# Yu Wang

List of Publications by Year
in descending order



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|---|---|---|---|
| 141 papers | 21,722 citations | 15504 65 h-index | 10158 140 g-index |
| 143 all docs | 143 docs citations | 143 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. Journal of Materials Science and Technology, 2023, 134, 42-49. | 10.7 | 13 |
| 2 | Atomic-level insights into the steric hindrance effect of single-atom Pd catalyst to boost the synthesis of dimethyl carbonate. Applied Catalysis B: Environmental, 2022, 304, 120922. | 20.2 | 22 |
| 3 | Heterostructures induced between platinum nanoparticles and vanadium carbide boosting hydrogen evolution reaction. Applied Catalysis A: General, 2022, 633, 118512. | 4.3 | 7 |
| 4 | Bi/Zn Dual Singleâ€Atom Catalysts for Electroreduction of CO<sub>2</sub> to Syngas. ChemCatChem, 2022, 14, . | 3.7 | 37 |
| 5 | Engineering the Local Atomic Environments of Indium Singleâ€Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie, 2022, 134, . | 2.0 | 27 |
| 6 | Engineering the Local Atomic Environments of Indium Singleâ€Atom Catalysts for Efficient Electrochemical Production of Hydrogen Peroxide. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 127 |
| 7 | Complementary Operando Spectroscopy identification of in-situ generated metastable charge-asymmetry Cu2-CuN3 clusters for CO2 reduction to ethanol. Nature Communications, 2022, 13, 1322. | 12.8 | 113 |
| 8 | Why heterogeneous single-atom catalysts preferentially produce CO in the electrochemical CO<sub>2</sub> reduction reaction. Chemical Science, 2022, 13, 6366-6372. | 7.4 | 35 |
| 9 | Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. Nature Catalysis, 2022, 5, 300-310. | 34.4 | 175 |
| 10 | Bidirectional modulation interaction between monatomic Pt and Tin+ sites on Ti4O7 for high-efficiency and durable oxygen reduction. Journal of Catalysis, 2022, 411, 149-157. | 6.2 | 7 |
| 11 | High-performance and heat-resistant Ce:YAG phosphor in glass for laser lighting. Journal of Alloys and Compounds, 2022, 921, 166083. | 5.5 | 17 |
| 12 | Atomically dispersed Niâ€“Ruâ€“P interface sites for high-efficiency pH-universal electrocatalysis of hydrogen evolution. Nano Energy, 2021, 80, 105467. | 16.0 | 114 |
| 13 | Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO<sub>2</sub> Reduction. Angewandte Chemie - International Edition, 2021, 60, 4192-4198. | 13.8 | 183 |
| 14 | Silver Singleâ€Atom Catalyst for Efficient Electrochemical CO<sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie - International Edition, 2021, 60, 6170-6176. | 13.8 | 236 |
| 15 | Dynamic Activation of Adsorbed Intermediates via Axial Traction for the Promoted Electrochemical CO<sub>2</sub> Reduction. Angewandte Chemie, 2021, 133, 4238-4244. | 2.0 | 20 |
| 16 | Silver Singleâ€Atom Catalyst for Efficient Electrochemical CO<sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie, 2021, 133, 6235-6241. | 2.0 | 22 |
| 17 | N coupling with S-coordinated Ru nanoclusters for highly efficient hydrogen evolution in alkaline media. Journal of Materials Chemistry A, 2021, 9, 12659-12669. | 10.3 | 26 |
| 18 | Notched-Polyoxometalate Strategy to Fabricate Atomically Dispersed Ru Catalysts for Biomass Conversion. ACS Catalysis, 2021, 11, 2669-2675. | 11.2 | 34 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Highly Boosted Reaction Kinetics in Carbon Dioxide Electroreduction by Surfaceâ€Introduced Electronegative Dopants. Advanced Functional Materials, 2021, 31, 2008146. | 14.9 | 88 |
