# Junfa Zhu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7606608/publications.pdf

Version: 2024-02-01

| 406 | 34,141 | 2544 96 | 4432 172 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 415 | 415 | 415 | 29929 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. Angewandte Chemie - International Edition, 2016, 55, 10800-10805. | 13.8 | 1,836 |
| 2 | Selective visible-light-driven photocatalytic CO2 reduction to CH4 mediated by atomically thin CuIn5S8 layers. Nature Energy, 2019, 4, 690-699. | 39.5 | 948 |
| 3 | Oxide Defect Engineering Enables to Couple Solar Energy into Oxygen Activation. Journal of the American Chemical Society, 2016, 138, 8928-8935. | 13.7 | 840 |
| 4 | Tailoring the dâ€Band Centers Enables Co<sub>4</sub>N Nanosheets To Be Highly Active for Hydrogen Evolution Catalysis. Angewandte Chemie - International Edition, 2018, 57, 5076-5080. | 13.8 | 728 |
| 5 | Exclusive Niâ€“N<sub>4</sub> Sites Realize Near-Unity CO Selectivity for Electrochemical CO<sub>2</sub> Reduction. Journal of the American Chemical Society, 2017, 139, 14889-14892. | 13.7 | 725 |
| 6 | Refining Defect States in W<sub>18</sub>O<sub>49</sub> by Mo Doping: A Strategy for Tuning N<sub>2</sub> Activation towards Solar-Driven Nitrogen Fixation. Journal of the American Chemical Society, 2018, 140, 9434-9443. | 13.7 | 722 |
| 7 | Heterogeneous Single-Atom Photocatalysts: Fundamentals and Applications. Chemical Reviews, 2020, 120, 12175-12216. | 47.7 | 620 |
| 8 | Synergetic interaction between neighbouring platinum monomers in CO2 hydrogenation. Nature Nanotechnology, 2018, 13, 411-417. | 31.5 | 584 |
| 9 | Fabrication of composite photocatalyst g-C3N4â€“ZnO and enhancement of photocatalytic activity under visible light. Dalton Transactions, 2012, 41, 6756. | 3.3 | 553 |
| 10 | Enhancing CO<sub>2</sub> Electroreduction with the Metalâ€“Oxide Interface. Journal of the American Chemical Society, 2017, 139, 5652-5655. | 13.7 | 468 |
| 11 | Thiol-functionalization of metal-organic framework by a facile coordination-based postsynthetic strategy and enhanced removal of Hg2+ from water. Journal of Hazardous Materials, 2011, 196, 36-43. | 12.4 | 456 |
| 12 | Isolation of Cu Atoms in Pd Lattice: Forming Highly Selective Sites for Photocatalytic Conversion of CO<sub>2</sub> to CH<sub>4</sub>. Journal of the American Chemical Society, 2017, 139, 4486-4492. | 13.7 | 455 |
| 13 | Highly Active and Stable Metal Single-Atom Catalysts Achieved by Strong Electronic Metalâ€“Support Interactions. Journal of the American Chemical Society, 2019, 141, 14515-14519. | 13.7 | 455 |
| 14 | Enabling unassisted solar water splitting by iron oxide and silicon. Nature Communications, 2015, 6, 7447. | 12.8 | 429 |
| 15 | Scaledâ€Up Synthesis of Amorphous NiFeMo Oxides and Their Rapid Surface Reconstruction for Superior Oxygen Evolution Catalysis. Angewandte Chemie - International Edition, 2019, 58, 15772-15777. | 13.8 | 426 |
| 16 | New photocatalysts based on MIL-53 metalâ€“organic frameworks for the decolorization of methylene blue dye. Journal of Hazardous Materials, 2011, 190, 945-951. | 12.4 | 416 |
| 17 | Low-Cost Synthesis of Flowerlike Î±-Fe<sub>2</sub>O<sub>3</sub> Nanostructures for Heavy Metal Ion Removal: Adsorption Property and Mechanism. Langmuir, 2012, 28, 4573-4579. | 3.5 | 409 |
| 18 | Protecting Copper Oxidation State via Intermediate Confinement for Selective CO<sub>2</sub> Electroreduction to C<sub>2+</sub> Fuels. Journal of the American Chemical Society, 2020, 142, 6400-6408. | 13.7 | 396 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Heterogeneous Singleâ€Atom Catalyst for Visibleâ€Lightâ€Driven Highâ€Turnover CO<sub>2</sub> Reduction: The Role of Electron Transfer. Advanced Materials, 2018, 30, e1704624. | 21.0 | 383 |
| 20 | Single Cobalt Atoms with Precise Nâ€Coordination as Superior Oxygen Reduction Reaction Catalysts. Angewandte Chemie, 2016, 128, 10958-10963. | 2.0 | 373 |
| 21 | Partially Oxidized SnS<sub>2</sub> Atomic Layers Achieving Efficient Visible-Light-Driven CO<sub>2</sub> Reduction. Journal of the American Chemical Society, 2017, 139, 18044-18051. | 13.7 | 368 |
| 22 | Doping-induced structural phase transition in cobalt diselenide enables enhanced hydrogen evolution catalysis. Nature Communications, 2018, 9, 2533. | 12.8 | 356 |
| 23 | Precisely Tuning the Number of Fe Atoms in Clusters on N-Doped Carbon toward Acidic Oxygen Reduction Reaction. CheM, 2019, 5, 2865-2878. | 11.7 | 346 |
| 24 | Facile fabrication of magnetic metalâ€“organic framework nanocomposites for potential targeted drug delivery. Journal of Materials Chemistry, 2011, 21, 3843. | 6.7 | 343 |
| 25 | Sulfur-anchoring synthesis of platinum intermetallic nanoparticle catalysts for fuel cells. Science, 2021, 374, 459-464. | 12.6 | 343 |
| 26 | Tuning orbital orientation endows molybdenum disulfide with exceptional alkaline hydrogen evolution capability. Nature Communications, 2019, 10, 1217. | 12.8 | 322 |
| 27 | Design and Epitaxial Growth of MoSe<sub>2</sub>â€“NiSe Vertical Heteronanostructures with Electronic Modulation for Enhanced Hydrogen Evolution Reaction. Chemistry of Materials, 2016, 28, 1838-1846. | 6.7 | 310 |
| 28 | Electronic structure and chemical bonding of a graphene oxideâ€“sulfur nanocomposite for use in superior performance lithiumâ€“sulfur cells. Physical Chemistry Chemical Physics, 2012, 14, 13670. | 2.8 | 305 |
| 29 | A Janus Nickel Cobalt Phosphide Catalyst for Highâ€Efficiency Neutralâ€pH Water Splitting. Angewandte Chemie - International Edition, 2018, 57, 15445-15449. | 13.8 | 299 |
| 30 | Fe3O4@MOF coreâ€“shell magnetic microspheres with a designable metalâ€“organic framework shell. Journal of Materials Chemistry, 2012, 22, 9497. | 6.7 | 285 |
| 31 | Atomic-level insights in optimizing reaction paths for hydroformylation reaction over Rh/CoO single-atom catalyst. Nature Communications, 2016, 7, 14036. | 12.8 | 281 |
| 32 | Surface-Catalyzed Câ€“C Covalent Coupling Strategies toward the Synthesis of Low-Dimensional Carbon-Based Nanostructures. Accounts of Chemical Research, 2015, 48, 2484-2494. | 15.6 | 273 |
| 33 | Implementing Metalâ€toâ€Ligand Charge Transfer in Organic Semiconductor for Improved Visibleâ€Nearâ€Infrared Photocatalysis. Advanced Materials, 2016, 28, 6959-6965. | 21.0 | 268 |
| 34 | Enabling Visibleâ€Lightâ€Driven Selective CO<sub>2</sub> Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H<sub>2</sub> Evolution. Angewandte Chemie - International Edition, 2018, 57, 16447-16451. | 13.8 | 262 |
| 35 | Infrared Light-Driven CO2 Overall Splitting at Room Temperature. Joule, 2018, 2, 1004-1016. | 24.0 | 258 |
| 36 | Metalâ€“organic frameworks MIL-88A hexagonal microrods as a new photocatalyst for efficient decolorization of methylene blue dye. Dalton Transactions, 2014, 43, 3792-3798. | 3.3 | 231 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Boosting hydrogen evolution on MoS2 via co-confining selenium in surface and cobalt in inner layer. Nature Communications, 2020, 11, 3315. | 12.8 | 229 |
| 38 | Acacia Senegalâ€“Inspired Bifunctional Binder for Longevity of Lithiumâ€“Sulfur Batteries. Advanced Energy Materials, 2015, 5, 1500878. | 19.5 | 223 |
| 39 | Oxygen vacancy associated single-electron transfer for photofixation of CO2 to long-chain chemicals. Nature Communications, 2019, 10, 788. | 12.8 | 222 |
| 40 | Interrelationships among Grain Size, Surface Composition, Air Stability, and Interfacial Resistance of Al-Substituted Li<sub>7</sub>La<sub>3</sub>Zr<sub>2</sub>O<sub>12</sub> Solid Electrolytes. ACS Applied Materials & Interfaces, 2015, 7, 17649-17655. | 8.0 | 220 |
| 41 | Enhancing both selectivity and coking-resistance of a single-atom Pd1/C3N4 catalyst for acetylene hydrogenation. Nano Research, 2017, 10, 1302-1312. | 10.4 | 220 |
| 42 | Metalâ€“Organic Framework Coating Enhances the Performance of Cu<sub>2</sub>O in Photoelectrochemical CO<sub>2</sub> Reduction. Journal of the American Chemical Society, 2019, 141, 10924-10929. | 13.7 | 219 |
| 43 | Facile fabrication of magnetically separable graphitic carbon nitride photocatalysts with enhanced photocatalytic activity under visible light. Journal of Materials Chemistry A, 2013, 1, 3008. | 10.3 | 216 |
| 44 | Carbon Dioxide Electroreduction into Syngas Boosted by a Partially Delocalized Charge in Molybdenum Sulfide Selenide Alloy Monolayers. Angewandte Chemie - International Edition, 2017, 56, 9121-9125. | 13.8 | 205 |
| 45 | Unconventional CN vacancies suppress iron-leaching in Prussian blue analogue pre-catalyst for boosted oxygen evolution catalysis. Nature Communications, 2019, 10, 2799. | 12.8 | 202 |
| 46 | Photocatalytic Conversion of Waste Plastics into C<sub>2</sub> Fuels under Simulated Natural Environment Conditions. Angewandte Chemie - International Edition, 2020, 59, 15497-15501. | 13.8 | 198 |
