Hailong Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2460689/publications.pdf

Version: 2024-02-01

87 papers	5,577 citations	87888 38 h-index	82547 72 g-index
88 all docs	88 docs citations	88 times ranked	4249 citing authors

#	Article	IF	Citations
1	Multifunctional porous hydrogen-bonded organic framework materials. Chemical Society Reviews, 2019, 48, 1362-1389.	38.1	751
2	Microporous metalâ€“organic framework with dual functionalities for highly efficient removal of acetylene from ethylene/acetylene mixtures. Nature Communications, 2015, 6, 7328.	12.8	404
3	A Flexible Microporous Hydrogen-Bonded Organic Framework for Gas Sorption and Separation. Journal of the American Chemical Society, 2015, 137, 9963-9970.	13.7	360
4	Two-Dimensional Covalent Organic Frameworks with Cobalt(II)-Phthalocyanine Sites for Efficient Electrocatalytic Carbon Dioxide Reduction. Journal of the American Chemical Society, 2021, 143, 7104-7113.	13.7	198
5	Fine Tuning and Specific Binding Sites with a Porous Hydrogen-Bonded Metal-Complex Framework for Gas Selective Separations. Journal of the American Chemical Society, 2018, 140, 4596-4603.	13.7	181
6	Postsynthetic Metalation of a Robust Hydrogen-Bonded Organic Framework for Heterogeneous Catalysis. Journal of the American Chemical Society, 2019, 141, 8737-8740.	13.7	178
7	A microporous six-fold interpenetrated hydrogen-bonded organic framework for highly selective separation of C₂H₄/C₂H₆. Chemical Communications, 2014, 50, 13081-13084.	4.1	147
8	Porous metalâ€“organic frameworks with Lewis basic nitrogen sites for high-capacity methane storage. Energy and Environmental Science, 2015, 8, 2504-2511.	30.8	126
9	A Microporous Metalâ€“Organic Framework with Lewis Basic Nitrogen Sites for High C₂H₂ Storage and Significantly Enhanced C₂H₂/CO₂ Separation at Ambient Conditions. Inorganic Chemistry, 2016, 55, 7214-7218.	4.0	124
10	Microporous Diaminotriazine-Decorated Porphyrin-Based Hydrogen-Bonded Organic Framework: Permanent Porosity and Proton Conduction. Crystal Growth and Design, 2016, 16, 5831-5835.	3.0	120
11	Twist angle perturbation on mixed (phthalocyaninato)(porphyrinato) dysprosium(iii) double-decker SMMs. Chemical Communications, 2012, 48, 2973.	4.1	113
12	Synthesis, Crystal Structures, and Luminescent Properties of Phenoxo-Bridged Heterometallic Trinuclear Propeller- and Sandwich-Like Schiff-Base Complexes. Inorganic Chemistry, 2009, 48, 5946-5956.	4.0	103
13	Multifunctional Tubular Organic Cageâ€Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. Angewandte Chemie - International Edition, 2019, 58, 18011-18016.	13.8	103
14	Elucidating heterogeneous photocatalytic superiority of microporous porphyrin organic cage. Nature Communications, 2020, 11, 1047.	12.8	100
15	Post-synthetic modification of porous organic cages. Chemical Society Reviews, 2021, 50, 8874-8886.	38.1	98
16	Two solvent-induced porous hydrogen-bonded organic frameworks: solvent effects on structures and functionalities. Chemical Communications, 2017, 53, 11150-11153.	4.1	93
17	Sandwich-type tetrakis(phthalocyaninato) dysprosiumâ€“cadmium quadruple-decker SMM. Chemical Communications, 2011, 47, 9624.	4.1	86
18	Robust Biological Hydrogenâ€Bonded Organic Framework with Postâ€Functionalized Rhenium(I) Sites for Efficient Heterogeneous Visibleâ€Lightâ€Driven CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 8983-8989.	13.8	83