| 20 | A porous heterostructure catalyst for oxygen evolution: synergy between IrP<sub>2</sub> nanocrystals and ultrathin P,N-codoped carbon nanosheets. Nanotechnology, 2021, 32, 245402. | 2.6 | 4 |
| 21 | Recent Advances in <scp>Ptâ€Based</scp> Ultrathin Nanowires: Synthesis and Electrocatalytic Applications<sup>â€</sup>. Chinese Journal of Chemistry, 2021, 39, 1389-1396. | 4.9 | 16 |
| 22 | High-Loading Single-Atomic-Site Silver Catalysts with an Ag<sub>1</sub>â€“C<sub>2</sub>N<sub>1</sub> Structure Showing Superior Performance for Epoxidation of Styrene. ACS Catalysis, 2021, 11, 4946-4954. | 11.2 | 62 |
| 23 | A Supported Pd<sub>2</sub>Dualâ€Atom Site Catalyst for Efficient Electrochemical CO<sub>2</sub>Reduction. Angewandte Chemie, 2021, 133, 13500-13505. | 2.0 | 29 |
| 24 | Theoretical screening of VSe2 as support for enhanced electrocatalytic performance of transition-metal single atoms. Journal of Colloid and Interface Science, 2021, 590, 210-218. | 9.4 | 28 |
| 25 | A Supported Pd<sub>2</sub>Dualâ€Atom Site Catalyst for Efficient Electrochemical CO<sub>2</sub>Reduction. Angewandte Chemie - International Edition, 2021, 60, 13388-13393. | 13.8 | 201 |
| 26 | Matching the kinetics of natural enzymes with a single-atom iron nanozyme. Nature Catalysis, 2021, 4, 407-417. | 34.4 | 517 |
| 27 | The Electronic Metalâ€“Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. Angewandte Chemie, 2021, 133, 19233-19239. | 2.0 | 149 |
| 28 | The Electronic Metalâ€“Support Interaction Directing the Design of Single Atomic Site Catalysts: Achieving High Efficiency Towards Hydrogen Evolution. Angewandte Chemie - International Edition, 2021, 60, 19085-19091. | 13.8 | 189 |
| 29 | Polyoxometalateâ€Based Metalâ€“Organic Framework as Molecular Sieve for Highly Selective Semiâ€Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. Angewandte Chemie, 2021, 133, 22696-22702. | 2.0 | 10 |
| 30 | An N,S-Anchored Single-Atom Catalyst Derived from Domestic Waste for Environmental Remediation. ACS ES&T Engineering, 2021, 1, 1460-1469. | 7.6 | 33 |
| 31 | Promotional effect of ZrO2 and WO3 on bimetallic Pt-Pd diesel oxidation catalyst. Environmental Science and Pollution Research, 2021, , 1. | 5.3 | 4 |
| 32 | Polyoxometalateâ€Based Metalâ€“Organic Framework as Molecular Sieve for Highly Selective Semiâ€Hydrogenation of Acetylene on Isolated Single Pd Atom Sites. Angewandte Chemie - International Edition, 2021, 60, 22522-22528. | 13.8 | 112 |
| 33 | Creating High Regioselectivity by Electronic Metalâ€“Support Interaction of a Single-Atomic-Site Catalyst. Journal of the American Chemical Society, 2021, 143, 15453-15461. | 13.7 | 88 |
| 34 | Tandem catalyzing the hydrodeoxygenation of 5-hydroxymethylfurfural over a Ni<sub>3</sub>Fe intermetallic supported Pt single-atom site catalyst. Chemical Science, 2021, 12, 4139-4146. | 7.4 | 33 |
| 35 | Ru<sub>1</sub>Co<sub>n</sub> Single-Atom Alloy for Enhancing Fischerâ€“Tropsch Synthesis. ACS Catalysis, 2021, 11, 1886-1896. | 11.2 | 49 |
| 36 | Single-Atom Ru on Al<sub>2</sub>O<sub>3</sub> for Highly Active and Selective 1,2-Dichloroethane Catalytic Degradation. ACS Applied Materials & Interfaces, 2021, 13, 53683-53690. | 8.0 | 16 |

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|---|---|---|---|
| 37 | Phase and interface engineering of nickel carbide nanobranches for efficient hydrogen oxidation catalysis. Journal of Materials Chemistry A, 2021, 9, 26323-26329. | 10.3 | 12 |
| 38 | Engineering the Atomic Interface with Single Platinum Atoms for Enhanced Photocatalytic Hydrogen Production. Angewandte Chemie - International Edition, 2020, 59, 1295-1301. | 13.8 | 344 |
