

# Yu Han

## List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/7880771/publications.pdf](https://exaly.com/author-pdf/7880771/publications.pdf)

Version: 2025-02-01

344  
papers

28,955  
citations

2661

90  
h-index

4511

161  
g-index

372  
all docs

372  
docs citations

372  
times ranked

35469  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Unraveling Various Stacking Modes and Local Structures in Poly(triazine imide) Materials via Low-Dose Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2025, 147, 3896-3903.          | 15.7 | 0         |
| 2  | Atomically resolved imaging of radiation-sensitive metal-organic frameworks via electron ptychography. <i>Nature Communications</i> , 2025, 16, .   | 14.1 | 0         |
| 3  | Electron Microscopy Reveals Inhomogeneous Adsorption of Iodine and Concurrent Defect Formation in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2025, 147, 3959-3966.        | 15.7 | 0         |
| 4  | Highly sensitive, responsive, and selective iodine gas sensor fabricated using AgI-functionalized graphene. <i>Nature Communications</i> , 2025, 16, .  | 14.1 | 0         |
| 5  | Orthogonal Solvent Approach in Dimensionality-Heterointerface Perovskite Photovoltaics. <i>ACS Energy Letters</i> , 2025, 10, 982-990.  | 17.5 | 0         |
| 6  | Unlocking Atomic Degrees of Freedom in Liquid Metals for Accelerated Electrocatalytic Reactions. <i>ACS Catalysis</i> , 2025, 15, 3505-3514.  | 12.7 | 0         |
| 7  | Electronic Perturbation of Isolated Fe Coordination Structure for Enhanced Nitrogen Fixation. <i>ACS Nano</i> , 2024, 18, 288-298.  | 15.4 | 17        |
| 8  | Revolutionizing the structural design and determination of covalent-organic frameworks: principles, methods, and techniques. <i>Chemical Society Reviews</i> , 2024, 53, 502-544.                           | 38.2 | 35        |
| 9  | Cooperative tungsten centers in polymeric carbon nitride for efficient overall photosynthesis of hydrogen peroxide. <i>Energy and Environmental Science</i> , 2024, 17, 1520-1530.                          | 30.6 | 45        |
| 10 | Borosilicate-Based Framework: Synthesis, Single-Crystal Structure Study, and Physical Properties. <i>Inorganic Chemistry</i> , 2024, 63, 2663-2669.   | 4.6  | 4         |
| 11 | Amidoxime-functionalized tetraphenylethylene ladder polymer for efficient membrane-based gas separations. <i>European Polymer Journal</i> , 2024, 209, 112896.  | 6.0  | 4         |
| 12 | Copper nanoparticles encapsulated in zeolitic imidazolate framework-8 as a stable and selective CO <sub>2</sub> hydrogenation catalyst. <i>Nature Communications</i> , 2024, 15, .                          | 14.1 | 27        |
| 13 | Strategies for high-temperature methyl iodide capture in azolate-based metal-organic frameworks. <i>Nature Communications</i> , 2024, 15, .   | 14.1 | 9         |
| 14 | Single-atom platinum with asymmetric coordination environment on fully conjugated covalent organic framework for efficient electrocatalysis. <i>Nature Communications</i> , 2024, 15, .                     | 14.1 | 22        |
| 15 | Ultrastable ceramic-based metal-organic framework membranes with missing linkers for robust desalination. <i>Nature Water</i> , 2024, 2, 464-474.   | 11.2 | 7         |
| 16 | Enlarging the Three-Phase Boundary to Raise CO <sub>2</sub> /CH <sub>4</sub> Conversions on Exsolved Ni-Fe Alloy Perovskite Catalysts by Minimal Rh Doping. <i>ACS Catalysis</i> , 2024, 14, 5639-5653.     | 12.7 | 5         |
| 17 | Phase Engineering of Zirconium MOFs Enables Efficient Osmotic Energy Conversion: Structural Evolution Unveiled by Direct Imaging. <i>Journal of the American Chemical Society</i> , 2024, 146, 11855-11865. | 15.7 | 8         |
| 18 | Creating Cu(I) Sites in an MOF for Reversible Capture of Molecular Iodine at Low Concentrations and High Temperatures. , 2024, 6, 2794-2801.  |      | 4         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Planar Core and Macrocyclic Shell Stabilized Atomically Precise Copper Nanocluster Catalyst for Efficient Hydroboration of C=C Multiple Bond. <i>Journal of the American Chemical Society</i> , 2024, 146, 16295-16305.                      | 15.7 | 10        |
| 20 | Electrosynthesis of urea by using Fe <sub>2</sub> O <sub>3</sub> nanoparticles encapsulated in a conductive metal-organic framework. <i>Nature Synthesis</i> , 2024, 3, 1404-1413.   | 10.2 | 9         |
| 21 | A solar-driven atmospheric water extractor for off-grid freshwater generation and irrigation. <i>Nature Communications</i> , 2024, 15, .   | 14.1 | 4         |
| 22 | Covalent Organic Framework Membranes with Patterned High-Density Through-Pores for Ultrafast Molecular Sieving. <i>Journal of the American Chemical Society</i> , 2024, 146, 21989-21998.  | 15.7 | 6         |
| 23 | Wedging crystals to fabricate crystalline framework nanosheets via mechanochemistry. <i>Nature Communications</i> , 2024, 15, .  | 14.1 | 2         |
| 24 | Diamine chelates for increased stability in mixed Sn-Pb and all-perovskite tandem solar cells. <i>Nature Energy</i> , 2024, 9, 1388-1396.  | 26.7 | 9         |
| 25 | Advancing Single-Particle Analysis in Synthetic Chemical Systems: A Forward-Looking Discussion. <i>Advanced Materials</i> , 2024, 36, .  | 24.7 | 0         |
| 26 | Topochemical Polymerization at Diacetylene Metal-Organic Framework Thin Films for Tuning Nonlinear Optics. <i>Journal of the American Chemical Society</i> , 2024, 146, 25016-25027.   | 15.7 | 5         |
| 27 | MXene-Fiber Composite Membranes for Permeable and Biocompatible Skin-Interfaced Iontronic Mechanosensing. <i>Nano Letters</i> , 2024, 24, 12333-12342.   | 8.8  | 1         |
| 28 | Optimizing the reaction pathway of methane photo-oxidation over single copper sites. <i>Nature Communications</i> , 2024, 15, .  | 14.1 | 3         |
| 29 | Investigating a Seemingly Simple Imine-Linked Covalent Organic Framework Structure. <i>Journal of the American Chemical Society</i> , 2024, 146, 35504-35512.  | 15.7 | 0         |
| 30 | Synthesis of Single-Crystal Two-Dimensional Covalent Organic Frameworks and Uncovering Their Hidden Structural Features by Three-Dimensional Electron Diffraction. <i>Journal of the American Chemical Society</i> , 2024, 146, 35427-35437. | 15.7 | 1         |
| 31 | Ground-State Spin Dynamics in <i>1</i> Kagome-Lattice Titanium Fluorides. <i>Journal of the American Chemical Society</i> , 2023, 145, 207-215.  | 15.7 | 0         |
| 32 | Fluorido-bridged robust metal-organic frameworks for efficient C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> separation under moist conditions. <i>Chemical Science</i> , 2023, 14, 1472-1478.  | 7.5  | 11        |
| 33 | Leveraging Pd(100)/SnO <sub>2</sub> interfaces for highly efficient electrochemical formic acid oxidation. <i>Nanoscale</i> , 2023, 15, 2122-2133.   | 5.1  | 4         |
| 34 | Artificial carbon allotrope $\hat{1}^3$ -graphyne: Synthesis, properties, and applications. <i>Giant</i> , 2023, 13, 100140.   | 4.2  | 19        |
| 35 | Maximizing Active Fe Species in ZSM-5 Zeolite Using Organic-Template-Free Synthesis for Efficient Selective Methane Oxidation. <i>Journal of the American Chemical Society</i> , 2023, 145, 5888-5898.                                       | 15.7 | 41        |
| 36 | Adsorption-based capture of iodine and organic iodides: status and challenges. <i>Journal of Materials Chemistry A</i> , 2023, 11, 5460-5475.  | 9.3  | 109       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | <i>b</i> -Axis-Oriented ZSM-5 Nanosheets for Efficient Alkylation of Benzene with Methanol: Synergy of Acid Sites and Diffusion. <i>ACS Catalysis</i> , 2023, 13, 3794-3805.                            | 12.7 | 52        |
| 38 | Eliminating lattice defects in metal-organic framework molecular-sieving membranes. <i>Nature Materials</i> , 2023, 22, 769-776.  | 20.9 | 102       |
| 39 | Atomic-Scale Polarization and Strain at the Surface of Lead Halide Perovskite Nanocrystals. <i>Nano Letters</i> , 2023, 23, 6002-6009.  | 8.8  | 11        |
