanocrystals that Promote and Stabilize CO₂ Methanation. Angewandte Chemie - International Edition, 2020, 59, 14434-14442.	7.2	49
63	Ultra-Sensitive and Selective Detection of Arsenic(III) via Electroanalysis over Cobalt Single-Atom Catalysts. Analytical Chemistry, 2020, 92, 6128-6135.	3.2	59
64	Electrochemical deposition as a universal route for fabricating single-atom catalysts. Nature Communications, 2020, 11, 1215.	5.8	254
65	Atomic-Level Construction of Tensile-Strained PdFe Alloy Surface toward Highly Efficient Oxygen Reduction Electrocatalysis. Nano Letters, 2020, 20, 1403-1409.	4.5	89
66	A Highly Efficient Metalâ€Free Electrocatalyst of Fâ€Doped Porous Carbon toward N₂ Electroreduction. Advanced Materials, 2020, 32, e1907690.	11.1	105
67	Surface Iron Species in Palladiumâ€“Iron Intermetallic Nanocrystals that Promote and Stabilize CO₂ Methanation. Angewandte Chemie, 2020, 132, 14542-14550.	1.6	41
68	Bi@Sn Coreâ€“Shell Structure with Compressive Strain Boosts the Electroreduction of CO₂ into Formic Acid. Advanced Science, 2020, 7, 1902989.	5.6	125
69	Electron Correlations Engineer Catalytic Activity of Pyrochlore Iridates for Acidic Water Oxidation. Advanced Materials, 2019, 31, e1805104.	11.1	63
70	Harmonizing the Electronic Structures of the Adsorbate and Catalysts for Efficient CO₂ Reduction. Nano Letters, 2019, 19, 6547-6553.	4.5	88
71	Single Fe atoms anchored by short-range ordered nanographene boost oxygen reduction reaction in acidic media. Nano Energy, 2019, 66, 104164.	8.2	68
72	Breaking the Local Symmetry of LiCoO₂ via Atomic Doping for Efficient Oxygen Evolution. Nano Letters, 2019, 19, 8774-8779.	4.5	35

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73	Tuning Electronic Structure and Lattice Diffusion Barrier of Ternary Ptâ€“Inâ€“Ni for Both Improved Activity and Stability Properties in Oxygen Reduction Electrocatalysis. ACS Catalysis, 2019, 9, 11431-11437.	5.5	36
74	Intercalated Iridium Diselenide Electrocatalysts for Efficient pHâ€Universal Water Splitting. Angewandte Chemie - International Edition, 2019, 58, 14764-14769.	7.2	126
75	Intercalated Iridium Diselenide Electrocatalysts for Efficient pHâ€Universal Water Splitting. Angewandte Chemie, 2019, 131, 14906-14911.	1.6	30
76	Enhanced Electrocatalytic Reduction of CO₂ via Chemical Coupling between Indium Oxide and Reduced Graphene Oxide. Nano Letters, 2019, 19, 4029-4034.	4.5	142
77	Optimizing reaction paths for methanol synthesis from CO2 hydrogenation via metal-ligand cooperativity. Nature Communications, 2019, 10, 1885.	5.8	116
78	Engineering electronic structures of nanomaterials towardÂcarbon dioxide electroreduction. Current Opinion in Electrochemistry, 2019, 17, 7-15.	2.5	14
79	Rh Doping in Pd Nanocubes Optimizes the Adsorption of 3â€Nitrostyrene towards Selective Hydrogenation of Vinyl Group. ChemCatChem, 2019, 11, 2793-2798.	1.8	8
80	High-index facets of Pt Fe nanowires induce steric effect on selective hydrogenation of acetophenone. Journal of Catalysis, 2019, 373, 209-214.	3.1	15
81	Singleâ€Atom Catalysis: Static Regulation and Dynamic Evolution of Singleâ€Atom Catalysts in Thermal Catalytic Reactions (Adv. Sci. 3/2019). Advanced Science, 2019, 6, 1970015.	5.6	0
