

Junliang Sun

List of Publications by Year in Descending Order

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

241
papers

9,720
citations

47
h-index

92
g-index

272
ext. papers

12,024
ext. citations

9.4
avg, IF

6.34
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 241 | A general method for searching for homometric structures.. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2022 , 78, 14-19 | 1.8 | |
| 240 | Crystal structure and optical performance analysis of a new type of persistent luminescence material with multi-functional application prospects. <i>Journal of Energy Chemistry</i> , 2022 , 69, 150-160 | 12 | 3 |
| 239 | Synthesis of crystalline WS ₃ with a layered structure and desert-rose-like morphology. <i>Nanoscale Advances</i> , 2022 , 4, 1626-1631 | 5.1 | |
| 238 | Accurate structure determination of nanocrystals by continuous precession electron diffraction tomography. <i>Science China Materials</i> , 2022 , 65, 1417-1420 | 7.1 | |
| 237 | Synthesis, Structure and Superconducting Properties of Ba _{1-x} La _x /4K _{3x} /4(Bi _{0.25} Pb _{0.75})O ₃ -Perovskites. <i>Physica C: Superconductivity and Its Applications</i> , 2022 , 598, 1354075 | 1.3 | |
| 236 | Crystalline Sponge Method by Three-Dimensional Electron Diffraction.. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 821927 | 5.6 | 0 |
| 235 | Tailoring the Pore Surface of 3D Covalent Organic Frameworks via Post-Synthetic Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2021 , | 16.4 | 4 |
| 234 | Guest-Induced Switching of a Molecule-Based Magnet in a 3d-4f Heterometallic Cluster-Based Chain Structure. <i>Inorganic Chemistry</i> , 2021 , 60, 633-641 | 5.1 | 3 |
| 233 | A Deep-UV Nonlinear Optical Borosulfate with Incommensurate Modulations. <i>Angewandte Chemie</i> , 2021 , 133, 11558-11564 | 3.6 | 5 |
| 232 | A Deep-UV Nonlinear Optical Borosulfate with Incommensurate Modulations. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11457-11463 | 16.4 | 13 |
| 231 | Stable, Efficient, Copper Coordination Polymer-Derived Heterostructured Catalyst for Oxygen Evolution under pH-Universal Conditions. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 25461-25471 | 9.5 | 0 |
| 230 | EMM-25: The Structure of Two-Dimensional 11 Å Medium-Pore Borosilicate Zeolite Unraveled Using 3D Electron Diffraction. <i>Chemistry of Materials</i> , 2021 , 33, 4146-4153 | 9.6 | 4 |
| 229 | Tuning the Topology of Three-Dimensional Covalent Organic Frameworks via Steric Control: From to Unprecedented. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7279-7284 | 16.4 | 23 |
| 228 | HPM-14: A New Germanosilicate Zeolite with Interconnected Extra-Large Pores Plus Odd-Membered and Small Pores*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3438-3442 | 16.4 | 4 |
| 227 | Atomically precise single-crystal structures of electrically conducting 2D metal-organic frameworks. <i>Nature Materials</i> , 2021 , 20, 222-228 | 27 | 104 |
| 226 | Triptycene-based three-dimensional covalent organic frameworks with stp topology of honeycomb structure. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 944-949 | 7.8 | 14 |
| 225 | Structure-direction towards the new large pore zeolite NUD-3. <i>Chemical Communications</i> , 2021 , 57, 191-194 | 19.4 | 6 |