| 40 | Pressure dependence in aqueous-based electrochemical CO <sub>2</sub> reduction. <i>Nature Communications</i> , 2023, 14, .  | 14.1 | 45        |
| 41 | Germanium-enriched double-four-membered-ring units inducing zeolite-confined subnanometric Pt clusters for efficient propane dehydrogenation. <i>Nature Catalysis</i> , 2023, 6, 506-518.               | 27.4 | 71        |
| 42 | Construction of Crystalline Nitrene-Linked Covalent Organic Frameworks Via Kröhnke Oxidation. <i>Journal of the American Chemical Society</i> , 2023, 145, 15465-15472.                                 | 15.7 | 80        |
| 43 | Applications of Transmission Electron Microscopy in Phase Engineering of Nanomaterials. <i>Chemical Reviews</i> , 2023, 123, 10728-10749.   | 54.6 | 18        |
| 44 | Unit-cell-thick zeolitic imidazolate framework films for membrane application. <i>Nature Materials</i> , 2023, 22, 1387-1393.   | 20.9 | 41        |
| 45 | Towards the quantification of the chemical mechanism of light-driven water splitting on GaN photoelectrodes. <i>Chemical Communications</i> , 2023, 59, 10608-10611.                                    | 4.2  | 0         |
| 46 | Precise molecular sieving of ethylene from ethane using triptycene-derived submicroporous carbon membranes. <i>Nature Materials</i> , 2023, 22, 1218-1226.  | 20.9 | 31        |
| 47 | Anisotropic flexibility and rigidification in a TPE-based Zr-MOFs with scu topology. <i>Nature Communications</i> , 2023, 14, .   | 14.1 | 14        |
| 48 | Covalent Organic Framework with Multiple Redox Active Sites for High-Performance Aqueous Calcium Ion Batteries. <i>Journal of the American Chemical Society</i> , 2023, 145, 17309-17320.               | 15.7 | 53        |
| 49 | Solid-solvent processing of ultrathin, highly loaded mixed-matrix membrane for gas separation. <i>Science</i> , 2023, 381, 1350-1356.   | 38.2 | 108       |
| 50 | Highly Efficient and Stable Methane Dry Reforming Enabled by a Single-Site Cationic Ni Catalyst. <i>Journal of the American Chemical Society</i> , 2023, 145, 25109-25119.                              | 15.7 | 38        |
| 51 | Enhanced CO <sub>2</sub> Electroreduction Selectivity toward Ethylene on Pyrazolate-Stabilized Asymmetric Ni-Cu Hybrid Sites. <i>Journal of the American Chemical Society</i> , 2023, 145, 26444-26451. | 15.7 | 34        |
| 52 | Thermally Induced Persistent Covalent-Organic Frameworks Radicals. <i>ACS Nano</i> , 2023, 17, 23903-23912.   | 15.4 | 25        |
| 53 | State-of-the-art polymers of intrinsic microporosity for high-performance gas separation membranes. <i>Current Opinion in Chemical Engineering</i> , 2022, 35, 100755.                                  | 7.2  | 55        |
| 54 | Decadal acidification in a subtropical coastal area under chronic eutrophication. <i>Environmental Pollution</i> , 2022, 293, 118487.   | 7.8  | 14        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 55 | Perovskite-Nanosheet Sensitizer for Highly Efficient Organic X-ray Imaging Scintillator. ACS Energy Letters, 2022, 7, 10-16.  | 17.5 | 95        |
| 56 | Oriented Two-dimensional Covalent Organic Framework Membranes with High Ion Flux and Smart Gating Nanofluidic Transport. Angewandte Chemie - International Edition, 2022, 61, .   | 15.0 | 67        |
| 57 | Highly sensitive novel fluorescent chiral probe possessing (S)-2-methylproline structures for the determination of chiral amino compounds by ultra-performance liquid chromatography with fluorescence: An application in the saliva of healthy volunteer. Journal of Chromatography A, 2022, 1661, 462672. | 3.8  | 5         |
| 58 | Wafer-scale single-crystal monolayer graphene grown on sapphire substrate. Nature Materials, 2022, 21, 740-747.   | 20.9 | 132       |
| 59 | Analysis of the n-GaN electrochemical etching process and its mechanism in oxalic acid. RSC Advances, 2022, 12, 4648-4655.  | 4.5  | 14        |
| 60 | Two-in-One MOF Structure with Tunable Porosity for Enhanced Separation. ACS Central Science, 2022, 8, 150-152.  | 9.6  | 11        |
| 61 | The influence of melt status and beta-nucleation agent distribution on the crystallization of isotactic polypropylene. CrystEngComm, 2022, 24, 2429-2445.   | 2.5  | 6         |
| 62 | Free-standing homochiral 2D monolayers by exfoliation of molecular crystals. Nature, 2022, 602, 606-611.  | 40.1 | 91        |
| 63 | Carbon nanotube supported oriented metal organic framework membrane for effective ethylene/ethane separation. Science Advances, 2022, 8, .  | 11.3 | 66        |
| 64 | Cryogenic Focused Ion Beam Enables Atomic-Resolution Imaging of Local Structures in Highly Sensitive Bulk Crystals and Devices. Journal of the American Chemical Society, 2022, 144, 3182-3191.   | 15.7 | 36        |
| 65 | Poly(Anthraquinonyl Sulfide)/CNT Composites as High-rate Performance Cathodes for Nonaqueous Rechargeable Calcium-ion Batteries. Advanced Science, 2022, 9, .   | 12.8 | 26        |
| 66 | Single atom and defect engineering of CuO for efficient electrochemical reduction of CO <sub>2</sub> to C <sub>2</sub> H <sub>4</sub> . SmartMat, 2022, 3, 194-205.   | 13.7 | 46        |
| 67 | Chemically Stable Guanidinium Covalent Organic Framework for the Efficient Capture of Low-Concentration Iodine at High Temperatures. Journal of the American Chemical Society, 2022, 144, 6821-6829.  | 15.7 | 155       |
| 68 | Near-infrared-II photothermal ultra-small carbon dots promoting anticancer efficiency by enhancing tumor penetration. Journal of Colloid and Interface Science, 2022, 616, 595-604.   | 9.9  | 44        |
| 69 | Design of a fast ion-transport interlayer on cathode-electrolyte interface for solid-state lithium metal batteries. Energy Storage Materials, 2022, 48, 205-211.  | 18.0 | 16        |
| 70 | A Career in Catalysis: Jean-Marie M. Basset. ACS Catalysis, 2022, 12, 4961-4977.  | 12.7 | 4         |
| 71 | Low-Dose Electron Microscopy Imaging of Electron Beam-Sensitive Crystalline Materials. Accounts of Materials Research, 2022, 3, 552-564.  | 12.8 | 30        |
| 72 | Highly Potassiophilic Graphdiyne Skeletons Decorated with Cu Quantum Dots Enable Dendrite-free Potassium-metal Anodes. Advanced Materials, 2022, 34, .  | 24.7 | 41        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Pd speciation on black phosphorene in a CO and C <sub>2</sub> H <sub>4</sub> atmosphere: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14284-14293.  | 2.8  | 2         |
| 74 | Efficient and simultaneous capture of iodine and methyl iodide achieved by a covalent organic framework. <i>Nature Communications</i> , 2022, 13, .   | 14.1 | 195       |
| 75 | Three-dimensional stacked filter: A non-linear filter for series images obtained using a transmission electron microscope. <i>Ultramicroscopy</i> , 2022, 240, 113560.  | 2.3  | 4         |
| 76 | Ultrafine Sb nanoparticles <i>in situ</i> confined in covalent organic frameworks for high-performance sodium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15089-15100.  | 9.3  | 27        |
| 77 | Quantitative Evaluation of Carrier Dynamics in Full-Spectrum Responsive Metallic ZnIn <sub>2</sub> S <sub>4</sub> with Indium Vacancies for Boosting Photocatalytic CO <sub>2</sub> Reduction. <i>Nano Letters</i> , 2022, 22, 4970-4978. | 8.8  | 87        |
| 78 | Giant Osmotic Energy Conversion through Vertical-Aligned Ion-Permselective Nanochannels in Covalent Organic Framework Membranes. <i>Journal of the American Chemical Society</i> , 2022, 144, 12400-12409.                                | 15.7 | 110       |
| 79 | Sub-Nanometer Resolved Tip-Enhanced Raman Spectroscopy of a Single Molecule on the Si(111) Substrate. <i>Journal of Physical Chemistry C</i> , 2022, 126, 12121-12128.  | 3.2  | 12        |
| 80 | Unblocking Ion-occluded Pore Channels in Poly(triazine imide) Framework for Proton Conduction. <i>Angewandte Chemie</i> , 2022, 134, .  | 1.5  | 3         |
| 81 | Unblocking Ion-occluded Pore Channels in Poly(triazine imide) Framework for Proton Conduction. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .   | 15.0 | 14        |