#	Article	IF	Citations
19	Maximizing Electroactive Sites in a Threeâ€Dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	83
20	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. Journal of Materials Chemistry A, 2017, 5, 8292-8296.	10.3	78
21	Transformation of Porous Organic Cages and Covalent Organic Frameworks with Efficient Iodine Vapor Capture Performance. Journal of the American Chemical Society, 2022, 144, 12390-12399.	13.7	77
22	Magneto-chiral dichroism in chiral mixed (phthalocyaninato)(porphyrinato) rare earth triple-decker SMMs. Inorganic Chemistry Frontiers, 2014, 1, 167.	6.0	74
23	Highly Interpenetrated Robust Microporous Hydrogen-Bonded Organic Framework for Gas Separation. Crystal Growth and Design, 2017, 17, 6132-6137.	3.0	74
24	Diverse Ni(<scp>ii</scp>) MOFs constructed from asymmetric semi-rigid V-shaped multicarboxylate ligands: structures and magnetic properties. CrystEngComm, 2010, 12, 1096-1102.	2.6	73
25	Microporous Lanthanide Metalâ€“Organic Framework Constructed from Lanthanide Metalloligand for Selective Separation of C₂H₂/CO₂ and C₂H₂/CH₄ at Room Temperature. Inorganic Chemistry, 2017, 56, 7145-7150.	4.0	72
26	A Solid Transformation into Carboxyl Dimers Based on a Robust Hydrogenâ€Bonded Organic Framework for Propyne/Propylene Separation. Angewandte Chemie - International Edition, 2021, 60, 25942-25948.	13.8	68
27	High acetylene/ethylene separation in a microporous zinc(<scp>ii</scp>) metalâ€“organic framework with low binding energy. Chemical Communications, 2016, 52, 1166-1169.	4.1	67
28	A sandwich-type phthalocyaninato metal sextuple-decker complex: synthesis and NLO properties. Chemical Communications, 2013, 49, 889-891.	4.1	61
29	Tetrakis(phthalocyaninato) Rareâ€Earthâ€“Cadmiumâ€“Rareâ€Earth Quadrupleâ€Decker Sandwich SMMs: Suppression of QTM by Longâ€Distance fâ€“f Interactions. Chemistry - A European Journal, 2012, 18, 7691-7694.	3.3	59
30	Synthesis, crystal structures, and luminescent properties of Cd(<scp>ii</scp>) coordination polymers assembled from asymmetric semi-rigid V-shaped multicarboxylate ligands. CrystEngComm, 2011, 13, 279-286.	2.6	53
31	An amino-decorated NbO-type metalâ€“organic framework for high C₂H₂ storage and selective CO₂ capture. RSC Advances, 2015, 5, 77417-77422.	3.6	53
32	Porphyrin-Based Metalâ€“Organic Frameworks for Efficient Photocatalytic H₂ Production under Visible-Light Irradiation. Inorganic Chemistry, 2021, 60, 3988-3995.	4.0	49
33	Synthesis, Crystal Structures, and Magnetic Properties of One-Dimensional Mixed Cyanide- and Phenolate-Bridged Heterotrimetallic Complexes. Crystal Growth and Design, 2010, 10, 4231-4234.	3.0	48
34	Synthesis, Structure, and Singleâ€Molecule Magnetic Properties of Rareâ€Earth Sandwich Complexes with Mixed Phthalocyanine and Schiff Base Ligands. Chemistry - A European Journal, 2013, 19, 2266-2270.	3.3	48
35	New Sandwichâ€Type Phthalocyaninatoâ€“Metal Quintupleâ€Decker Complexes. Chemistry - A European Journal, 2012, 18, 1047-1049.	3.3	47
36	Co-crystallized fullerene and a mixed (phthalocyaninato)(porphyrinato) dysprosium double-decker SMM. Chemical Science, 2014, 5, 3214-3220.	7.4	40