82	Oxygen Evolution Reaction: Electron Correlations Engineer Catalytic Activity of Pyrochlore Iridates for Acidic Water Oxidation (Adv. Mater. 6/2019). Advanced Materials, 2019, 31, 1970042.	11.1	72
83	Static Regulation and Dynamic Evolution of Singleâ€Atom Catalysts in Thermal Catalytic Reactions. Advanced Science, 2019, 6, 1801471.	5.6	39
84	Large-Scale and Highly Selective CO2 Electrocatalytic Reduction on Nickel Single-Atom Catalyst. Joule, 2019, 3, 265-278.	11.7	663
85	Competitive Transient Electrostatic Adsorption for In Situ Regeneration of Poisoned Catalyst. ChemCatChem, 2019, 11, 1179-1184.	1.8	3
86	Introduction of carbonâ€“boron atomic groups as an efficient strategy to boost formic acid production toward CO₂electrochemical reduction. Chemical Communications, 2018, 54, 3367-3370.	2.2	24
87	Molecular-Level Insight into How Hydroxyl Groups Boost Catalytic Activity in CO2 Hydrogenation into Methanol. CheM, 2018, 4, 613-625.	5.8	110
88	Rhâ€Based Nanocatalysts for Heterogeneous Reactions. ChemNanoMat, 2018, 4, 451-466.	1.5	25
89	Oxygen Vacancies in ZnO Nanosheets Enhance CO₂ Electrochemical Reduction to CO. Angewandte Chemie, 2018, 130, 6162-6167.	1.6	122
90	Oxygen Vacancies in ZnO Nanosheets Enhance CO₂ Electrochemical Reduction to CO. Angewandte Chemie - International Edition, 2018, 57, 6054-6059.	7.2	564

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91	Achieving the Widest Range of Syngas Proportions at High Current Density over Cadmium Sulfoselenide Nanorods in CO₂ Electroreduction. Advanced Materials, 2018, 30, 1705872.	11.1	145
92	Synergetic interaction between neighbouring platinum monomers in CO2 hydrogenation. Nature Nanotechnology, 2018, 13, 411-417.	15.6	584
93	Copperâ€"Palladium Tetrapods with Sharp Tips as a Superior Catalyst for the Oxygen Reduction Reaction. ChemCatChem, 2018, 10, 925-930.	1.8	14
94	Nanoimaging of Electronic Heterogeneity in Bi₂Se₃ and Sb₂Te₃ Nanocrystals. Advanced Electronic Materials, 2018, 4, 1700377.	2.6	16
95	Size-Controlled Biocompatible Silver Nanoplates for Contrast-Enhanced Intravital Photoacoustic Mapping of Tumor Vasculature. Journal of Biomedical Nanotechnology, 2018, 14, 1448-1457.	0.5	14
96	Anchoring Pt Single Atoms on CeOx Nanoclusters for CO Oxidation. Microscopy and Microanalysis, 2018, 24, 1660-1661.	0.2	1
97	N₂ Electrochemical Reduction: Achieving a Recordâ€High Yield Rate of 120.9 Î¼gNH3â€‰â€‰mgcat.â^'1â€‰â€‰hâ^'1 for N₂ Electrochemical Reduction over Ru Singleâ€Atom Catalysts (Adv. T	11.1	5
98	Harnessing copper-palladium alloy tetrapod nanoparticle-induced pro-survival autophagy for optimized photothermal therapy of drug-resistant cancer. Nature Communications, 2018, 9, 4236.	5.8	139
99	Phosphorus-modulated cobalt selenides enable engineered reconstruction of active layers for efficient oxygen evolution. Journal of Catalysis, 2018, 368, 155-162.	3.1	23
100	One-Nanometer-Thick PtNiRh Trimetallic Nanowires with Enhanced Oxygen Reduction Electrocatalysis in Acid Media: Integrating Multiple Advantages into One Catalyst. Journal of the American Chemical Society, 2018, 140, 16159-16167.	6.6	160
101	Pt Single Atoms Embedded in the Surface of Ni Nanocrystals as Highly Active Catalysts for Selective Hydrogenation of Nitro Compounds. Nano Letters, 2018, 18, 3785-3791.	4.5	127