| 47 | Bimetallic nickel-molybdenum/tungsten nanoalloys for high-efficiency hydrogen oxidation catalysis in alkaline electrolytes. Nature Communications, 2020, 11, 4789. | 12.8 | 192 |
| 48 | Disentangling the size-dependent geometric and electronic effects of palladium nanocatalysts beyond selectivity. Science Advances, 2019, 5, eaat6413. | 10.3 | 187 |
| 49 | Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO<sub>2</sub> Reduction. Angewandte Chemie - International Edition, 2018, 57, 10954-10958. | 13.8 | 186 |
| 50 | Size-dependent dynamic structures of supported gold nanoparticles in CO oxidation reaction condition. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7700-7705. | 7.1 | 183 |
| 51 | Integrated Quasiplane Heteronanostructures of MoSe<sub>2</sub>/Bi<sub>2</sub>Se<sub>3</sub> Hexagonal Nanosheets: Synergetic Electrocatalytic Water Splitting and Enhanced Supercapacitor Performance. Advanced Functional Materials, 2017, 27, 1703864. | 14.9 | 170 |
| 52 | Hierarchically mesostructured MIL-101 metalâ€“organic frameworks: supramolecular template-directed synthesis and accelerated adsorption kinetics for dye removal. CrystEngComm, 2012, 14, 1613-1617. | 2.6 | 169 |
| 53 | Boosting Water Dissociation Kinetics on Ptâ€“Ni Nanowires by Nâ€Induced Orbital Tuning. Advanced Materials, 2019, 31, e1807780. | 21.0 | 167 |
| 54 | Surfaceâ€Assisted Organic Synthesis of Hyperbenzene Nanotroughs. Angewandte Chemie - International Edition, 2013, 52, 4668-4672. | 13.8 | 166 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. Angewandte Chemie - International Edition, 2017, 56, 4206-4210. | 13.8 | 166 |
| 56 | Synergizing metalâ€“support interactions and spatial confinement boosts dynamics of atomic nickel for hydrogenations. Nature Nanotechnology, 2021, 16, 1141-1149. | 31.5 | 165 |
| 57 | Controlled synthesis of novel Au@MIL-100(Fe) coreâ€“shell nanoparticles with enhanced catalytic performance. Chemical Communications, 2013, 49, 1267-1269. | 4.1 | 163 |
| 58 | Synergy between Palladium Single Atoms and Nanoparticles via Hydrogen Spillover for Enhancing CO<sub>2</sub> Photoreduction to CH<sub>4</sub>. Advanced Materials, 2022, 34, e2200057. | 21.0 | 162 |
| 59 | Structure Sensitivity of Auâ€TiO<sub>2</sub> Strong Metalâ€“Support Interactions. Angewandte Chemie - International Edition, 2021, 60, 12074-12081. | 13.8 | 161 |
| 60 | Direct XPS Evidence for Charge Transfer from a Reduced Rutile TiO<sub>2</sub>(110) Surface to Au Clusters. Journal of Physical Chemistry C, 2007, 111, 12434-12439. | 3.1 | 156 |
| 61 | Carbon Dioxide Electroreduction into Syngas Boosted by a Partially Delocalized Charge in Molybdenum Sulfide Selenide Alloy Monolayers. Angewandte Chemie, 2017, 129, 9249-9253. | 2.0 | 154 |
| 62 | Ultrastable and Efficient Visibleâ€lightâ€driven CO<sub>2</sub> Reduction Triggered by Regenerative Oxygenâ€Vacancies in Bi<sub>2</sub>O<sub>2</sub>CO<sub>3</sub> Nanosheets. Angewandte Chemie - International Edition, 2021, 60, 13840-13846. | 13.8 | 152 |
| 63 | A Confinement Strategy for Stabilizing ZIFâ€Derived Bifunctional Catalysts as a Benchmark Cathode of Flexible Allâ€Solidâ€State Zincâ€“Air Batteries. Advanced Materials, 2018, 30, e1805268. | 21.0 | 147 |
| 64 | Ultrathin Conductor Enabling Efficient IR Light CO<sub>2</sub> Reduction. Journal of the American Chemical Society, 2019, 141, 423-430. | 13.7 | 146 |
| 65 | Microwave-assisted synthesis of highly fluorescent nanoparticles of a melamine-based porous covalent organic framework for trace-level detection of nitroaromatic explosives. Journal of Hazardous Materials, 2012, 221-222, 147-154. | 12.4 | 145 |
| 66 | Highâ€Curvature Transitionâ€Metal Chalcogenide Nanostructures with a Pronounced Proximity Effect Enable Fast and Selective CO<sub>2</sub> Electroreduction. Angewandte Chemie - International Edition, 2020, 59, 8706-8712. | 13.8 | 145 |
| 67 | Microwave-enhanced synthesis of magnetic porous covalent triazine-based framework composites for fast separation of organic dye from aqueous solution. Journal of Hazardous Materials, 2011, 186, 984-990. | 12.4 | 137 |
| 68 | Direct Observation of Two Electron Holes in a Hematite Photoanode during Photoelectrochemical Water Splitting. Journal of Physical Chemistry C, 2012, 116, 16870-16875. | 3.1 | 137 |
| 69 | Oxygen vacancy modulated Ti2Nb10O29-x embedded onto porous bacterial cellulose carbon for highly efficient lithium ion storage. Nano Energy, 2019, 58, 355-364. | 16.0 | 137 |
| 70 | High-performance hybrid oxide catalyst of manganese and cobalt for low-pressure methanol synthesis. Nature Communications, 2015, 6, 6538. | 12.8 | 135 |
| 71 | Surface-Assisted Formation, Assembly, and Dynamics of Planar Organometallic Macrocycles and Zigzag Shaped Polymer Chains with Câ€“Cuâ€“C Bonds. ACS Nano, 2014, 8, 709-718. | 14.6 | 134 |
| 72 | Synthesis of Subâ€2â€…nm Ironâ€Doped NiSe<sub>2</sub> Nanowires and Their Surfaceâ€Confined Oxidation for Oxygen Evolution Catalysis. Angewandte Chemie - International Edition, 2018, 57, 4020-4024. | 13.8 | 133 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Atomically Dispersed Ru on Ultrathin Pd Nanoribbons. Journal of the American Chemical Society, 2016, 138, 13850-13853. | 13.7 | 132 |
| 74 | Size-dependent catalytic activity over carbon-supported palladium nanoparticles in dehydrogenation of formic acid. Journal of Catalysis, 2017, 352, 371-381. | 6.2 | 132 |
| 75 | Multifunctional Au-Fe<sub>3</sub>O<sub>4</sub>@MOF coreâ€“shell nanocomposite catalysts with controllable reactivity and magnetic recyclability. Nanoscale, 2015, 7, 1201-1208. | 5.6 | 130 |
| 76 | Asymmetric Triple-Atom Sites Confined in Ternary Oxide Enabling Selective CO<sub>2</sub> Photothermal Reduction to Acetate. Journal of the American Chemical Society, 2021, 143, 18233-18241. | 13.7 | 130 |
| 77 | 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. | 9.1 | 127 |
| 78 | Perovskite Oxyfluoride Electrode Enabling Direct Electrolyzing Carbon Dioxide with Excellent Electrochemical Performances. Advanced Energy Materials, 2019, 9, 1803156. | 19.5 | 127 |
| 79 | Impact of the Coordination Environment on Atomically Dispersed Pt Catalysts for Oxygen Reduction Reaction. ACS Catalysis, 2020, 10, 907-913. | 11.2 | 121 |
| 80 | Optimizing reaction paths for methanol synthesis from CO2 hydrogenation via metal-ligand cooperativity. Nature Communications, 2019, 10, 1885. | 12.8 | 116 |
| 81 | Facile fabrication of CdS-metal-organic framework nanocomposites with enhanced visible-light photocatalytic activity for organic transformation. Nano Research, 2015, 8, 1834-1846. | 10.4 | 114 |
| 82 | Kinetic parameters of CO adsorbed on Pt(111) studied by in situ high resolution x-ray photoelectron spectroscopy. Journal of Chemical Physics, 2002, 117, 10852-10859. | 3.0 | 113 |
| 83 | Synthesis of bipyridine-based covalent organic frameworks for visible-light-driven photocatalytic water oxidation. Applied Catalysis B: Environmental, 2020, 262, 118271. | 20.2 | 113 |
| 84 | Understanding the degradation mechanism of rechargeable lithium/sulfur cells: a comprehensive study of the sulfurâ€“graphene oxide cathode after dischargeâ€“charge cycling. Physical Chemistry Chemical Physics, 2014, 16, 16931-16940. | 2.8 | 112 |
| 85 | Investigation of surface effects through the application of the functional binders in lithium sulfur batteries. Nano Energy, 2015, 16, 28-37. | 16.0 | 112 |
| 86 | Fe<sub>3</sub>O<sub>4</sub>@MOF coreâ€“shell magnetic microspheres as excellent catalysts for the Claisenâ€“Schmidt condensation reaction. Nanoscale, 2014, 6, 1596-1601. | 5.6 | 111 |
| 87 | Post-combustion CO2 capture with the HKUST-1 and MIL-101(Cr) metalâ€“organic frameworks: Adsorption, separation and regeneration investigations. Microporous and Mesoporous Materials, 2013, 179, 191-197. | 4.4 | 109 |
| 88 | Efficient Infraredâ€Lightâ€Driven CO<sub>2</sub> Reduction Over Ultrathin Metallic Niâ€doped CoS<sub>2</sub> Nanosheets. Angewandte Chemie - International Edition, 2021, 60, 8705-8709. | 13.8 | 108 |
| 89 | The Effect of Thermal Reduction on the Photoluminescence and Electronic Structures of Graphene Oxides. Scientific Reports, 2014, 4, 4525. | 3.3 | 106 |
| 90 | Fumarate-based metal-organic frameworks as a new platform for highly selective removal of fluoride from brick tea. Scientific Reports, 2018, 8, 939. | 3.3 | 105 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Bottom-Up Synthesis of Metalated Carbyne. Journal of the American Chemical Society, 2016, 138, 1106-1109. | 13.7 | 104 |
| 92 | Suppression of Structural Phase Transition in VO2 by Epitaxial Strain in Vicinity of Metal-insulator Transition. Scientific Reports, 2016, 6, 23119. | 3.3 | 102 |
| 93 | Phase and Morphology Transformation of MnO<sub>2</sub> Induced by Ionic Liquids toward Efficient Water Oxidation. ACS Catalysis, 2018, 8, 10137-10147. | 11.2 | 102 |