#	Article	IF	Citations
37	A porous metalâ€“organic framework with an elongated anthracene derivative exhibiting a high working capacity for the storage of methane. Journal of Materials Chemistry A, 2014, 2, 11516.	10.3	40
38	A new microporous metalâ€“organic framework with open metal sites and exposed carboxylic acid groups for selective separation of CO₂/CH₄and C₂H₂/CH₄. RSC Advances, 2014, 4, 36419.	3.6	37
39	A Fluorinated Metalâ€“Organic Framework for High Methane Storage at Room Temperature. Crystal Growth and Design, 2016, 16, 3395-3399.	3.0	36
40	Porphyrin Coordination Polymer with Dual Photocatalytic Sites for Efficient Carbon Dioxide Reduction. ACS Applied Materials & Interfaces, 2022, 14, 8048-8057.	8.0	36
41	Synthesis, crystal structures, and luminescence properties of seven tripodal imidazole-based Zn/Cd(<scp>ii</scp>) coordination polymers induced by tricarboxylates. CrystEngComm, 2014, 16, 4554-4561.	2.6	35
42	Photoresponsive Covalent Organic Frameworks with Diarylethene Switch for Tunable Singlet Oxygen Generation. Chemistry of Materials, 2022, 34, 1956-1964.	6.7	35
43	Porous organic cages for efficient gas selective separation and iodine capture. Chemical Engineering Journal, 2022, 428, 131129.	12.7	34
44	Mixed (phthalocyaninato)(porphyrinato) heterometal complexes with sandwich quadruple-decker molecular structure. Chemical Communications, 2011, 47, 6879.	4.1	33
45	A Twofold Interpenetrated Metalâ€“Organic Framework with High Performance in Selective Separation of C₂H₂/CH₄. ChemPlusChem, 2016, 81, 770-774.	2.8	31
46	Mixed (phthalocyaninato)(Schiff-base) di-dysprosium sandwich complexes. Effect of magnetic coupling on the SMM behavior. Dalton Transactions, 2013, 42, 15355.	3.3	30
47	Two-dimensional metalâ€“organic frameworks for selective separation of CO₂/CH₄ and CO₂/N₂. Materials Chemistry Frontiers, 2017, 1, 1514-1519.	5.9	30
48	Multifunctional Tubular Organic Cageâ€Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. Angewandte Chemie, 2019, 131, 18179-18184.	2.0	30
49	Maximizing Electroactive Sites in a Threeâ€dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. Angewandte Chemie, 0, , .	2.0	30
50	Elucidating J-Aggregation Effect in Boosting Singlet-Oxygen Evolution Using Zirconiumâ€“Porphyrin Frameworks: A Comprehensive Structural, Catalytic, and Spectroscopic Study. ACS Applied Materials & Interfaces, 2019, 11, 45118-45125.	8.0	29
51	The effect of pore size and layer number of metalâ€“porphyrin coordination nanosheets on sensing DNA. Journal of Materials Chemistry C, 2019, 7, 10240-10246.	5.5	27
52	5,10,15,20-tetra(4-pyridyl)porphyrinato zinc coordination polymeric particles with different shapes and luminescent properties. CrystEngComm, 2012, 14, 7780.	2.6	26
53	Metalâ€“Organic Framework with Trifluoromethyl Groups for Selective C₂H₂ and CO₂ Adsorption. Crystal Growth and Design, 2018, 18, 4522-4527.	3.0	26
54	A robust redox-active hydrogen-bonded organic framework for rechargeable batteries. Journal of Materials Chemistry A, 2022, 10, 1808-1814.	10.3	25

#	Article	IF	Citations
55	A Threefold Interpenetrated Pillaredâ€Layer Metalâ€“Organic Framework for Selective Separation of C₂H₂/CH₄ and CO₂/CH₄. ChemPlusChem, 2016, 81, 764-769.	2.8	24
56	Robust Biological Hydrogenâ€Bonded Organic Framework with Postâ€Functionalized Rhenium(I) Sites for Efficient Heterogeneous Visibleâ€Lightâ€Driven CO₂ Reduction. Angewandte Chemie, 2021, 133, 9065-9071.	2.0	23
57	Peripheral Substitution: An Easy Way to Tuning the Magnetic Behavior of Tetrakis(phthalocyaninato) Dysprosium(III) SMMs. Scientific Reports, 2015, 5, 8838.	3.3	22
58	A Noninterpenetrated Metalâ€“Organic Framework Built from an Enlarged Tetracarboxylic Acid for Small Hydrocarbon Separation. Crystal Growth and Design, 2015, 15, 4071-4074.	3.0	21
59	A Threeâ€Dimensional TetraphenylÃetheneâ€Based Metalâ€“Organic Framework for Selective Gas Separation and Luminescence Sensing of Metal Ions. European Journal of Inorganic Chemistry, 2016, 2016, 4470-4475.	2.0	20
60	Photonic Switching Porous Organic Polymers toward Reversible Control of Heterogeneous Photocatalysis. ACS Applied Materials & Interfaces, 2020, 12, 56491-56498.	8.0	19
61	Porous Pyrene Organic Cage with Unusual Absorption Bathochromic-Shift Enables Visible Light Photocatalysis. CCS Chemistry, 2022, 4, 2588-2596.	7.8	18
62	Triptycene-supported bimetallic salen porous organic polymers for high efficiency CO₂ fixation to cyclic carbonates. Inorganic Chemistry Frontiers, 2021, 8, 2880-2888.	6.0	16
63	Atomically Dispersed Nï£¿N₃ Sites on Highly Defective Microâ€Mesoporous Carbon for Superior CO₂ Electroreduction. Small, 2022, 18, e2107997.	10.0	16
64	Influence of porphyrin meso-attached substituent on the SMM behavior of dysprosium(iii) double-deckers with mixed tetrapyrrole ligands. RSC Advances, 2015, 5, 17732-17737.	3.6	15
65	A porous tetraphenylethylene-based polymer for fast-response fluorescence sensing of Fe(III) ion and nitrobenzene. Dyes and Pigments, 2020, 173, 107929.	3.7	15
66	A Robust Hydrogen-Bonded Organic Framework with 7-Fold Interpenetration Nets and High Permanent Microporosity. Crystal Growth and Design, 2022, 22, 1817-1823.	3.0	15
67	A Solid Transformation into Carboxyl Dimers Based on a Robust Hydrogenâ€Bonded Organic Framework for Propyne/Propylene Separation. Angewandte Chemie, 2021, 133, 26146-26152.	2.0	14
68	Photoactive Porphyrinâ€Based Metalâ€Organic Framework Nanosheets. European Journal of Inorganic Chemistry, 2019, 2019, 4815-4819.	2.0	13
69	The Origin of the Reproduction of Different Nitrogen Uptakes in Covalent Organic Frameworks (COFs). Chemistry - A European Journal, 2019, 25, 2303-2312.	3.3	13
70	Mixed (phthalocyanine)(Schiff-base) terbium(iii)â€“alkali metal(i)/zinc(ii) complexes: synthesis, structures, and spectroscopic properties. CrystEngComm, 2013, 15, 10383.	2.6	12
71	A Mixed Porphyrinâ€“Schiff Base Dysprosium(III) Singleâ€Molecule Magnet. European Journal of Inorganic Chemistry, 2016, 2016, 4194-4198.	2.0	12
72	Bis[1,8,15,22-tetrakis(3-pentyloxy)phthalocyaninato]terbium Double-Decker Single-Ion Magnets. Inorganic Chemistry, 2019, 58, 2422-2429.	4.0	12

