

# Juncai Dong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128  
papers

15,299  
citations

58  
h-index

123  
g-index

133  
ext. papers

20,437  
ext. citations

14  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
128	Low-Coordinated Co <sub>2</sub> N <sub>2</sub> C on Oxygenated Graphene for Efficient Electrocatalytic H <sub>2</sub> O <sub>2</sub> Production. <i>Advanced Functional Materials</i> , <b>2022</b> , 32, 2106886	15.6	16
127	Engineering Steam Induced Surface Oxygen Vacancy onto Ni-Fe Bimetallic Nanocomposite for CO Electroreduction.. <i>Small</i> , <b>2022</b> , 18, e2108034	11	2
126	Direct Synthesis of Stable 1T-MoS Doped with Ni Single Atoms for Water Splitting in Alkaline Media.. <i>Small</i> , <b>2022</b> , e2107238	11	4
125	Transient Solid-State Laser Activation of Indium for High-Performance Reduction of CO to Formate.. <i>Small</i> , <b>2022</b> , e2201311	11	5
124	Iodine-Doping-Induced Electronic Structure Tuning of Atomic Cobalt for Enhanced Hydrogen Evolution Electrocatalysis. <i>ACS Nano</i> , <b>2021</b> ,	16.7	8
123	Single-Atom Ru on AlO for Highly Active and Selective 1,2-Dichloroethane Catalytic Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 53683-53690	9.5	1
122	Thermal Atomization of Platinum Nanoparticles into Single Atoms: An Effective Strategy for Engineering High-Performance Nanozymes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 18643-18651	16.4	26
121	Edge-hosted Fe-N <sub>3</sub> sites on a multiscale porous carbon framework combining high intrinsic activity with efficient mass transport for oxygen reduction. <i>Chem Catalysis</i> , <b>2021</b> ,		16
120	High-Loading Single-Atomic-Site Silver Catalysts with an Ag <sub>1</sub> Co <sub>2</sub> N <sub>1</sub> Structure Showing Superior Performance for Epoxidation of Styrene. <i>ACS Catalysis</i> , <b>2021</b> , 11, 4946-4954	13.1	13
119	Molecular Scalpel to Chemically Cleave Metal-Organic Frameworks for Induced Phase Transition. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6681-6690	16.4	26
118	Optimized MoP with Pseudo-Single-Atom Tungsten for Efficient Hydrogen Electrocatalysis. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3639-3649	9.6	4
117	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. <i>Nature Catalysis</i> , <b>2021</b> , 4, 407-417	36.5	134
116	A heterogeneous iridium single-atom-site catalyst for highly regioselective carbenoid O-H bond insertion. <i>Nature Catalysis</i> , <b>2021</b> , 4, 523-531	36.5	28
115	Engineering the Coordination Sphere of Isolated Active Sites to Explore the Intrinsic Activity in Single-Atom Catalysts. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 136	19.5	28
114	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 3212-3221	16.4	180
113	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 3249-3258	3.6	22
112	A rational design of an efficient counter electrode with the Co/Co <sub>1</sub> P <sub>1</sub> N <sub>3</sub> atomic interface for promoting catalytic performance. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 3085-3092	7.8	5

