

You-Gui Huang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Noncovalent π -Stacked Porous Organic Molecular Framework for Selective Separation of Aromatics and Cyclic Aliphatics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	20
2	Enhancing the Phosphate Adsorption of a Polyallylamine Resin in Alkaline Environments by Lanthanum Oxalate Modification. <i>ACS Omega</i> , 2022, 7, 19743-19753.	3.5	4
3	Successive magnetic ordering in two Coll-ladder metal-organic frameworks. <i>Science China Chemistry</i> , 2021, 64, 22-28.	8.2	2
4	A supertetrahedral T2 [Mn ₄ Ce ₆] cluster showing second-harmonic generation response. <i>Inorganic Chemistry Communication</i> , 2021, 128, 108610.	3.9	0
5	Constructing π -Stacked Supramolecular Cage Based Hierarchical Self-Assemblies via π - π Stacking and Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2021, 143, 10920-10929.	13.7	39
6	A 2D metal-organic framework interpenetrated by a 2D supramolecular framework assembled by CH/ π interactions. <i>Inorganic Chemistry Communication</i> , 2021, 130, 108705.	3.9	7
7	A 3D supramolecular framework assembled via π - π interactions and CH \cdots Cl hydrogen-bonds with second-harmonic generation response. <i>Journal of Molecular Structure</i> , 2021, 1244, 130958.	3.6	0
8	Anisotropic Thermal Expansion in an Anionic Framework Showing Guest-Dependent Phases. <i>Frontiers in Chemistry</i> , 2020, 8, 506.	3.6	1
9	Anisotropic Change in the Magnetic Susceptibility of a Dynamic Single Crystal of a Cobalt(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 717-721.	13.8	30
10	Anisotropic Change in the Magnetic Susceptibility of a Dynamic Single Crystal of a Cobalt(II) Complex. <i>Angewandte Chemie</i> , 2017, 129, 735-739.	2.0	7
11	Selective CO ₂ Capture and High Proton Conductivity of a Functional Star π -Catenane Metal-Organic Framework. <i>Advanced Materials</i> , 2017, 29, 1703301.	21.0	37
12	Visualizing the Dynamics of Temperature- and Solvent-Responsive Soft Crystals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7478-7482.	13.8	59
13	Visualizing the Dynamics of Temperature- and Solvent-Responsive Soft Crystals. <i>Angewandte Chemie</i> , 2016, 128, 7604-7608.	2.0	44
14	Thermally Induced Intra-Carboxyl Proton Shuttle in a Molecular Rack-and-Pinion Cascade Achieving Macroscopic Crystal Deformation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14628-14632.	13.8	25
15	Influence of Intermolecular Interactions on Valence Tautomeric Behaviors in Two Polymorphic Dinuclear Cobalt Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 17130-17135.	3.3	22
16	Frontispiece: Influence of Intermolecular Interactions on Valence Tautomeric Behaviors in Two Polymorphic Dinuclear Cobalt Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, .	3.3	0
17	Thermally Induced Intra-Carboxyl Proton Shuttle in a Molecular Rack-and-Pinion Cascade Achieving Macroscopic Crystal Deformation. <i>Angewandte Chemie</i> , 2016, 128, 14848-14852.	2.0	2
18	Superior thermoelasticity and shape-memory nanopores in a porous supramolecular organic framework. <i>Nature Communications</i> , 2016, 7, 11564.	12.8	58

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19	Structural stability of BTTB-based metal-organic frameworks under humid conditions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1624-1631.	10.3	22
20	Assembling an alkyl rotor to access abrupt and reversible crystalline deformation of a cobalt(II) complex. <i>Nature Communications</i> , 2015, 6, 8810.	12.8	69
21	Synthesis of Cobalt-, Nickel-, Copper-, and Zinc-Based, Water-Stable, Pillared Metal-Organic Frameworks. <i>Langmuir</i> , 2014, 30, 14300-14307.	3.5	71