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| 224 | HPM-14: A New Germanosilicate Zeolite with Interconnected Extra-Large Pores Plus Odd-Membered and Small Pores**. <i>Angewandte Chemie</i> , 2021 , 133, 3480-3484 | 3.6 | 2 |
| 223 | Rare earth elements based oxide ion conductors. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1374-1398 | 6.8 | 5 |
| 222 | Binding and separation of CO ₂ , SO ₂ and C ₂ H ₂ in homo- and hetero-metallic metal-organic framework materials. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7190-7197 | 13 | 4 |
| 221 | A Crystalline Three-Dimensional Covalent Organic Framework with Flexible Building Blocks. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2123-2129 | 16.4 | 33 |
| 220 | Guest-Binding-Induced Interhetero Hosts Charge Transfer Crystallization: Selective Coloration of Commonly Used Organic Solvents. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1553-1561 | 16.4 | 9 |
| 219 | An Intriguing Polarization Configuration of Mixed Ising- and Néel-Type Model in the Prototype PbZrO-Based Antiferroelectrics. <i>Inorganic Chemistry</i> , 2021 , 60, 3232-3237 | 5.1 | 2 |
| 218 | Structural origin of the high-voltage instability of lithium cobalt oxide. <i>Nature Nanotechnology</i> , 2021 , 16, 599-605 | 28.7 | 42 |
| 217 | Constructing Concentration and Temperature Controllable Blue-Green Emission in a Single-Component Solid-State Phosphor. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27420-27428 | 3.8 | |
| 216 | Divergent Chemistry Paths for 3D and 1D Metallo-Covalent Organic Frameworks (COFs). <i>Angewandte Chemie</i> , 2020 , 132, 11624-11629 | 3.6 | 3 |
| 215 | IDM-1: A Zeolite with Intersecting Medium and Extra-Large Pores Built as an Expansion of Zeolite MFI. <i>Angewandte Chemie</i> , 2020 , 132, 11379-11382 | 3.6 | 6 |
| 214 | Seeded growth of large single-crystal copper foils with high-index facets. <i>Nature</i> , 2020 , 581, 406-410 | 50.4 | 68 |
| 213 | Single crystal of a one-dimensional metallo-covalent organic framework. <i>Nature Communications</i> , 2020 , 11, 1434 | 17.4 | 26 |
| 212 | Divergent Chemistry Paths for 3D and 1D Metallo-Covalent Organic Frameworks (COFs). <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11527-11532 | 16.4 | 10 |
| 211 | Processing Natural Wood into an Efficient and Durable Solar Steam Generation Device. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18165-18173 | 9.5 | 28 |
| 210 | Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17991-17995 | 16.4 | 25 |
| 209 | Non-Interpenetrated Single-Crystal Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 18147-18151 | 3.6 | 51 |
| 208 | Twist Building Blocks from Planar to Tetrahedral for the Synthesis of Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3718-3723 | 16.4 | 44 |
| 207 | Quasicrystal-related mosaics with periodic lattices interlaid with aperiodic tiles. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2020 , 76, 137-144 | 1.7 | 2 |