111	Superior-Performance Aqueous Zinc-Ion Batteries Based on the Growth of MnO Nanosheets on VCT MXene. <i>ACS Nano</i> , <b>2021</b> , 15, 2971-2983	16.7	73
110	Cobalt single atom site catalysts with ultrahigh metal loading for enhanced aerobic oxidation of ethylbenzene. <i>Nano Research</i> , <b>2021</b> , 14, 2418	10	99
109	Carbon-supported layered double hydroxide nanodots for efficient oxygen evolution: Active site identification and activity enhancement. <i>Nano Research</i> , <b>2021</b> , 14, 3329-3336	10	5
108	Systemic contact dermatitis caused by acupuncture: A neglected route of allergen entry. <i>Contact Dermatitis</i> , <b>2021</b> , 85, 102-105	2.7	1
107	Design of Aligned Porous Carbon Films with Single-Atom Co-N-C Sites for High-Current-Density Hydrogen Generation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103533	24	21
106	Studies on Location of Acupoints with X-ray Fluorescence Analysis Based on Synchrotron Radiation. <i>Journal of Medical Imaging and Health Informatics</i> , <b>2021</b> , 11, 2178-2183	1.2	
105	Atomically dispersed S-Fe-N <sub>4</sub> for fast kinetics sodium-sulfur batteries via a dual function mechanism. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100531	6.1	9
104	Observation of pressure induced charge density wave order and eightfold structure in bulk VSe. <i>Scientific Reports</i> , <b>2021</b> , 11, 18157	4.9	
103	Constructing a Graphene-Encapsulated Amorphous/Crystalline Heterophase NiFe Alloy by Microwave Thermal Shock for Boosting the Oxygen Evolution Reaction. <i>ACS Catalysis</i> , <b>2021</b> , 11, 12284-12292	13.1	21
102	Simultaneous oxidative and reductive reactions in one system by atomic design. <i>Nature Catalysis</i> , <b>2021</b> , 4, 134-143	36.5	40
101	N-Bridged Co <sub>2</sub> Ni: new bimetallic sites for promoting electrochemical CO <sub>2</sub> reduction. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3019-3028	35.4	38
100	Manipulation on active electronic states of metastable phase NiMoO for large current density hydrogen evolution. <i>Nature Communications</i> , <b>2021</b> , 12, 5960	17.4	11
99	Recent Progress of Carbon-Supported Single-Atom Catalysts for Energy Conversion and Storage. <i>Matter</i> , <b>2020</b> , 3, 1442-1476	12.7	103
98	Engineering a metal-organic framework derived Mn-N-C S atomic interface for highly efficient oxygen reduction reaction. <i>Chemical Science</i> , <b>2020</b> , 11, 5994-5999	9.4	59
97	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , <b>2020</b> , 12, 764-772	17.6	207
96	Engineering unsymmetrically coordinated Cu-SN single atom sites with enhanced oxygen reduction activity. <i>Nature Communications</i> , <b>2020</b> , 11, 3049	17.4	210
95	O-coordinated W-Mo dual-atom catalyst for pH-universal electrocatalytic hydrogen evolution. <i>Science Advances</i> , <b>2020</b> , 6, eaba6586	14.3	123
94	Engineering Isolated Mn-NC Atomic Interface Sites for Efficient Bifunctional Oxygen Reduction and Evolution Reaction. <i>Nano Letters</i> , <b>2020</b> , 20, 5443-5450	11.5	135

93	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 10738-10744	3.6	31
92	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10651-10657	16.4	148
91	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 390-397	28.7	208
90	Etching-Doping Sedimentation Equilibrium Strategy: Accelerating Kinetics on Hollow Rh-Doped CoFe-Layered Double Hydroxides for Water Splitting. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2003556	15.6	64
89	Anomalous lattice stiffening in tungsten tetraboride solid solutions with manganese under compression. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 165702	1.8	1
88	Localized Ostwald Ripening Guided Dissolution/Regrowth to Ancient Chinese Coin-shaped VO <sub>2</sub> Nanoplates with Enhanced Mass Transfer for Zinc Ion Storage. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000472	15.6	42
87	Extraordinary local structure deformation of superhard tungsten tetraboride under compression. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 817, 152989	5.7	1
86	Subnanometer iron clusters confined in a porous carbon matrix for highly efficient zinc-air batteries. <i>Nanoscale Horizons</i> , <b>2020</b> , 5, 359-365	10.8	18
85	Dynamic evolution of isolated Ru@P atomic interface sites for promoting the electrochemical hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 22607-22612	13	16
84	Discovery of main group single Sb <sub>4</sub> active sites for CO <sub>2</sub> electroreduction to formate with high efficiency. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 2856-2863	35.4	113
83	Gram-Scale Synthesis of High-Loading Single-Atomic-Site Fe Catalysts for Effective Epoxidation of Styrene. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000896	24	78
82	Prediction of topological nontrivial semimetals and pressure-induced Lifshitz transition in 1TRMoS layered bulk polytypes. <i>Nanoscale</i> , <b>2020</b> , 12, 22710-22717	7.7	2
81	Controlled oxygen vacancy engineering on In <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> nanotubes for highly selective and efficient electrocatalytic nitrogen reduction. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 3609-3619	6.8	7
80	Structural transformation of highly active metal-organic framework electrocatalysts during the oxygen evolution reaction. <i>Nature Energy</i> , <b>2020</b> , 5, 881-890	62.3	280
79	Design of a Single-Atom Indium-N Interface for Efficient Electroreduction of CO to Formate. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 22465-22469	16.4	102
78	Design of a Single-Atom Indium-N <sub>4</sub> Interface for Efficient Electroreduction of CO <sub>2</sub> to Formate. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 22651-22655	3.6	12
77	In Situ Phosphatizing of Triphenylphosphine Encapsulated within Metal-Organic Frameworks to Design Atomic Co-PN Interfacial Structure for Promoting Catalytic Performance. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8431-8439	16.4	123
76	Effect of Nd/Mn substitution on the structure and magnetic properties of nano-BiFeO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 786, 385-393	5.7	9

