

Jun He

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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	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
84	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
83	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
82	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
81	Design and solvothermal synthesis of luminescent copper(I)-pyrazolate coordination oligomer and polymer frameworks. <i>Chemical Communications</i> , 2006 , 2845-7	5.8	123
80	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
79	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
78	Second Ligand-Directed Assembly of Photoluminescent Zn(II) Coordination Frameworks. <i>Crystal Growth and Design</i> , 2007 , 7, 1508-1513	3.5	74
77	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
76	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
75	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
74	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
73	Manganese oxides with different crystalline structures: Facile hydrothermal synthesis and catalytic activities. <i>Materials Letters</i> , 2012 , 86, 18-20	3.3	52
72	Mixed-valence Cu(II)Cu(I) ₁₅ cluster builds up a 3D metal-organic framework with paramagnetic and thermochromic characteristics. <i>Inorganic Chemistry</i> , 2008 , 47, 7948-50	5.1	49
71	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
70	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
69	Conductive Metal-Organic Frameworks: Mechanisms, Design Strategies and Recent Advances. <i>Topics in Current Chemistry</i> , 2020 , 378, 27	7.2	38

68	Metalation Triggers Single Crystalline Order in a Porous Solid. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14852-14855	16.4	38
67	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
66	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
65	A semiconducting gyroidal metal-sulfur framework for chemiresistive sensing. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16139-16143	13	35
64	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
63	Room-temperature acetylene hydration by a Hg(II)-laced metal-organic framework. <i>Chemical Communications</i> , 2015 , 51, 10941-4	5.8	34
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	Centripetal molecules as multifunctional building blocks for coordination networks. <i>Chemical Communications</i> , 2007 , 4779-81	5.8	23
53	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
52	MnO ₂ Nanosheet-Assisted Hydrothermal Synthesis of EMnO ₂ Branchy Structures. <i>Materials Letters</i> , 2012 , 79, 288-291	3.3	20
51	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

- 50 A Thiol-Functionalized UiO-67-Type Porous Single Crystal: Filling in the Synthetic Gap. *Inorganic Chemistry*, **2019**, 58, 1462-1468 5.1 20
- 49 Functional shakeup of metal-organic frameworks: the rise of the sidekick. *CrystEngComm*, **2015**, 17, 9254-9263 4.3 18
- 48 A nanoporous graphene analog for superfast heavy metal removal and continuous-flow visible-light photoredox catalysis. *Journal of Materials Chemistry A*, **2017**, 5, 20180-20187 13 18
- 47 Synthesis, characterization and biological evaluation of ruthenium(II) complexes [Ru(dtzp)(dppz)Cl]⁺ and [Ru(dtzp)(dppz)CH₃CN]²⁺ for photodynamic therapy. *Dyes and Pigments*, **2017**, 136, 416-426 4.6 18
- 46 Coordination networks from Cu cations and tetrakis(methylthio)benzenedicarboxylic acid: tunable bonding patterns and selective sensing for NH₃ gas. *Inorganic Chemistry*, **2010**, 49, 10191-8 5.1 17
- 45 Dramatic improvement of stability by in situ linker cyclization of a metal-organic framework. *Chemical Communications*, **2018**, 54, 9470-9473 5.8 15
- 44 Well-ordered organic-inorganic hybrid layered manganese oxide nanocomposites with excellent decolorization performance. *Journal of Solid State Chemistry*, **2013**, 198, 371-378 3.3 14
- 43 1D tubular and 2D roof-like coordination polymers based on [Zn(Pdc)] helices: Syntheses, structures and photoluminescence. *Inorganic Chemistry Communication*, **2008**, 11, 1094-1096 3.1 14
- 42 CuCN Pillars Induce Face-to-Face π -Overlap of Anthracene-Based Thioether Molecules within a Hybrid Coordination Network. *Crystal Growth and Design*, **2008**, 8, 1468-1470 3.5 13
- 41 Real-Time Monitoring of Self-Aggregation of β -Amyloid by a Fluorescent Probe Based on Ruthenium Complex. *Analytical Chemistry*, **2020**, 92, 2953-2960 7.8 12
- 40 Highly Polarizable Triiodide Anions (I₃⁻) as Cross-Linkers for Coordination Polymers: Closing the Semiconductive Band Gap. *Inorganic Chemistry*, **2015**, 54, 6087-9 5.1 11
- 39 Dense Alkyne Arrays of a Zr(IV) Metal-Organic Framework Absorb Co(CO) for Functionalization. *Inorganic Chemistry*, **2020**, 59, 5626-5631 5.1 11
- 38 An air-stable anionic two-dimensional semiconducting metal-thiolate network and its exfoliation into ultrathin few-layer nanosheets. *Chemical Communications*, **2020**, 56, 3645-3648 5.8 10
- 37 Effects of Accelerator Alkyl Chain Length on the Microvia Filling Performance in Copper Superconformal Electroplating. *Journal of the Electrochemical Society*, **2019**, 166, D104-D112 3.9 8
- 36 A Bumper Crop of Boiling-Water-Stable Metal-Organic Frameworks from Controlled Linker Sulfuration. *Inorganic Chemistry*, **2020**, 59, 7097-7102 5.1 8
- 35 Anionic hydrogen-bonded chains (Cl⁻·H₂O)_n, coexisting with Ni(II) complexes of polyamine-based ligands. *Inorganic Chemistry Communication*, **2006**, 9, 326-328 3.1 8
- 34 Enantiomerism, diastereomerism and thermochromism in two Cu₇I₄ cluster-based coordination polymers. *Journal of Materials Chemistry C*, **2019**, 7, 15136-15140 7.1 8
- 33 Separator modified by Co-porphyrin based Zr-MOF@CNT composite enabling efficient polysulfides catalytic conversion for advanced lithium-sulfur batteries. *Electrochimica Acta*, **2021**, 398, 139317 6.7 8