#	Article	IF	Citations
73	Triptycene-Based Porous Chalcogen-Bonded Organic Frameworks. Crystal Growth and Design, 2021, 21, 6497-6503.	3.0	11
74	A sandwich-type tetrakis(phthalocyaninato) europiumâ€“cadmium quadruple-decker complex: structural, spectroscopic, OFET, and gas sensing properties. New Journal of Chemistry, 2019, 43, 15763-15767.	2.8	9
75	Magnetic investigations over reversibly switched chiral (phthalocyaninato)(porphyrinato) dysprosium double-decker compounds. Dalton Transactions, 2019, 48, 1586-1590.	3.3	9
76	Controlling the Crystal Field of Heteroleptic Bis(phthalocyaninato) Erbium for Fieldâ€Induced Magnetic Relaxation. European Journal of Inorganic Chemistry, 2019, 2019, 2940-2946.	2.0	9
77	Stimuli-Responsive Porous Molecular Crystal with Reversible Modulation of Porosity. ACS Applied Materials & Interfaces, 2022, 14, 1519-1525.	8.0	9
78	Cobalt Nanocluster-Decorated N-Rich Hierarchical Carbon Architectures Efficiently Catalyze Oxygen Reduction and Hydrogen Evolution Reactions. ACS Sustainable Chemistry and Engineering, 2022, 10, 2001-2009.	6.7	8
79	Enantioselective assembly and recognition of heterochiral porous organic cages deduced from binary chiral components. Chemical Science, 2022, 13, 7014-7020.	7.4	8
80	High Fluorescence Porous Organic Cage for Sensing Divalent Palladium Ion and Encapsulating Fine Palladium Nanoparticles. Chinese Journal of Chemistry, 2022, 40, 385-391.	4.9	7
81	Fluorescence charge-assisted hydrogen-bonded organic frameworks assembled from tetraphenylethene amidinium cation. Inorganic Chemistry Communication, 2022, 139, 109396.	3.9	7
82	Metallomacrocycle-supported interpenetration networks assembled from binary N-containing ligands. CrystEngComm, 2016, 18, 3506-3512.	2.6	6
83	Molecular assembly-induced charge transfer between a mixed (phthalocyaninato)(porphyrinato) yttrium triple-decker and a fullerene. Inorganic Chemistry Frontiers, 2019, 6, 654-658.	6.0	5
84	High mobility at the interface of the cocrystallized sandwich-type tetrapyrrole metal compound and fullerene layers. Inorganic Chemistry Frontiers, 2019, 6, 3345-3349.	6.0	5
85	Elucidating Ï€â€“Ï€ interaction-induced extension effect in sandwich phthalocyaninato compounds. RSC Advances, 2020, 10, 317-322.	3.6	5
86	Single-Ion Magnet Investigation of ABAB-Type Tetrachloro- and Tetraalkoxy-Substituted Bis(phthalocyaninato) Terbium Double-Decker with D 2 Symmetrical Ligand Field. European Journal of Inorganic Chemistry, 2019, 2019, 1329-1334.	2.0	2
87	Racemic Porous Organic Cage Crystal with Selective Gas Adsorption Behaviors. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , .	1.2	1