| 39 | Atomically dispersed Fe atoms anchored on COF-derived N-doped carbon nanospheres as efficient multi-functional catalysts. Chemical Science, 2020, 11, 786-790. | 7.4 | 110 |
| 40 | Discovery of main group single Sbâ€“N<sub>4</sub> active sites for CO<sub>2</sub> electroreduction to formate with high efficiency. Energy and Environmental Science, 2020, 13, 2856-2863. | 30.8 | 245 |
| 41 | Design of a Singleâ€Atom Indium<sup>Î´+</sup>â€“N<sub>4</sub>Interface for Efficient Electroreduction of CO<sub>2</sub>to Formate. Angewandte Chemie - International Edition, 2020, 59, 22465-22469. | 13.8 | 232 |
| 42 | Design of a Singleâ€Atom Indium Î´+ â€“N 4 Interface for Efficient Electroreduction of CO 2 to Formate. Angewandte Chemie, 2020, 132, 22651-22655. | 2.0 | 29 |
| 43 | Achieving delafossite analog by in situ electrochemical self-reconstruction as an oxygen-evolving catalyst. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21906-21913. | 7.1 | 67 |
| 44 | Tuning the Electronic Structures of Multimetal Oxide Nanoplates to Realize Favorable Adsorption Energies of Oxygenated Intermediates. ACS Nano, 2020, 14, 17640-17651. | 14.6 | 56 |
| 45 | Engineering a metalâ€“organic framework derived Mnâ€“N<sub>4</sub>â€“C<sub>x</sub>S<sub>y</sub> atomic interface for highly efficient oxygen reduction reaction. Chemical Science, 2020, 11, 5994-5999. | 7.4 | 113 |
| 46 | Iridium single-atom catalyst on nitrogen-doped carbon for formic acid oxidation synthesized using a general hostâ€“guest strategy. Nature Chemistry, 2020, 12, 764-772. | 13.6 | 452 |
| 47 | Engineering unsymmetrically coordinated Cu-S1N3 single atom sites with enhanced oxygen reduction activity. Nature Communications, 2020, 11, 3049. | 12.8 | 537 |
| 48 | Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie - International Edition, 2020, 59, 16013-16022. | 13.8 | 151 |
| 49 | Rareâ€Earth Single Erbium Atoms for Enhanced Photocatalytic CO<sub>2</sub> Reduction. Angewandte Chemie, 2020, 132, 10738-10744. | 2.0 | 49 |
| 50 | Rareâ€Earth Single Erbium Atoms for Enhanced Photocatalytic CO<sub>2</sub> Reduction. Angewandte Chemie - International Edition, 2020, 59, 10651-10657. | 13.8 | 314 |
| 51 | Fabricating Pd isolated single atom sites on C3N4/rGO for heterogenization of homogeneous catalysis. Nano Research, 2020, 13, 947-951. | 10.4 | 65 |
| 52 | Single-atom Rh/N-doped carbon electrocatalyst for formic acid oxidation. Nature Nanotechnology, 2020, 15, 390-397. | 31.5 | 420 |
| 53 | Highly Efficient Hydrogenation of Nitroarenes by N-Doped Carbon-Supported Cobalt Single-Atom Catalyst in Ethanol/Water Mixed Solvent. ACS Applied Materials & Interfaces, 2020, 12, 34021-34031. | 8.0 | 56 |
| 54 | Fabricating Dualâ€Atom Iron Catalysts for Efficient Oxygen Evolution Reaction: A Heteroatom Modulator Approach. Angewandte Chemie, 2020, 132, 16147-16156. | 2.0 | 19 |

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| 55 | Activating low-temperature diesel oxidation by single-atom Pt on TiO2 nanowire array. Nature Communications, 2020, 11, 1062. | 12.8 | 90 |
| 56 | MOF derived high-density atomic platinum heterogeneous catalyst for Câ€“H bond activation. Materials Chemistry Frontiers, 2020, 4, 1158-1163. | 5.9 | 19 |
| 57 | Efficient Nitrate Synthesis via Ambient Nitrogen Oxidation with Ruâ€Doped TiO<sub>2</sub>/RuO<sub>2</sub> Electrocatalysts. Advanced Materials, 2020, 32, e2002189. | 21.0 | 125 |
| 58 | Efficient alkaline hydrogen evolution on atomically dispersed Niâ€“N<sub>x</sub> Species anchored porous carbon with embedded Ni nanoparticles by accelerating water dissociation kinetics. Energy and Environmental Science, 2019, 12, 149-156. | 30.8 | 416 |