| 82 | Fast water transport and molecular sieving through ultrathin ordered conjugated-polymer-framework membranes. <i>Nature Materials</i> , 2022, 21, 1183-1190.   | 20.9 | 72        |
| 83 | Structural evolution and strain generation of derived-Cu catalysts during CO <sub>2</sub> electroreduction. <i>Nature Communications</i> , 2022, 13, .  | 14.1 | 114       |
| 84 | Dehydrogenation of Propane and <i>n</i> -Butane Catalyzed by Isolated PtZn <sub>4</sub> Sites Supported on Self-Pillared Zeolite Pentasil Nanosheets. <i>ACS Catalysis</i> , 2022, 12, 11177-11189.                                       | 12.7 | 33        |
| 85 | Graphdiyne-Based Nanofilms for Compliant On-Skin Sensing. <i>ACS Nano</i> , 2022, 16, 16677-16689.  | 15.4 | 25        |
| 86 | Mn <sup>4+</sup> -Doped Fluoride Nanocrystals Enable High-Resolution Red-Emitting X-ray Imaging Screens. , 2022, 4, 2273-2281.  |      | 17        |
| 87 | Chemical and morphological characterization of the anodic oxidation of <i>n</i> -GaN in inorganic electrolytes. <i>New Journal of Chemistry</i> , 2022, 46, 23013-23018.  | 2.5  | 2         |
| 88 | A Two-Dimensional van der Waals Heterostructure with Isolated Electron-Deficient Cobalt Sites toward High-Efficiency CO <sub>2</sub> Electroreduction. <i>Journal of the American Chemical Society</i> , 2022, 144, 21502-21511.          | 15.7 | 44        |
| 89 | Three-dimensional open architecture enabling salt-rejection solar evaporators with boosted water production efficiency. <i>Nature Communications</i> , 2022, 13, .  | 14.1 | 81        |
| 90 | Supercrystal engineering of atomically precise gold nanoparticles promoted by surface dynamics. <i>Nature Chemistry</i> , 2022, 15, 230-239.  | 13.9 | 94        |



| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 109 | Highly Active Heterogeneous Catalyst for Ethylene Dimerization Prepared by Selectively Doping Ni on the Surface of a Zeolitic Imidazolate Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 7144-7153.                                | 15.7 | 61        |
| 110 | Molecular Scalpel to Chemically Cleave Metal-Organic Frameworks for Induced Phase Transition. <i>Journal of the American Chemical Society</i> , 2021, 143, 6681-6690.   | 15.7 | 128       |
| 111 | Nano-Confinement Effects on Structural Development and Organic Solvent-Induced Swelling of Ultrathin Carbon Molecular Sieve Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 21765-21774.   | 8.1  | 9         |
| 112 | A Roadmap to Sorption-Based Atmospheric Water Harvesting: From Molecular Sorption Mechanism to Sorbent Design and System Optimization. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6542-6560.   | 11.3 | 118       |
| 113 | A single-molecule van der Waals compass. <i>Nature</i> , 2021, 592, 541-544.  | 40.1 | 92        |
| 114 | Defect engineering of photocatalysts for solar-driven conversion of CO <sub>2</sub> into valuable fuels. <i>Materials Today</i> , 2021, 50, 358-384.  | 12.7 | 97        |
| 115 | La(OH) <sub>3</sub> nanorods with different sizes enhanced osteogenic differentiation on mice bone marrow mesenchymal stem cells. <i>Journal of Nanoparticle Research</i> , 2021, 23, .   | 2.5  | 2         |
| 116 | Tumor-Associated-Macrophage-Membrane-Coated Nanoparticles for Improved Photodynamic Immunotherapy. <i>Nano Letters</i> , 2021, 21, 5522-5531.   | 8.8  | 147       |
| 117 | Engineering the Coordination Sphere of Isolated Active Sites to Explore the Intrinsic Activity in Single-Atom Catalysts. <i>Nano-Micro Letters</i> , 2021, 13, .  | 30.1 | 184       |
| 118 | [Cu <sub>36</sub> H <sub>10</sub> (PET) <sub>24</sub> (PPh <sub>3</sub> ) <sub>6</sub> Cl <sub>2</sub> ] Reveals Surface Vacancy Defects in Ligand-Stabilized Metal Nanoclusters. <i>Journal of the American Chemical Society</i> , 2021, 143, 11026-11035. | 15.7 | 61        |
| 119 | Air-Resistant Lead Halide Perovskite Nanocrystals Embedded into Polyimide of Intrinsic Microporosity. <i>Energy Material Advances</i> , 2021, 2021, .   | 13.1 | 23        |
| 120 | Recent Progress on Polymers of Intrinsic Microporosity and Thermally Modified Analogue Materials for Membrane-Based Fluid Separations. <i>Small Structures</i> , 2021, 2, .   | 11.1 | 88        |
| 121 | Modifying Ionic Membranes with Carbon Dots Enables Direct Production of High-Purity Hydrogen through Water Electrolysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 39304-39310.   | 8.1  | 13        |
| 122 | Possible Misidentification of Heteroatom Species in Scanning Transmission Electron Microscopy Imaging of Zeolites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18952-18960.   | 3.2  | 8         |
| 123 | m-Phenylenediammonium as a New Spacer for Dion-Jacobson Two-Dimensional Perovskites. <i>Journal of the American Chemical Society</i> , 2021, 143, 12063-12073.  | 15.7 | 84        |
| 124 | Graphene Type Carbon Dots for Effective Surface Optimization for Near-Record Efficiency CsPb <sub>2</sub> Br Solar Cells. <i>Small</i> , 2021, 17, .  | 11.6 | 39        |
| 125 | A Special Additive Enables All Cations and Anions Passivation for Stable Perovskite Solar Cells with Efficiency over 23%. <i>Nano-Micro Letters</i> , 2021, 13, .   | 30.1 | 117       |
| 126 | The Complex Crystal Structure and Abundant Local Defects of Zeolite EMM-17 Unraveled by Combined Electron Crystallography and Microscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24227-24233.   | 15.0 | 11        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 127 | Bacteria-based nanosystems for enhanced antitumor therapy. <i>Science China Life Sciences</i> , 2021, , .   | 5.9  | 1         |
| 128 | Control of electronic conductivity and ionic conductivity of mixed electron-ion conductor and their effects on lithium plating. <i>Ionics</i> , 2021, 27, 5167-5177.  | 2.4  | 0         |
| 129 | Ionic Functionalization of Multivariate Covalent Organic Frameworks to Achieve an Exceptionally High Iodine-Capture Capacity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22432-22440.                                     | 15.0 | 219       |
| 130 | Ionic Functionalization of Multivariate Covalent Organic Frameworks to Achieve an Exceptionally High Iodine-Capture Capacity. <i>Angewandte Chemie</i> , 2021, 133, 22606-22614.  | 1.5  | 15        |
| 131 | Lithium-gel polymer electrolyte composite anode with large electrolyte-lithium interface for solid-state battery. <i>Electrochimica Acta</i> , 2021, 394, 139123.   | 5.4  | 6         |
| 132 | The formation and evolution of carbonate species in CO oxidation over mono-dispersed Fe on graphene. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10509-10517.  | 2.8  | 8         |
| 133 | Electrocatalytic CO <sub>2</sub> Reduction Activity Over Transition Metal Anchored on Nitrogen-Doped Carbon: A Density Functional Theory Investigation. <i>Catalysis Letters</i> , 2021, 151, 2547-2559.                                    | 2.0  | 3         |
| 134 | Electrochemical reduction of carbon dioxide with nearly 100% carbon monoxide faradaic efficiency from vacancy-stabilized single-atom active sites. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24955-24962.                          | 9.3  | 35        |
| 135 | Cyanamide Passivation Enables Robust Elemental Imaging of Metal Halide Perovskites at Atomic Resolution. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10402-10409.  | 4.6  | 16        |
| 136 | Efficient separation of xylene isomers by using a robust calcium-based metal-organic framework through a synergetic thermodynamically and kinetically controlled mechanism. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26202-26207. | 9.3  | 10        |
| 137 | Unraveling Passivation Mechanism of Imidazolium-Based Ionic Liquids on Inorganic Perovskite to Achieve Near-Record-Efficiency CsPbI <sub>2</sub> Br Solar Cells. <i>Nano-Micro Letters</i> , 2021, 14, .                                    | 30.1 | 79        |
| 138 | Effective surface passivation with 4-bromo-benzonitrile to enhance the performance of perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17089-17098.   | 5.1  | 7         |
