

Jun He

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.

85
papers

2,554
citations

28
h-index

49
g-index

92
ext. papers

2,952
ext. citations

6.5
avg, IF

5.09
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 85 | Conductive MOFs based on Thiol-functionalized Linkers: Challenges, Opportunities, and Recent Advances. <i>Coordination Chemistry Reviews</i> , 2022 , 450, 214235 | 23.2 | 7 |
| 84 | Highly Crystalline Flower-Like Covalent-Organic Frameworks Enable Highly Stable Zinc Metal Anodes. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3715-3723 | 6.1 | 2 |
| 83 | Telltale diamagnetism at 50 K of a coordination polymer system. <i>Materials Research Letters</i> , 2022 , 10, 496-500 | 7.4 | 1 |
| 82 | A Ferrocene Metal-Organic Framework Solid for Fe-Loaded Carbon Matrices and Nanotubes: High-Yield Synthesis and Oxygen Reduction Electrocatalysis. <i>Inorganic Chemistry</i> , 2021 , 60, 17315-17324 | 5.1 | 0 |
| 81 | Metal-organic frameworks constructed from trivalent lanthanide nodes (Eu ³⁺ , Tb ³⁺ , and Dy ³⁺) and thiophenethio-functionalized linker with photoluminescent response selective towards Ag ⁺ ions. <i>Dyes and Pigments</i> , 2021 , 198, 109999 | 4.6 | 0 |
| 80 | Invisible Silver Guests Boost Order in a Framework That Cyclizes and Deposits AgSb Nanodots. <i>Inorganic Chemistry</i> , 2021 , 60, 5757-5763 | 5.1 | 1 |
| 79 | In-Situ Intermolecular Interaction in Composite Polymer Electrolyte for Ultralong Life Quasi-Solid-State Lithium Metal Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 12223-12230 | 3.6 | 6 |
| 78 | In-Situ Intermolecular Interaction in Composite Polymer Electrolyte for Ultralong Life Quasi-Solid-State Lithium Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12116-12123 | 16.4 | 25 |
| 77 | Conjugated crosslinks boost the conductivity and stability of a single crystalline metal-organic framework. <i>Chemical Communications</i> , 2021 , 57, 187-190 | 5.8 | 5 |
| 76 | Linker Deficiency, Aromatic Ring Fusion, and Electrocatalysis in a Porous Ni-Pyrazolate Network. <i>Inorganic Chemistry</i> , 2021 , 60, 161-166 | 5.1 | 4 |
| 75 | Enhanced stability and colorimetric detection on Ag(I) ions of a methylthio-functionalized Zn(II) metal-organic framework. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5088-5092 | 7.1 | 4 |
| 74 | Isolation and studies of a thioether-functionalized pyrazole derived Cu(I)-based cyclic trinuclear complex and its coordination polymers with [Cu ₂ I ₂] and [BiBr ₃] nodes. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10288-10294 | 7.1 | 0 |
| 73 | Structure, Luminescent Sensing and Proton Conduction of a Boiling-Water-Stable Zn(II) Metal-Organic Framework. <i>Molecules</i> , 2021 , 26, | 4.8 | 1 |
| 72 | Construction and investigation of chiral and photoluminescent Metal-Organic framework based on Zn(II) ions and achiral methoxy-functionalized benzimidazolate linkers. <i>Inorganic Chemistry Communication</i> , 2021 , 131, 108791 | 3.1 | 1 |
| 71 | Separator modified by Co-porphyrin based Zr-MOF@CNT composite enabling efficient polysulfides catalytic conversion for advanced lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2021 , 398, 139317 | 6.7 | 8 |
| 70 | Syntheses, structures and Br ₂ uptake of Cu(I)-bipyrazole frameworks. <i>Journal of Solid State Chemistry</i> , 2021 , 302, 122458 | 3.3 | 2 |
| 69 | Interconnected NiCo ₂ O ₄ nanosheet arrays grown on carbon cloth as a host, adsorber and catalyst for sulfur species enabling high-performance LiS batteries. <i>Nanoscale Advances</i> , 2021 , 3, 1690-1698 | 5.1 | 4 |

