

# Yu Wang

## List of Publications by Year in descending order

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141  
papers

21,722  
citations

15466

65  
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10127

140  
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143  
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143  
docs citations

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times ranked

19392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ce:GdYAG phosphor-in-glass: An innovative yellow-emitting color converter for solid-state laser lighting. <i>Journal of Materials Science and Technology</i> , 2023, 134, 42-49.	5.6	13
2	Atomic-level insights into the steric hindrance effect of single-atom Pd catalyst to boost the synthesis of dimethyl carbonate. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120922.	10.8	22
3	Heterostructures induced between platinum nanoparticles and vanadium carbide boosting hydrogen evolution reaction. <i>Applied Catalysis A: General</i> , 2022, 633, 118512.	2.2	7
4	Bi/Zn Dual Single-Atom Catalysts for Electroreduction of CO <sub>2</sub> to Syngas. <i>ChemCatChem</i> , 2022, 14, .	1.8	37
5	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	27
6	Engineering the Local Atomic Environments of Indium Single-Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	127
7	Complementary Operando Spectroscopy identification of in-situ generated metastable charge-asymmetry Cu <sub>2</sub> -CuN <sub>3</sub> clusters for CO <sub>2</sub> reduction to ethanol. <i>Nature Communications</i> , 2022, 13, 1322.	5.8	113
8	Why heterogeneous single-atom catalysts preferentially produce CO in the electrochemical CO <sub>2</sub> reduction reaction. <i>Chemical Science</i> , 2022, 13, 6366-6372.	3.7	35
9	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. <i>Nature Catalysis</i> , 2022, 5, 300-310.	16.1	175
10	Bidirectional modulation interaction between monatomic Pt and Tin+ sites on Ti <sub>4</sub> O <sub>7</sub> for high-efficiency and durable oxygen reduction. <i>Journal of Catalysis</i> , 2022, 411, 149-157.	3.1	7
11	High-performance and heat-resistant Ce:YAG phosphor in glass for laser lighting. <i>Journal of Alloys and Compounds</i> , 2022, 921, 166083.	2.8	17
12	Atomically dispersed Ni-Ru-P interface sites for high-efficiency pH-universal electrocatalysis of hydrogen evolution. <i>Nano Energy</i> , 2021, 80, 105467.	8.2	114
13	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4192-4198.	7.2	183
14	Silver Single-Atom Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6170-6176.	7.2	236
15	Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2021, 133, 4238-4244.	1.6	20
16	Silver Single-Atom Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. <i>Angewandte Chemie</i> , 2021, 133, 6235-6241.	1.6	22
17	N coupling with S-coordinated Ru nanoclusters for highly efficient hydrogen evolution in alkaline media. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12659-12669.	5.2	26
18	Notched-Polyoxometalate Strategy to Fabricate Atomically Dispersed Ru Catalysts for Biomass Conversion. <i>ACS Catalysis</i> , 2021, 11, 2669-2675.	5.5	34