75	Coordination mode engineering in stacked-nanosheet metal-organic frameworks to enhance catalytic reactivity and structural robustness. <i>Nature Communications</i> , <b>2019</b> , 10, 2779	17.4	52
74	Two-Step Carbothermal Welding To Access Atomically Dispersed Pd on Three-Dimensional Zirconia Nanonet for Direct Indole Synthesis. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10590-10594	16.4	66
73	Structural changes in hexagonal WO <sub>3</sub> under high pressure. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 797, 1013-1017	5.7	4
72	Engineering the electronic structure of single atom Ru sites via compressive strain boosts acidic water oxidation electrocatalysis. <i>Nature Catalysis</i> , <b>2019</b> , 2, 304-313	36.5	420
71	Pressure-induced phase transitions and structural evolution across the insulator-metal transition in bulk and nanoscale BiFeO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 265404	1.8	3
70	2D MOF induced accessible and exclusive Co single sites for an efficient O-silylation of alcohols with silanes. <i>Chemical Communications</i> , <b>2019</b> , 55, 6563-6566	5.8	25
69	Atomically Dispersed Ruthenium Species Inside Metal-Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4271-4275	16.4	92
68	Atomically Dispersed Ruthenium Species Inside Metal-Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4315-4319	36.6	12
67	Acid-stimulated bioassembly of high-performance quantum dots in Escherichia coli. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 18480-18487	13	11
66	P-Doped NiMoO <sub>4</sub> parallel arrays anchored on cobalt carbonate hydroxide with oxygen vacancies and mass transfer channels for supercapacitors and oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19589-19596	13	40
65	Selective Production of Diethyl Maleate via Oxidative Cleavage of Lignin Aromatic Unit. <i>CheM</i> , <b>2019</b> , 5, 2365-2377	16.2	31
64	Nonrandomly Distributed Tungsten Vacancies and Interstitial Boron Trimers in Tungsten Tetraboride. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 29314-29323	3.8	4
63	Single atom electrocatalysts supported on graphene or graphene-like carbons. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 5207-5241	58.5	238
62	Intramolecular electronic coupling in porous iron cobalt (oxy)phosphide nanoboxes enhances the electrocatalytic activity for oxygen evolution. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 3348-3355	35.4	147
61	Molecular nitrogen promotes catalytic hydrodeoxygenation. <i>Nature Catalysis</i> , <b>2019</b> , 2, 1078-1087	36.5	33
60	Atomic interface effect of a single atom copper catalyst for enhanced oxygen reduction reactions. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 3508-3514	35.4	146
59	Local insight into the La-induced structural phase transition in multiferroic BiFeO <sub>3</sub> ceramics by x-ray absorption fine structure spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 085402	1.8	5
58	Ultrasmall MoO <sub>3</sub> Clusters as a Novel Cocatalyst for Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , <b>2019</b> , 31, e1804883	24	82