| 94 | Direct Synthesis of Nickel(II) Tetraphenylporphyrin and Its Interaction with a Au(111) Surface: A Comprehensive Study. Journal of Physical Chemistry C, 2010, 114, 9908-9916. | 3.1 | 100 |
| 95 | Highly energy- and time-efficient synthesis of porous triazine-based framework: microwave-enhanced ionothermal polymerization and hydrogen uptake. Journal of Materials Chemistry, 2010, 20, 6413. | 6.7 | 99 |
| 96 | A Rational Selfâ€Sacrificing Template Route to Metalâ€“Organic Framework Nanotubes and Reversible Vaporâ€Phase Detection of Nitroaromatic Explosives. Small, 2012, 8, 225-230. | 10.0 | 99 |
| 97 | New setup for in situ x-ray photoelectron spectroscopy from ultrahigh vacuum to 1mbar. Review of Scientific Instruments, 2005, 76, 014102. | 1.3 | 98 |
| 98 | Ternary nickelâ€“tungstenâ€“copper alloy rivals platinum for catalyzing alkaline hydrogen oxidation. Nature Communications, 2021, 12, 2686. | 12.8 | 98 |
| 99 | Bi2WO6 hollow microspheres with high specific surface area and oxygen vacancies for efficient photocatalysis N2 fixation. Chemical Engineering Journal, 2021, 414, 128827. | 12.7 | 97 |
| 100 | Production of Nitrogen-Doped Graphene by Low-Energy Nitrogen Implantation. Journal of Physical Chemistry C, 2012, 116, 5062-5066. | 3.1 | 96 |
| 101 | Quasi Pd1Ni single-atom surface alloy catalyst enables hydrogenation of nitriles to secondary amines. Nature Communications, 2019, 10, 4998. | 12.8 | 90 |
| 102 | Single Ni sites distributed on N-doped carbon for selective hydrogenation of acetylene. Chemical Communications, 2017, 53, 11568-11571. | 4.1 | 88 |
| 103 | Efficient infrared light induced CO2 reduction with nearly 100% CO selectivity enabled by metallic CoN porous atomic layers. Nano Energy, 2020, 69, 104421. | 16.0 | 88 |
| 104 | Regulating the Interfacial Electronic Coupling of Fe<sub>2</sub>N via Orbital Steering for Hydrogen Evolution Catalysis. Advanced Materials, 2020, 32, e1904346. | 21.0 | 86 |
| 105 | An efficient room temperature coreâ€“shell AgPd@MOF catalyst for hydrogen production from formic acid. Nanoscale, 2015, 7, 8321-8325. | 5.6 | 85 |
| 106 | Energy-level modulation of non-fullerene acceptors to achieve high-efficiency polymer solar cells at a diminished energy offset. Journal of Materials Chemistry A, 2017, 5, 9649-9654. | 10.3 | 83 |
| 107 | On-Surface Pseudo-High-Dilution Synthesis of Macrocycles: Principle and Mechanism. ACS Nano, 2017, 11, 5070-5079. | 14.6 | 83 |
| 108 | Growth, Structure, and Stability of Ag on CeO<sub>2</sub>(111): Synchrotron Radiation Photoemission Studies. Journal of Physical Chemistry C, 2011, 115, 6715-6725. | 3.1 | 78 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Carbon dots decorated ultrathin CdS nanosheets enabling in-situ anchored Pt single atoms: A highly efficient solar-driven photocatalyst for hydrogen evolution. Applied Catalysis B: Environmental, 2019, 259, 118036. | 20.2 | 77 |
| 110 | In situ high-resolution XPS studies on adsorption of NO on Pt( 111 ). Surface Science, 2003, 529, 384-396. | 1.9 | 76 |
| 111 | Confined Synthesis of Organometallic Chains and Macrocycles by Cuâ€“O Surface Templating. ACS Nano, 2016, 10, 3747-3754. | 14.6 | 73 |
| 112 | Confined on-surface organic synthesis: Strategies and mechanisms. Surface Science Reports, 2019, 74, 97-140. | 7.2 | 71 |
| 113 | Selective CO<sub>2</sub> Photoreduction into C<sub>2</sub> Product Enabled by Charge-Polarized Metal Pair Sites. Nano Letters, 2021, 21, 2324-2331. | 9.1 | 71 |
| 114 | Surfactant-assisted synthesis of lanthanide metal-organic framework nanorods and their fluorescence sensing of nitroaromatic explosives. Materials Letters, 2011, 65, 1385-1387. | 2.6 | 68 |
| 115 | Thiophene Fused Azacoronenes: Regioselective Synthesis, Self-Organization, Charge Transport and Its Incorporation in Conjugated Polymers. Chemistry of Materials, 2014, 26, 3920-3927. | 6.7 | 68 |
| 116 | Kinetic Strategies for the Formation of Graphyne Nanowires via Sonogashira Coupling on Ag(111). Journal of the American Chemical Society, 2018, 140, 13421-13428. | 13.7 | 68 |
| 117 | One-Step Construction of a Hollow Au@Bimetalâ€“Organic Framework Coreâ€“Shell Catalytic Nanoreactor for Selective Alcohol Oxidation Reaction. ACS Applied Materials & Interfaces, 2021, 13, 12463-12471. | 8.0 | 68 |
| 118 | Activated adsorption of methane on Pt(1â€‰1â€‰1) â€”anin situXPS study. New Journal of Physics, 2005, 7, 107-107. | 2.9 | 67 |
| 119 | A Stable and Efficient Cathode for Fluorineâ€Containing Protonâ€Conducting Solid Oxide Fuel Cells. ChemSusChem, 2018, 11, 3423-3430. | 6.8 | 67 |
| 120 | On-surface synthesis and characterization of individual polyacetylene chains. Nature Chemistry, 2019, 11, 924-930. | 13.6 | 67 |
| 121 | Covalent, Organometallic, and Halogen-Bonded Nanomeshes from Tetrabromo-Terphenyl by Surface-Assisted Synthesis on Cu(111). Journal of Physical Chemistry C, 2014, 118, 13018-13025. | 3.1 | 66 |
| 122 | MOF-Derived Ultrathin Cobalt Phosphide Nanosheets as Efficient Bifunctional Hydrogen Evolution Reaction and Oxygen Evolution Reaction Electrocatalysts. Nanomaterials, 2018, 8, 89. | 4.1 | 66 |
| 123 | Towards full-spectrum photocatalysis: Achieving a Z-scheme between Ag2S and TiO2 by engineering energy band alignment with interfacial Ag. Nano Research, 2015, 8, 3621-3629. | 10.4 | 65 |
| 124 | Polymorphic cobalt diselenide as extremely stable electrocatalyst in acidic media via a phase-mixing strategy. Nature Communications, 2019, 10, 5338. | 12.8 | 65 |
| 125 | Metal Charge Transfer Doped Carbon Dots with Reversibly Switchable, Ultra-High Quantum Yield Photoluminescence. ACS Applied Nano Materials, 2018, 1, 1886-1893. | 5.0 | 64 |
| 126 | Mesoporous Pd@Ru Coreâ€“Shell Nanorods for Hydrogen Evolution Reaction in Alkaline Solution. ACS Applied Materials & Interfaces, 2018, 10, 34147-34152. | 8.0 | 64 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Nobleâ€Metalâ€Free Janusâ€like Structures by Cation Exchange for Zâ€Scheme Photocatalytic Water Splitting under Broadband Light Irradiation. Angewandte Chemie, 2017, 129, 4270-4274. | 2.0 | 62 |
| 128 | Scaledâ€Up Synthesis of Amorphous NiFeMo Oxides and Their Rapid Surface Reconstruction for Superior Oxygen Evolution Catalysis. Angewandte Chemie, 2019, 131, 15919-15924. | 2.0 | 62 |
| 129 | Strongly Coupled Cobalt Diselenide Monolayers for Selective Electrocatalytic Oxygen Reduction to H<sub>2</sub>O<sub>2</sub> under Acidic Conditions. Angewandte Chemie - International Edition, 2021, 60, 26922-26931. | 13.8 | 61 |
| 130 | From covalent triazine-based frameworks to N-doped porous carbon/reduced graphene oxide nanosheets: efficient electrocatalysts for oxygen reduction. Journal of Materials Chemistry A, 2017, 5, 23170-23178. | 10.3 | 60 |
| 131 | Efficient Photooxidation of Methane to Liquid Oxygenates over ZnO Nanosheets at Atmospheric Pressure and Near Room Temperature. Nano Letters, 2021, 21, 4122-4128. | 9.1 | 60 |
| 132 | A Critical Review on Black Phosphorusâ€Based Photocatalytic CO<sub>2</sub> Reduction Application. Small, 2021, 17, e2102155. | 10.0 | 60 |
| 133 | Room-Temperature Photooxidation of CH<sub>4</sub> to CH<sub>3</sub>OH with Nearly 100% Selectivity over Hetero-ZnO/Fe<sub>2</sub>O<sub>3</sub> Porous Nanosheets. Journal of the American Chemical Society, 2022, 144, 12357-12366. | 13.7 | 59 |
| 134 | Highly Stable Grapheneâ€Based Multilayer Films Immobilized via Covalent Bonds and Their Applications in Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2013, 23, 2422-2435. | 14.9 | 56 |
| 135 | In Situ Topotactic Transformation of an Interstitial Alloy for CO Electroreduction. Advanced Materials, 2020, 32, e2002382. | 21.0 | 56 |
| 136 | Hollow CuS Nanoboxes as Liâ€Free Cathode for Highâ€Rate and Longâ€Life Lithium Metal Batteries. Advanced Energy Materials, 2020, 10, 1903401. | 19.5 | 56 |
| 137 | Conversion reaction of vanadium sulfide electrode in the lithium-ion cell: Reversible or not reversible?. Nano Energy, 2018, 51, 391-399. | 16.0 | 55 |
| 138 | Selective on-surface covalent coupling based on metal-organic coordination template. Nature Communications, 2019, 10, 70. | 12.8 | 55 |
| 139 | Kinetics of the CO oxidation reaction on Pt(111) studied by in situ high-resolution x-ray photoelectron spectroscopy. Journal of Chemical Physics, 2004, 120, 7113-7122. | 3.0 | 54 |
| 140 | Surface-Limited Superconducting Phase Transition on 1T-TaS<sub>2</sub>. ACS Nano, 2018, 12, 12619-12628. | 14.6 | 54 |
| 141 | Porosity-induced emission: exploring color-controllable fluorescence of porous organic polymers and their chemical sensing applications. Journal of Materials Chemistry C, 2015, 3, 6876-6881. | 5.5 | 53 |
| 142 | Hierarchical Dehydrogenation Reactions on a Copper Surface. Journal of the American Chemical Society, 2018, 140, 6076-6082. | 13.7 | 53 |