| 139 | Propane Dehydrogenation Catalyzed by Isolated Pt Atoms in $\gamma$ -SiO <sub>2</sub> -OH Nests in Dealuminated Zeolite Beta. <i>Journal of the American Chemical Society</i> , 2021, 143, 21364-21378.                                      | 15.7 | 141       |
| 140 | Direct Imaging of Atomically Dispersed Molybdenum that Enables Location of Aluminum in the Framework of Zeolite ZSM-5. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 819-825.  | 15.0 | 134       |
| 141 | Direct Imaging of Atomically Dispersed Molybdenum that Enables Location of Aluminum in the Framework of Zeolite ZSM-5. <i>Angewandte Chemie</i> , 2020, 132, 829-835.   | 1.5  | 34        |
| 142 | Self-Assembly of Highly Stable Zirconium(IV) Coordination Cages with Aggregation Induced Emission Molecular Rotors for Live-Cell Imaging. <i>Angewandte Chemie</i> , 2020, 132, 10237-10245.  | 1.5  | 20        |
| 143 | Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , 2020, 13, 229-237.  | 30.6 | 90        |
| 144 | Full-color fluorescent carbon quantum dots. <i>Science Advances</i> , 2020, 6, .  | 11.3 | 449       |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 145 | Metal-organic framework-based nanocatalytic medicine for chemodynamic therapy. <i>Science China Materials</i> , 2020, 63, 2429-2434.   | 6.4  | 23        |
| 146 | Simultaneous generation of atmospheric water and electricity using a hygroscopic aerogel with fast sorption kinetics. <i>Nano Energy</i> , 2020, 78, 105326.   | 16.3 | 92        |
| 147 | A solar-electro-thermal evaporation system with high water-production based on a facile integrated evaporator. <i>Journal of Materials Chemistry A</i> , 2020, 8, 21771-21779.   | 9.3  | 30        |
| 148 | Anodic SnO <sub>2</sub> porous nanostructures with rich grain boundaries for efficient CO <sub>2</sub> electroreduction to formate. <i>RSC Advances</i> , 2020, 10, 22828-22835.   | 4.5  | 8         |
| 149 | Mixed-dimensional MXene-hydrogel heterostructures for electronic skin sensors with ultrabroad working range. <i>Science Advances</i> , 2020, 6, .  | 11.3 | 232       |
| 150 | Bulk and local structures of metal-organic frameworks unravelled by high-resolution electron microscopy. <i>Communications Chemistry</i> , 2020, 3, .  | 5.8  | 71        |
| 151 | Bortezomib-Encapsulated CuS/Carbon Dot Nanocomposites for Enhanced Photothermal Therapy via Stabilization of Polyubiquitinated Substrates in the Proteasomal Degradation Pathway. <i>ACS Nano</i> , 2020, 14, 10688-10703.   | 15.4 | 105       |
| 152 | Room-Temperature Valley Polarization in Atomically Thin Semiconductors <i>via</i> Chalcogenide Alloying. <i>ACS Nano</i> , 2020, 14, 9873-9883.  | 15.4 | 32        |
| 153 | Uniform High-k Amorphous Native Oxide Synthesized by Oxygen Plasma for Top-Gated Transistors. <i>Nano Letters</i> , 2020, 20, 7469-7475.   | 8.8  | 45        |
| 154 | Machine-Learning-Driven Synthesis of Carbon Dots with Enhanced Quantum Yields. <i>ACS Nano</i> , 2020, 14, 14761-14768.  | 15.4 | 179       |
| 155 | Interfacing with Carbonaceous Potassium Promoters Boosts Catalytic CO <sub>2</sub> Hydrogenation of Iron. <i>ACS Catalysis</i> , 2020, 10, 12098-12108.  | 12.7 | 133       |
| 156 | Numerical Investigation of Arc-Pool-Metal Vapor Behavior in GTAW with an External Magnetic Field. <i>Metals</i> , 2020, 10, 1199.  | 2.3  | 5         |
| 157 | Extension of Surface Organometallic Chemistry to Metal-Organic Frameworks: Development of a Well-Defined Single Site [(Zr <sup>IV</sup> O <sub>4</sub> )(CH <sub>2</sub> ) <sup>2</sup> sup]tBu <sub>3</sub> ] Olefin Metathesis Catalyst. <i>Journal of the American Chemical Society</i> , 2020, 142, 16690-16703. | 15.7 | 32        |
| 158 | Adsorption, diffusion and aggregation of Ir atoms on graphdiyne: a first-principles investigation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25841-25847.   | 2.8  | 8         |
| 159 | Facile synthesis of a mixed-conductive Li <sub>2</sub> S composites for all-solid-state lithium-sulfur batteries. <i>Ionics</i> , 2020, 26, 4257-4265.   | 2.4  | 10        |
| 160 | 3D Crumpled Ultrathin 1T MoS <sub>2</sub> for Inkjet Printing of Mg-Ion Asymmetric Micro-supercapacitors. <i>ACS Nano</i> , 2020, 14, 7308-7318.   | 15.4 | 117       |
| 161 | Splitting Mono- and Dibranchd Alkane Isomers by a Robust Aluminum-Based Metal-Organic Framework Material with Optimal Pore Dimensions. <i>Journal of the American Chemical Society</i> , 2020, 142, 6925-6929.   | 15.7 | 72        |
| 162 | Intramolecular Hydrogen Bonding-Based Topology Regulation of Two-Dimensional Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 13162-13169.  | 15.7 | 96        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 163 | Methanol-to-Olefin Conversion over Small-Pore DDR Zeolites: Tuning the Propylene Selectivity via the Olefin-Based Catalytic Cycle. ACS Catalysis, 2020, 10, 3009-3017.  | 12.7 | 13        |
| 164 | Controlled nâ€Doping in Airâ€Stable CsPbI <sub>2</sub> Br Perovskite Solar Cells with a Record Efficiency of 16.79%. Advanced Functional Materials, 2020, 30, .   | 17.1 | 312       |
| 165 | Chlorine Vacancy Passivation in Mixed Halide Perovskite Quantum Dots by Organic Pseudohalides Enables Efficient Rec. 2020 Blue Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 793-798.   | 17.5 | 254       |
| 166 | Investigating the Origin of Enhanced C <sub>2+</sub> Selectivity in Oxide-/Hydroxide-Derived Copper Electrodes during CO <sub>2</sub> Electroreduction. Journal of the American Chemical Society, 2020, 142, 4213-4222.   | 15.7 | 281       |
| 167 | Effect of conductor materials in lithium composite anode on plating and stripping of lithium. Ionics, 2020, 26, 3307-3314.  | 2.4  | 4         |
| 168 | Engineering effective structural defects of metalâ€organic frameworks to enhance their catalytic performances. Journal of Materials Chemistry A, 2020, 8, 4464-4472.  | 9.3  | 79        |
| 169 | Selective Acetylene Adsorption within an Imino-Functionalized Nanocage-Based Metalâ€Organic Framework. ACS Applied Materials & Interfaces, 2020, 12, 5999-6006.   | 8.1  | 36        |
| 170 | Bifunctional polymer-of-intrinsic-microporosity membrane for flexible Li/Naâ€H <sub>2</sub> O <sub>2</sub> batteries with hybrid electrolytes. Journal of Materials Chemistry A, 2020, 8, 3491-3498.  | 9.3  | 10        |
| 171 | Managing grains and interfaces via ligand anchoring enables 22.3%-efficiency inverted perovskite solar cells. Nature Energy, 2020, 5, 131-140.  | 26.7 | 1,013     |
| 172 | Superior Catalytic Performance of Atomically Dispersed Palladium on Graphene in CO Oxidation. ACS Catalysis, 2020, 10, 3084-3093.   | 12.7 | 49        |
| 173 | Atomicâ€Resolution Imaging of Halide Perovskites Using Electron Microscopy. Advanced Energy Materials, 2020, 10, .  | 22.7 | 64        |
| 174 | Theoretical Study on Cobalt Ferrite CoFe <sub>3</sub> nO <sub>4</sub> (n=1â€2) Nanoparticles with Multi-enzyme Activities. Catalysis Surveys From Asia, 2020, 24, 166-177.  | 1.7  | 6         |
| 175 | Metal-Based Nanocatalyst for Combined Cancer Therapeutics. Bioconjugate Chemistry, 2020, 31, 1247-1258.   | 3.9  | 45        |
| 176 | [Cu <sub>81</sub> (PhS) <sub>46</sub> ( <sup>i</sup> BuNH <sub>2</sub> ) <sub>10</sub> (H) <sub>32</sub> ] <sup>3+</sup> Reveals the Coexistence of Large Planar Cores and Hemispherical Shells in High-Nuclearity Copper Nanoclusters. Journal of the American Chemical Society, 2020, 142, 8696-8705. | 15.7 | 102       |
| 177 | Precursor Engineering for Ambientâ€Compatible Antisolventâ€Free Fabrication of Highâ€Efficiency CsPbI <sub>2</sub> Br Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, .  | 22.7 | 119       |
| 178 | DFT Comparison the Performance of Pd <sub>10</sub> Sn <sub>5</sub> and Pd <sub>10</sub> Ag <sub>5</sub> Electrocatalyst for Reduction of CO <sub>2</sub> . Applied Organometallic Chemistry, 2020, 34, .  | 3.8  | 3         |
| 179 | Li <sub>2</sub> Sâ€Li <sub>3</sub> PS <sub>4</sub> (LPS) Composite Synthesized by Liquidâ€Phase Shaking for Allâ€Solidâ€State Lithiumâ€Sulfur Batteries with High Performance. Energy Technology, 2020, 8, .  | 3.4  | 17        |