| 59 | Strain Regulation to Optimize the Acidic Water Oxidation Performance of Atomicâ€Layer IrO<sub>x</sub>. Advanced Materials, 2019, 31, e1903616. | 21.0 | 121 |
| 60 | Spontaneous Delithiation under Operando Condition Triggers Formation of an Amorphous Active Layer in Spinel Cobalt Oxides Electrocatalyst toward Oxygen Evolution. ACS Catalysis, 2019, 9, 7389-7397. | 11.2 | 52 |
| 61 | Mesoporous Nitrogenâ€Doped Carbonâ€Nanosphereâ€Supported Isolated Singleâ€Atom Pd Catalyst for Highly Efficient Semihydrogenation of Acetylene. Advanced Materials, 2019, 31, e1901024. | 21.0 | 146 |
| 62 | Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. Nature Communications, 2019, 10, 4875. | 12.8 | 253 |
| 63 | Electrochemically accessing ultrathin Co (oxy)-hydroxide nanosheets and operando identifying their active phase for the oxygen evolution reaction. Energy and Environmental Science, 2019, 12, 739-746. | 30.8 | 163 |
| 64 | Bismuth Single Atoms Resulting from Transformation of Metalâ€“Organic Frameworks and Their Use as Electrocatalysts for CO<sub>2</sub> Reduction. Journal of the American Chemical Society, 2019, 141, 16569-16573. | 13.7 | 501 |
| 65 | Topological self-template directed synthesis of multi-shelled intermetallic Ni<sub>3</sub>Ga hollow microspheres for the selective hydrogenation of alkyne. Chemical Science, 2019, 10, 614-619. | 7.4 | 31 |
| 66 | Boosting Oxygen Reduction Catalysis with Feâ€“N<sub>4</sub> Sites Decorated Porous Carbons toward Fuel Cells. ACS Catalysis, 2019, 9, 2158-2163. | 11.2 | 297 |
| 67 | A General Strategy for Fabricating Isolated Single Metal Atomic Site Catalysts in Y Zeolite. Journal of the American Chemical Society, 2019, 141, 9305-9311. | 13.7 | 191 |
| 68 | In situ growth of a POMOF-derived nitride based composite on Cu foam to produce hydrogen with enhanced water dissociation kinetics. Journal of Materials Chemistry A, 2019, 7, 13559-13566. | 10.3 | 39 |
| 69 | Universal Anticancer Cu(DTC)<sub>2</sub> Discriminates between Thiols and Zinc(II) Thiolates Oxidatively. Angewandte Chemie - International Edition, 2019, 58, 6070-6073. | 13.8 | 14 |
| 70 | Engineering the electronic structure of single atom Ru sites via compressive strain boosts acidic water oxidation electrocatalysis. Nature Catalysis, 2019, 2, 304-313. | 34.4 | 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. RSC Advances, 2019, 9, 11552-11557. | 3.6 | 13 |
| 72 | Atomically Dispersed Ruthenium Species Inside Metalâ€“Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. Angewandte Chemie - International Edition, 2019, 58, 4271-4275. | 13.8 | 162 |

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|---|---|---|---|
| 73 | Atomically Dispersed Ruthenium Species Inside Metalâ€“Organic Frameworks: Combining the High Activity of Atomic Sites and the Molecular Sieving Effect of MOFs. Angewandte Chemie, 2019, 131, 4315-4319. | 2.0 | 25 |
| 74 | Atomic interface effect of a single atom copper catalyst for enhanced oxygen reduction reactions. Energy and Environmental Science, 2019, 12, 3508-3514. | 30.8 | 278 |
| 75 | Mg<sub>3+</sub><sub>Î´</sub>Sb<sub>x</sub>Bi<sub>2â€“</sub><sub>x</sub> Family: A Promising Substitute for the Stateâ€ofâ€theâ€Art nâ€Type Thermoelectric Materials near Room Temperature. Advanced Functional Materials, 2019, 29, 1807235. | 14.9 | 98 |
| 76 | Revealing the Active Species for Aerobic Alcohol Oxidation by Using Uniform Supported Palladium Catalysts. Angewandte Chemie - International Edition, 2018, 57, 4642-4646. | 13.8 | 93 |