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| 68 | Hydrated proton conduction and luminescence of a carboxylate and sulfonate-included lead(II) coordination polymer. <i>Journal of Solid State Chemistry</i> , 2020 , 287, 121325 | 3.3 | 5 |
| 67 | Building Conjugated Donor-Acceptor Cross-Links into Metal-Organic Frameworks for Photo- and Electroactivity. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19201-19209 | 9.5 | 4 |
| 66 | Dense Alkyne Arrays of a Zr(IV) Metal-Organic Framework Absorb Co(CO) for Functionalization. <i>Inorganic Chemistry</i> , 2020 , 59, 5626-5631 | 5.1 | 11 |
| 65 | Bis-(sodium sulfoethyl)-disulfide: A Promising Accelerator for Super-conformal Copper Electrodeposition with Wide Operating Concentration Ranges. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 042508 | 3.9 | 1 |
| 64 | Conductive Metal-Organic Frameworks: Mechanisms, Design Strategies and Recent Advances. <i>Topics in Current Chemistry</i> , 2020 , 378, 27 | 7.2 | 38 |
| 63 | An air-stable anionic two-dimensional semiconducting metal-thiolate network and its exfoliation into ultrathin few-layer nanosheets. <i>Chemical Communications</i> , 2020 , 56, 3645-3648 | 5.8 | 10 |
| 62 | Real-Time Monitoring of Self-Aggregation of β -Amyloid by a Fluorescent Probe Based on Ruthenium Complex. <i>Analytical Chemistry</i> , 2020 , 92, 2953-2960 | 7.8 | 12 |
| 61 | A Bumper Crop of Boiling-Water-Stable Metal-Organic Frameworks from Controlled Linker Sulfuration. <i>Inorganic Chemistry</i> , 2020 , 59, 7097-7102 | 5.1 | 8 |
| 60 | Halogen-C H Binding in Ultramicroporous Metal-Organic Frameworks (MOFs) for Benchmark C H /CO Separation Selectivity. <i>Chemistry - A European Journal</i> , 2020 , 26, 4923-4929 | 4.8 | 36 |
| 59 | Highly enhanced hydrated proton conductivity by combination of post-synthetic oxidation and acidification in a zirconium-organic framework. <i>Journal of Solid State Chemistry</i> , 2020 , 285, 121234 | 3.3 | 4 |
| 58 | A Stable 2D Zr(IV)-Based Metal-Organic Framework (USTS-7) for Selective Sensing of CrO in Aqueous Solution. <i>Inorganic Chemistry</i> , 2020 , 59, 17884-17888 | 5.1 | 5 |
| 57 | Crystallinity after decarboxylation of a metal-carboxylate framework: indestructible porosity for catalysis. <i>Dalton Transactions</i> , 2020 , 49, 11902-11910 | 4.3 | 6 |
| 56 | Anion-directed structures and luminescences of two Cu(I) coordination polymers based on bipyrazole. <i>Inorganic Chemistry Communication</i> , 2019 , 101, 121-124 | 3.1 | 4 |
| 55 | An ultra-sensitive and ratiometric fluorescent probe based on the DTBET process for Hg detection and imaging applications. <i>Analyst, The</i> , 2019 , 144, 1353-1360 | 5 | 33 |
| 54 | Symmetrically backfolded molecules emulating the self-similar features of a Sierpinski triangle. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 6032-6037 | 3.9 | 2 |
| 53 | Sulfur Chemistry for Stable and Electroactive Metal-Organic Frameworks: The Crosslinking Story. <i>Chemistry - A European Journal</i> , 2019 , 25, 8654-8662 | 4.8 | 4 |
| 52 | Janus triple tripods build up a microporous manifold for HgCl and I uptake. <i>Chemical Communications</i> , 2019 , 55, 5091-5094 | 5.8 | 7 |
| 51 | Electrical and magnetic properties of a radical-based Co(II) coordination complex with C H π and π -supramolecular interactions. <i>Inorganic Chemistry Communication</i> , 2019 , 103, 149-153 | 3.1 | 4 |