102	Electrical and structural engineering of cobalt selenide nanosheets by Mn modulation for efficient oxygen evolution. Applied Catalysis B: Environmental, 2018, 236, 569-575.	10.8	122
103	Computation-Guided Development of Platinum Alloy Catalyst for Carbon Monoxide Preferential Oxidation. ACS Catalysis, 2018, 8, 5777-5786.	5.5	22
104	Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 10954-10958.	7.2	186
105	Boosting fuel cell catalysis by surface doping of W on Pd nanocubes. Chinese Journal of Catalysis, 2018, 39, 1202-1209.	6.9	16
106	Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO₂ Reduction. Angewandte Chemie, 2018, 130, 11120-11124.	1.6	42
107	Achieving a Recordâ€High Yield Rate of 120.9 for N₂ Electrochemical Reduction over Ru Singleâ€Atom Catalysts. Advanced Materials, 2018, 30, e1803498.	11.1	736
108	Integration of Quantum Confinement and Alloy Effect to Modulate Electronic Properties of RhW Nanocrystals for Improved Catalytic Performance toward CO₂ Hydrogenation. Nano Letters, 2017, 17, 788-793.	4.5	91

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109	Understanding of Strain Effects in the Electrochemical Reduction of CO₂: Using Pd Nanostructures as an Ideal Platform. Angewandte Chemie, 2017, 129, 3648-3652.	1.6	112
110	Understanding of Strain Effects in the Electrochemical Reduction of CO₂: Using Pd Nanostructures as an Ideal Platform. Angewandte Chemie - International Edition, 2017, 56, 3594-3598.	7.2	303
111	2D Behaviors of Excitons in Cesium Lead Halide Perovskite Nanoplatelets. Journal of Physical Chemistry Letters, 2017, 8, 1161-1168.	2.1	115
112	Synthesis and metalâ€“support interaction of subnanometer copperâ€“palladium bimetallic oxide clusters for catalytic oxidation of carbon monoxide. Inorganic Chemistry Frontiers, 2017, 4, 668-674.	3.0	18
113	Integration of Photothermal Effect and Heat Insulation to Efficiently Reduce Reaction Temperature of CO₂ Hydrogenation. Small, 2017, 13, 1602583.	5.2	77
114	Engineering the Electrical Conductivity of Lamellar Silverâ€Doped Cobalt(II) Selenide Nanobelts for Enhanced Oxygen Evolution. Angewandte Chemie, 2017, 129, 334-338.	1.6	38
115	Engineering the Electrical Conductivity of Lamellar Silverâ€Doped Cobalt(II) Selenide Nanobelts for Enhanced Oxygen Evolution. Angewandte Chemie - International Edition, 2017, 56, 328-332.	7.2	172
116	Achieving Remarkable Activity and Durability toward Oxygen Reduction Reaction Based on Ultrathin Rh-Doped Pt Nanowires. Journal of the American Chemical Society, 2017, 139, 8152-8159.	6.6	265
117	Catalytically active ceria-supported cobaltâ€“manganese oxide nanocatalysts for oxidation of carbon monoxide. Physical Chemistry Chemical Physics, 2017, 19, 14533-14542.	1.3	23
118	Molybdenum Disulfideâ€“Black Phosphorus Hybrid Nanosheets as a Superior Catalyst for Electrochemical Hydrogen Evolution. Nano Letters, 2017, 17, 4311-4316.	4.5	211
119	More accurate depiction of adsorption energy on transition metals using work function as one additional descriptor. Physical Chemistry Chemical Physics, 2017, 19, 12628-12632.	1.3	44
120	Frontispiz: Supported Rhodium Catalysts for Ammoniaâ€“Borane Hydrolysis: Dependence of the Catalytic Activity on the Highest Occupied State of the Single Rhodium Atoms. Angewandte Chemie, 2017, 129, .	1.6	0