22	Control of Metal-Organic Framework Crystal Topology by Ligand Functionalization: Functionalized HKUST-1 Derivatives. <i>Crystal Growth and Design</i> , 2014, 14, 6122-6128.	3.0	48
23	Effects of pelletization pressure on the physical and chemical properties of the metal-organic frameworks Cu ₃ (BTC) ₂ and UiO-66. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 48-53.	4.4	139
24	Kinetic Water Stability of an Isostructural Family of Zinc-Based Pillared Metal-Organic Frameworks. <i>Langmuir</i> , 2013, 29, 633-642.	3.5	161
25	Adsorption study of CO ₂ , CH ₄ , N ₂ , and H ₂ O on an interwoven copper carboxylate metal-organic framework (MOF-14). <i>Journal of Colloid and Interface Science</i> , 2013, 392, 331-336.	9.4	58
26	Synthesis, Characterization, and Adsorption Studies of Nickel(II), Zinc(II), and Magnesium(II) Coordination Frameworks of BTTB. <i>Crystal Growth and Design</i> , 2013, 13, 1075-1081.	3.0	40
27	MOF stability and gas adsorption as a function of exposure to water, humid air, SO ₂ , and NO ₂ . <i>Microporous and Mesoporous Materials</i> , 2013, 173, 86-91.	4.4	94
28	Stability and degradation mechanisms of metal-organic frameworks containing the Zr ₆ O ₄ (OH) ₄ secondary building unit. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5642.	10.3	578
29	Adjusting the Stability of Metal-Organic Frameworks under Humid Conditions by Ligand Functionalization. <i>Langmuir</i> , 2012, 28, 16874-16880.	3.5	170
30	Impact of Alkyl-Functionalized BTC on Properties of Copper-Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2012, 12, 3709-3713.	3.0	65
31	High-Throughput Screening of Metal-Organic Frameworks for CO ₂ Separation. <i>ACS Combinatorial Science</i> , 2012, 14, 263-267.	3.8	106
32	Breathing effects of CO ₂ adsorption on a flexible 3D lanthanide metal-organic framework. <i>Journal of Materials Chemistry</i> , 2012, 22, 10172.	6.7	67
33	A Porous Flexible Homochiral SrSi ₂ Array of Single-Stranded Helical Nanotubes Exhibiting Single-Crystal to Single-Crystal Oxidation Transformation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 436-440.	13.8	66
34	Three-component reactions leading to 2D and 3D metal-organic frameworks assembled on dinickel-carboxylate secondary building units. <i>Polyhedron</i> , 2011, 30, 47-52.	2.2	8
35	Crystal Structures, Topological Analyses, and Magnetic Properties of Manganese-Dihydroxyterephthalate Complexes. <i>Australian Journal of Chemistry</i> , 2010, 63, 286.	0.9	14
36	Mn(II)-Binaphthalenyl Dicarboxylate Complexes: Helical Rectangular Tubes, (4,4) Grid Chiral Layer and Three-Dimensional Cubic Diamond Frameworks. <i>Crystal Growth and Design</i> , 2010, 10, 184-190.	3.0	41

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37	A metal-organic framework with coordinatively unsaturated metal centers and microporous structure. <i>CrystEngComm</i> , 2010, 12, 2347.	2.6	24
38	Synthesis, X-ray crystal structure, and magnetic property of a 3-D self-assembled supermolecule. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2307-2315.	2.2	3
39	Magnetic lanthanide-transition-metal organic-inorganic hybrid materials: From discrete clusters to extended frameworks. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2814-2834.	18.8	319
40	Solvothermal syntheses and structures of indium(III)-binaphthalenyl dicarboxylate complexes with yellow/blue luminescence. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1499-1505.	2.9	16
41	Intricate 3D lanthanide-organic frameworks with mixed nodes nets. <i>Journal of Solid State Chemistry</i> , 2009, 182, 215-222.	2.9	28
42	Coordination-Driven Face-Directed Self-Assembly of a M_9L_6 Hexahedral Nanocage from Octahedral Ni(II) Ions and Asymmetric Hydrazone Ligands. <i>Crystal Growth and Design</i> , 2009, 9, 28-31.	3.0	18