32	Janus triple tripods build up a microporous manifold for HgCl and I uptake. <i>Chemical Communications</i> , 2019 , 55, 5091-5094	5.8	7
31	Conductive MOFs based on Thiol-functionalized Linkers: Challenges, Opportunities, and Recent Advances. <i>Coordination Chemistry Reviews</i> , 2022 , 450, 214235	23.2	7
30	Crystallinity after decarboxylation of a metal-carboxylate framework: indestructible porosity for catalysis. <i>Dalton Transactions</i> , 2020 , 49, 11902-11910	4.3	6
29	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
28	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
27	Dual-Redox Sites Guarantee High-Capacity Sodium Storage in Two-Dimension Conjugated Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2021 , 31, 212072	15.6	6
26	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
25	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
24	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
23	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
22	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
21	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
20	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
19	Electrical and magnetic properties of a radical-based Co(II) coordination complex with C-H π and π - π supramolecular interactions. <i>Inorganic Chemistry Communication</i> , 2019 , 103, 149-153	3.1	4
18	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
17	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
16	Linker Deficiency, Aromatic Ring Fusion, and Electrocatalysis in a Porous Ni-Pyrazolate Network. <i>Inorganic Chemistry</i> , 2021 , 60, 161-166	5.1	4
15	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

14	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
13	Frontispiece: Sulfur Chemistry for Stable and Electroactive Metal-Organic Frameworks: The Crosslinking Story. <i>Chemistry - A European Journal</i> , 2019 , 25,	4.8	3
12	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
11	Syntheses, structures and Br ₂ uptake of Cu(I)-bipyrazole frameworks. <i>Journal of Solid State Chemistry</i> , 2021 , 302, 122458	3.3	2
10	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
9	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
8	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
7	Structure, Luminescent Sensing and Proton Conduction of a Boiling-Water-Stable Zn(II) Metal-Organic Framework. <i>Molecules</i> , 2021 , 26,	4.8	1
6	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
5	Telltale diamagnetism at 50 K of a coordination polymer system. <i>Materials Research Letters</i> , 2022 , 10, 496-500	7.4	1
4	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
3	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
2	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
1	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	