| 143 | Unveiling the Active Site of Metal-Free Nitrogen-doped Carbon for Electrocatalytic Carbon Dioxide Reduction. Cell Reports Physical Science, 2020, 1, 100145. | 5.6 | 53 |
| 144 | Organic additive-free synthesis of mesocrystalline hematite nanoplates via two-dimensional oriented attachment. CrystEngComm, 2014, 16, 1553-1559. | 2.6 | 52 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Synthesis of Monolayer Blue Phosphorus Enabled by Silicon Intercalation. ACS Nano, 2020, 14, 3687-3695. | 14.6 | 52 |
| 146 | Steering Unit Cell Dipole and Internal Electric Field by Highly Dispersed Er atoms Embedded into NiO for Efficient CO<sub>2</sub> Photoreduction. Advanced Functional Materials, 2022, 32, . | 14.9 | 52 |
| 147 | Vibrationally resolved in situ XPS study of activated adsorption of methane on Pt(111). Chemical Physics Letters, 2004, 390, 208-213. | 2.6 | 51 |
| 148 | A site-selective in situ study of CO adsorption and desorption on Pt(355). Journal of Chemical Physics, 2006, 124, 074712. | 3.0 | 51 |
| 149 | High adsorption capacity and the key role of carbonate groups for heavy metal ion removal by basic aluminum carbonate porous nanospheres. Journal of Materials Chemistry, 2012, 22, 19898. | 6.7 | 51 |
| 150 | Promoting desulfurization capacity and separation efficiency simultaneously by the novel magnetic Fe<sub>3</sub>O<sub>4</sub>@PAA@MOF-199. RSC Advances, 2014, 4, 41902-41909. | 3.6 | 50 |
| 151 | Facile synthesis of highly luminescent nanowires of a terbium-based metalâ€“organic framework by an ultrasonic-assisted method and their application as a luminescent probe for selective sensing of organoamines. Inorganic Chemistry Communication, 2012, 17, 147-150. | 3.9 | 49 |
| 152 | Metalâ€“organic gel templated synthesis of magnetic porous carbon for highly efficient removal of organic dyes. Dalton Transactions, 2016, 45, 4541-4547. | 3.3 | 49 |
| 153 | Surface Adatom Mediated Structural Transformation in Bromoarene Monolayers: Precursor Phases in Surface Ullmann Reaction. ACS Nano, 2018, 12, 2267-2274. | 14.6 | 49 |
| 154 | Electrochemical activity of 1Tâ€² structured rhenium selenide nanosheets via electronic structural modulation from selenium-vacancy generation. Journal of Materials Chemistry A, 2018, 6, 22526-22533. | 10.3 | 49 |
| 155 | Anchoring Pt Single Atoms on Te Nanowires for Plasmonâ€Enhanced Dehydrogenation of Formic Acid at Room Temperature. Advanced Science, 2019, 6, 1900006. | 11.2 | 49 |
| 156 | Nitrogen doped FeS2 nanoparticles for efficient and stable hydrogen evolution reaction. Journal of Energy Chemistry, 2021, 56, 283-289. | 12.9 | 49 |
| 157 | Surface Science Studies on the Zirconia-Based Model Catalysts. Topics in Catalysis, 2013, 56, 1525-1541. | 2.8 | 48 |
| 158 | Near-surface dilution of trace Pd atoms to facilitate Pd-H bond cleavage for giant enhancement of electrocatalytic hydrogen evolution. Nano Energy, 2017, 34, 306-312. | 16.0 | 48 |
| 159 | Selective CO<sub>2</sub> Photoreduction to CH<sub>4</sub> via Pd<sup>Î´+</sup>â€Assisted Hydrodeoxygenation over CeO<sub>2</sub> Nanosheets. Angewandte Chemie - International Edition, 2022, 61, . | 13.8 | 48 |
| 160 | High-performance lithium/sulfur cells with a bi-functionally immobilized sulfur cathode. Nano Energy, 2014, 9, 408-416. | 16.0 | 47 |
| 161 | Coreâ€“shell nanoporous AuCu<sub>3</sub>@Au monolithic electrode for efficient electrochemical CO<sub>2</sub> reduction. Journal of Materials Chemistry A, 2020, 8, 3344-3350. | 10.3 | 46 |
| 162 | Calcium Adsorption on MgO(100):â€‰ Energetics, Structure, and Role of Defects. Journal of the American Chemical Society, 2008, 130, 2314-2322. | 13.7 | 45 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Three-dimensional porous Fe0.1V2O5.15 thin film as a cathode material for lithium ion batteries. Electrochimica Acta, 2012, 64, 81-86. | 5.2 | 45 |
| 164 | Modulate Organicâ€Metal Oxide Heterojunction via [1,6] Azafulleroid for Highly Efficient Organic Solar Cells. Advanced Materials, 2016, 28, 7269-7275. | 21.0 | 45 |
| 165 | Organic dye doped graphitic carbon nitride with a tailored electronic structure for enhanced photocatalytic hydrogen production. Catalysis Science and Technology, 2019, 9, 502-508. | 4.1 | 45 |
| 166 | An Efficient Turingâ€Type Ag<sub>2</sub>Seâ€CoSe<sub>2</sub> Multiâ€Interfacial Oxygenâ€Evolving Electrocatalyst**. Angewandte Chemie - International Edition, 2021, 60, 6553-6560. | 13.8 | 45 |
| 167 | Coordination reaction between tetraphenylporphyrin and nickel on a TiO<sub>2</sub>(110) surface. Chemical Communications, 2014, 50, 8291-8294. | 4.1 | 44 |
| 168 | Coadsorption of D2O and CO on Pt(111) Studied by in Situ High-Resolution X-ray Photoelectron Spectroscopy. Langmuir, 2004, 20, 1819-1826. | 3.5 | 43 |
| 169 | Rechargeable Aluminiumâ€“Sulfur Battery with Improved Electrochemical Performance by Cobaltâ€Containing Electrocatalyst. Angewandte Chemie - International Edition, 2020, 59, 22963-22967. | 13.8 | 43 |
| 170 | Highly Selective Synthesis of cisâ€Enediynes on a Ag(111) Surface. Angewandte Chemie - International Edition, 2017, 56, 4762-4766. | 13.8 | 42 |
| 171 | MOG-derived porous FeCo/C nanocomposites as a potential platform for enhanced catalytic activity and lithium-ion batteries performance. Journal of Colloid and Interface Science, 2018, 522, 283-290. | 9.4 | 42 |
| 172 | Nickel Doping in Atomically Thin Tin Disulfide Nanosheets Enables Highly Efficient CO<sub>2</sub> Reduction. Angewandte Chemie, 2018, 130, 11120-11124. | 2.0 | 42 |
| 173 | Plastics-to-syngas photocatalysed by Coâ€“Ga2O3 nanosheets. National Science Review, 2022, 9, . | 9.5 | 42 |
| 174 | Formation of the Calcium/Poly(3-Hexylthiophene) Interface: Structure and Energetics. Journal of the American Chemical Society, 2009, 131, 13498-13507. | 13.7 | 41 |
| 175 | Visibleâ€Lightâ€Driven Overall Water Splitting Boosted by Tetrahedrally Coordinated Blende Cobalt(II) Oxide Atomic Layers. Angewandte Chemie - International Edition, 2019, 58, 3032-3036. | 13.8 | 41 |
| 176 | Ag Nanoparticles on Reducible CeO<sub>2</sub>(111) Thin Films: Effect of Thickness and Stoichiometry of Ceria. Journal of Physical Chemistry C, 2015, 119, 3579-3588. | 3.1 | 40 |
| 177 | Intermediate States Directed Chiral Transfer on a Silver Surface. Journal of the American Chemical Society, 2019, 141, 168-174. | 13.7 | 40 |
| 178 | Electrochemical conversion of bulk platinum into platinum single-atom sites for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 10755-10760. | 10.3 | 40 |
| 179 | Fabrication of oxygen-doped MoSe2 hierarchical nanosheets for highly sensitive and selective detection of trace trimethylamine at room temperature in air. Nano Research, 2020, 13, 1704-1712. | 10.4 | 39 |
| 180 | Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | General Synthesis of Tube-like Nanostructured Perovskite Oxides with Tunable Transition Metalâ€“Oxygen Covalency for Efficient Water Electrooxidation in Neutral Media. Journal of the American Chemical Society, 2022, 144, 13163-13173. | 13.7 | 39 |
| 182 | Tribromobenzene on Cu(111): Temperature-dependent formation of halogen-bonded, organometallic, and covalent nanostructures. Journal of Chemical Physics, 2015, 142, 101906. | 3.0 | 38 |
| 183 | Chiral Kagome Lattices from Onâ€Surface Synthesized Molecules. ChemPhysChem, 2017, 18, 3329-3333. | 2.1 | 38 |
| 184 | Unravelling the Mechanism of Glaser Coupling Reaction on Ag(111) and Cu(111) Surfaces: a Case for Halogen Substituted Terminal Alkyne. Journal of Physical Chemistry C, 2018, 122, 14537-14545. | 3.1 | 38 |
| 185 | Water Additive Enhanced Solution Processing of Alloy Sb<sub>2</sub>(S<sub>1â^'x</sub>Se<sub>x</sub>)<sub>3</sub>â€Based Solar Cells. Solar Rrl, 2020, 4, 1900582. | 5.8 | 38 |
| 186 | Interplay between Interfacial Structures and Device Performance in Organic Solar Cells: A Case Study with the Low Work Function Metal, Calcium. ACS Applied Materials & Interfaces, 2016, 8, 2125-2131. | 8.0 | 37 |
| 187 | Feasible Modification of PEDOT:PSS by Poly(4-styrenesulfonic acid): A Universal Method to Double the Efficiencies for Solution-Processed Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2019, 11, 29105-29112. | 8.0 | 37 |
| 188 | Efficient photoelectrochemical CO2 conversion for selective acetic acid production. Science Bulletin, 2021, 66, 1296-1304. | 9.0 | 37 |
| 189 | Dynamic Atom Clusters on AuCu Nanoparticle Surface during CO Oxidation. Journal of the American Chemical Society, 2020, 142, 4022-4027. | 13.7 | 36 |
| 190 | TiN nanocrystal anchored on N-doped graphene as effective sulfur hosts for high-performance lithium-sulfur batteries. Journal of Energy Chemistry, 2021, 54, 16-22. | 12.9 | 35 |
| 191 | Over 1 GW/cm<sub>2</sub> Vertical Ga<sub>2</sub>O<sub>3</sub> Schottky Barrier Diodes Without Edge Termination. IEEE Electron Device Letters, 2022, 43, 264-267. | 3.9 | 34 |