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19	Highly Boosted Reaction Kinetics in Carbon Dioxide Electroreduction by Surface-Introduced Electronegative Dopants. <i>Advanced Functional Materials</i> , 2021, 31, 2008146.	7.8	88
20	A porous heterostructure catalyst for oxygen evolution: synergy between IrP <sub>2</sub> nanocrystals and ultrathin P,N-codoped carbon nanosheets. <i>Nanotechnology</i> , 2021, 32, 245402.	1.3	4
21	Recent Advances in Pt-Based Ultrathin Nanowires: Synthesis and Electrocatalytic Applications. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1389-1396.	2.6	16
22	High-Loading Single-Atomic-Site Silver Catalysts with an Ag <sub>1</sub> C <sub>2</sub> N <sub>1</sub> Structure Showing Superior Performance for Epoxidation of Styrene. <i>ACS Catalysis</i> , 2021, 11, 4946-4954.	5.5	62
23	A Supported Pd <sub>2</sub> Dual-Atom Site Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2021, 133, 13500-13505.	1.6	29
24	Theoretical screening of VSe <sub>2</sub> as support for enhanced electrocatalytic performance of transition-metal single atoms. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 210-218.	5.0	28
25	A Supported Pd <sub>2</sub> Dual-Atom Site Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13388-13393.	7.2	201
26	Matching the kinetics of natural enzymes with a single-atom iron nanozyme. <i>Nature Catalysis</i> , 2021, 4, 407-417.	16.1	517
27	The Electronic Metal-Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. <i>Angewandte Chemie</i> , 2021, 133, 19233-19239.	1.6	149
28	The Electronic Metal-Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19085-19091.	7.2	189
29	Polyoxometalate-Based Metal-Organic Framework as Molecular Sieve for Highly Selective Semi-Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. <i>Angewandte Chemie</i> , 2021, 133, 22696-22702.	1.6	10
30	An N,S-Anchored Single-Atom Catalyst Derived from Domestic Waste for Environmental Remediation. <i>ACS ES&amp;T Engineering</i> , 2021, 1, 1460-1469.	3.7	33
31	Promotional effect of ZrO <sub>2</sub> and WO <sub>3</sub> on bimetallic Pt-Pd diesel oxidation catalyst. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	4
32	Polyoxometalate-Based Metal-Organic Framework as Molecular Sieve for Highly Selective Semi-Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22522-22528.	7.2	112
33	Creating High Regioselectivity by Electronic Metal-Support Interaction of a Single-Atomic-Site Catalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 15453-15461.	6.6	88
34	Tandem catalyzing the hydrodeoxygenation of 5-hydroxymethylfurfural over a Ni <sub>3</sub> Fe intermetallic supported Pt single-atom site catalyst. <i>Chemical Science</i> , 2021, 12, 4139-4146.	3.7	33
35	Ru <sub>1</sub> Co <sub>n</sub> Single-Atom Alloy for Enhancing Fischer-Tropsch Synthesis. <i>ACS Catalysis</i> , 2021, 11, 1886-1896.	5.5	49
36	Single-Atom Ru on Al <sub>2</sub> O <sub>3</sub> for Highly Active and Selective 1,2-Dichloroethane Catalytic Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 53683-53690.	4.0	16

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37	Phase and interface engineering of nickel carbide nanobranches for efficient hydrogen oxidation catalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26323-26329.	5.2	12
38	Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1295-1301.	7.2	344
39	Atomically dispersed Fe atoms anchored on COF-derived N-doped carbon nanospheres as efficient multi-functional catalysts. <i>Chemical Science</i> , 2020, 11, 786-790.	3.7	110
40	Discovery of main group single Sb <sup>4+</sup> active sites for CO <sub>2</sub> electroreduction to formate with high efficiency. <i>Energy and Environmental Science</i> , 2020, 13, 2856-2863.	15.6	245
41	Design of a Single-Atom Indium <sup>+</sup> Interface for Efficient Electroreduction of CO <sub>2</sub> to Formate. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22465-22469.	7.2	232
42	Design of a Single-Atom Indium <sup>+</sup> Interface for Efficient Electroreduction of CO <sub>2</sub> to Formate. <i>Angewandte Chemie</i> , 2020, 132, 22651-22655.	1.6	29
43	Achieving delafossite analog by in situ electrochemical self-reconstruction as an oxygen-evolving catalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21906-21913.	3.3	67
44	Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. <i>ACS Nano</i> , 2020, 14, 17640-17651.	7.3	56
45	Engineering a metal-organic framework derived Mn <sub>4</sub> C <sub>x</sub> S <sub>y</sub> atomic interface for highly efficient oxygen reduction reaction. <i>Chemical Science</i> , 2020, 11, 5994-5999.	3.7	113
46	Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general host-guest strategy. <i>Nature Chemistry</i> , 2020, 12, 764-772.	6.6	452
47	Engineering unsymmetrically coordinated Cu-S <sub>1</sub> N <sub>3</sub> single atom sites with enhanced oxygen reduction activity. <i>Nature Communications</i> , 2020, 11, 3049.	5.8	537
48	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16013-16022.	7.2	151
49	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2020, 132, 10738-10744.	1.6	49
50	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10651-10657.	7.2	314
51	Fabricating Pd isolated single atom sites on C <sub>3</sub> N <sub>4</sub> /rGO for heterogenization of homogeneous catalysis. <i>Nano Research</i> , 2020, 13, 947-951.	5.8	65
52	Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. <i>Nature Nanotechnology</i> , 2020, 15, 390-397.	15.6	420
53	Highly Efficient Hydrogenation of Nitroarenes by N-Doped Carbon-Supported Cobalt Single-Atom Catalyst in Ethanol/Water Mixed Solvent. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34021-34031.	4.0	56
54	Fabricating Dual-Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. <i>Angewandte Chemie</i> , 2020, 132, 16147-16156.	1.6	19