| 180 | Ultrasmall gold nanoparticles in cancer diagnosis and therapy. Theranostics, 2020, 10, 4944-4957.   | 11.4 | 203       |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 181 | Gas-sieving zeolitic membranes fabricated by condensation of precursor nanosheets. <i>Nature Materials</i> , 2020, 20, 362-369.   | 20.9 | 95        |
| 182 | Cryo Focused Ion Beam Applications in High Resolution Electron Microscopy Studies of Beam Sensitive Crystals. <i>Microscopy and Microanalysis</i> , 2019, 25, 1402-1403.  | 0.5  | 3         |
| 183 | Direct Imaging of Tunable Crystal Surface Structures of MOF MIL-101 Using High-Resolution Electron Microscopy. <i>Journal of the American Chemical Society</i> , 2019, 141, 12021-12028.  | 15.7 | 113       |
| 184 | Rational enhancement of enzyme-catalyzed enantioselective reaction by construction of recombinant enzymes based on additive strategy. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1739-1746.   | 3.5  | 4         |
| 185 | A High Mobility Conjugated Polymer Enables Air and Thermally Stable CsPb <sub>2</sub> Br Perovskite Solar Cells with an Efficiency Exceeding 15%. <i>Advanced Materials Technologies</i> , 2019, 4, .   | 6.1  | 60        |
| 186 | Bone-Targeted Nanoplatfom Combining Zoledronate and Photothermal Therapy To Treat Breast Cancer Bone Metastasis. <i>ACS Nano</i> , 2019, 13, 7556-7567.   | 15.4 | 149       |
| 187 | Direct, Selective Production of Aromatic Alcohols from Ethanol Using a Tailored Bifunctional Cobalt Hydroxyapatite Catalyst. <i>ACS Catalysis</i> , 2019, 9, 7204-7216.   | 12.7 | 57        |
| 188 | Emergence of multiple fluorophores in individual cesium lead bromide nanocrystals. <i>Nature Communications</i> , 2019, 10, .   | 14.1 | 46        |
| 189 | Simultaneous Cesium and Acetate Coalloying Improves Efficiency and Stability of FA <sub>0.85</sub> MA <sub>0.15</sub> Pb <sub>3</sub> Perovskite Solar Cell with an Efficiency of 21.95%. <i>Solar Rrl</i> , 2019, 3, .   | 4.7  | 77        |
| 190 | Europium and Acetate Co-doping Strategy for Developing Stable and Efficient CsPb <sub>2</sub> Br Perovskite Solar Cells. <i>Small</i> , 2019, 15, .   | 11.6 | 100       |
| 191 | Evaluation of chiral separation efficiency of a novel OTPHE derivatization reagent: Applications to liquid chromatographic determination of DL-serine in human plasma. <i>Chirality</i> , 2019, 31, 1043-1052.  | 3.4  | 8         |
| 192 | Advancing Atomic-Resolution TEM of Electron Beam-Sensitive Crystalline Materials from "Impossible" to "Routine". <i>Microscopy and Microanalysis</i> , 2019, 25, 1676-1677.   | 0.5  | 0         |
| 193 | A Novel Anion Doping for Stable CsPb <sub>2</sub> Br Perovskite Solar Cells with an Efficiency of 15.56% and an Open Circuit Voltage of 1.30 V. <i>Advanced Energy Materials</i> , 2019, 9, .   | 22.7 | 181       |
| 194 | Electrochemical Conversion of CO <sub>2</sub> to 2-Bromoethanol in a Membraneless Cell. <i>ACS Energy Letters</i> , 2019, 4, 600-605.   | 17.5 | 28        |
| 195 | Hollow capsules of doped carbon incorporating metal@metal sulfide and metal@metal oxide core-shell nanoparticles derived from metal-organic framework composites for efficient oxygen electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3624-3631. | 9.3  | 58        |
| 196 | Photoinduced synthesis of Bi <sub>2</sub> O <sub>3</sub> nanotubes based on oriented attachment. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1424-1428.  | 9.3  | 12        |
| 197 | Gate tunable giant anisotropic resistance in ultra-thin GaTe. <i>Nature Communications</i> , 2019, 10, .  | 14.1 | 92        |
| 198 | Two-dimensional semiconducting covalent organic frameworks via condensation at arylmethyl carbon atoms. <i>Nature Communications</i> , 2019, 10, .  | 14.1 | 488       |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 199 | Imaging defects and their evolution in a metal-organic framework at sub-unit-cell resolution. <i>Nature Chemistry</i> , 2019, 11, 622-628.   | 13.9 | 427       |
| 200 | Towards super-clean graphene. <i>Nature Communications</i> , 2019, 10, .   | 14.1 | 161       |
| 201 | Novel Surface Passivation for Stable FA <sub>0.85</sub> MA <sub>0.15</sub> Pb <sub>3</sub> Perovskite Solar Cells with 21.6% Efficiency. <i>Solar Rrl</i> , 2019, 3, .   | 4.7  | 69        |
| 202 | Light-Induced Self-Assembly of Cubic CsPbBr <sub>3</sub> Perovskite Nanocrystals into Nanowires. <i>Chemistry of Materials</i> , 2019, 31, 6642-6649.  | 6.9  | 139       |
| 203 | On demand synthesis of hollow fullerene nanostructures. <i>Nature Communications</i> , 2019, 10, .   | 14.1 | 58        |
| 204 | Metal Halide Perovskite Nanosheet for X-ray High-Resolution Scintillation Imaging Screens. <i>ACS Nano</i> , 2019, 13, 2520-2525.  | 15.4 | 395       |
| 205 | Rational Design of Oxygen-Enriched Carbon Dots with Efficient Room-Temperature Phosphorescent Properties and High-Tech Security Protection Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19918-19924.   | 7.0  | 52        |
| 206 | Hierarchical Nanospheres Constructed by Ultrathin MoS <sub>2</sub> Nanosheets Braced on Nitrogen-Doped Carbon Polyhedra for Efficient Lithium and Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2112-2119.   | 8.1  | 88        |
| 207 | Novel synergistic coupling composite chelating copolymer/LAGP solid electrolyte with optimized interface for dendrite-free solid Li-metal battery. <i>Electrochimica Acta</i> , 2019, 296, 693-700.  | 5.4  | 21        |
| 208 | Oxygen-Assisted Cathodic Deposition of Zeolitic Imidazolate Frameworks with Controlled Thickness. <i>Angewandte Chemie</i> , 2019, 131, 1135-1140.   | 1.5  | 4         |
| 209 | Direct Imaging of Isolated Single-Molecule Magnets in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2997-3005.  | 15.7 | 79        |
| 210 | A Comparative Study on C <sub>2</sub> Hydrocarbons and Methanol Synthesis from CO Hydrogenation Catalyzed by M <sub>1</sub> /W <sub>6</sub> S <sub>8</sub> (M = Ir and Ca) Single-Atom Catalysts. <i>Catalysis Letters</i> , 2019, 150, 1515-1526.   | 2.0  | 3         |
| 211 | In situ generated Li <sub>2</sub> S-LPS composite for all-solid-state lithium-sulfur battery. <i>Ionics</i> , 2019, 26, 2335-2342.   | 2.4  | 14        |
| 212 | Microscopy of Nanoporous Crystals. <i>Springer Handbooks</i> , 2019, , 1391-1450.  | 0.0  | 6         |
| 213 | Flame Retardant and Stable Li <sub>1.5</sub> Al <sub>0.5</sub> Ge <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> -Supported Ionic Liquid Gel Polymer Electrolytes for High Safety Rechargeable Solid-State Lithium Metal Batteries. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10334-10342. | 3.2  | 72        |
| 214 | Single-site catalyst promoters accelerate metal-catalyzed nitroarene hydrogenation. <i>Nature Communications</i> , 2018, 9, .  | 14.1 | 181       |
| 215 | Preparation and characterization of nanocomposite ionic liquid-based gel polymer electrolyte for safe applications in solid-state lithium battery. <i>Solid State Ionics</i> , 2018, 321, 48-54.   | 3.1  | 36        |
| 216 | Intracellular glutathione-depleting polymeric micelles for cisplatin prodrug delivery to overcome cisplatin resistance of cancers. <i>Journal of Controlled Release</i> , 2018, 273, 30-39.  | 11.3 | 84        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 217 | Creating Hierarchical Pores by Controlled Linker Thermolysis in Multivariate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 2363-2372.   | 15.7 | 337       |
| 218 | Functional Two-Dimensional Coordination Polymeric Layer as a Charge Barrier in Li-S Batteries. <i>ACS Nano</i> , 2018, 12, 836-843.  | 15.4 | 81        |
| 219 | Topologically guided tuning of Zr-MOF pore structures for highly selective separation of C6 alkane isomers. <i>Nature Communications</i> , 2018, 9, .  | 14.1 | 283       |
| 220 | One-of-a-kind: a microporous metal-organic framework capable of adsorptive separation of linear, mono- and di-branched alkane isomers via temperature- and adsorbate-dependent molecular sieving. <i>Energy and Environmental Science</i> , 2018, 11, 1226-1231. | 30.6 | 115       |
