You-Gui Huang

List of Publications by Year
in descending order

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63 papers	3,437 citations	172457 29 h-index	138484 58 g-index
65 all docs	65 docs citations	65 times ranked	4461 citing authors

#	Article	IF	Citations
1	Stability and degradation mechanisms of metalâ€“organic frameworks containing the Zr6O4(OH)4 secondary building unit. Journal of Materials Chemistry A, 2013, 1, 5642.	10.3	578
2	Magnetic lanthanideâ€“transition-metal organicâ€“inorganic hybrid materials: From discrete clusters to extended frameworks. Coordination Chemistry Reviews, 2009, 253, 2814-2834.	18.8	319
3	Adjusting the Stability of Metalâ€“Organic Frameworks under Humid Conditions by Ligand Functionalization. Langmuir, 2012, 28, 16874-16880.	3.5	170
4	New Lanthanide Hybrid as Clustered Infinite Nanotunnel with 3D Lnâ^'Oâ^'Ln Framework and (3,4)-Connected Net. Inorganic Chemistry, 2007, 46, 1171-1176.	4.0	169
5	Kinetic Water Stability of an Isostructural Family of Zinc-Based Pillared Metalâ€“Organic Frameworks. Langmuir, 2013, 29, 633-642.	3.5	161
6	Effects of pelletization pressure on the physical and chemical properties of the metalâ€“organic frameworks Cu3(BTC)2 and UiO-66. Microporous and Mesoporous Materials, 2013, 179, 48-53.	4.4	139
7	Cobaltâ€“Lanthanide Coordination Polymers Constructed with Metalloligands: A Ferromagnetic Coupled Quasiâ€1D Dy³⁺ Chain Showing Slow Relaxation. Chemistry - A European Journal, 2008, 14, 10340-10347.	3.3	133
8	High-Throughput Screening of Metalâ€“Organic Frameworks for CO₂ Separation. ACS Combinatorial Science, 2012, 14, 263-267.	3.8	106
9	MOF stability and gas adsorption as a function of exposure to water, humid air, SO2, and NO2. Microporous and Mesoporous Materials, 2013, 173, 86-91.	4.4	94
10	A 3D Porous Cobaltâ^'Organic Framework Exhibiting Spin-Canted Antiferromagnetism and Field-Induced Spin-Flop Transition. Inorganic Chemistry, 2007, 46, 9609-9615.	4.0	91
11	A Prototypical Zeolitic Lanthanideâ^'Organic Framework with Nanotubular Structure. Crystal Growth and Design, 2008, 8, 166-168.	3.0	85
12	Formation of an Infinite Three-Dimensional Water Network by the Hierarchic Assembly of Bilayer Water Nanotubes of Octamers. Crystal Growth and Design, 2007, 7, 1385-1387.	3.0	72
13	Synthesis of Cobalt-, Nickel-, Copper-, and Zinc-Based, Water-Stable, Pillared Metalâ€“Organic Frameworks. Langmuir, 2014, 30, 14300-14307.	3.5	71
14	Assembling an alkyl rotor to access abrupt and reversible crystalline deformation of a cobalt(II) complex. Nature Communications, 2015, 6, 8810.	12.8	69
15	Breathing effects of CO2 adsorption on a flexible 3D lanthanide metalâ€“organic framework. Journal of Materials Chemistry, 2012, 22, 10172.	6.7	67
16	A Porous Flexible Homochiral SrSi₂ Array of Singleâ€Stranded Helical Nanotubes Exhibiting Singleâ€Crystalâ€toâ€Singleâ€Crystal Oxidation Transformation. Angewandte Chemie - International Edition, 2011, 50, 436-440.	13.8	66
17	Impact of Alkyl-Functionalized BTC on Properties of Copper-Based Metalâ€“Organic Frameworks. Crystal Growth and Design, 2012, 12, 3709-3713.	3.0	65
18	A Novel Supramolecular Tetrahedron Assembled from Tetranuclear Copper(I) Cluster Molecules via Aryl Embrace Interactions. Inorganic Chemistry, 2009, 48, 420-422.	4.0	60

