

Ying-hui Zhang

List of Publications by Year in descending order

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67
papers

2,489
citations

257450

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197818

49
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70
all docs

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docs citations

70
times ranked

3368
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Crystalline State Solvent: Metal-Organic Frameworks as a Platform for Intercepting Aggregation- Caused Quenching. Chinese Journal of Chemistry, 2022, 40, 589-596. | 4.9 | 9 |
| 2 | Two-Dimensional Metal-Organic Framework with Ultrahigh Water Stability for Separation of Acetylene from Carbon Dioxide and Ethylene. ACS Applied Materials & Interfaces, 2022, 14, 33429-33437. | 8.0 | 29 |
| 3 | Improving iodine adsorption performance of porous organic polymers by rational decoration with nitrogen heterocycle. Journal of Applied Polymer Science, 2021, 138, 50054. | 2.6 | 9 |
| 4 | Propane-Trapping Ultramicroporous Metal-Organic Framework in the Low-Pressure Area toward the Purification of Propylene. ACS Applied Materials & Interfaces, 2021, 13, 35990-35996. | 8.0 | 39 |
| 5 | In-situ synthesized porphyrin polymer/TiO ₂ composites as high-performance Z-scheme photocatalysts for CO ₂ conversion. Journal of Colloid and Interface Science, 2021, 596, 342-351. | 9.4 | 21 |
| 6 | Efficient Purification of Ethylene from C ₂ Hydrocarbons with an C ₂ H ₆ /C ₂ H ₂ -Selective Metal-Organic Framework. ACS Applied Materials & Interfaces, 2021, 13, 962-969. | 8.0 | 69 |
| 7 | Microporous Metal-Organic Framework with a Completely Reversed Adsorption Relationship for C ₂ Hydrocarbons at Room Temperature. ACS Applied Materials & Interfaces, 2020, 12, 6105-6111. | 8.0 | 63 |
| 8 | Synergetic effect of hollowrization and sulfonation on improving the photocatalytic performance of covalent porphyrin polymers in the reduction of CO ₂ . Materials Chemistry Frontiers, 2020, 4, 2754-2761. | 5.9 | 10 |
| 9 | A covalent organic framework exhibiting amphiphilic selective adsorption toward ionic organic dyes tuned by pH value. European Polymer Journal, 2020, 133, 109764. | 5.4 | 38 |
| 10 | Cleanliness prediction of rusty iron in laser cleaning using convolutional neural networks. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 2.3 | 6 |
| 11 | Amorphous N-rich organic polymer/carbon nanotube composites as effective anode material for advanced lithium ion batteries. SN Applied Sciences, 2020, 2, 1. | 2.9 | 4 |
| 12 | A zinc(II) MOF based on secondary building units of infinite wavy-shaped chain exhibiting obvious luminescent sense effects. Chinese Chemical Letters, 2019, 30, 499-501. | 9.0 | 10 |
| 13 | A water-stable lanthanide-coordination polymer with free Lewis site for fluorescent sensing of Fe ³⁺ . Chinese Chemical Letters, 2019, 30, 75-78. | 9.0 | 19 |
| 14 | Benchmark selectivity <i>p</i> -xylene separation by a non-porous molecular solid through liquid or vapor extraction. Chemical Science, 2019, 10, 8850-8854. | 7.4 | 29 |
| 15 | Innen-Äcktitelbild: Engineering Donor-Acceptor Heterostructure Metal-Organic Framework Crystals for Photonic Logic Computation (Angew. Chem. 39/2019). Angewandte Chemie, 2019, 131, 14135-14135. | 2.0 | 1 |
| 16 | Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. Angewandte Chemie - International Edition, 2019, 58, 15742-15746. | 13.8 | 121 |
| 17 | Stable 2D Heteroporous Covalent Organic Frameworks for Efficient Ionic Conduction. Angewandte Chemie, 2019, 131, 15889-15893. | 2.0 | 22 |
| 18 | Engineering Donor-Acceptor Heterostructure Metal-Organic Framework Crystals for Photonic Logic Computation. Angewandte Chemie, 2019, 131, 14028-14034. | 2.0 | 23 |