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|-----|---|------|-------|
| 206 | An intriguing intermediate state as a bridge between antiferroelectric and ferroelectric perovskites. <i>Materials Horizons</i> , 2020 , 7, 1912-1918 | 14.4 | 16 |
| 205 | A SnS : A Structural Incommensurate Modulation Exhibiting Strong Second-Harmonic Generation and a High Laser-Induced Damage Threshold (A=Ba, Sr). <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11861-11865 | 16.4 | 35 |
| 204 | 3D Electron Diffraction Unravels the New Zeolite ECNU-23 from the Pure Powder Sample of ECNU-21. <i>Angewandte Chemie</i> , 2020 , 132, 1182-1186 | 3.6 | 3 |
| 203 | 3D Electron Diffraction Unravels the New Zeolite ECNU-23 from the "Pure" Powder Sample of ECNU-21. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1166-1170 | 16.4 | 9 |
| 202 | Synthesis and characterizations of TiNSBA-15 mesoporous materials for CO2 dry reforming enhancement. <i>Pure and Applied Chemistry</i> , 2020 , 92, 545-556 | 2.1 | 1 |
| 201 | Atomically Dispersed Mo Supported on Metallic Co9S8 Nanoflakes as an Advanced Noble-Metal-Free Bifunctional Water Splitting Catalyst Working in Universal pH Conditions. <i>Advanced Energy Materials</i> , 2020 , 10, 1903137 | 21.8 | 97 |
| 200 | 2D and 3D Porphyrinic Covalent Organic Frameworks: The Influence of Dimensionality on Functionality. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3624-3629 | 16.4 | 102 |
| 199 | 2D and 3D Porphyrinic Covalent Organic Frameworks: The Influence of Dimensionality on Functionality. <i>Angewandte Chemie</i> , 2020 , 132, 3653-3658 | 3.6 | 20 |
| 198 | Highly Conducting Organic-Inorganic Hybrid Copper Sulfides CuxC6S6 (x=4 or 5.5): Ligand-Based Oxidation-Induced Chemical and Electronic Structure Modulation. <i>Angewandte Chemie</i> , 2020 , 132, 22791-22798 | 3.6 | 22798 |
| 197 | Redox-triggered switching in three-dimensional covalent organic frameworks. <i>Nature Communications</i> , 2020 , 11, 4919 | 17.4 | 21 |
| 196 | Acetonitrile-Based Electrolytes for Rechargeable Zinc Batteries. <i>Energy Technology</i> , 2020 , 8, 2000358 | 3.5 | 8 |
| 195 | Diverse crystal size effects in covalent organic frameworks. <i>Nature Communications</i> , 2020 , 11, 6128 | 17.4 | 13 |
| 194 | Paramagnetic Conducting Metal-Organic Frameworks with Three-Dimensional Structure. <i>Angewandte Chemie</i> , 2020 , 132, 21059-21064 | 3.6 | 1 |
| 193 | Synthesis, structure, and superconductivity of B-site doped perovskite bismuth lead oxide with indium. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3561-3570 | 6.8 | 4 |
| 192 | Room Temperature Zero Thermal Expansion in a Cubic Cobaltite. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6785-6790 | 6.4 | 3 |
| 191 | Direct plasma phosphorization of Cu foam for Li ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16920-16925 | 13 | 20 |
| 190 | Rational Manipulation of Stacking Arrangements in Three-Dimensional Zeolites Built from Two-Dimensional Zeolitic Nanosheets. <i>Angewandte Chemie</i> , 2020 , 132, 20106-20111 | 3.6 | |
| 189 | Paramagnetic Conducting Metal-Organic Frameworks with Three-Dimensional Structure. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20873-20878 | 16.4 | 8 |