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55	Activating low-temperature diesel oxidation by single-atom Pt on TiO <sub>2</sub> nanowire array. <i>Nature Communications</i> , 2020, 11, 1062.	5.8	90
56	MOF derived high-density atomic platinum heterogeneous catalyst for C-H bond activation. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1158-1163.	3.2	19
57	Efficient Nitrate Synthesis via Ambient Nitrogen Oxidation with Ru-Doped TiO <sub>2</sub> /RuO <sub>2</sub> Electrocatalysts. <i>Advanced Materials</i> , 2020, 32, e2002189.	11.1	125
58	Efficient alkaline hydrogen evolution on atomically dispersed Ni-N Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. <i>Energy and Environmental Science</i> , 2019, 12, 149-156.	15.6	416
59	Strain Regulation to Optimize the Acidic Water Oxidation Performance of Atomic Layer IrO <sub>x</sub> . <i>Advanced Materials</i> , 2019, 31, e1903616.	11.1	121
60	Spontaneous Delithiation under <i>Operando</i> Condition Triggers Formation of an Amorphous Active Layer in Spinel Cobalt Oxides Electrocatalyst toward Oxygen Evolution. <i>ACS Catalysis</i> , 2019, 9, 7389-7397.	5.5	52
61	Mesoporous Nitrogen-Doped Carbon-Nanosphere-Supported Isolated Single-Atom Pd Catalyst for Highly Efficient Semihydrogenation of Acetylene. <i>Advanced Materials</i> , 2019, 31, e1901024.	11.1	146
62	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. <i>Nature Communications</i> , 2019, 10, 4875.	5.8	253
63	Electrochemically accessing ultrathin Co (oxy)-hydroxide nanosheets and <i>operando</i> identifying their active phase for the oxygen evolution reaction. <i>Energy and Environmental Science</i> , 2019, 12, 739-746.	15.6	163
64	Bismuth Single Atoms Resulting from Transformation of Metal-Organic Frameworks and Their Use as Electrocatalysts for CO <sub>2</sub> Reduction. <i>Journal of the American Chemical Society</i> , 2019, 141, 16569-16573.	6.6	501
65	Topological self-template directed synthesis of multi-shelled intermetallic Ni <sub>3</sub> Ga hollow microspheres for the selective hydrogenation of alkyne. <i>Chemical Science</i> , 2019, 10, 614-619.	3.7	31
66	Boosting Oxygen Reduction Catalysis with Fe-N Sites Decorated Porous Carbons toward Fuel Cells. <i>ACS Catalysis</i> , 2019, 9, 2158-2163.	5.5	297
67	A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. <i>Journal of the American Chemical Society</i> , 2019, 141, 9305-9311.	6.6	191
68	<i>In situ</i> growth of a POMOF-derived nitride based composite on Cu foam to produce hydrogen with enhanced water dissociation kinetics. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13559-13566.	5.2	39
69	Universal Anticancer Cu(DTC) <sub>2</sub> Discriminates between Thiols and Zinc(II) Thiolates Oxidatively. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6070-6073.	7.2	14
70	Engineering the electronic structure of single atom Ru sites via compressive strain boosts acidic water oxidation electrocatalysis. <i>Nature Catalysis</i> , 2019, 2, 304-313.	16.1	757
71	Carbon nitride supported Ni <sub>0.5</sub> Co <sub>0.5</sub> O nanoparticles with strong interfacial interaction to enhance the hydrolysis of ammonia borane. <i>RSC Advances</i> , 2019, 9, 11552-11557.	1.7	13
72	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> , 2019, 58, 4271-4275.	7.2	162