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19	Visualizing the Dynamics of Temperatureâ€•and Solventâ€Responsive Soft Crystals. Angewandte Chemie - International Edition, 2016, 55, 7478-7482.	13.8	59
20	Adsorption study of CO 2 , CH 4 , N 2 , and H 2 O on an interwoven copper carboxylate metalâ€“organic framework (MOF-14). Journal of Colloid and Interface Science, 2013, 392, 331-336.	9.4	58
21	Superior thermoelasticity and shape-memory nanopores in a porous supramolecular organic framework. Nature Communications, 2016, 7, 11564.	12.8	58
22	A Porous Polyhedral Metal-Organic Framework Based on Zn₂(COO)₃ and Zn₂(COO)₄ SBUs. Crystal Growth and Design, 2009, 9, 2559-2561.	3.0	53
23	Control of Metalâ€“Organic Framework Crystal Topology by Ligand Functionalization: Functionalized HKUST-1 Derivatives. Crystal Growth and Design, 2014, 14, 6122-6128.	3.0	48
24	Visualizing the Dynamics of Temperatureâ€•and Solventâ€Responsive Soft Crystals. Angewandte Chemie, 2016, 128, 7604-7608.	2.0	44
25	Mn(II)-Binaphthalenyl Dicarboxylate Complexes: Helical Rectangular Tubes, (4,4) Grid Chiral Layer and Three-Dimensional Cubic Diamond Frameworks. Crystal Growth and Design, 2010, 10, 184-190.	3.0	41
26	Synthesis, Characterization, and Adsorption Studies of Nickel(II), Zinc(II), and Magnesium(II) Coordination Frameworks of BTTB. Crystal Growth and Design, 2013, 13, 1075-1081.	3.0	40
27	Constructing Ï€-Stacked Supramolecular Cage Based Hierarchical Self-Assemblies via Ï€Â·Â·Â·Ï€ Stacking and Hydrogen Bonding. Journal of the American Chemical Society, 2021, 143, 10920-10929.	13.7	39
28	Selective CO₂ Capture and High Proton Conductivity of a Functional Starâ€ofâ€David Catenane Metalâ€“Organic Framework. Advanced Materials, 2017, 29, 1703301.	21.0	37
29	Anisotropic Change in the Magnetic Susceptibility of a Dynamic Single Crystal of a Cobalt(II) Complex. Angewandte Chemie - International Edition, 2017, 56, 717-721.	13.8	30
30	Intricate 3D lanthanideâ€“organic frameworks with mixed nodes nets. Journal of Solid State Chemistry, 2009, 182, 215-222.	2.9	28
31	Twofold interpenetration corrugated brick wall frameworks of 3dâ€“4f heterometallic coordination polymers. Inorganic Chemistry Communication, 2008, 11, 840-842.	3.9	26
32	Thermally Induced Intraâ€Carboxyl Proton Shuttle in a Molecular Rackâ€andâ€Pinion Cascade Achieving Macroscopic Crystal Deformation. Angewandte Chemie - International Edition, 2016, 55, 14628-14632.	13.8	25
33	Indium(iii)-2,5-pyridine dicarboxylate complexes with mononuclear, 1D chain, 2D layer and 3D chiral frameworks. CrystEngComm, 2009, 11, 918.	2.6	24
34	A metalâ€“organic framework with coordinatively unsaturated metal centers and microporous structure. CrystEngComm, 2010, 12, 2347.	2.6	24
35	Chains, ladders and sheets of d10 metalâ€“organic polymers generated from the flexible bipyridyl ligands. Polyhedron, 2007, 26, 5309-5316.	2.2	22
36	Structural stability of BTTB-based metalâ€“organic frameworks under humid conditions. Journal of Materials Chemistry A, 2015, 3, 1624-1631.	10.3	22