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| 188 | Adsorption of Nitrogen Dioxide in a Redox-Active Vanadium Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , 2020 , 142, 15235-15239 | 16.4 | 20 |
| 187 | Rational Manipulation of Stacking Arrangements in Three-Dimensional Zeolites Built from Two-Dimensional Zeolitic Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19934-19939 | 16.4 | 1 |
| 186 | Collective and individual impacts of the cascade doping of alkali cations in perovskite single crystals. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15351-15360 | 7.1 | 1 |
| 185 | Guest-Controlled Incommensurate Modulation in a Meta-Rigid Metal-Organic Framework Material. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19189-19197 | 16.4 | 9 |
| 184 | Modulated structure determination and ion transport mechanism of oxide-ion conductor CeNbO. <i>Nature Communications</i> , 2020 , 11, 4751 | 17.4 | 8 |
| 183 | Highly Conducting Organic-Inorganic Hybrid Copper Sulfides Cu ₂ C ₂ S ₂ (x=4 or 5.5): Ligand-Based Oxidation-Induced Chemical and Electronic Structure Modulation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22602-22609 | 16.4 | 9 |
| 182 | IDM-1: A Zeolite with Intersecting Medium and Extra-Large Pores Built as an Expansion of Zeolite MFI. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11283-11286 | 16.4 | 5 |
| 181 | A ₂ SnS ₅ : A Structural Incommensurate Modulation Exhibiting Strong Second-Harmonic Generation and a High Laser-Induced Damage Threshold (A=Ba, Sr). <i>Angewandte Chemie</i> , 2020 , 132, 11959-11963 | 3.6 | 8 |
| 180 | Multistep nucleation and growth mechanisms of organic crystals from amorphous solid states. <i>Nature Communications</i> , 2019 , 10, 3872 | 17.4 | 36 |
| 179 | DMAP-Induced Gallium Phosphites with Different Dimensionality. <i>Crystal Growth and Design</i> , 2019 , 19, 6011-6016 | 3.5 | 4 |
| 178 | Maximizing sinusoidal channels of HZSM-5 for high shape-selectivity to p-xylene. <i>Nature Communications</i> , 2019 , 10, 4348 | 17.4 | 48 |
| 177 | Mechanistic Insights into Solid-State p-Type Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26151-26160 | 3.8 | 1 |
| 176 | Photoinduced synthesis of Bi ₂ O ₃ nanotubes based on oriented attachment. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1424-1428 | 13 | 6 |
| 175 | Hydroxyl free radical route to the stable siliceous Ti-UTL with extra-large pores for oxidative desulfurization. <i>Chemical Communications</i> , 2019 , 55, 1390-1393 | 5.8 | 26 |
| 174 | Insights into the Exfoliation Process of VO ₂ /HO Nanosheet Formation Using Real-Time V NMR. <i>ACS Omega</i> , 2019 , 4, 10899-10905 | 3.9 | 5 |
| 173 | A heavy metal-free CuInS quantum dot sensitized NiO photocathode with a Re molecular catalyst for photoelectrochemical CO reduction. <i>Chemical Communications</i> , 2019 , 55, 7918-7921 | 5.8 | 12 |
| 172 | Isostructural Three-Dimensional Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2019 , 131, 9872-9877 | 3.7 | 22 |
| 171 | Isostructural Three-Dimensional Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9770-9775 | 16.4 | 72 |

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| 170 | A New Layered Silicogermanate PKU-23 and Its Transformation to a Zeolite with Three-Dimensional Channels. <i>Crystal Growth and Design</i> , 2019 , 19, 2272-2278 | 3.5 | 1 |
| 169 | Superconductivity in Perovskite Ba _{1-x} K _x Bi _{0.30} Pb _{0.70} O ₃ . <i>ChemistrySelect</i> , 2019 , 4, 3135-3139 | 1.8 | 4 |
| 168 | Discovery of Complex Metal Oxide Materials by Rapid Phase Identification and Structure Determination. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4990-4996 | 16.4 | 11 |
| 167 | An NHC-CuCl functionalized metal-organic framework for catalyzing the hydrogenation of α -unsaturated carbonyl compounds. <i>Dalton Transactions</i> , 2019 , 48, 5144-5148 | 4.3 | 4 |
| 166 | Synthesis, characterization and structure of (NH) ₂ [ZnVVOH(OH)] with a novel VO layer. <i>Dalton Transactions</i> , 2019 , 48, 4906-4911 | 4.3 | |
| 165 | Lone-Pair Enhanced Birefringence in an Alkaline-Earth Metal Tin(II) Phosphate BaSn(PO ₃) ₂ . <i>Chemistry - A European Journal</i> , 2019 , 25, 5648-5651 | 4.8 | 56 |
| 164 | Rational design of crystalline two-dimensional frameworks with highly complicated topological structures. <i>Nature Communications</i> , 2019 , 10, 4609 | 17.4 | 32 |
| 163 | Flexible Freestanding MoO ₃ -Carbon Nanotubes-Nanocellulose Paper Electrodes for Charge-Storage Applications. <i>ChemSusChem</i> , 2019 , 12, 5157-5163 | 8.3 | 16 |
| 162 | Elucidation of correlated disorder in zeolite IM-18. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019 , 75, 333-342 | 1.8 | 3 |
| 161 | Nonmetallic metal toward a pressure-induced bad-metal state in two-dimensional CuLiRuO ₂ . <i>Chemical Communications</i> , 2019 , 56, 265-268 | 5.8 | 1 |
| 160 | Organic Semiconducting Alloys with Tunable Energy Levels. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6561-6568 | 16.4 | 42 |
| 159 | Cage Based Crystalline Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3843-3848 | 16.4 | 45 |
| 158 | An Interrupted Zeolite PKU-26 and Its Transformation to a Fully Four-Connected Zeolite PKU-27 upon Calcination. <i>Chemistry - A European Journal</i> , 2019 , 25, 3219-3223 | 4.8 | 2 |
| 157 | Pressure-induced semiconductor-to-metal phase transition of a charge-ordered indium halide perovskite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23404-23409 | 11.5 | 25 |
| 156 | Achieving Highly Efficient Catalysts for Hydrogen Evolution Reaction by Electronic State Modification of Platinum on Versatile Ti ₃ C ₂ T _x (MXene). <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4266-4273 | 8.3 | 44 |
| 155 | Synthesis and Structure Determination of SCM-15: A 3D Large Pore Zeolite with Interconnected Straight 12-Membered Ring Channels. <i>Chemistry - A European Journal</i> , 2019 , 25, 2184-2188 | 4.8 | 13 |
| 154 | Molybdenum Oxide Nanosheets with Tunable Plasmonic Resonance: Aqueous Exfoliation Synthesis and Charge Storage Applications. <i>Advanced Functional Materials</i> , 2019 , 29, 1806699 | 15.6 | 35 |
| 153 | V ₂ O ₅ ·nH ₂ O nanosheets and multi-walled carbon nanotube composite as a negative electrode for sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2019 , 30, 145-151 | 12 | 18 |