| 221 | Enhancement of TCE removal by a static magnetic field in a fungal biotrickling filter. <i>Bioresource Technology</i> , 2018, 259, 365-372.   | 10.0 | 34        |
| 222 | Effective Acetylene/Ethylene Separation at Ambient Conditions by a Pigment-Based Covalent-Triazine Framework. <i>Macromolecular Rapid Communications</i> , 2018, 39, .   | 4.2  | 52        |
| 223 | Ultra-selective defect-free interfacially polymerized molecular sieve thin-film composite membranes for H <sub>2</sub> purification. <i>Journal of Materials Chemistry A</i> , 2018, 6, 30-35.   | 9.3  | 84        |
| 224 | Polymers of intrinsic microporosity for energy-intensive membrane-based gas separations. <i>Materials Today Nano</i> , 2018, 3, 69-95.   | 5.2  | 257       |
| 225 | Pristine and Carboxyl-Functionalized Tetraphenylethylene-Based Ladder Networks for Gas Separation and Volatile Organic Vapor Adsorption. <i>ACS Omega</i> , 2018, 3, 15966-15974.  | 4.4  | 15        |
| 226 | Enhanced Separation of Butane Isomers via Defect Control in a Fumarate/Zirconium-Based Metal Organic Framework. <i>Langmuir</i> , 2018, 34, 14546-14551.   | 3.8  | 56        |
| 227 | Absorptive Hydrogen Scavenging for Enhanced Aromatics Yield During Non-oxidative Methane Dehydroaromatization on Mo/H-ZSM-5 Catalysts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15577-15582.   | 15.0 | 23        |
| 228 | Absorptive Hydrogen Scavenging for Enhanced Aromatics Yield During Non-oxidative Methane Dehydroaromatization on Mo/H-ZSM-5 Catalysts. <i>Angewandte Chemie</i> , 2018, 130, 15803-15808.  | 1.5  | 10        |
| 229 | Fine Tuning the Diffusion Length in Hierarchical ZSM-5 To Maximize the Yield of Propylene in Catalytic Cracking of Hydrocarbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15832-15840.  | 7.0  | 42        |
| 230 | Confined Lithium-Sulfur Reactions in Narrow-Diameter Carbon Nanotubes Reveal Enhanced Electrochemical Reactivity. <i>ACS Nano</i> , 2018, 12, 9775-9784.   | 15.4 | 70        |
| 231 | Efficient electrochemical transformation of CO <sub>2</sub> to C <sub>2</sub> /C <sub>3</sub> chemicals on benzimidazole-functionalized copper surfaces. <i>Chemical Communications</i> , 2018, 54, 11324-11327.   | 4.2  | 47        |
| 232 | Point Defects and Green Emission in Zero-Dimensional Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5490-5495.   | 4.6  | 153       |
| 233 | Thermo and electrochemical-stable composite gel polymer electrolytes derived from core-shell silica nanoparticles and ionic liquid for rechargeable lithium metal batteries. <i>Electrochimica Acta</i> , 2018, 288, 101-107.                                    | 5.4  | 30        |
| 234 | Copper-Catalyzed Dehydrogenative Diels-Alder Reaction. <i>Organic Letters</i> , 2018, 20, 3215-3219.   | 5.1  | 28        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 235 | Facile synthesis of Pd@Ru nanoplates with controlled thickness as efficient catalysts for hydrogen evolution reaction. <i>CrystEngComm</i> , 2018, 20, 4230-4236.  | 2.5  | 21        |
| 236 | Highly Compatible Hydroxyl-Functionalized Microporous Polyimide-ZIF-8 Mixed Matrix Membranes for Energy Efficient Propylene/Propane Separation. <i>ACS Applied Nano Materials</i> , 2018, 1, 3541-3547.  | 5.4  | 101       |
| 237 | Fluctuation-induced tunneling conduction in iodine-doped bilayer graphene. <i>Journal of Applied Physics</i> , 2018, 123, .  | 2.3  | 3         |
| 238 | Magnetic MOF for AO7 Removal and Targeted Delivery. <i>Crystals</i> , 2018, 8, 250.  | 2.3  | 32        |
| 239 | Dual-template engineering of triple-layered nanoarray electrode of metal chalcogenides sandwiched with hydrogen-substituted graphdiyne. <i>Nature Communications</i> , 2018, 9, .  | 14.1 | 94        |
| 240 | Construction of Amorphous FePO <sub>4</sub> Nanosheets with Enhanced Sodium Storage Properties. <i>ACS Applied Energy Materials</i> , 2018, 1, 4395-4402.  | 5.4  | 30        |
| 241 | Hypoxia-responsive block copolymer radiosensitizers as anticancer drug nanocarriers for enhanced chemoradiotherapy of bulky solid tumors. <i>Biomaterials</i> , 2018, 181, 360-371.  | 12.3 | 60        |
| 242 | Ultrathin graphdiyne film on graphene through solution-phase van der Waals epitaxy. <i>Science Advances</i> , 2018, 4, .   | 11.3 | 224       |
| 243 | Sinter-resistant metal nanoparticle catalysts achieved by immobilization within zeolite crystals via seed-directed growth. <i>Nature Catalysis</i> , 2018, 1, 540-546.   | 27.4 | 338       |
| 244 | Morphological Map of ZIF-8 Crystals with Five Distinctive Shapes: Feature of Filler in Mixed-Matrix Membranes on C <sub>3</sub> H <sub>6</sub> /C <sub>3</sub> H <sub>8</sub> Separation. <i>Chemistry of Materials</i> , 2018, 30, 3467-3473. | 6.9  | 112       |
| 245 | Rationally Designed Efficient Dual-Mode Colorimetric/Fluorescence Sensor Based on Carbon Dots for Detection of pH and Cu <sup>2+</sup> Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12668-12674.                          | 7.0  | 110       |
| 246 | Converting Hierarchical to Bulk Structure: A Strategy for Encapsulating Metal Oxides and Noble Metals in Zeolites. <i>Chemistry of Materials</i> , 2018, 30, 6361-6369.  | 6.9  | 42        |
| 247 | Observation of superconductivity in structure-selected Ti <sub>2</sub> O <sub>3</sub> thin films. <i>NPG Asia Materials</i> , 2018, 10, 522-532.   | 7.8  | 46        |
| 248 | Oxygen-independent combined photothermal/photodynamic therapy delivered by tumor acidity-responsive polymeric micelles. <i>Journal of Controlled Release</i> , 2018, 284, 15-25.   | 11.3 | 65        |
| 249 | Tailoring the Edge Sites of 2D Pd Nanostructures with Different Fractal Dimensions for Enhanced Electrocatalytic Performance. <i>Advanced Science</i> , 2018, 5, .   | 12.8 | 38        |
| 250 | High-Performance Large-Scale Solar Steam Generation with Nanolayers of Reusable Biomimetic Nanoparticles. <i>Advanced Sustainable Systems</i> , 2017, 1, .   | 5.9  | 157       |
| 251 | Enhanced high-order ultraviolet upconversion luminescence in sub-20 nm $\text{F}^{2+}\text{-NaYbF}_4\text{:0.5\%Tm}$ nanoparticles via Fe <sup>3+</sup> doping. <i>CrystEngComm</i> , 2017, 19, 1304-1310.                                     | 2.5  | 45        |
| 252 | Unravelling surface and interfacial structures of a metal-organic framework by transmission electron microscopy. <i>Nature Materials</i> , 2017, 16, 532-536.  | 20.9 | 337       |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 253 | Recent progress in the direct synthesis of hierarchical zeolites: synthetic strategies and characterization methods. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2195-2212.   | 6.2  | 48        |
| 254 | Graphene-Au nanoparticle based vertical heterostructures: A novel route towards high-ZT Thermoelectric devices. <i>Nano Energy</i> , 2017, 38, 385-391.   | 16.3 | 27        |
| 255 | Fe atoms trapped on graphene as a potential efficient catalyst for room-temperature complete oxidation of formaldehyde: a first-principles investigation. <i>Catalysis Science and Technology</i> , 2017, 7, 2012-2021. | 4.0  | 13        |
| 256 | Microporous cokes formed in zeolite catalysts enable efficient solar evaporation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6860-6865.   | 9.3  | 56        |
| 257 | Simultaneously achieve soluble expression and biomimetic immobilization of <i>Candida antarctica</i> lipase B by introducing polyamine tags. <i>Journal of Biotechnology</i> , 2017, 249, 1-9.                          | 4.0  | 19        |
| 258 | A mechanistic basis for the effect of aluminum content on ethene selectivity in methanol-to-hydrocarbons conversion on HZSM-5. <i>Journal of Catalysis</i> , 2017, 348, 300-305.  | 6.5  | 70        |
| 259 | Synthesis of single-crystal-like nanoporous carbon membranes and their application in overall water splitting. <i>Nature Communications</i> , 2017, 8, .  | 14.1 | 148       |