121	Frontispiece: Supported Rhodium Catalysts for Ammoniaâ€“Borane Hydrolysis: Dependence of the Catalytic Activity on the Highest Occupied State of the Single Rhodium Atoms. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
122	Supported Rhodium Catalysts for Ammoniaâ€“Borane Hydrolysis: Dependence of the Catalytic Activity on the Highest Occupied State of the Single Rhodium Atoms. Angewandte Chemie, 2017, 129, 4790-4796.	1.6	27
123	Supported Rhodium Catalysts for Ammoniaâ€“Borane Hydrolysis: Dependence of the Catalytic Activity on the Highest Occupied State of the Single Rhodium Atoms. Angewandte Chemie - International Edition, 2017, 56, 4712-4718.	7.2	173
124	Single-Molecule Nanocatalysis Reveals Facet-Dependent Catalytic Kinetics and Dynamics of Pallidium Nanoparticles. ACS Catalysis, 2017, 7, 2967-2972.	5.5	46
125	Plasmon-Modulated Excitation-Dependent Fluorescence from Activated CTAB Molecules Strongly Coupled to Gold Nanoparticles. Scientific Reports, 2017, 7, 43282.	1.6	15
126	Atomically thin cesium lead bromide perovskite quantum wires with high luminescence. Nanoscale, 2017, 9, 104-108.	2.8	45

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127	Incorporating nitrogen atoms into cobalt nanosheets as a strategy to boost catalytic activity toward CO2 hydrogenation. Nature Energy, 2017, 2, 869-876.	19.8	179
128	Gold atom-decorated CoSe₂nanobelts with engineered active sites for enhanced oxygen evolution. Journal of Materials Chemistry A, 2017, 5, 20202-20207.	5.2	57
129	High performance platinum single atom electrocatalyst for oxygen reduction reaction. Nature Communications, 2017, 8, 15938.	5.8	569
130	Conductive Tungsten Oxide Nanosheets for Highly Efficient Hydrogen Evolution. Nano Letters, 2017, 17, 7968-7973.	4.5	195
131	Precisely Controlled Synthesis of Pt-Pd Octahedral Nanoframes as a Superior Catalyst towards Oxygen Reduction Reaction. Chinese Journal of Chemical Physics, 2017, 30, 581-587.	0.6	3
132	Ptâ€“Cu hierarchical quasi great dodecahedrons with abundant twinning defects for hydrogen evolution. Chemical Communications, 2017, 53, 6922-6925.	2.2	22
133	Effect of Screw-Dislocation on Electrical Properties of Spiral-Type Bi2Se3 Nanoplates. Chinese Journal of Chemical Physics, 2016, 29, 687-692.	0.6	1
134	Pt₃Co Octapods as Superior Catalysts of CO₂ Hydrogenation. Angewandte Chemie - International Edition, 2016, 55, 9548-9552.	7.2	162
135	Innentitelbild: Pt₃Co Octapods as Superior Catalysts of CO₂ Hydrogenation (Angew. Chem. 33/2016). Angewandte Chemie, 2016, 128, 9594-9594.	1.6	1
136	Atomic-level insights in optimizing reaction paths for hydroformylation reaction over Rh/CoO single-atom catalyst. Nature Communications, 2016, 7, 14036.	5.8	281
137	Growth of metalâ€“semiconductor coreâ€“multishell nanorods with optimized field confinement and nonlinear enhancement. Nanoscale, 2016, 8, 11969-11975.	2.8	22
138	Integration of Kinetic Control and Lattice Mismatch To Synthesize Pd@AuCu Coreâ€“Shell Planar Tetrapods with Size-Dependent Optical Properties. Nano Letters, 2016, 16, 3036-3041.	4.5	58
139	Structural Determination of Catalytically Active Subnanometer Iron Oxide Clusters. ACS Catalysis, 2016, 6, 3072-3082.	5.5	33