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| 152 | Superconductivity in Perovskite Ba _{0.85} La _x Pr _{0.15} (Bi _{0.20} Pb _{0.80})O ₃ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2019 , 32, 167-173 | 1.5 | 3 |
| 151 | Facile Water-Based Strategy for Synthesizing MoO Nanosheets: Efficient Visible Light Photocatalysts for Dye Degradation. <i>ACS Omega</i> , 2018 , 3, 2193-2201 | 3.9 | 103 |
| 150 | An Open-Framework Aluminophosphate with Face-Sharing AlO ₆ Octahedra Dimers and Extra-Large 14-Ring Channels. <i>Crystal Growth and Design</i> , 2018 , 18, 1267-1271 | 3.5 | 7 |
| 149 | Thermochromic halide perovskite solar cells. <i>Nature Materials</i> , 2018 , 17, 261-267 | 27 | 436 |
| 148 | Superconductivity in Perovskite BaLn(BiPb)O (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu). <i>Inorganic Chemistry</i> , 2018 , 57, 1269-1276 | 5.1 | 14 |
| 147 | Synthesis and crystal structure of SrBiO and structural change in the strontium-bismuth-oxide system. <i>Dalton Transactions</i> , 2018 , 47, 1888-1894 | 4.3 | 3 |
| 146 | Highly Diastereo- and Enantioselective Cascade Synthesis of Bicyclic Lactams in One-Pot. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 1158-1164 | 3.2 | 5 |
| 145 | Three-Dimensional Open-Framework Germanate Built from a Novel Ge ₁₃ Cluster and Containing Two Types of Chiral Layers. <i>Crystal Growth and Design</i> , 2018 , 18, 928-933 | 3.5 | 2 |
| 144 | Topologically guided tuning of Zr-MOF pore structures for highly selective separation of C ₆ alkane isomers. <i>Nature Communications</i> , 2018 , 9, 1745 | 17.4 | 166 |
| 143 | CsSiB ₃ O ₇ : A Beryllium-Free Deep-Ultraviolet Nonlinear Optical Material Discovered by the Combination of Electron Diffraction and First-Principles Calculations. <i>Chemistry of Materials</i> , 2018 , 30, 2203-2207 | 9.6 | 30 |
| 142 | Water Oxidation Initiated by In Situ Dimerization of the Molecular Ru(pdc) Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 4375-4382 | 13.1 | 20 |
| 141 | A Facile and Green Method for the Synthesis of SFE Borosilicate Zeolite and Its Heteroatom-Substituted Analogues with Promising Catalytic Performances. <i>Chemistry - A European Journal</i> , 2018 , 24, 306-311 | 4.8 | 5 |
| 140 | BaMg(BO)F polymorphs with reversible phase transition and high performances as ultraviolet nonlinear optical materials. <i>Nature Communications</i> , 2018 , 9, 3089 | 17.4 | 157 |
| 139 | Hierarchical Shell-Like ZSM-5 with Tunable Porosity Synthesized by using a Dissolution-Recrystallization Approach. <i>Chemistry - A European Journal</i> , 2018 , 24, 14974-14981 | 4.8 | 10 |
| 138 | Covalently linking CuInS quantum dots with a Re catalyst by click reaction for photocatalytic CO reduction. <i>Dalton Transactions</i> , 2018 , 47, 10775-10783 | 4.3 | 19 |
| 137 | Effect of zinc doping on structural, magnetic and dielectric properties of perovskite (Tb _{0.874} Mn _{0.106})MnO ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16543-16552 | 2.1 | |
| 136 | Discovery of Layered Indium Hydroxide via a Hydroperoxyl Anion Coordinated Precursor at Room Temperature. <i>Chemistry - A European Journal</i> , 2018 , 24, 15491-15494 | 4.8 | |
| 135 | Reversible adsorption of nitrogen dioxide within a robust porous metal-organic framework. <i>Nature Materials</i> , 2018 , 17, 691-696 | 27 | 108 |