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73	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> , 2019, 131, 4315-4319.	1.6	25
74	Atomic interface effect of a single atom copper catalyst for enhanced oxygen reduction reactions. <i>Energy and Environmental Science</i> , 2019, 12, 3508-3514.	15.6	278
75	$Mg_{3+}Sb_xBi_{2x}$ Family: A Promising Substitute for the State-of-the-Art n-Type Thermoelectric Materials near Room Temperature. <i>Advanced Functional Materials</i> , 2019, 29, 1807235.	7.8	98
76	Revealing the Active Species for Aerobic Alcohol Oxidation by Using Uniform Supported Palladium Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4642-4646.	7.2	93
77	Role of local structure distortion in the suppression of superconductivity for Eu <sub>3</sub> -Sr Bi <sub>2</sub> S <sub>4</sub> F <sub>4</sub> system. <i>Journal of Alloys and Compounds</i> , 2018, 743, 547-552.	2.8	6
78	A Polymer Encapsulation Strategy to Synthesize Porous Nitrogen-Doped Carbon Nanosphere-Supported Metal Isolated Single-Atomic-Site Catalysts. <i>Advanced Materials</i> , 2018, 30, e1706508.	11.1	266
79	An overview on the research of Sr <sub>2</sub> IrO <sub>4</sub> -based system probed by X-ray absorption spectroscopy. <i>Modern Physics Letters B</i> , 2018, 32, 1850094.	1.0	0
80	PtAl truncated octahedron nanocrystals for improved formic acid electrooxidation. <i>Chemical Communications</i> , 2018, 54, 3951-3954.	2.2	12
81	Tris-amidoximate uranyl complexes via $\eta^2$ binding mode coordinated in aqueous solution shown by X-ray absorption spectroscopy and density functional theory methods. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 514-522.	1.0	12
82	Molten-salt synthesis of porous La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>2.9</sub> perovskite as an efficient electrocatalyst for oxygen evolution. <i>Nano Research</i> , 2018, 11, 4796-4805.	5.8	35
83	Ultrathin bismuth nanosheets from in situ topotactic transformation for selective electrocatalytic CO <sub>2</sub> reduction to formate. <i>Nature Communications</i> , 2018, 9, 1320.	5.8	658
84	Defect Effects on TiO <sub>2</sub> Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. <i>Advanced Materials</i> , 2018, 30, 1705369.	11.1	751
85	Single Pt Atoms Confined into a Metal-Organic Framework for Efficient Photocatalysis. <i>Advanced Materials</i> , 2018, 30, 1705112.	11.1	599
86	Synergistic effect of an atomically dual-metal doped catalyst for highly efficient oxygen evolution. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6840-6846.	5.2	113
87	In situ trapped high-density single metal atoms within graphene: Iron-containing hybrids as representatives for efficient oxygen reduction. <i>Nano Research</i> , 2018, 11, 2217-2228.	5.8	108
88	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> , 2018, 115, 12692-12697.	3.3	325
89	Enhanced insulating behavior in the Ir-vacant Sr <sub>2</sub> Ir <sub>1-x</sub> O <sub>4</sub> system dominated by the local structure distortion. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 1123-1128.	1.0	2
90	Efficient hydrogen evolution catalyzed by amorphous molybdenum sulfide/N-doped active carbon hybrid on carbon fiber paper. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15135-15143.	3.8	14