| 192 | Single palladium atoms stabilized by Î²-FeOOH nanorod with superior performance for selective hydrogenation of cinnamaldehyde. Nano Research, 2022, 15, 3114-3121. | 10.4 | 34 |
| 193 | Ferroelectric control of single-molecule magnetism in 2D limit. Science Bulletin, 2020, 65, 1252-1259. | 9.0 | 33 |
| 194 | Double-site defect passivation of perovskite film via fullerene additive engineering toward highly efficient and stable bulk heterojunction solar cells. Nano Today, 2021, 39, 101164. | 11.9 | 33 |
| 195 | Hydroxyl Group Rich C<sub>60</sub> Fullerenol: An Excellent Hydrogen Bond Catalyst with Superb Activity, Selectivity, and Stability. ACS Catalysis, 2011, 1, 1158-1161. | 11.2 | 32 |
| 196 | Electronic structure study of ordering and interfacial interaction in graphene/Cu composites. Carbon, 2012, 50, 5316-5322. | 10.3 | 32 |
| 197 | X-ray Absorption Spectroscopy Characterization of a Li/S Cell. Nanomaterials, 2016, 6, 14. | 4.1 | 32 |
| 198 | The role of the substrate structure in the on-surface synthesis of organometallic and covalent oligophenylene chains. Physical Chemistry Chemical Physics, 2016, 18, 20627-20634. | 2.8 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Dualâ€Metal Sites Boosting Polarization of Nitrogen Molecules for Efficient Nitrogen Photofixation. Advanced Science, 2021, 8, 2100302. | 11.2 | 32 |
| 200 | Cracked-earth-like titanium carbide MXene membranes with abundant hydroxyl groups for oil-in-water emulsion separation. Journal of Colloid and Interface Science, 2022, 607, 378-388. | 9.4 | 32 |
| 201 | Ca Carboxylate Formation at the Calcium/Poly(methyl methacrylate) Interface. Journal of Physical Chemistry C, 2012, 116, 20465-20471. | 3.1 | 31 |
| 202 | Metaln+-MetalÎ´+ pair sites steer C-C coupling for selective CO2 photoreduction to C2 hydrocarbons. Nano Research, 2022, 15, 1882-1891. | 10.4 | 31 |
| 203 | Hungry Porphyrins: Protonation and Selfâ€Metalation of Tetraphenylporphyrin on TiO<sub>2</sub>(110) â€•1 Â— 1. ChemistrySelect, 2016, 1, 6103-6105. | 1.5 | 30 |
| 204 | Interface Formation between Calcium and Electron-Irradiated Poly(3-hexylthiophene). Langmuir, 2010, 26, 9632-9639. | 3.5 | 29 |
| 205 | Chiral recognition of zinc phthalocyanine on Cu(100) surface. Applied Physics Letters, 2012, 100, 081602. | 3.3 | 28 |
| 206 | Electronic band structure of graphene from resonant soft x-ray spectroscopy: The role of core-hole effects. Physical Review B, 2012, 86, . | 3.2 | 28 |
| 207 | Temperature-induced structural evolution of Sm nanoparticles on Al2O3 thin film: An in-situ investigation using SRPES, XPS and STM. Applied Surface Science, 2018, 432, 115-120. | 6.1 | 28 |
| 208 | Enabling Visibleâ€Lightâ€Driven Selective CO<sub>2</sub> Reduction by Doping Quantum Dots: Trapping Electrons and Suppressing H<sub>2</sub> Evolution. Angewandte Chemie, 2018, 130, 16685-16689. | 2.0 | 28 |
| 209 | Supramolecular Tessellations at Surfaces by Vertex Design. ACS Nano, 2019, 13, 10603-10611. | 14.6 | 28 |
| 210 | Reaction selectivity of homochiral versus heterochiral intermolecular reactions of prochiral terminal alkynes on surfaces. Nature Communications, 2019, 10, 4122. | 12.8 | 27 |
| 211 | The band offset at CdS/Cu2ZnSnS4 heterojunction interface. Electronic Materials Letters, 2012, 8, 365-367. | 2.2 | 26 |
| 212 | Interaction of Au with Thin ZrO<sub>2</sub> Films: Influence of ZrO<sub>2</sub> Morphology on the Adsorption and Thermal Stability of Au Nanoparticles. Langmuir, 2012, 28, 6045-6051. | 3.5 | 26 |
| 213 | Electrostatic spray deposition of porous Fe2V4O13 films as electrodes for Li-ion batteries. Journal of Alloys and Compounds, 2012, 520, 77-82. | 5.5 | 26 |
| 214 | Surface passivation of black phosphorus via van der Waals stacked PTCDA. Applied Surface Science, 2019, 496, 143688. | 6.1 | 26 |
| 215 | Ethene adsorption and dehydrogenation on clean and oxygen precovered Ni(111) studied by high resolution x-ray photoelectron spectroscopy. Journal of Chemical Physics, 2010, 133, 014706. | 3.0 | 25 |
| 216 | On-Surface Synthesis of Armchair-Edged Graphene Nanoribbons with Zigzag Topology. Journal of Physical Chemistry C, 2020, 124, 5248-5256. | 3.1 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Carbon-coated Fe2O3 hollow sea urchin nanostructures as high-performance anode materials for lithium-ion battery. Science China Materials, 2021, 64, 307-317. | 6.3 | 25 |
| 218 | Direct Formation of Câ€“C Double-Bonded Structural Motifs by On-Surface Dehalogenative Homocoupling of gem-Dibromomethyl Molecules. ACS Nano, 2018, 12, 7959-7966. | 14.6 | 24 |
| 219 | Comprehensive electronic structure characterization of pristine and nitrogen/phosphorus doped carbon nanocages. Carbon, 2016, 103, 480-487. | 10.3 | 23 |
| 220 | Highly Degenerate Ground States in a Frustrated Antiferromagnetic Kagome Lattice in a Two-Dimensional Metalâ€“Organic Framework. Journal of Physical Chemistry Letters, 2021, 12, 3733-3739. | 4.6 | 23 |
| 221 | Boosting photoelectrochemical efficiency by near-infrared-active lattice-matched morphological heterojunctions. Nature Communications, 2021, 12, 4296. | 12.8 | 23 |
| 222 | Synergizing Surface Hydride Species and Ru Clusters on Sm<sub>2</sub>O<sub>3</sub> for Efficient Ammonia Synthesis. ACS Catalysis, 2022, 12, 2178-2190. | 11.2 | 23 |
| 223 | Role of oxygen incorporation in electronic properties of rubrene films. Applied Physics Letters, 2010, 97, 032106. | 3.3 | 22 |
| 224 | Interaction of Zr with CeO<sub>2</sub>(111) Thin Film and Its Influence on Supported Ag Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 18257-18266. | 3.1 | 22 |
| 225 | Tracking the Local Effect of Fluorine Self-Doping in Anodic TiO<sub>2</sub> Nanotubes. Journal of Physical Chemistry C, 2016, 120, 4623-4628. | 3.1 | 22 |
| 226 | Enhancing electrochemical nitrogen reduction with Ru nanowires via the atomic decoration of Pt. Journal of Materials Chemistry A, 2020, 8, 25142-25147. | 10.3 | 22 |
| 227 | Tuning the Interaction between Ruthenium Single Atoms and the Second Coordination Sphere for Efficient Nitrogen Photofixation. Advanced Functional Materials, 2022, 32, . | 14.9 | 22 |
| 228 | Adsorption Energy, Growth Mode, and Sticking Probability of Ca on Poly(methyl methacrylate) Surfaces with and without Electron Damage. Journal of the American Chemical Society, 2007, 129, 6432-6441. | 13.7 | 21 |
| 229 | Low energy Ar-ion bombardment effects on the CeO2 surface. Applied Surface Science, 2012, 258, 2057-2061. | 6.1 | 21 |
| 230 | Simultaneous reduction and N-doping of graphene oxides by low-energy N2+ ion sputtering. Carbon, 2013, 62, 365-373. | 10.3 | 21 |
| 231 | Enhanced O2 reduction on atomically thin Pt-based nanoshells by integrating surface facet, interfacial electronic, and substrate stabilization effects. Nano Research, 2018, 11, 3313-3326. | 10.4 | 21 |
| 232 | Interfacial electronic interaction of atomically dispersed IrClx on ultrathin Co(OH)2/CNTs for efficient electrocatalytic water oxidation. Applied Catalysis B: Environmental, 2020, 279, 119398. | 20.2 | 21 |
| 233 | Hydrodeoxygenation of lignin-derived phenolics over facile prepared bimetallic RuCoNx/NC. Fuel, 2022, 308, 121979. | 6.4 | 21 |
| 234 | Heats of adsorption of Pb on pristine and electron-irradiated poly(methyl methacrylate) by microcalorimetry. Surface Science, 2005, 598, 22-34. | 1.9 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Lithium adsorption on MgO(100) and its defects: Charge transfer, structure, and energetics. Physical Review B, 2009, 80, . | 3.2 | 20 |
| 236 | Metalation of tetraphenylporphyrin with nickel on a TiO2(110)-1 Ã— 2 surface. Nanoscale, 2016, 8, 1123-1132. | 5.6 | 20 |
| 237 | Low-Temperature Dissociation of CO<sub>2</sub> on a Ni/CeO<sub>2</sub>(111)/Ru(0001) Model Catalyst. Journal of Physical Chemistry C, 2016, 120, 5980-5987. | 3.1 | 20 |
| 238 | Interaction between Cu Nanoparticles and CeO<sub>2</sub>(111) Film Surfaces. Journal of Physical Chemistry C, 2019, 123, 23563-23571. | 3.1 | 20 |
| 239 | Chemisorption-Induced Formation of Biphenylene Dimer on Ag(111). Journal of the American Chemical Society, 2022, 144, 723-732. | 13.7 | 20 |
| 240 | The adsorption of NO on an oxygen pre-covered Pt(111) surface: in situ high-resolution XPS combined with molecular beam studies. Surface Science, 2003, 547, 410-420. | 1.9 | 19 |
| 241 | Pyroelectric heat detector for measuring adsorption energies on thicker single crystals. Sensors and Actuators B: Chemical, 2005, 107, 454-460. | 7.8 | 19 |
| 242 | Iron Resonant Photoemission Spectroscopy on Anodized Hematite Points to Electron Hole Doping during Anodization. ChemPhysChem, 2012, 13, 2937-2944. | 2.1 | 19 |
| 243 | Interaction of Mn with reducible CeO2(111) thin films. Applied Surface Science, 2013, 283, 1-5. | 6.1 | 19 |
| 244 | Top-down fabrication of hematite mesocrystals with tunable morphologies. CrystEngComm, 2013, 15, 6284. | 2.6 | 19 |