| 77 | Role of local structure distortion in the suppression of superconductivity for Eu3-Sr Bi2S4F4 system. Journal of Alloys and Compounds, 2018, 743, 547-552. | 5.5 | 6 |
| 78 | A Polymer Encapsulation Strategy to Synthesize Porous Nitrogenâ€Doped Carbonâ€Nanosphereâ€Supported Metal Isolatedâ€Singleâ€Atomicâ€Site Catalysts. Advanced Materials, 2018, 30, e1706508. | 21.0 | 266 |
| 79 | An overview on the research of Sr2IrO4-based system probed by X-ray absorption spectroscopy. Modern Physics Letters B, 2018, 32, 1850094. | 1.9 | 0 |
| 80 | PtAl truncated octahedron nanocrystals for improved formic acid electrooxidation. Chemical Communications, 2018, 54, 3951-3954. | 4.1 | 12 |
| 81 | Tris-amidoximate uranyl complexesviaÎ·<sup>2</sup>binding mode coordinated in aqueous solution shown by X-ray absorption spectroscopy and density functional theory methods. Journal of Synchrotron Radiation, 2018, 25, 514-522. | 2.4 | 12 |
| 82 | Molten-salt synthesis of porous La0.6Sr0.4Co0.2Fe0.8O2.9 perovskite as an efficient electrocatalyst for oxygen evolution. Nano Research, 2018, 11, 4796-4805. | 10.4 | 35 |
| 83 | Ultrathin bismuth nanosheets from in situ topotactic transformation for selective electrocatalytic CO2 reduction to formate. Nature Communications, 2018, 9, 1320. | 12.8 | 658 |
| 84 | Defect Effects on TiO<sub>2</sub> Nanosheets: Stabilizing Single Atomic Site Au and Promoting Catalytic Properties. Advanced Materials, 2018, 30, 1705369. | 21.0 | 751 |
| 85 | Single Pt Atoms Confined into a Metalâ€“Organic Framework for Efficient Photocatalysis. Advanced Materials, 2018, 30, 1705112. | 21.0 | 599 |
| 86 | Synergistic effect of an atomically dual-metal doped catalyst for highly efficient oxygen evolution. Journal of Materials Chemistry A, 2018, 6, 6840-6846. | 10.3 | 113 |
| 87 | In situ trapped high-density single metal atoms within graphene: Iron-containing hybrids as representatives for efficient oxygen reduction. Nano Research, 2018, 11, 2217-2228. | 10.4 | 108 |
| 88 | Single-atomic cobalt sites embedded in hierarchically ordered porous nitrogen-doped carbon as a superior bifunctional electrocatalyst. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12692-12697. | 7.1 | 325 |
| 89 | Enhanced insulating behavior in the Ir-vacant Sr2Ir1â€“x O4 system dominated by the local structureÂdistortion. Journal of Synchrotron Radiation, 2018, 25, 1123-1128. | 2.4 | 2 |
| 90 | Efficient hydrogen evolution catalyzed by amorphous molybdenum sulfide/N-doped active carbon hybrid on carbon fiber paper. International Journal of Hydrogen Energy, 2018, 43, 15135-15143. | 7.1 | 14 |

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| 91 | Operando X-ray spectroscopic tracking of self-reconstruction for anchored nanoparticles as high-performance electrocatalysts towards oxygen evolution. Energy and Environmental Science, 2018, 11, 2945-2953. | 30.8 | 157 |
| 92 | Direct observation of noble metal nanoparticles transforming to thermally stable single atoms. Nature Nanotechnology, 2018, 13, 856-861. | 31.5 | 741 |
| 93 | Fabricating Quasi-Free-Standing Graphene on a SiC(0001) Surface by Steerable Intercalation of Iron. Journal of Physical Chemistry C, 2018, 122, 21484-21492. | 3.1 | 23 |
| 94 | Operando Spectroscopic Identification of Active Sites in NiFe Prussian Blue Analogues as Electrocatalysts: Activation of Oxygen Atoms for Oxygen Evolution Reaction. Journal of the American Chemical Society, 2018, 140, 11286-11292. | 13.7 | 328 |
| 95 | Highly Active Surface Structure in Nanosized Spinel Cobalt-Based Oxides for Electrocatalytic Water Splitting. Journal of Physical Chemistry C, 2018, 122, 14447-14458. | 3.1 | 24 |