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91	<i>Operando</i> X-ray spectroscopic tracking of self-reconstruction for anchored nanoparticles as high-performance electrocatalysts towards oxygen evolution. <i>Energy and Environmental Science</i> , 2018, 11, 2945-2953.	15.6	157
92	Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. <i>Nature Nanotechnology</i> , 2018, 13, 856-861.	15.6	741
93	Fabricating Quasi-Free-Standing Graphene on a SiC(0001) Surface by Steerable Intercalation of Iron. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21484-21492.	1.5	23
94	<i>Operando</i> Spectroscopic Identification of Active Sites in NiFe Prussian Blue Analogues as Electrocatalysts: Activation of Oxygen Atoms for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 11286-11292.	6.6	328
95	Highly Active Surface Structure in Nanosized Spinel Cobalt-Based Oxides for Electrocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14447-14458.	1.5	24
96	Single Tungsten Atoms Supported on MOF-Derived N-Doped Carbon for Robust Electrochemical Hydrogen Evolution. <i>Advanced Materials</i> , 2018, 30, e1800396.	11.1	427
97	Investigation of the fine structure around the copper site in copper/zinc superoxide dismutase by XANES combined with ab initio calculations. <i>Radiation Physics and Chemistry</i> , 2017, 137, 88-92.	1.4	2
98	Enhanced electrochemical sensing arsenic(III) with excellent anti-interference using amino-functionalized graphene oxide decorated gold microelectrode: XPS and XANES evidence. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 230-237.	4.0	60
99	A critical point in Sr <sub>2</sub> -IrO <sub>4</sub> and less distorted IrO <sub>6</sub> octahedra induced by deep Sr-vacancies. <i>Materials Research Bulletin</i> , 2017, 90, 1-7.	2.7	8
100	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. <i>Journal of the American Chemical Society</i> , 2017, 139, 7294-7301.	6.6	354
101	Manifestation of the structural stability of Mg-doped Zn <sub>4</sub> Sb <sub>3</sub> via atomic fine structure investigation. <i>Solid State Communications</i> , 2017, 261, 26-31.	0.9	2
102	Electron Transfer and Local Atomic Displacement in Sr <sub>1-x</sub> Ce <sub>x</sub> BiS <sub>2</sub> Revealed by X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8525-8530.	1.5	9
103	Tuning phase transitions in FeSe thin flakes by field-effect transistor with solid ion conductor as the gate dielectric. <i>Physical Review B</i> , 2017, 95, .	1.1	77
104	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16086-16090.	7.2	431
105	Rational Design of Single Molybdenum Atoms Anchored on N-Doped Carbon for Effective Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2017, 129, 16302-16306.	1.6	82
106	Design of ultrathin Pt-Mo-Ni nanowire catalysts for ethanol electrooxidation. <i>Science Advances</i> , 2017, 3, e1603068.	4.7	224
107	Hydrodeoxygenation of water-insoluble bio-oil to alkanes using a highly dispersed Pd-Mo catalyst. <i>Nature Communications</i> , 2017, 8, 591.	5.8	110
108	Insight into the Role of Metal-Oxygen Bond and O 2p Hole in High-Voltage Cathode LiNi <sub>x</sub> Mn <sub>2</sub> O <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2017, 121, 16079-16087.	1.5	50