57	Revealing the Active Species for Aerobic Alcohol Oxidation by Using Uniform Supported Palladium Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4642-4646	16.4	62
56	Manganese deception on graphene and implications in catalysis. <i>Carbon</i> , <b>2018</b> , 132, 623-631	10.4	48
55	Revealing the Active Species for Aerobic Alcohol Oxidation by Using Uniform Supported Palladium Catalysts. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 4732-4736	3.6	15
54	Dynamic traction of lattice-confined platinum atoms into mesoporous carbon matrix for hydrogen evolution reaction. <i>Science Advances</i> , <b>2018</b> , 4, eaao6657	14.3	344
53	Defect Effects on TiO Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705369	24	474
52	Interface engineered in situ anchoring of CoS nanoparticles into a multiple doped carbon matrix: highly efficient zinc-air batteries. <i>Nanoscale</i> , <b>2018</b> , 10, 2649-2657	7.7	53
51	Surface step decoration of isolated atom as electron pumping: Atomic-level insights into visible-light hydrogen evolution. <i>Nano Energy</i> , <b>2018</b> , 45, 109-117	17.1	80
50	General synthesis and definitive structural identification of MN4C4 single-atom catalysts with tunable electrocatalytic activities. <i>Nature Catalysis</i> , <b>2018</b> , 1, 63-72	36.5	968
49	Scale-Up Biomass Pathway to Cobalt Single-Site Catalysts Anchored on N-Doped Porous Carbon Nanobelt with Ultrahigh Surface Area. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1802167	15.6	78
48	Microwave-Assisted Rapid Synthesis of Graphene-Supported Single Atomic Metals. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802146	24	172
47	Local structural changes during the disordered substitutional alloy transition in Bi2Te3 by high-pressure XAFS. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 065901	2.5	6
46	Discovering Partially Charged Single-Atom Pt for Enhanced Anti-Markovnikov Alkene Hydrosilylation. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 7407-7410	16.4	147
45	Carbon nitride supported Fe cluster catalysts with superior performance for alkene epoxidation. <i>Nature Communications</i> , <b>2018</b> , 9, 2353	17.4	162
44	Efficient and Robust Hydrogen Evolution: Phosphorus Nitride Imide Nanotubes as Supports for Anchoring Single Ruthenium Sites. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 9639-9644	3.6	21
43	Single Tungsten Atoms Supported on MOF-Derived N-Doped Carbon for Robust Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800396	24	302
42	Efficient and Robust Hydrogen Evolution: Phosphorus Nitride Imide Nanotubes as Supports for Anchoring Single Ruthenium Sites. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9495-9500	16.4	140
41	Single-Site Au Catalyst for Silane Oxidation with Water. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704720	24	84
40	Enhanced oxygen reduction with single-atomic-site iron catalysts for a zinc-air battery and hydrogen-air fuel cell. <i>Nature Communications</i> , <b>2018</b> , 9, 5422	17.4	431

39	Single-atomic cobalt sites embedded in hierarchically ordered porous nitrogen-doped carbon as a superior bifunctional electrocatalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 12692-12697	11.5	222
38	A cocoon silk chemistry strategy to ultrathin N-doped carbon nanosheet with metal single-site catalysts. <i>Nature Communications</i> , <b>2018</b> , 9, 3861	17.4	132
37	One-Pot Pyrolysis to N-Doped Graphene with High-Density Pt Single Atomic Sites as Heterogeneous Catalyst for Alkene Hydrosilylation. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10004-10011	13.1	75
36	In Situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surface-Bound Nickel Single-Atom Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14095-14100	16.4	206
35	In Situ Thermal Atomization To Convert Supported Nickel Nanoparticles into Surface-Bound Nickel Single-Atom Catalysts. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14291-14296	3.6	30
34	Comparative investigation of the vibrational properties of bulk 2HMoS <sub>2</sub> and its exfoliated nanosheets under high pressure. <i>Journal of Raman Spectroscopy</i> , <b>2017</b> , 48, 596-600	2.3	5
33	Ni Coordination to an Al-Based Metal-Organic Framework Made from 2-Aminoterephthalate for Photocatalytic Overall Water Splitting. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3082-3086	3.6	29
32	Ni Coordination to an Al-Based Metal-Organic Framework Made from 2-Aminoterephthalate for Photocatalytic Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3036-3040	16.4	128
31	Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6937-6941	16.4	1138
30	Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7041-7045	3.6	241
29	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7294-7301	16.4	238
28	Innenrücktitelbild: Isolated Single Iron Atoms Anchored on N-Doped Porous Carbon as an Efficient Electrocatalyst for the Oxygen Reduction Reaction (Angew. Chem. 24/2017). <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7107-7107	3.6	5
27	Anomalous radial and angular strain relaxation around dilute p-, isoelectronic-, and n-type dopants in Si crystal. <i>Physica B: Condensed Matter</i> , <b>2017</b> , 506, 198-204	2.8	
26	Bi-centric view of the isostructural phase transitions in Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>2</sub> Te <sub>3</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700007	1.3	8
25	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16086-16090	16.4	299
24	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16302-16306	3.6	66
23	Directed Biofabrication of Nanoparticles through Regulating Extracellular Electron Transfer. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12149-12152	16.4	42
22	Design of ultrathin Pt-Mo-Ni nanowire catalysts for ethanol electrooxidation. <i>Science Advances</i> , <b>2017</b> , 3, e1603068	14.3	181