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|----|--|------|-----------|
| 19 | Carbon Layer Coated Ni ₃ S ₂ /MoS ₂ Nanohybrids as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>ChemElectroChem</i> , 2019, 6, 5603-5609. | 3.4 | 22 |
| 20 | Engineering Donor–Acceptor Heterostructure Metal–Organic Framework Crystals for Photonic Logic Computation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13890-13896. | 13.8 | 108 |
| 21 | A Hexanuclear Cadmium Metal–Organic Framework Exhibiting Dual Mechanisms to Trigger a Fluorescence–Quenching Response toward Iron(III) Ions. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1068-1072. | 2.0 | 13 |
| 22 | A coordination compound featuring a supramolecular hydrogen-bonding network for proton conduction. <i>Chinese Chemical Letters</i> , 2018, 29, 336-338. | 9.0 | 23 |
| 23 | New Coordination Complexes Based on the 2,6-bis[1-(Phenylimino)ethyl] Pyridine Ligand: Effective Catalysts for the Synthesis of Propylene Carbonates from Carbon Dioxide and Epoxides. <i>Molecules</i> , 2018, 23, 2304. | 3.8 | 2 |
| 24 | Crystal Structure and Photoluminescence Properties of Two Barium(II) MOFs. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 700-704. | 2.6 | 6 |
| 25 | Sulfonated Hollow Covalent Organic Polymer: Highly Selective Adsorption toward Cationic Organic Dyes over Anionic Ones in Aqueous Solution. <i>Chinese Journal of Chemistry</i> , 2018, 36, 826-830. | 4.9 | 14 |
| 26 | Hollow porous organic polymer: High-performance adsorption for organic dye in aqueous solution. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1329-1337. | 2.3 | 28 |
| 27 | Improving the Stability and Gas Adsorption Performance of Acylamide Group Functionalized Zinc Metal–Organic Frameworks through Coordination Group Optimization. <i>Crystal Growth and Design</i> , 2017, 17, 2584-2588. | 3.0 | 15 |
| 28 | A Sr ²⁺ -metal–organic framework with high chemical stability: synthesis, crystal structure and photoluminescence property. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160026. | 3.4 | 10 |
| 29 | Bimetallic metal–organic framework derived Co ₃ O ₄ –CoFe ₂ O ₄ composites with different Fe/Co molar ratios as anode materials for lithium ion batteries. <i>Dalton Transactions</i> , 2017, 46, 15947-15953. | 3.3 | 43 |
| 30 | Tuning the adsorption and fluorescence properties of a metal–linked porous organic polymers through N-heterocyclic group decoration. <i>Journal of Polymer Science Part A</i> , 2016, 54, 1724-1730. | 2.3 | 42 |
| 31 | A new Co(II) metal–organic framework with enhanced CO ₂ adsorption and separation performance. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1510-1515. | 6.0 | 27 |
| 32 | Temperature-Related Synthesis of Two Anionic Metal–Organic Frameworks with Distinct Performance in Organic Dye Adsorption. <i>Crystal Growth and Design</i> , 2016, 16, 5593-5597. | 3.0 | 53 |
| 33 | A Water-Stable Metal–Organic Framework with a Double-Helical Structure for Fluorescent Sensing. <i>Inorganic Chemistry</i> , 2016, 55, 7326-7328. | 4.0 | 83 |
| 34 | Structure-modulated crystalline covalent organic frameworks as high-rate cathodes for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18621-18627. | 10.3 | 188 |
| 35 | Improving the Performance of a Ternary Prussian Blue Analogue as Cathode of Lithium Battery via Annealing Treatment. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016, 642, 289-293. | 1.2 | 12 |
| 36 | High-performance fluorescence sensing of lanthanum ions (La ³⁺) by a polydentate pyridyl-based quinoxaline derivative. <i>Dalton Transactions</i> , 2016, 45, 10836-10841. | 3.3 | 17 |