| 245 | Between photocatalysis and photosynthesis: Synchrotron spectroscopy methods on molecules and materials for solar hydrogen generation. Journal of Electron Spectroscopy and Related Phenomena, 2013, 190, 93-105. | 1.7 | 18 |
| 246 | Structural and Optical Interplay of Palladium-Modified TiO<sub>2</sub> Nanoheterostructure. Journal of Physical Chemistry C, 2015, 119, 2222-2230. | 3.1 | 18 |
| 247 | Surface Modification on Pd Nanostructures for Selective Styrene Oxidation with Molecular Oxygen. ChemNanoMat, 2018, 4, 467-471. | 2.8 | 18 |
| 248 | MIL-100(Al) Gels as an Excellent Platform Loaded with Doxorubicin Hydrochloride for pH-Triggered Drug Release and Anticancer Effect. Nanomaterials, 2018, 8, 446. | 4.1 | 18 |
| 249 | In Situ Investigations of Al/Perovskite Interfacial Structures. ACS Applied Materials & Interfaces, 2020, 12, 28861-28868. | 8.0 | 18 |
| 250 | In situ investigation of interfacial properties of Sb2Se3 heterojunctions. Applied Physics Letters, 2020, 116, . | 3.3 | 18 |
| 251 | Intercalation of Li at the Graphene/Cu Interface. Journal of Physical Chemistry C, 2013, 117, 9259-9265. | 3.1 | 17 |
| 252 | Visibleâ€Lightâ€Driven Overall Water Splitting Boosted by Tetrahedrally Coordinated Blende Cobalt(II) Oxide Atomic Layers. Angewandte Chemie, 2019, 131, 3064-3068. | 2.0 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Photocatalytic Conversion of Waste Plastics into C<sub>2</sub> Fuels under Simulated Natural Environment Conditions. Angewandte Chemie, 2020, 132, 15627-15631. | 2.0 | 17 |
| 254 | Low-temperature phases of Xe on Pd(111). Physical Review B, 2003, 68, . | 3.2 | 16 |
| 255 | Growth, Structure, and Stability of Au on Ordered ZrO<sub>2</sub>(111) Thin Films. Journal of Physical Chemistry C, 2011, 115, 10744-10751. | 3.1 | 16 |
| 256 | Electronic structures and chemical reactions at the interface between Li and regioregular poly (3-hexylthiophene). Organic Electronics, 2012, 13, 1060-1067. | 2.6 | 16 |
| 257 | Stability and protection of nanowire devices in air. Nano Research, 2018, 11, 3353-3361. | 10.4 | 16 |
| 258 | Oxygen modified CoP2 supported palladium nanoparticles as highly efficient catalyst for hydrolysis of ammonia borane. Nano Research, 2022, 15, 3034-3041. | 10.4 | 16 |
| 259 | Modulation of BiOBr-based photocatalysts for energy and environmental application: A critical review. Journal of Environmental Chemical Engineering, 2022, 10, 107226. | 6.7 | 16 |
| 260 | Selective synthesis of Kagome nanoporous graphene on Ag(111) via an organometallic template. Nanoscale, 2022, 14, 6239-6247. | 5.6 | 16 |
| 261 | Surface Engineering on Commercial Cu Foil for Steering C<sub>2</sub>H<sub>4</sub>/CH<sub>4</sub> Ratio in CO<sub>2</sub> Electroreduction. Nano Letters, 2022, 22, 2988-2994. | 9.1 | 16 |
| 262 | Single-Atom Manganese Anchored on Carbon Dots for Promoting Mitochondrial Targeting and Photodynamic Effect in Cancer Treatment. ACS Applied Nano Materials, 2022, 5, 6679-6690. | 5.0 | 16 |
| 263 | Spontaneous Bulk-Surface Charge Separation of TiO<sub>2</sub>-{001} Nanocrystals Leads to High Activity in Photocatalytic Methane Combustion. ACS Catalysis, 2022, 12, 6457-6463. | 11.2 | 16 |
| 264 | Epitaxial growth of ultrathin ZrO2(111) films on Pt(111). Science Bulletin, 2011, 56, 502-507. | 1.7 | 15 |
| 265 | Competitive Adsorption between a Polymer and Its Monomeric Analog Enables Precise Modulation of Nanowire Synthesis. CheM, 2018, 4, 2451-2462. | 11.7 | 15 |
| 266 | Proton-free electron-trapping feature of titanium dioxide nanoparticles without the characteristic blue color. Communications Chemistry, 2019, 2, . | 4.5 | 15 |
| 267 | Topology Selectivity in On-Surface Dehydrogenative Coupling Reaction: Dendritic Structure versus Porous Graphene Nanoribbon. ACS Nano, 2021, 15, 4617-4626. | 14.6 | 15 |
| 268 | The design and sensitivity of JUNOâ€™s scintillator radiopurity pre-detector OSIRIS. European Physical Journal C, 2021, 81, 1. | 3.9 | 15 |
| 269 | Atomically Defined Undercoordinated Copper Active Sites over Nitrogenâ€Doped Carbon for Aerobic Oxidation of Alcohols. Small, 2022, 18, e2106614. | 10.0 | 15 |
| 270 | Growth and electronic structure of Sm on thin Al2O3/Ni3Al(111) films. Journal of Chemical Physics, 2012, 136, 154705. | 3.0 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Decarboxylation of Fatty Acids on Anisotropic Au(110) Surfaces. Journal of Physical Chemistry C, 2018, 122, 9075-9080. | 3.1 | 14 |
| 272 | Understanding the electrochemical reaction mechanism of VS<sub>2</sub> nanosheets in lithium-ion cells by multiple in situ and ex situ x-ray spectroscopy. Journal Physics D: Applied Physics, 2018, 51, 494001. | 2.8 | 14 |
| 273 | Noncovalent phosphorylation of graphene oxide with improved hole transport in high-efficiency polymer solar cells. Nanoscale, 2018, 10, 14840-14846. | 5.6 | 14 |
| 274 | Surface Modification on Pdâ€TiO 2 Hybrid Nanostructures towards Highly Efficient H 2 Production from Catalytic Formic Acid Decomposition. Chemistry - A European Journal, 2018, 24, 18398-18402. | 3.3 | 14 |
| 275 | Nickel Adatoms Induced Tautomeric Dehydrogenation of Thymine Molecules on Au(111). ACS Nano, 2018, 12, 9033-9039. | 14.6 | 14 |
| 276 | In situ investigations of interfacial degradation and ion migration at CH3NH3PbI3 perovskite/Ag interface. Chinese Journal of Chemical Physics, 2019, 32, 299-305. | 1.3 | 14 |
| 277 | On-Surface Synthesis of Chiral Ï€-Conjugate Porphyrin Tapes by Substrate-Regulated Dehydrogenative Coupling. Journal of Physical Chemistry C, 2019, 123, 23007-23013. | 3.1 | 14 |
| 278 | In2O3 Nanocrystals for CO2 Fixation: Atomic-Level Insight into the Role of Grain Boundaries. IScience, 2019, 16, 390-398. | 4.1 | 14 |
| 279 | Ultrastable and Efficient Visibleâ€lightâ€driven CO<sub>2</sub> Reduction Triggered by Regenerative Oxygenâ€Vacancies in Bi<sub>2</sub>O<sub>2</sub>CO<sub>3</sub> Nanosheets. Angewandte Chemie, 2021, 133, 13959-13965. | 2.0 | 14 |
| 280 | Electronic structure of PCBM. Chinese Physics B, 2012, 21, 017102. | 1.4 | 13 |
| 281 | Targeted design and synthesis of a highly selective Mo-based catalyst for the synthesis of higher alcohols. RSC Advances, 2016, 6, 38741-38745. | 3.6 | 13 |
| 282 | X-ray Absorption Spectroscopic Characterization of the Synthesis Process: Revealing the Interactions in Cetyltrimethylammonium Bromide-Modified Sulfurâ€“Graphene Oxide Nanocomposites. Journal of Physical Chemistry C, 2016, 120, 10111-10117. | 3.1 | 13 |
| 283 | Highly Selective Synthesis of cisâ€Enediynes on a Ag(111) Surface. Angewandte Chemie, 2017, 129, 4840-4844. | 2.0 | 13 |
| 284 | Catalytic Performance of Novel Hierarchical Porous Flower-Like NiCo2O4 Supported Pd in Lean Methane Oxidation. Catalysis Letters, 2018, 148, 2799-2811. | 2.6 | 13 |
| 285 | Construction of molecular regular tessellations on a Cu(111) surface. Chemical Communications, 2018, 54, 7010-7013. | 4.1 | 13 |
| 286 | Band Structure Engineering toward Low-Onset-Potential Photoelectrochemical Hydrogen Production. , 2020, 2, 1555-1560. | | 13 |
| 287 | Alkali metal storage mechanism in organic semiconductor of perylene-3,4,9,10-tetracarboxylicdianhydride. Applied Surface Science, 2020, 524, 146396. | 6.1 | 13 |
| 288 | The construction of NiFeS<sub>x</sub>/g-C<sub>3</sub>N<sub>4</sub> composites with high photocatalytic activity towards the degradation of refractory pollutants. Dalton Transactions, 2021, 50, 2436-2447. | 3.3 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 13 |
| 290 | Preparation and adsorption properties of Mo2N model catalyst. Applied Surface Science, 2000, 161, 86-93. | 6.1 | 12 |
| 291 | Dechlorinated Ullmann Coupling Reaction of Aryl Chlorides on Ag(111): A Combined STM and XPS Study. ChemPhysChem, 2019, 20, 2367-2375. | 2.1 | 12 |
| 292 | Kinetic Control over Morphology of Nanoporous Graphene on Surface. ChemPhysChem, 2019, 20, 2327-2332. | 2.1 | 12 |
| 293 | Probing reaction pathways for H2O-mediated HCHO photooxidation at room temperature. Nano Research, 2021, 14, 1471-1478. | 10.4 | 12 |
| 294 | Synergistic catalysis of cluster and atomic copper induced by copper-silica interface in transfer-hydrogenation. Nano Research, 2021, 14, 4601-4609. | 10.4 | 12 |
| 295 | Atmospheric CO2 capture and photofixation to near-unity CO by Ti3+-Vo-Ti3+ sites confined in TiO2 ultrathin layers. Science China Chemistry, 2021, 64, 953-958. | 8.2 | 12 |
| 296 | Synchrotron-Radiation Photoemission Study of Growth and Stability of Au Clusters on Rutile TiO2(110)-1 1. Chinese Journal of Chemical Physics, 2009, 22, 339-345. | 1.3 | 11 |
| 297 | Electronic structure and chemical reaction of Ca deposition on regioregular poly(3-hexylthiophene) surfaces. Science Bulletin, 2009, 54, 1978-1982. | 9.0 | 11 |
| 298 | Study of Au/Hg3In2Te6interface by synchrotron radiation photoemission spectroscopy. Journal of Applied Physics, 2013, 114, 083719. | 2.5 | 11 |