140	Ethylenediaminetetraacetic acid-assisted synthesis of Bi2Se3 nanostructures with unique edge sites. Nano Research, 2016, 9, 2707-2714.	5.8	6
141	Contributions of distinct gold species to catalytic reactivity for carbon monoxide oxidation. Nature Communications, 2016, 7, 13481.	5.8	158
142	Engineering electrocatalytic activity in nanosized perovskite cobaltite through surface spin-state transition. Nature Communications, 2016, 7, 11510.	5.8	316
143	Pt₃Co Octapods as Superior Catalysts of CO₂ Hydrogenation. Angewandte Chemie, 2016, 128, 9700-9704.	1.6	20
144	Catalytic Kinetics of Different Types of Surface Atoms on Shaped Pd Nanocrystals. Angewandte Chemie - International Edition, 2016, 55, 1839-1843.	7.2	30

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145	Comparative study of the structure, mechanical and thermomechanical properties of cellulose nanopapers with different thickness. Cellulose, 2016, 23, 1375-1382.	2.4	33
146	Raman scattering enhanced within the plasmonic gap between an isolated Ag triangular nanoplate and Ag film. Nanotechnology, 2016, 27, 165401.	1.3	13
147	Nanoframes: Rational Design of Metal Nanoframes for Catalysis and Plasmonics (Small 22/2015). Small, 2015, 11, 2592-2592.	5.2	3
148	Direct Observation of Magneticâ€Ion Offâ€Centeringâ€Induced Ferroelectricity in Multiferroic Manganite Pr(Sr_{0.1}Ca_{0.9})₂Mn₂O₇. Advanced Materials, 2015, 27, 6328-6332.	11.1	14
149	Auâ€“Pd Alloy Octapods with High Electrocatalytic Activity for the Oxidation of Formic Acid. Particle and Particle Systems Characterization, 2015, 32, 295-300.	1.2	22
150	Controlling the lateral and vertical dimensions of Bi2Se3 nanoplates via seeded growth. Nano Research, 2015, 8, 246-256.	5.8	19
151	Rational Design of Metal Nanoframes for Catalysis and Plasmonics. Small, 2015, 11, 2593-2605.	5.2	121
152	Octahedral Pd@Pt_{1.8}Ni Coreâ€“Shell Nanocrystals with Ultrathin PtNi Alloy Shells as Active Catalysts for Oxygen Reduction Reaction. Journal of the American Chemical Society, 2015, 137, 2804-2807.	6.6	310
153	Synthesis of Multishell Nanoplates by Consecutive Epitaxial Growth of Bi₂Se₃ and Bi₂Te₃ Nanoplates and Enhanced Thermoelectric Properties. ACS Nano, 2015, 9, 6843-6853.	7.3	85
154	Chloride-induced shape transformation of silver nanoparticles in a water environment. Environmental Pollution, 2015, 204, 145-151.	3.7	27
155	Copper Nanocrystal Plane Effect on Stereoselectivity of Catalytic Deoxygenation of Aromatic Epoxides. Journal of the American Chemical Society, 2015, 137, 3791-3794.	6.6	50
156	Concave Cu-Pd bimetallic nanocrystals: Ligand-based Co-reduction and mechanistic study. Nano Research, 2015, 8, 2415-2430.	5.8	33
157	Aerobic Oxidation of Cyclohexane on Catalysts Based on Twinned and Single-Crystal Au₇₅Pd₂₅ Bimetallic Nanocrystals. Nano Letters, 2015, 15, 2875-2880.	4.5	92
158	One-pot synthesis of Bi2Se3 nanostructures with rationally tunable morphologies. Nano Research, 2015, 8, 3612-3620.	5.8	25
159	Ratio-Controlled Synthesis of CuNi Octahedra and Nanocubes with Enhanced Catalytic Activity. Journal of the American Chemical Society, 2015, 137, 14027-14030.	6.6	75
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