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|-----|---|------|-----|
| 134 | Diphosphine-induced chiral propeller arrangement of gold nanoclusters for singlet oxygen photogeneration. <i>Nano Research</i> , 2018 , 11, 5787-5798 | 10 | 30 |
| 133 | An AIEgen-based 3D covalent organic framework for white light-emitting diodes. <i>Nature Communications</i> , 2018 , 9, 5234 | 17.4 | 182 |
| 132 | Synthesis, Structure, and Properties of the Non-Centrosymmetric Compound LiNaRbB5O8(OH)2. <i>Crystal Growth and Design</i> , 2018 , 18, 5745-5749 | 3.5 | 2 |
| 131 | Highly Conducting Neutral Coordination Polymer with Infinite Two-Dimensional Silver-Sulfur Networks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15153-15156 | 16.4 | 67 |
| 130 | Synthesis and Structure of a Layered Fluoroaluminophosphate and Its Transformation to a Three-Dimensional Zeotype Framework. <i>Inorganic Chemistry</i> , 2018 , 57, 11753-11760 | 5.1 | 6 |
| 129 | The Exploration of Carrier Behavior in the Inverted Mixed Perovskite Single-Crystal Solar Cells. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800224 | 4.6 | 38 |
| 128 | Observation of Interpenetration Isomerism in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6763-6766 | 16.4 | 75 |
| 127 | One-pot synthesis of Cu-modified HNb3O8 nanobelts with enhanced photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10769-10775 | 13 | 6 |
| 126 | Emergent superconductivity in an iron-based honeycomb lattice initiated by pressure-driven spin-crossover. <i>Nature Communications</i> , 2018 , 9, 1914 | 17.4 | 59 |
| 125 | Single-crystal x-ray diffraction structures of covalent organic frameworks. <i>Science</i> , 2018 , 361, 48-52 | 33.3 | 521 |
| 124 | Crystallization of a Novel Germanosilicate ECNU-16 Provides Insights into the Space-Filling Effect on Zeolite Crystal Symmetry. <i>Chemistry - A European Journal</i> , 2018 , 24, 9247-9253 | 4.8 | 4 |
| 123 | Synthesis and characterization of germanosilicate molecular sieves: GeO/SiO ratio, HO/TO ratio and temperature. <i>Dalton Transactions</i> , 2017 , 46, 2270-2280 | 4.3 | 11 |
| 122 | Enhancement of Ferroelectricity for Orthorhombic (TbMn)MnO by Copper Doping. <i>Inorganic Chemistry</i> , 2017 , 56, 3475-3482 | 5.1 | 8 |
| 121 | Achieving High Pseudocapacitance of 2D Titanium Carbide (MXene) by Cation Intercalation and Surface Modification. <i>Advanced Energy Materials</i> , 2017 , 7, 1602725 | 21.8 | 360 |
| 120 | Synthesis, structure and magnetic properties of (Eu _{1-x} Mn _x)MnO ₃ . <i>RSC Advances</i> , 2017 , 7, 2019-2024 | 3.7 | 10 |
| 119 | Electron Crystallography Reveals Atomic Structures of Metal-Organic Nanoplates with M(EO)(EOH)(EOH) (M = Zr, Hf) Secondary Building Units. <i>Inorganic Chemistry</i> , 2017 , 56, 8128-8134 | 5.1 | 44 |
| 118 | Simple CTAB surfactant-assisted hierarchical lamellar MWW titanosilicate: a high-performance catalyst for selective oxidations involving bulky substrates. <i>Catalysis Science and Technology</i> , 2017 , 7, 2874-2885 | 5.5 | 17 |
| 117 | The intrinsic properties of FA _{1-x} MA _x PbI ₃ perovskite single crystals. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8537-8544 | 13 | 110 |