| 299 | Interaction of Zr with oxidized and partially reduced ceria thin films. Surface Science, 2016, 653, 205-210. | 1.9 | 11 |
| 300 | An in-situ spectroscopy investigation of alkali metal interaction mechanism with the imide functional group. Nano Research, 2020, 13, 3224-3229. | 10.4 | 11 |
| 301 | Efficient Infraredâ€Lightâ€Driven CO<sub>2</sub> Reduction Over Ultrathin Metallic Niâ€doped CoS<sub>2</sub> Nanosheets. Angewandte Chemie, 2021, 133, 8787-8791. | 2.0 | 11 |
| 302 | Structure Sensitivity of Auâ€TiO 2 Strong Metalâ€“Support Interactions. Angewandte Chemie, 2021, 133, 12181-12188. | 2.0 | 11 |
| 303 | JUNO sensitivity to low energy atmospheric neutrino spectra. European Physical Journal C, 2021, 81, 1. | 3.9 | 11 |
| 304 | Photoconverting polyethylene terephthalate into exclusive carbon dioxide by heterostructured NiO/Fe2O3 nanosheets under mild conditions. Science China Materials, 2022, 65, 985-991. | 6.3 | 11 |
| 305 | The study on the work function of CdZnTe with different surface states by synchrotron radiation photoemission spectroscopy. Journal of Applied Physics, 2009, 106, 053714. | 2.5 | 10 |
| 306 | Exploring the role of samarium in the modification of rhodium catalysts through surface science approach. Surface Science, 2009, 603, 1802-1811. | 1.9 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 307 | Band alignment determination of ZnO/PbSe heterostructure interfaces by synchrotron radiation photoelectron spectroscopy. Europhysics Letters, 2012, 99, 37010. | 2.0 | 10 |
| 308 | Electronic properties of Cr-N codoped rutile TiO2(110) thin films. Surface Science, 2017, 666, 84-89. | 1.9 | 10 |
| 309 | Synthesis of Quasiâ€Bilayer Subnano Metalâ€Oxide Interfacial Cluster Catalysts for Advanced Catalysis. Small, 2020, 16, e2005571. | 10.0 | 10 |
| 310 | Stepwise Synthesis of Nâ€“Agâ€“N and Câ€“Agâ€“C Organometallic Structures on a Ag(111) Surface. Journal of Physical Chemistry C, 2020, 124, 16415-16422. | 3.1 | 10 |
| 311 | Probing surface defects of ZnO using formaldehyde. Journal of Chemical Physics, 2020, 152, 074714. | 3.0 | 10 |
| 312 | Atomic structures and electronic properties of Cr-doped ZnO( ) surfaces. Chinese Journal of Catalysis, 2021, 42, 971-979. | 14.0 | 10 |
| 313 | Surface-assisted fabrication of low-dimensional carbon-based nanoarchitectures. Journal of Physics Condensed Matter, 2021, 33, 343001. | 1.8 | 10 |
| 314 | Interface Dipole and Schottky Barrier Formation at Au/CdZnTe(111)A Interfaces. Journal of Physical Chemistry C, 2010, 114, 16426-16429. | 3.1 | 9 |
| 315 | Band alignment of ZnO/CdSe quantum dots heterojunction determined by ultraviolet photoelectron spectroscopy using synchrotron radiation. Applied Surface Science, 2013, 276, 258-261. | 6.1 | 9 |
| 316 | Experimental Realization of One-Dimensional Metal-Inorganic Chain: Goldâ€“Phosphorus Chain. , 2020, 2, 873-879. | | 9 |
| 317 | Formic acid adsorption and decomposition on clean and atomic oxygen pre-covered Cu(100) surfaces. Journal of Chemical Physics, 2020, 152, 114703. | 3.0 | 9 |
| 318 | On-surface synthesis of planar acenes via regioselective arylâ€“aryl coupling. Chemical Communications, 2020, 56, 4890-4893. | 4.1 | 9 |
| 319 | NiFe-Layered Double Hydroxides as a Novel Hole Repository Layer for Reinforced Visible-Light Photocatalytic Activity for Degradation of Refractory Pollutants. Industrial & Engineering Chemistry Research, 2021, 60, 13834-13845. | 3.7 | 9 |
| 320 | Synthesis of PdS <sub>x</sub> -Mediated Polydymite Heteronanorods and Their Long-Range Activation for Enhanced Water Electroreduction. Research, 2019, 2019, 8078549. | 5.7 | 9 |
| 321 | Synthesis and optical properties of poly[3-(2-methoxyphenyl)thiophene] nanowires confined in porous anodic alumina membrane. Optical Materials, 2008, 30, 1861-1866. | 3.6 | 8 |
| 322 | Valence band of poly(sodium 4-styrenesulfonate) intercalated graphite oxide composites. Chemical Physics Letters, 2013, 559, 67-70. | 2.6 | 8 |
| 323 | Effect of Mn Promoter on Structure and Performance of K-Co-Mo Catalyst for Synthesis of Higher Alcohols from CO Hydrogenation. Chinese Journal of Chemical Physics, 2016, 29, 671-680. | 1.3 | 8 |
| 324 | Controlling Auâ€“Pd Surface on Au Nanocubes for Selective Catalytic Alkyne Semihydrogenation. Particle and Particle Systems Characterization, 2018, 35, 1700377. | 2.3 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 325 | Sm on CeO2(111): A Case for Ceria Modification via Strong Metalâ€“Ceria Interaction. Topics in Catalysis, 2018, 61, 1227-1236. | 2.8 | 8 |
| 326 | A Dopant Replacementâ€Driven Molten Salt Method toward the Synthesis of Subâ€5â€nmâ€Sized Ultrathin Nanowires. Small, 2020, 16, 2001098. | 10.0 | 8 |
| 327 | Anti-photocorrosive photoanode with RGO/PdS as hole extraction layer. Science China Materials, 2020, 63, 1939-1947. | 6.3 | 8 |
| 328 | In Situ Investigation of the Cu/CH 3 NH 3 PbI 3 Interface in Perovskite Device. Advanced Materials Interfaces, 2021, 8, 2100120. | 3.7 | 8 |
| 329 | Natural Nanofibrous Cellulose-Derived Solid Acid Catalysts. Research, 2019, 2019, 6262719. | 5.7 | 8 |
| 330 | Quasi-Monolayer Ag<sub>2</sub>Se/1T-WSe<sub>2</sub>Nanosheets for Enhanced Electrocatalytic Hydrogen Evolution and Charge Storage. ACS Applied Nano Materials, 2022, 5, 6410-6421. | 5.0 | 8 |
| 331 | Generating oxygen adatoms on Au(997) by thermal decomposition of NO2. Science Bulletin, 2010, 55, 3889-3893. | 1.7 | 7 |
| 332 | Energy band alignment of PbTe/CdTe(111) interface determined by ultraviolet photoelectron spectra using synchrotron radiation. Chinese Physics B, 2010, 19, 077301. | 1.4 | 7 |
| 333 | Interaction of oxygen with samarium on Al2O3 thin film grown on Ni3Al(111). Journal of Chemical Physics, 2014, 140, 094706. | 3.0 | 7 |
| 334 | Engineering the metalâ€“organic interface by transferring a high-quality single layer graphene on top of organic materials. Carbon, 2015, 87, 78-86. | 10.3 | 7 |
| 335 | On-Surface Ullmann Reaction for the Synthesis of Polymers and Macrocycles. Advances in Atom and Single Molecule Machines, 2018, , 83-112. | 0.0 | 7 |
| 336 | Activating P2-NaxCoO2 for efficient water oxidation catalysis via controlled chemical oxidation. Materials Today Chemistry, 2018, 10, 206-212. | 3.5 | 7 |
| 337 | Stable Active Sites on Ni 12 P 5 Surfaces for the Hydrogen Evolution Reaction. Energy Technology, 2019, 7, 1900013. | 3.8 | 7 |
| 338 | Fine-tuning of two-dimensional metalâ€“organic nanostructures via alkaliâ€“pyridyl coordination. Nanoscale Advances, 2020, 2, 2170-2176. | 4.6 | 7 |
| 339 | Fundamental Insights into Surface Modification of Silicon Material toward Improved Activity and Durability in Photocatalytic Hydrogen Production: A Case Study of Pre-Lithiation. Journal of Physical Chemistry C, 2021, 125, 5542-5548. | 3.1 | 7 |
| 340 | Rational design of dumbbell-like Au-Fe3O4@Carbon yolk@shell nanospheres with superior catalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 623, 126665. | 4.7 | 7 |
| 341 | Chiral nanoporous networks featuring various chiral vertices from an achiral molecule on Ag(100). Nano Research, 2022, 15, 3753-3762. | 10.4 | 7 |
| 342 | Constructing artificial mimic-enzyme catalysts for carbon dioxide electroreduction. Science China Chemistry, 2022, 65, 106-113. | 8.2 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 343 | Revisiting Oxygen Adsorption on Ir(100). Journal of Physical Chemistry C, 2022, 126, 10035-10044. | 3.1 | 7 |
| 344 | Direct Observation of Nanoscale Native Oxide on 6H-SiC Surface and Its Effect on the Surface Band Bending. Applied Physics Express, 2012, 5, 105802. | 2.4 | 6 |
| 345 | Growth and Electronic Properties of Ag Nanoparticles on Reduced CeO2â^'x(111) Films. Chinese Journal of Chemical Physics, 2012, 25, 713-718. | 1.3 | 6 |
| 346 | Calcium Thin Film Growth on Polyfluorenes: Interface Structure and Energetics. Journal of Physical Chemistry C, 2014, 118, 2953-2962. | 3.1 | 6 |
| 347 | Interaction of cobalt with ceria thin films and its influence on supported Au nanoparticles. Chinese Chemical Letters, 2017, 28, 1760-1766. | 9.0 | 6 |
| 348 | Controlling the Topology of Low-Dimensional Organic Nanostructures with Surface Templates. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 1288-1296. | 4.9 | 6 |
| 349 | Co-precipitation synthesis of reusable ZnAl-CLDH/ZIF-8 heterojunction for enhanced photodegradation of organic dye. Journal of Materials Science: Materials in Electronics, 2021, 32, 28051-28064. | 2.2 | 6 |
| 350 | Sequential Activation of Aromatic Câ”€H Bonds on Cu(111). Journal of Physical Chemistry C, 2022, 126, 5541-5549. | 3.1 | 6 |
| 351 | Regulating Electronic Structure in Bi<sub>2</sub>O<sub>3</sub> Architectures by Ti Mediation: A Strategy for Dual Active Sites Synergistically Promoting Photocatalytic Nitrogen Hydrogenation. ChemSusChem, 2022, 15, . | 6.8 | 6 |