43	A Porous Polyhedral Metal-Organic Framework Based on $Zn_2(COO)_3$ and $Zn_2(COO)_4$ SBUs. <i>Crystal Growth and Design</i> , 2009, 9, 2559-2561.	3.0	53
44	Hydrogen-Bonded Helical Array, Sodium-Ion-Mediated Head-to-Tail Chain, and Regular Ionic Bilayer: Structural Diversities of <i>p</i> -Sulfonatocalix[4]arene Tetranuclear Cluster Units. <i>Crystal Growth and Design</i> , 2009, 9, 1584-1589.	3.0	12
45	A Novel Supramolecular Tetrahedron Assembled from Tetranuclear Copper(I) Cluster Molecules via Aryl Embrace Interactions. <i>Inorganic Chemistry</i> , 2009, 48, 420-422.	4.0	60
46	An interwoven Fe_3L_3 trigonal metallamacrocycle from an in situ ligand hydrolysis reaction. <i>Dalton Transactions</i> , 2009, , 2673-2676.	3.3	10
47	Precursory disilver(I) macrocycle with pendent binding sites: a new building block for targeting coordination polymers based on solvent-controlled conformational variation. <i>CrystEngComm</i> , 2009, 11, 576.	2.6	10
48	Double-walled tubular metal-organic frameworks constructed from bi-strand helices. <i>CrystEngComm</i> , 2009, 11, 1831.	2.6	15
49	Indium(III)-2,5-pyridine dicarboxylate complexes with mononuclear, 1D chain, 2D layer and 3D chiral frameworks. <i>CrystEngComm</i> , 2009, 11, 918.	2.6	24
50	Cobalt-Lanthanide Coordination Polymers Constructed with Metalloligands: A Ferromagnetic Coupled Quasi-1D Dy_3+ Chain Showing Slow Relaxation. <i>Chemistry - A European Journal</i> , 2008, 14, 10340-10347.	3.3	133
51	Twofold interpenetration corrugated brick wall frameworks of $3d^84f$ heterometallic coordination polymers. <i>Inorganic Chemistry Communication</i> , 2008, 11, 840-842.	3.9	26
52	Unprecedented ferromagnetic interaction in an erbium(III)-copper(II) coordination polymer. <i>Journal of Molecular Structure</i> , 2008, 885, 23-27.	3.6	13
53	A Prototypical Zeolitic Lanthanide-Organic Framework with Nanotubular Structure. <i>Crystal Growth and Design</i> , 2008, 8, 166-168.	3.0	85
54	A <i>p</i> -Sulfonatocalix[4]arene Supramolecular Capsule Containing a Dinuclear Copper(II) Complex. <i>Supramolecular Chemistry</i> , 2007, 19, 411-417.	1.2	4

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55	New Lanthanide Hybrid as Clustered Infinite Nanotunnel with 3D Ln ^{III} O ²⁺ Ln Framework and (3,4)-Connected Net. <i>Inorganic Chemistry</i> , 2007, 46, 1171-1176.	4.0	169
56	Linear oxalato- and 4,4'-dipyridyldisulfide-bridged copper(II) coordination polymer involving in situ ligand synthesis. <i>Journal of Coordination Chemistry</i> , 2007, 60, 2527-2532.	2.2	7
57	Formation of an Infinite Three-Dimensional Water Network by the Hierarchic Assembly of Bilayer Water Nanotubes of Octamers. <i>Crystal Growth and Design</i> , 2007, 7, 1385-1387.	3.0	72
58	A 3D Porous Cobalt ^{II} -Organic Framework Exhibiting Spin-Canted Antiferromagnetism and Field-Induced Spin-Flop Transition. <i>Inorganic Chemistry</i> , 2007, 46, 9609-9615.	4.0	91
59	Syntheses, crystal structures and photoluminescences of two (4,4) topological coordination networks derived from the flexible bipyridyl ligands. <i>Inorganica Chimica Acta</i> , 2007, 360, 2207-2214.	2.4	16
60	Syntheses, crystal structures and magnetic properties of Ni(II)-2,4-pyridine-dicarboxylates. <i>Journal of Molecular Structure</i> , 2007, 830, 85-93.	3.6	13
61	Chains, ladders and sheets of d ¹⁰ metal-organic polymers generated from the flexible bipyridyl ligands. <i>Polyhedron</i> , 2007, 26, 5309-5316.	2.2	22
62	Tetrakis(1/4-2-anilinobenzoato-2O:O ²⁻)bis[(N,N-dimethylformamide-1O)copper(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m94-m96.	0.2	2
63	Tetraaquabis(4,6-dioxidopyrimidin-1-ium-3N)cobalt(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m832-m834.	0.2	2