| 260 | Size-controlled synthesis of Au nanorings on Pd ultrathin nanoplates as efficient catalysts for hydrogenation. <i>CrystEngComm</i> , 2017, 19, 6588-6593.   | 2.5  | 4         |
| 261 | Out-of-Plane Piezoelectricity and Ferroelectricity in Layered $\text{In}_2\text{Se}_3$ Nanoflakes. <i>Nano Letters</i> , 2017, 17, 5508-5513.   | 8.8  | 680       |
| 262 | Metal-Organic Framework-Based Separators for Enhancing Li-S Battery Stability: Mechanism of Mitigating Polysulfide Diffusion. <i>ACS Energy Letters</i> , 2017, 2, 2362-2367.   | 17.5 | 247       |
| 263 | Capture of organic iodides from nuclear waste by metal-organic framework-based molecular traps. <i>Nature Communications</i> , 2017, 8, .   | 14.1 | 198       |
| 264 | Core-shell and alloy integrating PdAu bimetallic nanoplates on reduced graphene oxide for efficient and stable hydrogen evolution catalysts. <i>RSC Advances</i> , 2017, 7, 43373-43379.                                | 4.5  | 9         |
| 265 | Thermally stable single atom Pt/m-Al <sub>2</sub> O <sub>3</sub> for selective hydrogenation and CO oxidation. <i>Nature Communications</i> , 2017, 8, .  | 14.1 | 600       |
| 266 | Inside Perovskites: Quantum Luminescence from Bulk $\text{Cs}_4\text{PbBr}_6$ Single Crystals. <i>Chemistry of Materials</i> , 2017, 29, 7108-7113.   | 6.9  | 211       |
| 267 | New Class of LAGP-Based Solid Polymer Composite Electrolyte for Efficient and Safe Solid-State Lithium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41837-41844.                                 | 8.1  | 115       |
| 268 | Functionalized metal organic frameworks for effective capture of radioactive organic iodides. <i>Faraday Discussions</i> , 2017, 201, 47-61.  | 2.7  | 39        |
| 269 | Epitaxial growth of unusual 4H hexagonal Ir, Rh, Os, Ru and Cu nanostructures on 4H Au nanoribbons. <i>Chemical Science</i> , 2017, 8, 795-799.   | 7.5  | 89        |
| 270 | Spatial Propagation Characteristics of 28 GHz Frequency Band in UMi Scenario. , 2017, 2016, 1-6.  |      | 1         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 271 | Design of ionic liquid-based hybrid electrolytes with additive for lithium insertion in graphite effectively and their effects on interfacial properties. <i>Ionics</i> , 2017, 24, 2601-2609.                           | 2.4  | 5         |
| 272 | Probing the electronic states and impurity effects in black phosphorus vertical heterostructures. <i>2D Materials</i> , 2016, 3, 015012.   | 4.2  | 21        |
| 273 | Modular Design and Facile Synthesis of Enzyme-Responsive Peptide-Linked Block Copolymers for Efficient Delivery of Doxorubicin. <i>Biomacromolecules</i> , 2016, 17, 3268-3276.  | 5.4  | 54        |
| 274 | Bone-Targeted Mesoporous Silica Nanocarrier Anchored by Zoledronate for Cancer Bone Metastasis. <i>Langmuir</i> , 2016, 32, 9237-9244.   | 3.8  | 58        |
| 275 | Safer lithium metal battery based on advanced ionic liquid gel polymer nonflammable electrolytes. <i>RSC Advances</i> , 2016, 6, 101638-101644.  | 4.5  | 24        |
| 276 | Multicolour synthesis in lanthanide-doped nanocrystals through cation exchange in water. <i>Nature Communications</i> , 2016, 7, .   | 14.1 | 176       |
| 277 | Unravelling Thiolâ€™s Role in Directing Asymmetric Growth of Au Nanorodâ€™Au Nanoparticle Dimers. <i>Nano Letters</i> , 2016, 16, 617-623.   | 8.8  | 63        |
| 278 | Controlled growth of high-density CdS and CdSe nanorod arrays on selective facets of two-dimensional semiconductor nanoplates. <i>Nature Chemistry</i> , 2016, 8, 470-475.   | 13.9 | 182       |
| 279 | Defect stabilized gold atoms on graphene as potential catalysts for ethylene epoxidation: a first-principles investigation. <i>Catalysis Science and Technology</i> , 2016, 6, 1632-1641.                                | 4.0  | 42        |
| 280 | A fast transfer-free synthesis of high-quality monolayer graphene on insulating substrates by a simple rapid thermal treatment. <i>Nanoscale</i> , 2016, 8, 2594-2600.   | 5.1  | 22        |
| 281 | Detection of interlayer interaction in few-layer graphene. <i>Physical Review B</i> , 2015, 92, .  | 3.2  | 24        |
| 282 | Endogenous Stimuliâ€™Sensitive Multistage Polymeric Micelleplex Anticancer Drug Delivery System for Efficient Tumor Penetration and Cellular Internalization. <i>Advanced Healthcare Materials</i> , 2015, 4, 2206-2219. | 8.9  | 55        |
| 283 | Rugae-like FeP nanocrystal assembly on a carbon cloth: an exceptionally efficient and stable cathode for hydrogen evolution. <i>Nanoscale</i> , 2015, 7, 10974-10981.  | 5.1  | 132       |
| 284 | Rational design of Au nanorods assemblies for highly sensitive and selective SERS detection of prostate specific antigen. <i>RSC Advances</i> , 2015, 5, 38354-38360.  | 4.5  | 21        |
| 285 | Diverse Near-Infrared Resonant Gold Nanostructures for Biomedical Applications. <i>ACS Symposium Series</i> , 2015, , 213-243.   | 0.0  | 1         |
| 286 | A Rodâ€™Packing Microporous Hydrogenâ€™Bonded Organic Framework for Highly Selective Separation of C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> at Room Temperature. <i>Angewandte Chemie</i> , 2015, 127, 584-587.    | 1.5  | 117       |
| 287 | Design, synthesis, and antiviral activity of novel rutin derivatives containing 1, 4-pentadien-3-one moiety. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 732-737.   | 5.5  | 42        |
| 288 | Probing the electron states and metal-insulator transition mechanisms in molybdenum disulphide vertical heterostructures. <i>Nature Communications</i> , 2015, 6, .  | 14.1 | 188       |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 289 | Two-dimensional gold nanostructures with high activity for selective oxidation of carbon-hydrogen bonds. <i>Nature Communications</i> , 2015, 6, .  | 14.1 | 146       |
| 290 | Microporous carbonaceous adsorbents for CO <sub>2</sub> separation via selective adsorption. <i>RSC Advances</i> , 2015, 5, 30310-30330.  | 4.5  | 120       |
| 291 | Synthesis of Ultrathin Face-Centered-Cubic Au@Pt and Au@Pd Core-Shell Nanoplates from Hexagonal-Close-Packed Au Square Sheets. <i>Angewandte Chemie</i> , 2015, 127, 5764-5768.   | 1.5  | 29        |
| 292 | Self-powered seawater desalination and electrolysis using flowing kinetic energy. <i>Nano Energy</i> , 2015, 15, 266-274.   | 16.8 | 54        |
| 293 | NOD2 pathway via RIPK2 and TBK1 is involved in the aberrant catabolism induced by T-2 toxin in chondrocytes. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 1575-1585.   | 1.7  | 17        |
| 294 | van der Waals Epitaxial Growth of Atomically Thin Bi <sub>2</sub> Se <sub>3</sub> and Thickness-Dependent Topological Phase Transition. <i>Nano Letters</i> , 2015, 15, 2645-2651.  | 8.8  | 60        |
| 295 | High-quality sandwiched black phosphorus heterostructure and its quantum oscillations. <i>Nature Communications</i> , 2015, 6, .  | 14.1 | 452       |
| 296 | Monodisperse Pt atoms anchored on N-doped graphene as efficient catalysts for CO oxidation: a first-principles investigation. <i>Catalysis Science and Technology</i> , 2015, 5, 1658-1667.                                 | 4.0  | 82        |
| 297 | Harnessing structural darkness in the visible and infrared wavelengths for a new source of light. <i>Nature Nanotechnology</i> , 2015, 11, 60-66.   | 23.9 | 130       |
| 298 | Side-gate modulation effects on high-quality BN-Graphene-BN nanoribbon capacitors. <i>Applied Physics Letters</i> , 2014, 105, .  | 3.2  | 7         |
| 299 | Mycorrhizal-induced calmodulin mediated changes in antioxidant enzymes and growth response of drought-stressed trifoliate orange. <i>Frontiers in Microbiology</i> , 2014, 5, .   | 3.9  | 62        |
| 300 | Detection of resonant impurities in graphene by quantum capacitance measurement. <i>Physical Review B</i> , 2014, 89, .   | 3.2  | 18        |
| 301 | Hydrogen evolution by a metal-free electrocatalyst. <i>Nature Communications</i> , 2014, 5, .   | 14.1 | 1,948     |
| 302 | Structural Diversity in Ordered Mesoporous Silica Materials. , 2014, , 1-34.  |      | 2         |