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37	Influence of Intermolecular Interactions on Valence Tautomeric Behaviors in Two Polymorphic Dinuclear Cobalt Complexes. Chemistry - A European Journal, 2016, 22, 17130-17135.	3.3	22
38	A Noncovalent Ï€â€Stacked Porous Organic Molecular Framework for Selective Separation of Aromatics and Cyclic Aliphatics. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
39	Coordination-Driven Face-Directed Self-Assembly of a M₉L₆ Hexahedral Nanocage from Octahedral Ni(II) Ions and Asymmetric Hydrazone Ligands. Crystal Growth and Design, 2009, 9, 28-31.	3.0	18
40	Syntheses, crystal structures and photoluminescences of two (4,4) topological coordination networks derived from the flexible bipyridyl ligands. Inorganica Chimica Acta, 2007, 360, 2207-2214.	2.4	16
41	Solvothermal syntheses and structures of indium(III)-binaphthalenyl dicarboxylate complexes with yellow/blue luminescence. Journal of Solid State Chemistry, 2009, 182, 1499-1505.	2.9	16
42	Double-walled tubular metalâ€“organic frameworks constructed from bi-strand helices. CrystEngComm, 2009, 11, 1831.	2.6	15
43	Crystal Structures, Topological Analyses, and Magnetic Properties of Manganese-Dihydroxyterephthalate Complexes. Australian Journal of Chemistry, 2010, 63, 286.	0.9	14
44	Syntheses, crystal structures and magnetic properties of Ni(II)â€“2,4-pyridine-dicarboxylates. Journal of Molecular Structure, 2007, 830, 85-93.	3.6	13
45	Unprecedented ferromagnetic interaction in an erbium(III)â€“copper(II) coordination polymer. Journal of Molecular Structure, 2008, 885, 23-27.	3.6	13
46	Hydrogen-Bonded Helical Array, Sodium-Ion-Mediated Head-to-Tail Chain, and Regular Ionic Bilayer: Structural Diversities of p-Sulfonatothiacalix[4]arene Tetranuclear Cluster Units. Crystal Growth and Design, 2009, 9, 1584-1589.	3.0	12
47	An interwoven Fe3L3trigonal metallamacrocycle from an in situligand hydrolysis reaction. Dalton Transactions, 2009, , 2673-2676.	3.3	10
48	Precursory disilver(I) macrocycle with pendent binding sites: a new building block for targeting coordination polymers based on solvent-controlled conformational variation. CrystEngComm, 2009, 11, 576.	2.6	10
49	Three-component reactions leading to 2D and 3D metalâ€“organic frameworks assembled on dinickel-carboxylate secondary building units. Polyhedron, 2011, 30, 47-52.	2.2	8
50	Linear oxalato- and 4,4â€²-dipyridyldisulfide-bridged copper(II) coordination polymer involving in situ ligand synthesis. Journal of Coordination Chemistry, 2007, 60, 2527-2532.	2.2	7
51	Anisotropic Change in the Magnetic Susceptibility of a Dynamic Single Crystal of a Cobalt(II) Complex. Angewandte Chemie, 2017, 129, 735-739.	2.0	7
52	A 2D metal-organic framework interpenetrated by a 2D supramolecular framework assembled by CH/Ï€ interactions. Inorganic Chemistry Communication, 2021, 130, 108705.	3.9	7
53	A p-Sulfonatothiacalix[4]arene Supramolecular Capsule Containing a Dinuclear Copper(II) Complex. Supramolecular Chemistry, 2007, 19, 411-417.	1.2	4
54	Enhancing the Phosphate Adsorption of a Polyallylamine Resin in Alkaline Environments by Lanthanum Oxalate Modification. ACS Omega, 2022, 7, 19743-19753.	3.5	4

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55	Synthesis, X-ray crystal structure, and magnetic property of a 3-D self-assembled supermolecule. Journal of Coordination Chemistry, 2009, 62, 2307-2315.	2.2	3
56	Tetraaquabis(4,6-dioxidopyrimidin-1-ium-Î²3N)cobalt(II). Acta Crystallographica Section E: Structure Reports Online, 2005, 61, m832-m834.	0.2	2
57	Tetrakis(Î¼-2-anilinobenzoato-Î²2O:Oâ€²)bis[(N,N-dimethylformamide-Î²O)copper(II)]. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m94-m96.	0.2	2
58	Thermally Induced Intraâ€Carboxyl Proton Shuttle in a Molecular Rackâ€andâ€Pinion Cascade Achieving Macroscopic Crystal Deformation. Angewandte Chemie, 2016, 128, 14848-14852.	2.0	2
59	Successive magnetic ordering in two CoII-ladder metal-organic frameworks. Science China Chemistry, 2021, 64, 22-28.	8.2	2
60	Anisotropic Thermal Expansion in an Anionic Framework Showing Guest-Dependent Phases. Frontiers in Chemistry, 2020, 8, 506.	3.6	1
61	Frontispiece: Influence of Intermolecular Interactions on Valence Tautomeric Behaviors in Two Polymorphic Dinuclear Cobalt Complexes. Chemistry - A European Journal, 2016, 22, .	3.3	0
62	A supertetrahedral T2 [Mn4Ce6] cluster showing second-harmonic generation response. Inorganic Chemistry Communication, 2021, 128, 108610.	3.9	0
63	A 3D supramolecular framework assembled via Ï€â‹…â‹…â‹…Ï€ interactions and CHâ‹…â‹…â‹…Cl hydrogen-bonds with second-harmonic generation response. Journal of Molecular Structure, 2021, 1244, 130958.	3.6	0