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109	Confined Pyrolysis within Metal-Organic Frameworks To Form Uniform Ru <sub>3</sub> Clusters for Efficient Oxidation of Alcohols. Journal of the American Chemical Society, 2017, 139, 9795-9798.	6.6	258
110	Uncoordinated Amine Groups of Metal-Organic Frameworks to Anchor Single Ru Sites as Chemoselective Catalysts toward the Hydrogenation of Quinoline. Journal of the American Chemical Society, 2017, 139, 9419-9422.	6.6	558
111	The significant role of covalency in determining the ground state of cobalt phthalocyanines molecule. AIP Advances, 2016, 6, .	0.6	8
112	Fabrication of graphene-encapsulated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as high-performance cathode materials for sodium-ion batteries. RSC Advances, 2016, 6, 43591-43597.	1.7	39
113	X-ray absorption near-edge structure study on the configuration of Cu <sup>2+</sup> /histidine complexes at different pH values. Chinese Physics B, 2016, 25, 048701.	0.7	1
114	Atomically Dispersed Ru on Ultrathin Pd Nanoribbons. Journal of the American Chemical Society, 2016, 138, 13850-13853.	6.6	132
115	Coupled molybdenum carbide and reduced graphene oxide electrocatalysts for efficient hydrogen evolution. Nature Communications, 2016, 7, 11204.	5.8	803
116	Ultrasmall and phase-pure W <sub>2</sub> C nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. Nature Communications, 2016, 7, 13216.	5.8	334
117	Extraction of local coordination structure in a low-concentration uranyl system by XANES. Journal of Synchrotron Radiation, 2016, 23, 758-768.	1.0	22
118	Role of valence changes and nanoscale atomic displacements in BiS <sub>2</sub> -based superconductors. Scientific Reports, 2016, 6, 37394.	1.6	9
119	La-doping effect on spin-orbit coupled Sr <sub>2</sub> IrO <sub>4</sub> probed by x-ray absorption spectroscopy. New Journal of Physics, 2016, 18, 093019.	1.2	18
120	Controlled one-pot synthesis of RuCu nanocages and Cu@Ru nanocrystals for the regioselective hydrogenation of quinoline. Nano Research, 2016, 9, 2632-2640.	5.8	49
121	Cube-like Cu <sub>2</sub> MoS <sub>4</sub> photocatalysts for visible light-driven degradation of methyl orange. AIP Advances, 2015, 5, 077130.	0.6	22
122	Tunable metal-insulator transition in Nd <sub>1-x</sub> Y <sub>x</sub> NiO <sub>3</sub> (x=0.3, 0.4) perovskites thin film at near room temperature. Applied Physics Letters, 2015, 107, .	1.5	3
123	Correlation investigation on the visible-light-driven photocatalytic activity and coordination structure of rutile Sn-Fe-TiO <sub>2</sub> nanocrystallites for methylene blue degradation. Catalysis Today, 2015, 258, 112-119.	2.2	27
124	Microwave-assisted synthesis of photoluminescent glutathione-capped Au/Ag nanoclusters: A unique sensor-on-a-nanoparticle for metal ions, anions, and small molecules. Nano Research, 2015, 8, 2329-2339.	5.8	75
125	Copper Phosphate as a Cathode Material for Rechargeable Li Batteries and Its Electrochemical Reaction Mechanism. Chemistry of Materials, 2015, 27, 5736-5744.	3.2	32
126	Simple hydrothermal synthesis of metal oxides coupled nanocomposites: Structural, optical, magnetic and photocatalytic studies. Applied Surface Science, 2015, 353, 553-563.	3.1	28



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127	Speciation of Cu and Zn in Two Colored Oyster Species Determined by X-ray Absorption Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2015, 49, 6919-6925.	4.6	33
128	Charge deformation and orbital hybridization: intrinsic mechanisms on tunable chromaticity of Y <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> :Ce <sup>3+</sup> luminescence by doping Gd <sup>3+</sup> for warm white LEDs. <i>Scientific Reports</i> , 2015, 5, 11514.	1.6	102
129	Initial Reaction Mechanism of Platinum Nanoparticle in Methanol/Water System and the Anomalous Catalytic Effect of Water. <i>Nano Letters</i> , 2015, 15, 5961-5968.	4.5	52
130	Magnetism modulation in Cu-doped AlN via coupling between AlN thin film and ferroelectric substrate. <i>Journal of Alloys and Compounds</i> , 2015, 618, 236-239.	2.8	4
131	Planar substrate-binding site dictates the specificity of ECF-type nickel/cobalt transporters. <i>Cell Research</i> , 2014, 24, 267-277.	5.7	39
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133	X-ray absorption spectroscopy study on the thermal and hydrazine reduction of graphene oxide. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014, 196, 89-93.	0.8	25
134	Variation of the coordination environment and its effect on the white light emission properties in a Mn-doped ZnO/ZnS complex structure. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4544.	1.3	12
135	3D local structure around copper site of rabbit prion-related protein: Quantitative determination by XANES spectroscopy combined with multiple-scattering calculations. <i>Radiation Physics and Chemistry</i> , 2014, 95, 69-72.	1.4	3
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137	How water molecules affect the catalytic activity of hydrolases - A XANES study of the local structures of peptide deformylase. <i>Scientific Reports</i> , 2014, 4, 7453.	1.6	13
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