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|----|---|------|----|
| 50 | Effects of Accelerator Alkyl Chain Length on the Microvia Filling Performance in Copper Superconformal Electroplating. <i>Journal of the Electrochemical Society</i> , 2019 , 166, D104-D112 | 3.9 | 8 |
| 49 | An ultra-sensitive ratiometric fluorescent probe for hypochlorous acid detection by the synergistic effect of AIE and TBET and its application of detecting exogenous/endogenous HOCl in living cells. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 5125-5131 | 7.3 | 28 |
| 48 | Two homochiral crystals of anion-directed Cu(I) and Zn(II) helical coordination polymers. <i>Journal of Solid State Chemistry</i> , 2019 , 277, 448-453 | 3.3 | 5 |
| 47 | Frontispiece: Sulfur Chemistry for Stable and Electroactive Metal-Organic Frameworks: The Crosslinking Story. <i>Chemistry - A European Journal</i> , 2019 , 25, | 4.8 | 3 |
| 46 | A Porous and Solution-Processable Molecular Crystal Stable at 200 °C: The Surprising Donor-Acceptor Impact. <i>Crystal Growth and Design</i> , 2019 , 19, 7411-7419 | 3.5 | |
| 45 | Enantiomerism, diastereomerism and thermochromism in two Cu ₇ I ₄ cluster-based coordination polymers. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 15136-15140 | 7.1 | 8 |
| 44 | A Thiol-Functionalized UiO-67-Type Porous Single Crystal: Filling in the Synthetic Gap. <i>Inorganic Chemistry</i> , 2019 , 58, 1462-1468 | 5.1 | 20 |
| 43 | Improving stability against desolvation and mercury removal performance of Zr(IV)-carboxylate frameworks by using bulky sulfur functions. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1648-1654 | 13 | 30 |
| 42 | Beadwork and Network: Strings of Silver Ions Stitch Large-Pyrazolate Patches into a Two-dimensional Sheet. <i>Crystal Growth and Design</i> , 2018 , 18, 3713-3718 | 3.5 | 5 |
| 41 | Dramatic improvement of stability by in situ linker cyclization of a metal-organic framework. <i>Chemical Communications</i> , 2018 , 54, 9470-9473 | 5.8 | 15 |
| 40 | Ultra-sensitive fluorescent probes for hypochlorite acid detection and exogenous/endogenous imaging of living cells. <i>Chemical Communications</i> , 2018 , 54, 7967-7970 | 5.8 | 37 |
| 39 | Ruthenium stabilized on transition metal-on-transition metal oxide nanoparticles for naphthalene hydrogenation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15055-15063 | 6.7 | 6 |
| 38 | A reaction-based near-infrared fluorescent sensor for Cu detection in aqueous buffer and its application in living cells and tissues imaging. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 24-29 | 11.8 | 60 |
| 37 | A semiconducting gyroidal metal-sulfur framework for chemiresistive sensing. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16139-16143 | 13 | 35 |
| 36 | A fast-response fluorescent probe for hypochlorous acid detection and its application in exogenous and endogenous HOCl imaging of living cells. <i>Chemical Communications</i> , 2017 , 53, 12349-12352 | 5.8 | 34 |
| 35 | A nanoporous graphene analog for superfast heavy metal removal and continuous-flow visible-light photoredox catalysis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 20180-20187 | 13 | 18 |
| 34 | Construction of an alkaline phosphatase-specific two-photon probe and its imaging application in living cells and tissues. <i>Biomaterials</i> , 2017 , 140, 220-229 | 15.6 | 44 |
| 33 | Synthesis of g-C ₃ N ₄ /Silica Gels for White-Light-Emitting Devices. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600258 | 3.1 | 20 |

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|----|---|------|-----|
| 32 | Porous Field-Effect Transistors Based on a Semiconductive Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1360-1363 | 16.4 | 271 |
| 31 | Synthesis, characterization and biological evaluation of ruthenium(II) complexes [Ru(dtzp)(dppz)Cl] ⁺ and [Ru(dtzp)(dppz)CH ₃ CN] ²⁺ for photodynamic therapy. <i>Dyes and Pigments</i> , 2017 , 136, 416-426 | 4.6 | 18 |
| 30 | Metalation Triggers Single Crystalline Order in a Porous Solid. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14852-14855 | 16.4 | 38 |
| 29 | Energy transfer properties and temperature-dependent luminescence of Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ : Dy ³⁺ , Mn ⁴⁺ phosphors. <i>Journal of Materials Science</i> , 2016 , 51, 4201-4212 | 4.3 | 28 |
| 28 | A Boiling-Water-Stable, Tunable White-Emitting Metal-Organic Framework from Soft-Imprint Synthesis. <i>Chemistry - A European Journal</i> , 2016 , 22, 1597-601 | 4.8 | 30 |
| 27 | Room-temperature acetylene hydration by a Hg(II)-laced metal-organic framework. <i>Chemical Communications</i> , 2015 , 51, 10941-4 | 5.8 | 34 |
| 26 | Highly Polarizable Triiodide Anions (I ₃ ⁻) as Cross-Linkers for Coordination Polymers: Closing the Semiconductive Band Gap. <i>Inorganic Chemistry</i> , 2015 , 54, 6087-9 | 5.1 | 11 |
| 25 | In situ production of silver nanoparticles on an aldehyde-equipped conjugated porous polymer and subsequent heterogeneous reduction of aromatic nitro groups at room temperature. <i>Chemical Communications</i> , 2015 , 51, 12197-200 | 5.8 | 33 |
| 24 | Functional shakeup of metal-organic frameworks: the rise of the sidekick. <i>CrystEngComm</i> , 2015 , 17, 9254-9263 | 5.3 | 18 |
| 23 | Immobilization of volatile and corrosive iodine monochloride (ICl) and I ₂ reagents in a stable metal-organic framework. <i>Inorganic Chemistry</i> , 2014 , 53, 6837-43 | 5.1 | 30 |
| 22 | Synthesis of nitrogen-doped KNbO ₃ nanocubes with high photocatalytic activity for water splitting and degradation of organic pollutants under visible light. <i>Chemical Engineering Journal</i> , 2013 , 226, 123-130 | 14.7 | 78 |
| 21 | Multifunctional free-standing membrane from the self-assembly of ultralong MnO ₂ nanowires. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 7458-64 | 9.5 | 53 |
| 20 | Convenient detection of Pd(II) by a metal-organic framework with sulfur and olefin functions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7807-10 | 16.4 | 103 |
| 19 | Novel Synthesis of Birnessite-Type MnO ₂ Nanostructure for Water Treatment and Electrochemical Capacitor. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9586-9593 | 3.9 | 58 |
| 18 | Well-ordered organic/inorganic hybrid layered manganese oxide nanocomposites with excellent decolorization performance. <i>Journal of Solid State Chemistry</i> , 2013 , 198, 371-378 | 3.3 | 14 |
| 17 | MnO ₂ Nanosheet-Assisted Hydrothermal Synthesis of EMnO ₂ Branchy Structures. <i>Materials Letters</i> , 2012 , 79, 288-291 | 3.3 | 20 |
| 16 | White light emission and second harmonic generation from secondary group participation (SGP) in a coordination network. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1553-9 | 16.4 | 130 |
| 15 | High Efficiency Nondoped Deep-Blue Organic Light Emitting Devices Based on Imidazole-Triphenylamine Derivatives. <i>Chemistry of Materials</i> , 2012 , 24, 61-70 | 9.6 | 291 |