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|----|--|------|-----------|
| 37 | A novel gene network analysis in liver tissues of diabetic rats in response to resistant starch treatment. SpringerPlus, 2015, 4, 110. | 1.2 | 4 |
| 38 | Modulated preparation and structural diversification of metal-organic frameworks based on 4,4'-bis(2,4,5-triazol-2-yl)tripyrindine ligand. Inorganica Chimica Acta, 2015, 427, 240-247. | 2.4 | 5 |
| 39 | A unique "cage-in-cage" metal-organic framework based on nested cages from interpenetrated networks. CrystEngComm, 2015, 17, 5884-5888. | 2.6 | 15 |
| 40 | Syntheses, structures, luminescent and magnetic properties of two coordination polymers based on a flexible multidentate carboxylate ligand. Chinese Chemical Letters, 2015, 26, 499-503. | 9.0 | 11 |
| 41 | Topological modulation of metal-thiadiazole dicarboxylate coordination polymers through auxiliary ligand alteration. CrystEngComm, 2015, 17, 4301-4308. | 2.6 | 10 |
| 42 | A triphenylene-based conjugated microporous polymer: construction, gas adsorption, and fluorescence detection properties. RSC Advances, 2015, 5, 15350-15353. | 3.6 | 14 |
| 43 | MOF-Derived Porous Co ₃ O ₄ Hollow Tetrahedra with Excellent Performance as Anode Materials for Lithium-Ion Batteries. Inorganic Chemistry, 2015, 54, 8159-8161. | 4.0 | 142 |
| 44 | A high-performance "sweeper" for toxic cationic herbicides: an anionic metal-organic framework with a tetrapodal cage. Chemical Communications, 2015, 51, 17439-17442. | 4.1 | 72 |
| 45 | Ratiometric fluorescence detection of fluoride ion by indole-based receptor. Talanta, 2015, 131, 597-602. | 5.5 | 18 |
| 46 | A Manganese(II) Coordination Polymer with the Ligands Azide and Picolinate: Synthesis, Structure, and Magnetic Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1555-1558. | 1.2 | 2 |
| 47 | Four new metal-organic coordination polymers with non-coordinating biphenyl groups: Synthesis, characterization, magnetic and luminescent properties. Inorganica Chimica Acta, 2014, 411, 30-34. | 2.4 | 4 |
| 48 | A Mixed Molecular Building Block Strategy for the Design of Nested Polyhedron Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2014, 53, 837-841. | 13.8 | 189 |
| 49 | Synthesis and Crystal Structure of Three Alkaline Earth Coordination Compounds Based on 1,2,5-Thiadiazole-3,4-Dicarboxylic Acid Ligand. Journal of Chemical Crystallography, 2014, 44, 443-449. | 1.1 | 1 |
| 50 | Synthesis, structure and magnetic properties of manganese(II) coordination polymer with azido and zwitterionic dicarboxylate ligand. Chinese Chemical Letters, 2014, 25, 854-858. | 9.0 | 16 |
| 51 | A Cu(I) metal-organic framework with 4-fold helical channels for sensing anions. Chemical Science, 2013, 4, 3678. | 7.4 | 251 |
| 52 | Reinterpretation of metamorphic age of the Hengshan Complex, North China Craton. Science Bulletin, 2013, 58, 4300-4307. | 1.7 | 77 |
| 53 | Fluorous Metal-Organic Frameworks with Enhanced Stability and High H ₂ /CO ₂ Storage Capacities. Scientific Reports, 2013, 3, 3312. | 3.3 | 136 |
| 54 | A new ditopic ratiometric receptor for detecting zinc and fluoride ions in living cells. Analyst, The, 2013, 138, 5486. | 3.5 | 51 |

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|----|---|-----|-----------|
| 55 | Edge-directed assembly of a 3D 2p ⁺ 3d heterometallic metal-organic framework based on a cubic Co ₈ (TzDC) ₁₂ cage. <i>CrystEngComm</i> , 2013, 15, 9344. | 2.6 | 15 |
| 56 | A $\frac{1}{4}$ -OH ⁻ bridged two-dimensional zinc(II) coordination polymer based on an anthryl ligand: Synthesis, characterization and luminescent properties. <i>Chinese Chemical Letters</i> , 2013, 24, 270-272. | 9.0 | 3 |
| 57 | Theoretical study of electronic structure and absorption spectra of diacid and zinc species of series of meso-phenylporphyrins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1449-1460. | 3.9 | 11 |
| 58 | Experimental and theoretical study on vibrational spectra of nickel and zinc complexes of 5,10-diphenylporphyrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 499-506. | 3.9 | 5 |
| 59 | Structural parameters and vibrational spectra of a series of zinc meso-phenylporphyrins: A DFT and experimental study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 880-890. | 3.9 | 25 |
| 60 | Synthesis, spectral and theoretical studies on axial coordination of dinuclear Salen zinc(II) complexes. <i>Journal of Coordination Chemistry</i> , 2007, 60, 2485-2497. | 2.2 | 3 |
| 61 | Molecular Recognition of Porphyrin-Salen Compound towards N-Heterocyclic-guests. <i>Chinese Journal of Chemistry</i> , 2006, 24, 1031-1036. | 4.9 | 2 |
| 62 | Synthesis of chiral SalenZn(II) and its coordination with imidazole derivatives and amino acid ester derivatives. <i>Journal of Coordination Chemistry</i> , 2006, 59, 585-595. | 2.2 | 0 |
| 63 | DFT study on the geometric, electronic structure and Raman spectra of 5,15-diphenylporphine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 83-91. | 3.9 | 12 |
| 64 | DFT study on the influence of meso-phenyl substitution on the geometric, electronic structure and vibrational spectra of free base porphyrin. <i>Chemical Physics</i> , 2005, 315, 201-213. | 1.9 | 70 |
| 65 | Study on the Molecular Recognition of β , γ , δ -ZnT(o-BocThr)APP toward Imidazole Derivatives and Amino Acid Esters. <i>Chinese Journal of Chemistry</i> , 2005, 23, 1381-1386. | 4.9 | 9 |
| 66 | Resonance Raman Spectra and Excited-State Structure of Aggregated Tetrakis(4-sulfonatophenyl)porphyrin Diacid. <i>Journal of Physical Chemistry A</i> , 2001, 105, 3981-3988. | 2.5 | 68 |
| 67 | A Sulfonated Porphyrin Polymer/P25m Composite for Highly Selective Photocatalytic Conversion of CO ₂ into CH ₄ . <i>Catalysis Letters</i> , 0, , 1. | 2.6 | 2 |