21	Hydrodeoxygenation of water-insoluble bio-oil to alkanes using a highly dispersed Pd-Mo catalyst. <i>Nature Communications</i> , <b>2017</b> , 8, 591	17.4	69
20	Revisiting local structural changes in GeO glass at high pressure. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 465401	1.8	4
19	Metal (Hydr)oxides@Polymer Core-Shell Strategy to Metal Single-Atom Materials. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10976-10979	16.4	193
18	Bi-centric view of the isostructural phase transitions in $\text{Bi}_2\text{Se}_3$ and $\text{Bi}_2\text{Te}_3$ (Phys. Status Solidi B 7/2017). <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1770238	1.3	
17	Confined Pyrolysis within Metal-Organic Frameworks To Form Uniform Ru Clusters for Efficient Oxidation of Alcohols. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9795-9798	16.4	157
16	Single-Atomic Ruthenium Catalytic Sites on Nitrogen-Doped Graphene for Oxygen Reduction Reaction in Acidic Medium. <i>ACS Nano</i> , <b>2017</b> , 11, 6930-6941	16.7	327
15	Uncoordinated Amine Groups of Metal-Organic Frameworks to Anchor Single Ru Sites as Chemoselective Catalysts toward the Hydrogenation of Quinoline. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9419-9422	16.4	389
14	Ultrathin metal-organic framework nanosheets for electrocatalytic oxygen evolution. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	1444
13	High-pressure, high-temperature synthesis and properties of the monoclinic phase of $\text{Y}_2\text{O}_3$ . <i>Chemical Research in Chinese Universities</i> , <b>2016</b> , 32, 545-548	2.2	2
12	Efficient Visible-Light-Driven Carbon Dioxide Reduction by a Single-Atom Implanted Metal-Organic Framework. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14522-14526	3.6	124
11	A bismuth based layer structured organic-inorganic hybrid material with enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 469, 231-236	9.3	14
10	Toward a Unified Identification of Ti Location in the MFI Framework of High-Ti-Loaded TS-1: Combined EXAFS, XANES, and DFT Study. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 20114-20124	3.8	26
9	Efficient Visible-Light-Driven Carbon Dioxide Reduction by a Single-Atom Implanted Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14310-14314	16.4	450
8	Universal elastic-hardening-driven mechanical instability in $\alpha$ -quartz and quartz homeotypes under pressure. <i>Scientific Reports</i> , <b>2015</b> , 5, 10810	4.9	3
7	Identification and quantification of seleno-proteins by 2-DE-SR-XRF in selenium-enriched yeasts. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 1408-1413	3.7	9
6	Atomic cobalt on nitrogen-doped graphene for hydrogen generation. <i>Nature Communications</i> , <b>2015</b> , 6, 8668	17.4	1077
5	Anharmonicity and local lattice distortion in strained Ge-dilute $\text{Si}_{1-x}\text{Ge}_x$ alloy. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 653, 117-121	5.7	2
4	Pressure-induced drastic collapse of a high oxygen coordination shell in quartz-like $\text{GeO}_2$ . <i>New Journal of Physics</i> , <b>2014</b> , 16, 023022	2.9	9

3	Suppression of Bragg reflection glitches of a single-crystal diamond anvil cell by a polycapillary half-lens in high-pressure XAFS spectroscopy. <i>Journal of Synchrotron Radiation</i> , <b>2013</b> , 20, 243-8	2.4	17
2	Pressure-induced phase transitions of multiferroic BiFeO <sub>3</sub> . <i>Chinese Physics C</i> , <b>2013</b> , 37, 128001	2.2	4
1	Surface Molecular Encapsulation with Cyclodextrin in Promoting the Activity and Stability of Fe Single Atom Catalyst for Oxygen Reduction Reaction. <i>Energy and Environmental Materials</i> ,	13	1