| 303 | The first example of commensurate adsorption of atomic gas in a MOF and effective separation of xenon from other noble gases. <i>Chemical Science</i> , 2014, 5, 620-624.   | 7.5  | 212       |
| 304 | Lithiation-Induced Shuffling of Atomic Stacks. <i>Nano Letters</i> , 2014, 14, 5301-5307.   | 8.8  | 18        |
| 305 | Rho kinase inhibition by fasudil suppresses lipopolysaccharide-induced apoptosis of rat pulmonary microvascular endothelial cells via JNK and p38 MAPK pathway. <i>Biomedicine and Pharmacotherapy</i> , 2014, 68, 267-275. | 6.7  | 27        |
| 306 | Redox-responsive core cross-linked micelles based on cypate and cisplatin prodrugs-conjugated block copolymers for synergistic photothermal-chemotherapy of cancer. <i>Polymer Chemistry</i> , 2014, 5, 3707-3718.          | 3.9  | 63        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 307 | Carbon molecular sieve gas separation membranes based on an intrinsically microporous polyimide precursor. <i>Carbon</i> , 2013, 62, 88-96.  | 10.4 | 150       |
| 308 | Defective Graphene Supported MPd <sub>12</sub> (M = Fe, Co, Ni, Cu, Zn, Pd) Nanoparticles as Potential Oxygen Reduction Electrocatalysts: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1350-1357. | 3.2  | 86        |
| 309 | Electron-electron interactions in monolayer graphene quantum capacitors. <i>Nano Research</i> , 2013, 6, 619-626.  | 8.5  | 17        |
| 310 | A perfluorinated covalent triazine-based framework for highly selective and water-tolerant CO <sub>2</sub> capture. <i>Energy and Environmental Science</i> , 2013, 6, 3684.   | 30.6 | 446       |
| 311 | Density of States and Its Local Fluctuations Determined by Capacitance of Strongly Disordered Graphene. <i>Scientific Reports</i> , 2013, 3, .   | 3.7  | 19        |
| 312 | Ordered mesoporous silica materials with complicated structures. <i>Current Opinion in Chemical Engineering</i> , 2012, 1, 129-137.  | 7.2  | 28        |
| 313 | Unique reactivity of Fe nanoparticles-defective graphene composites toward NH <sub>x</sub> (x = 0, 1, 2, 3) adsorption: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15036.                    | 2.8  | 27        |
| 314 | Atomic Resolution Imaging of Nanoscale Structural Ordering in a Complex Metal Oxide Catalyst. <i>Chemistry of Materials</i> , 2012, 24, 3269-3278.   | 6.9  | 9         |
| 315 | Substrate-mediated enhanced activity of Ru nanoparticles in catalytic hydrogenation of benzene. <i>Nanoscale</i> , 2012, 4, 2288.  | 5.1  | 44        |
| 316 | Palladium Nanoparticles/Defective Graphene Composites as Oxygen Reduction Electrocatalysts: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2710-2719.   | 3.2  | 91        |
| 317 | Intergrown New Zeolite Beta Polymorphs with Interconnected 12-Ring Channels Solved by Combining Electron Crystallography and Single-Crystal X-ray Diffraction. <i>Chemistry of Materials</i> , 2012, 24, 3701-3706.                | 6.9  | 39        |
| 318 | Enhanced Binding Affinity, Remarkable Selectivity, and High Capacity of CO <sub>2</sub> by Dual Functionalization of a <i>type Metal-Organic Framework</i> . <i>Angewandte Chemie</i> , 2012, 124, 1441-1444.                      | 1.5  | 39        |
| 319 | Direct Observation of Surface Reconstruction and Termination on a Complex Metal Oxide Catalyst by Electron Microscopy. <i>Angewandte Chemie</i> , 2012, 124, 4252-4256.  | 1.5  | 2         |
| 320 | Site-specific growth of Au particles on ZnO nanopyramids under ultraviolet illumination. <i>Nanoscale</i> , 2011, 3, 4195.   | 5.1  | 60        |
| 321 | Structure study of the tri-continuous mesoporous silica IBN-9 by electron crystallography. <i>Microporous and Mesoporous Materials</i> , 2011, 146, 88-96.   | 4.7  | 10        |
| 322 | Functionalization of silicon nanowire surfaces with metal-organic frameworks. <i>Nano Research</i> , 2011, 5, 109-116.   | 8.5  | 63        |
| 323 | Siliceous mesocellular foam for high-performance liquid chromatography: Effect of morphology and pore structure. <i>Journal of Chromatography A</i> , 2010, 1217, 4337-4343.   | 3.8  | 25        |
| 324 | Research on Optical Air Chamber of Infrared Gas Sensor. , 2010, , 33-36.   |      | 2         |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 325 | Design of data acquisition and processing system of photoionization signal based on C8051F040. , 2010, 2, V6-108-V6-111.  |      | 2         |
| 326 | Spherical Siliceous Mesocellular Foam Particles for High-Speed Size Exclusion Chromatography. Chemistry of Materials, 2007, 19, 2292-2298.  | 6.9  | 127       |
| 327 | Pressure-Driven Enzyme Entrapment in Siliceous Mesocellular Foam. Chemistry of Materials, 2006, 18, 643-649.  | 6.9  | 137       |
| 328 | Generalized Fluorocarbon-Surfactant-Mediated Synthesis of Nanoparticles with Various Mesoporous Structures. Angewandte Chemie, 2005, 117, 292-296.  | 1.5  | 38        |
| 329 | Characterization of Microporosity in Ordered Mesoporous Material MAS-7 by $^{129}\text{Xe}$ NMR Spectroscopy. Journal of Physical Chemistry B, 2004, 108, 3728-3734.  | 2.9  | 18        |
| 330 | Tailor and Control of Acidic Strength in Ordered Mesoporous Aluminosilicates by Using Preformed Zeolite Precursors. Chinese Journal of Chemistry, 2004, 22, 9-13.   | 6.6  | 2         |
| 331 | High-Temperature Generalized Synthesis of Stable Ordered Mesoporous Silica-Based Materials by Using Fluorocarbon-Hydrocarbon Surfactant Mixtures. Angewandte Chemie, 2003, 115, 3761-3765.                              | 1.5  | 21        |
| 332 | Silica nanobottles templated from functional polymer spheres. Journal of Colloid and Interface Science, 2003, 263, 467-472.   | 9.9  | 35        |
| 333 | Stable ordered mesoporous titanosilicates with active catalytic sites. Studies in Surface Science and Catalysis, 2003, , 565-568.   | 0.0  | 3         |
| 334 | CHARACTERIZATION OF MICROPOROSITY IN STABLE ORDERED MESOPOROUS ALUMINOSILICATES ASSEMBLED FROM PREFORMED NANOSIZED ZEOLITE PRECURSORS. , 2003, , .  |      | 0         |
| 335 | Hydrothermally Stable Ordered Hexagonal Mesoporous Aluminosilicates Assembled from a Triblock Copolymer and Preformed Aluminosilicate Precursors in Strongly Acidic Media. Chemistry of Materials, 2002, 14, 1144-1148. | 6.9  | 176       |
| 336 | Direct Observation of Nanorange Ordered Microporosity within Mesoporous Molecular Sieves. Chemistry of Materials, 2002, 14, 2536-2540.  | 6.9  | 77        |
| 337 | Stable Tetrahedral Aluminum Sites in Hexagonal Mesoporous Aluminosilicates. Chinese Journal of Chemistry, 2002, 20, 711-714.  | 6.6  | 2         |
| 338 | Mesoporous Aluminosilicates with Ordered Hexagonal Structure, Strong Acidity, and Extraordinary Hydrothermal Stability at High Temperatures. Journal of the American Chemical Society, 2001, 123, 5014-5021.            | 15.7 | 333       |
| 339 | A Novel Method for Incorporation of Heteroatoms into the Framework of Ordered Mesoporous Silica Materials Synthesized in Strong Acidic Media. Journal of Physical Chemistry B, 2001, 105, 7963-7966.                    | 2.9  | 203       |
| 340 | Application of logarithmic x-axis on adsorption isotherms to improve micropore analysis. Microporous and Mesoporous Materials, 2001, 42, 325-336.   | 4.7  | 10        |
| 341 | Strongly Acidic and High-Temperature Hydrothermally Stable Mesoporous Aluminosilicates with Ordered Hexagonal Structure. Angewandte Chemie, 2001, 113, 1298-1302.   | 1.5  | 32        |
| 342 | High activity in catalytic cracking over stable mesoporous aluminosilicates. Catalysis Today, 2001, 68, 209-216.  | 4.7  | 38        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 343 | The Complex Crystal Structure and Abundant Local Defects of Zeolite EMM Unraveled by Combined Electron Crystallography and Microscopy. <i>Angewandte Chemie</i> , 0, , .  | 1.5  | 0         |
| 344 | Enhancing Water Tolerance and N <sub>2</sub> Selectivity in NH <sub>3</sub> -SCR Catalysts by Protecting Mn Oxide Nanoparticles in a Silicalite-1 Layer. <i>Environmental Science &amp; Technology</i> , 0, , . | 11.3 | 0         |