| 96 | Single Tungsten Atoms Supported on MOFâ€Derived Nâ€Doped Carbon for Robust Electrochemical Hydrogen Evolution. Advanced Materials, 2018, 30, e1800396. | 21.0 | 427 |
| 97 | Investigation of the fine structure around the copper site in copper/zinc superoxide dismutase by XANES combined with ab initio calculations. Radiation Physics and Chemistry, 2017, 137, 88-92. | 2.8 | 2 |
| 98 | Enhanced electrochemical sensing arsenic(III) with excellent anti-interference using amino-functionalized graphene oxide decorated gold microelectrode: XPS and XANES evidence. Sensors and Actuators B: Chemical, 2017, 245, 230-237. | 7.8 | 60 |
| 99 | A critical point in Sr2-IrO4 and less distorted IrO6 octahedra induced by deep Sr-vacancies. Materials Research Bulletin, 2017, 90, 1-7. | 5.2 | 8 |
| 100 | Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. Journal of the American Chemical Society, 2017, 139, 7294-7301. | 13.7 | 354 |
| 101 | Manifestation of the structural stability of Mg-doped Zn4Sb3 via atomic fine structure investigation. Solid State Communications, 2017, 261, 26-31. | 1.9 | 2 |
| 102 | Electron Transfer and Local Atomic Displacement in Sr1â€“xCexFBiS2 Revealed by X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 8525-8530. | 3.1 | 9 |
| 103 | Tuning phase transitions in FeSe thin flakes by field-effect transistor with solid ion conductor as the gate dielectric. Physical Review B, 2017, 95, . | 3.2 | 77 |
| 104 | Rational Design of Single Molybdenum Atoms Anchored on Nâ€Doped Carbon for Effective Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2017, 56, 16086-16090. | 13.8 | 431 |
| 105 | Rational Design of Single Molybdenum Atoms Anchored on Nâ€Doped Carbon for Effective Hydrogen Evolution Reaction. Angewandte Chemie, 2017, 129, 16302-16306. | 2.0 | 82 |
| 106 | Design of ultrathin Pt-Mo-Ni nanowire catalysts for ethanol electrooxidation. Science Advances, 2017, 3, e1603068. | 10.3 | 224 |
| 107 | Hydrodeoxygenation of water-insoluble bio-oil to alkanes using a highly dispersed Pdâ€“Mo catalyst. Nature Communications, 2017, 8, 591. | 12.8 | 110 |
| 108 | Insight into the Role of Metalâ€“Oxygen Bond and O 2p Hole in High-Voltage Cathode LiNi<sub>x</sub>Mn<sub>2â€“x</sub>O<sub>4</sub>. Journal of Physical Chemistry C, 2017, 121, 16079-16087. | 3.1 | 50 |

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|---|---|---|---|
| 109 | Confined Pyrolysis within Metalâ€“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. | 13.7 | 258 |
| 110 | Uncoordinated Amine Groups of Metalâ€“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. | 13.7 | 558 |
| 111 | The significant role of covalency in determining the ground state of cobalt phthalocyanines molecule. AIP Advances, 2016, 6, . | 1.3 | 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. | 3.6 | 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. | 1.4 | 1 |
| 114 | Atomically Dispersed Ru on Ultrathin Pd Nanoribbons. Journal of the American Chemical Society, 2016, 138, 13850-13853. | 13.7 | 132 |
| 115 | Coupled molybdenum carbide and reduced graphene oxide electrocatalysts for efficient hydrogen evolution. Nature Communications, 2016, 7, 11204. | 12.8 | 803 |
| 116 | Ultrasmall and phase-pure W2C nanoparticles for efficient electrocatalytic and photoelectrochemical hydrogen evolution. Nature Communications, 2016, 7, 13216. | 12.8 | 334 |
| 117 | Extraction of local coordination structure in a low-concentration uranyl system by XANES. Journal of Synchrotron Radiation, 2016, 23, 758-768. | 2.4 | 22 |
| 118 | Role of valence changes and nanoscale atomic displacements in BiS2-based superconductors. Scientific Reports, 2016, 6, 37394. | 3.3 | 9 |