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|----|--|------|-----|
| 14 | Manganese oxides with different crystalline structures: Facile hydrothermal synthesis and catalytic activities. <i>Materials Letters</i> , 2012 , 86, 18-20 | 3.3 | 52 |
| 13 | Thioether Side Chains Improve the Stability, Fluorescence, and Metal Uptake of a Metal-Organic Framework. <i>Chemistry of Materials</i> , 2011 , 23, 2940-2947 | 9.6 | 131 |
| 12 | Coordination networks from Cu cations and tetrakis(methylthio)benzenedicarboxylic acid: tunable bonding patterns and selective sensing for NH ₃ gas. <i>Inorganic Chemistry</i> , 2010 , 49, 10191-8 | 5.1 | 17 |
| 11 | Building thiol and metal-thiolate functions into coordination nets: Clues from a simple molecule. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 1821-1826 | 3.3 | 46 |
| 10 | CuCN Pillars Induce Face-to-Face π -Overlap of Anthracene-Based Thioether Molecules within a Hybrid Coordination Network. <i>Crystal Growth and Design</i> , 2008 , 8, 1468-1470 | 3.5 | 13 |
| 9 | Novel thermochromism relating to supramolecular cuprophilic interaction: design, synthesis, and luminescence of copper(I) pyrazolate trimer and polymer. <i>Inorganic Chemistry</i> , 2008 , 47, 3471-3 | 5.1 | 71 |
| 8 | 1D tubular and 2D roof-like coordination polymers based on [Zn(Pdc)] helices: Syntheses, structures and photoluminescence. <i>Inorganic Chemistry Communication</i> , 2008 , 11, 1094-1096 | 3.1 | 14 |
| 7 | Mixed-valence Cu(II)Cu(I) ₁₅ I ₁₇ cluster builds up a 3D metal-organic framework with paramagnetic and thermochromic characteristics. <i>Inorganic Chemistry</i> , 2008 , 47, 7948-50 | 5.1 | 49 |
| 6 | Second Ligand-Directed Assembly of Photoluminescent Zn(II) Coordination Frameworks. <i>Crystal Growth and Design</i> , 2007 , 7, 1508-1513 | 3.5 | 74 |
| 5 | Centripetal molecules as multifunctional building blocks for coordination networks. <i>Chemical Communications</i> , 2007 , 4779-81 | 5.8 | 23 |
| 4 | Design and solvothermal synthesis of luminescent copper(I)-pyrazolate coordination oligomer and polymer frameworks. <i>Chemical Communications</i> , 2006 , 2845-7 | 5.8 | 123 |
| 3 | Solid structure and photoluminescence of zinc(II) multiplex with heptadentate salicylideneamine as primary ligand. <i>Inorganic Chemistry Communication</i> , 2006 , 9, 205-207 | 3.1 | 21 |
| 2 | Anionic hydrogen-bonded chains (Cl \cdot H ₂ O) _n -, coexisting with Ni(II) complexes of polyamine-based ligands. <i>Inorganic Chemistry Communication</i> , 2006 , 9, 326-328 | 3.1 | 8 |
| 1 | Dual-Redox Sites Guarantee High-Capacity Sodium Storage in Two-Dimension Conjugated Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2012 , 212072 | 15.6 | 6 |