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|-----|--|------|-----|
| 116 | Synthesis and Structure Determination of Large-Pore Zeolite SCM-14. <i>Chemistry - A European Journal</i> , 2017 , 23, 16829-16834 | 4.8 | 14 |
| 115 | Application of X-ray Diffraction and Electron Crystallography for Solving Complex Structure Problems. <i>Accounts of Chemical Research</i> , 2017 , 50, 2737-2745 | 24.3 | 44 |
| 114 | Topotactic Reduction toward a Noncentrosymmetric Deficient Perovskite Tb _{0.50} Ca _{0.50} Mn _{0.96} O _{2.37} with Ordered Mn Vacancies and Piezoelectric Behavior. <i>Chemistry of Materials</i> , 2017 , 29, 9840-9850 | 9.6 | 7 |
| 113 | Unusual Long-Range Ordering Incommensurate Structural Modulations in an Organic Molecular Ferroelectric. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15900-15906 | 16.4 | 21 |
| 112 | Stomata-like metal peptide coordination polymer. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23440-23445 | 5.3 | 5 |
| 111 | A crystalline ALPO-5 intermediate: designed synthesis, structure, and phase transformation. <i>Dalton Transactions</i> , 2017 , 46, 12209-12216 | 4.3 | 5 |
| 110 | A Water Based Synthesis of Ultrathin Hydrated Vanadium Pentoxide Nanosheets for Lithium Battery Application: Free Standing Electrodes or Conventionally Casted Electrodes?. <i>Electrochimica Acta</i> , 2017 , 252, 254-260 | 6.7 | 11 |
| 109 | PKU-21: A Novel Layered Germanate Built from Ge and Ge Clusters for CO Separation. <i>Chemistry - A European Journal</i> , 2017 , 23, 17879-17884 | 4.8 | |
| 108 | Ultraquantum magnetoresistance in the Kramers-Weyl semimetal candidate Ag ₂ Se. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 18 |
| 107 | Ultrafast epitaxial growth of metre-sized single-crystal graphene on industrial Cu foil. <i>Science Bulletin</i> , 2017 , 62, 1074-1080 | 10.6 | 326 |
| 106 | Superconductivity of Perovskite Ba _{1-x} Y _x (Bi _{0.2} Pb _{0.8})O ₃ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2017 , 30, 1705-1712 | 1.5 | 6 |
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