| 352 | Experimental determination of valence band offset at PbTe/Ge(100) interface by synchrotron radiation photoelectron spectroscopy. Applied Surface Science, 2010, 256, 6057-6059. | 6.1 | 5 |
| 353 | Atomic-Scale Insight into the Metalâ€“Support Interaction: A Case for Ag Nanoparticles on Ordered ZrO<sub>2</sub>(111) Thin Films. Journal of Physical Chemistry C, 2015, 119, 4235-4241. | 3.1 | 5 |
| 354 | On-Surface Synthesis of a Five-Membered Carbon Ring from a Terminal Alkynyl Bromide: A [4 + 1] Annulation. Journal of Physical Chemistry Letters, 2020, 11, 5902-5907. | 4.6 | 5 |
| 355 | Defects controlled doping and electrical transport in TiS2 single crystals. Applied Physics Letters, 2020, 116, . | 3.3 | 5 |
| 356 | Lateral Modulation of Magnetic Anisotropy in Tricolor 3dâ€“5d Oxide Superlattices. ACS Applied Electronic Materials, 2021, 3, 4210-4217. | 4.3 | 5 |
| 357 | Structure and properties of samarium overlayer and Sm/Rh surface alloy on Rh(100). Science Bulletin, 2001, 46, 1689-1691. | 1.7 | 4 |
| 358 | X-Ray Magnetic Circular Dichroism Measurement of Feâ€“Co Alloy Films Prepared by Electrodeposition. Chinese Physics Letters, 2007, 24, 2667-2670. | 3.3 | 4 |
| 359 | Study of 5d6s valence band and 4f states for metal Sm by synchrotron radiation photoelectron spectroscopy. Surface Science, 2008, 602, 3728-3732. | 1.9 | 4 |
| 360 | Adsorption of water molecules on the CdZnTe (111) B surface. Chemical Physics Letters, 2010, 489, 103-106. | 2.6 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 361 | Photoemission intensity oscillations in the valence bands of C70 film. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 414-419. | 1.7 | 4 |
| 362 | Performance of the undulator based ultraviolet and soft x-ray beamline for catalysis and surface science at National Synchrotron Radiation Laboratory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 838, 62-65. | 1.6 | 4 |
| 363 | Interface properties between a low band gap conjugated polymer and a calcium metal electrode. Physical Chemistry Chemical Physics, 2016, 18, 9446-9452. | 2.8 | 4 |
| 364 | Electronic states of Ca/PC61BM: Mechanism of low work function metal as interfacial material. AIP Advances, 2018, 8, 035015. | 1.3 | 4 |
| 365 | Photocatalytic fixation of nitrogen to ammonia by NiFe-LDH-derived sulfide microspheres. Journal of Materials Science: Materials in Electronics, 2021, 32, 13396-13408. | 2.2 | 4 |
| 366 | Valence photoemission intensity oscillations of C84. Carbon, 2012, 50, 1762-1768. | 10.3 | 3 |
| 367 | Electronic properties of aluminum/CdZnTe interfaces. Applied Physics Letters, 2013, 102, 211602. | 3.3 | 3 |
| 368 | Low-Temperature Growth Improves Metal/Polymer Interfaces: Vapor-Deposited Ca on PMMA. Journal of Physical Chemistry C, 2014, 118, 6352-6358. | 3.1 | 3 |
| 369 | Mechanism of Low Schottky Barrier Formation for Chromium/CdZnTe Contact. Journal of Physical Chemistry C, 2014, 118, 5294-5298. | 3.1 | 3 |
| 370 | Purine on graphene: PES and NEXAFS study of a heterocyclic aromatic organic compound. Current Applied Physics, 2016, 16, 1120-1123. | 2.4 | 3 |
| 371 | Effects of Gaâ€“Te interface layer on the potential barrier height of CdTe/GaAs heterointerface. Physical Chemistry Chemical Physics, 2016, 18, 2639-2645. | 2.8 | 3 |
| 372 | An ultrathin cuprite film on Pt(111) with high reactivity to CO. Chemical Communications, 2019, 55, 5825-5828. | 4.1 | 3 |
| 373 | Direct on-surface synthesis of goldâ€“phthalocyanine via cyclization of cyano-groups with gold adatoms. Materials Chemistry Frontiers, 2019, 3, 1406-1410. | 5.9 | 3 |
| 374 | Surface-mediated ordering of pristine Salen molecules on coinage metals. Inorganic Chemistry Frontiers, 2021, 8, 417-424. | 6.0 | 3 |
| 375 | Osmotic pressure-induced pocket-like spheres with Fe single-atom sites for the oxygen reduction reaction. Journal of Materials Chemistry A, 2021, 9, 13908-13915. | 10.3 | 3 |
| 376 | Fluorination-Guided Li-Anchoring Behaviors on Phthalocyanines. Journal of Physical Chemistry C, 2021, 125, 8236-8243. | 3.1 | 3 |
| 377 | Strongly Coupled Cobalt Diselenide Monolayers Selectively Catalyze Oxygen Reduction to H2O2 in an Acidic Environment. Angewandte Chemie, 0, , . | 2.0 | 3 |
| 378 | Role of Interfaces in the Thermal Reduction Process of the FeO/Cu2O/Cu(100) Surface. Journal of Physical Chemistry C, 2021, 125, 20863-20869. | 3.1 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 379 | Bismuth sulfide bridged Bi2S3/sulfuretted ZnAl-LDHs heterojunctions for synergetic enhancement of photodegradation activity towards tetracycline degradation. Journal of Materials Science: Materials in Electronics, 2022, 33, 871-883. | 2.2 | 3 |
| 380 | Photoemission study on the growth and stability of Gd cluster films over Ni(110) surface. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 533-537. | 1.7 | 2 |
| 381 | Effects of dispersant on performance of Ni-Zn batteries. Central South University, 2010, 17, 930-935. | 0.5 | 2 |
| 382 | Electronic structure of Euâ€“C<sub>70</sub>fullerides. Journal of Physics Condensed Matter, 2010, 22, 175504. | 1.8 | 2 |
| 383 | In-Situ SRPES Study on the Band Alignment of (0001)CdS/CdTe Heterojunction. Chinese Physics Letters, 2012, 29, 057301. | 3.3 | 2 |
| 384 | Effect of Ar+ ion etching treatment on the surface work function of Hg3In2Te6 wafer. Journal of Electron Spectroscopy and Related Phenomena, 2013, 187, 49-52. | 1.7 | 2 |
| 385 | Probing substrate-induced perturbations on the band structure of graphene on Ni(1 1 1) by soft X-ray emission spectroscopy. Chemical Physics Letters, 2013, 580, 43-47. | 2.6 | 2 |
| 386 | Electronic States of IC <sub>60</sub> BA and PC <sub>71</sub> BM. Chinese Physics Letters, 2013, 30, 117103. | 3.3 | 2 |
| 387 | Design of a Varied-line-spacing plane grating monochromator at NSRL for surface physics experiments. Journal of Physics: Conference Series, 2013, 425, 162008. | 0.4 | 2 |
| 388 | Novel Core-Shell Nanoparticle@Metal-Organic Framework Composite Materials as Heterogeneous Catalysts. , 2017, , 229-248. | | 2 |
| 389 | Onâ€Surface Synthesis. ChemPhysChem, 2019, 20, 2249-2250. | 2.1 | 2 |
| 390 | Morphologies and Electronic Structures of Calcium-Doped Ceria Model Catalysts and Their Interaction with CO<sub>2</sub>. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2018, 34, 1381-1389. | 4.9 | 2 |
| 391 | Surface morphology of F8BT films and interface structures and reactions of Al on F8BT films. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 077304. | 0.5 | 2 |
| 392 | Application of confinement effects in on-surface chemistry. Scientia Sinica Chimica, 2019, 49, 516-524. | 0.4 | 2 |
| 393 | Adsorption and reaction of an alkyne molecule on diverse oxygen-reconstructed Cu(110) surfaces. Surface Science, 2022, 719, 122039. | 1.9 | 2 |
| 394 | Converting n-Alkanol to Conjugated Polyenal on Cu(110) Surface at Mild Temperature. Journal of Physical Chemistry Letters, 2022, , 3276-3282. | 4.6 | 2 |
| 395 | Band Mapping of Graphene Studied by Resonant Inelastic X-ray Scattering. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 471-475. | 2.1 | 1 |
| 396 | Band offsets of ZnO/PbTe heterostructure determined by synchrotron radiation photoelectron spectroscopy. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 167301. | 0.5 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 397 | Synchrotron radiation photoemission study on growth of gadolinium film over Ni(110) surface. Science Bulletin, 1999, 44, 328-331. | 1.7 | 0 |
| 398 | Oxidation of Gdâ€“Ni composite and Gd cluster films grown on Ni(110) surface studied by photoemission. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 357-361. | 1.7 | 0 |
| 399 | Preparation and properties of the SmOx/Rh(100) model surface. Science Bulletin, 2002, 47, 1184-1186. | 1.7 | 0 |
| 400 | Alignment of the photoelectron spectroscopy beamline at NSRL. Chinese Physics C, 2013, 37, 118002. | 3.7 | 0 |
| 401 | THE ADSORPTION AND DESORPTION OF OXYGEN ON <font>CdZnTe</font> (111)<font>B</font>-(2 Ã— 2) SURFACE. Surface Review and Letters, 2013, 20, 1320001. | 1.1 | 0 |
| 402 | Growth and Interfacial Interaction of Cu on ZrO<SUB>2</SUB>(111) Thin Film. Chinese Journal of Catalysis, 2013, 33, 1712-1716. | 14.0 | 0 |
| 403 | Growth, Electronic Structure and Thermal Stability of Ni on ZrO<sub>2</sub>(111) Thin Film Surfaces. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2015, 31, 2151-2157. | 4.9 | 0 |
| 404 | Binodal Organometallic Network Achieved by On-Surface Dissymmetric Reaction. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 1297-1298. | 4.9 | 0 |
| 405 | Charged Exciton Formation in Compact Polycrystalline Perovskite Thin Films. ACS Photonics, 2022, 9, 1614-1620. | 6.6 | 0 |
| 406 | Selective CO2 Photoreduction to CH4 via PdáµŸ+â€assisted Hydrodeoxygenation over CeO2 Nanosheets. Angewandte Chemie, 0, , . | 2.0 | 0 |