| 119 | La-doping effect on spinâ€“orbit coupled Sr<sub>2</sub>IrO<sub>4</sub>probed by x-ray absorption spectroscopy. New Journal of Physics, 2016, 18, 093019. | 2.9 | 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. | 10.4 | 49 |
| 121 | Cube-like Cu2MoS4 photocatalysts for visible light-driven degradation of methyl orange. AIP Advances, 2015, 5, 077130. | 1.3 | 22 |
| 122 | Tunable metal-insulator transition in Nd1â^'xYxNiO3 (xâ€‰=â€‰0.3, 0.4) perovskites thin film at near room temperature. Applied Physics Letters, 2015, 107, . | 3.3 | 3 |
| 123 | Correlation investigation on the visible-light-driven photocatalytic activity and coordination structure of rutile Sn-Fe-TiO2 nanocrystallites for methylene blue degradation. Catalysis Today, 2015, 258, 112-119. | 4.4 | 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. | 10.4 | 75 |
| 125 | Copper Phosphate as a Cathode Material for Rechargeable Li Batteries and Its Electrochemical Reaction Mechanism. Chemistry of Materials, 2015, 27, 5736-5744. | 6.7 | 32 |
| 126 | Simple hydrothermal synthesis of metal oxides coupled nanocomposites: Structural, optical, magnetic and photocatalytic studies. Applied Surface Science, 2015, 353, 553-563. | 6.1 | 28 |

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| 127 | Speciation of Cu and Zn in Two Colored Oyster Species Determined by X-ray Absorption Spectroscopy. Environmental Science & Technology, 2015, 49, 6919-6925. | 10.0 | 33 |
| 128 | Charge deformation and orbital hybridization: intrinsic mechanisms on tunable chromaticity of Y3Al5O12:Ce3+ luminescence by doping Gd3+ for warm white LEDs. Scientific Reports, 2015, 5, 11514. | 3.3 | 102 |
| 129 | Initial Reaction Mechanism of Platinum Nanoparticle in Methanolâ€“Water System and the Anomalous Catalytic Effect of Water. Nano Letters, 2015, 15, 5961-5968. | 9.1 | 52 |
| 130 | Magnetism modulation in Cu-doped AlN via coupling between AlN thin film and ferroelectric substrate. Journal of Alloys and Compounds, 2015, 618, 236-239. | 5.5 | 4 |
| 131 | Planar substrate-binding site dictates the specificity of ECF-type nickel/cobalt transporters. Cell Research, 2014, 24, 267-277. | 12.0 | 39 |
| 132 | Remarkable enhancement of dichloromethane oxidation over potassium-promoted Pt/Al2O3 catalysts. Journal of Catalysis, 2014, 311, 314-324. | 6.2 | 76 |
| 133 | X-ray absorption spectroscopy study on the thermal and hydrazine reduction of graphene oxide. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 89-93. | 1.7 | 25 |
| 134 | Variation of the coordination environment and its effect on the white light emission properties in a Mn-doped ZnOâ€“ZnS complex structure. Physical Chemistry Chemical Physics, 2014, 16, 4544. | 2.8 | 12 |
| 135 | 3D local structure around copper site of rabbit prion-related protein: Quantitative determination by XANES spectroscopy combined with multiple-scattering calculations. Radiation Physics and Chemistry, 2014, 95, 69-72. | 2.8 | 3 |
| 136 | Solvothermal Synthesis of Ternary Cu<sub>2</sub>MoS<sub>4</sub> Nanosheets: Structural Characterization at the Atomic Level. Small, 2014, 10, 4637-4644. | 10.0 | 97 |
| 137 | How water molecules affect the catalytic activity of hydrolases - A XANES study of the local structures of peptide deformylase. Scientific Reports, 2014, 4, 7453. | 3.3 | 13 |
| 138 | Quantitative investigation of the local structure around cobalt ion in two different peptide deformylase by XANES spectroscopy. Journal of Physics: Conference Series, 2013, 430, 012043. | 0.4 | 0 |
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