

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

87723

38
h-index

82410

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. <i>Chemical Society Reviews</i> , 2019, 48, 1362-1389.	18.7	751
2	Microporous metal-organic framework with dual functionalities for highly efficient removal of acetylene from ethylene/acetylene mixtures. <i>Nature Communications</i> , 2015, 6, 7328.	5.8	404
3	A Flexible Microporous Hydrogen-Bonded Organic Framework for Gas Sorption and Separation. <i>Journal of the American Chemical Society</i> , 2015, 137, 9963-9970.	6.6	360
4	Two-Dimensional Covalent Organic Frameworks with Cobalt(II)-Phthalocyanine Sites for Efficient Electrocatalytic Carbon Dioxide Reduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 7104-7113.	6.6	198
5	Fine Tuning and Specific Binding Sites with a Porous Hydrogen-Bonded Metal-Complex Framework for Gas Selective Separations. <i>Journal of the American Chemical Society</i> , 2018, 140, 4596-4603.	6.6	181
6	Postsynthetic Metalation of a Robust Hydrogen-Bonded Organic Framework for Heterogeneous Catalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 8737-8740.	6.6	178
7	A microporous six-fold interpenetrated hydrogen-bonded organic framework for highly selective separation of C_2H_4/C_2H_6 . <i>Chemical Communications</i> , 2014, 50, 13081-13084.	2.2	147
8	Porous metal-organic frameworks with Lewis basic nitrogen sites for high-capacity methane storage. <i>Energy and Environmental Science</i> , 2015, 8, 2504-2511.	15.6	126
9	A Microporous Metal-Organic Framework with Lewis Basic Nitrogen Sites for High C_2H_2 Storage and Significantly Enhanced C_2H_2/CO_2 Separation at Ambient Conditions. <i>Inorganic Chemistry</i> , 2016, 55, 7214-7218.	1.9	124
10	Microporous Diaminotriazine-Decorated Porphyrin-Based Hydrogen-Bonded Organic Framework: Permanent Porosity and Proton Conduction. <i>Crystal Growth and Design</i> , 2016, 16, 5831-5835.	1.4	120
11	Twist angle perturbation on mixed (phthalocyaninato)(porphyrinato) dysprosium(iii) double-decker SMMs. <i>Chemical Communications</i> , 2012, 48, 2973.	2.2	113
12	Synthesis, Crystal Structures, and Luminescent Properties of Phenoxo-Bridged Heterometallic Trinuclear Propeller- and Sandwich-Like Schiff-Base Complexes. <i>Inorganic Chemistry</i> , 2009, 48, 5946-5956.	1.9	103
13	Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18011-18016.	7.2	103
14	Elucidating heterogeneous photocatalytic superiority of microporous porphyrin organic cage. <i>Nature Communications</i> , 2020, 11, 1047.	5.8	100
15	Post-synthetic modification of porous organic cages. <i>Chemical Society Reviews</i> , 2021, 50, 8874-8886.	18.7	98
16	Two solvent-induced porous hydrogen-bonded organic frameworks: solvent effects on structures and functionalities. <i>Chemical Communications</i> , 2017, 53, 11150-11153.	2.2	93
17	Sandwich-type tetrakis(phthalocyaninato) dysprosium-cadmium quadruple-decker SMM. <i>Chemical Communications</i> , 2011, 47, 9624.	2.2	86
18	Robust Biological Hydrogen-Bonded Organic Framework with Post-Functionalized Rhenium(I) Sites for Efficient Heterogeneous Visible-Light-Driven CO_2 Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8983-8989.	7.2	83

#	ARTICLE	IF	CITATIONS
19	Maximizing Electroactive Sites in a Three-Dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	83
20	A microporous hydrogen-bonded organic framework with amine sites for selective recognition of small molecules. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8292-8296.	5.2	78
21	Transformation of Porous Organic Cages and Covalent Organic Frameworks with Efficient Iodine Vapor Capture Performance. <i>Journal of the American Chemical Society</i> , 2022, 144, 12390-12399.	6.6	77
22	Magneto-chiral dichroism in chiral mixed (phthalocyaninato)(porphyrinato) rare earth triple-decker SMMs. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 167.	3.0	74
23	Highly Interpenetrated Robust Microporous Hydrogen-Bonded Organic Framework for Gas Separation. <i>Crystal Growth and Design</i> , 2017, 17, 6132-6137.	1.4	74
24	Diverse Ni(μ_2) MOFs constructed from asymmetric semi-rigid V-shaped multicarboxylate ligands: structures and magnetic properties. <i>CrystEngComm</i> , 2010, 12, 1096-1102.	1.3	73
25	Microporous Lanthanide Metal-Organic Framework Constructed from Lanthanide Metalloligand for Selective Separation of C_2H_2/CO_2 and C_2H_2/CH_4 at Room Temperature. <i>Inorganic Chemistry</i> , 2017, 56, 7145-7150.	1.9	72
26	A Solid Transformation into Carboxyl Dimers Based on a Robust Hydrogen-Bonded Organic Framework for Propyne/Propylene Separation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25942-25948.	7.2	68
27	High acetylene/ethylene separation in a microporous zinc metal-organic framework with low binding energy. <i>Chemical Communications</i> , 2016, 52, 1166-1169.	2.2	67
28	A sandwich-type phthalocyaninato metal sextuple-decker complex: synthesis and NLO properties. <i>Chemical Communications</i> , 2013, 49, 889-891.	2.2	61
29	Tetrakis(phthalocyaninato) Rare-Earth-Cadmium-Rare-Earth Quadruple-Decker Sandwich SMMs: Suppression of QTM by Long-Distance f-f Interactions. <i>Chemistry - A European Journal</i> , 2012, 18, 7691-7694.	1.7	59
30	Synthesis, crystal structures, and luminescent properties of Cd(μ_2) coordination polymers assembled from asymmetric semi-rigid V-shaped multicarboxylate ligands. <i>CrystEngComm</i> , 2011, 13, 279-286.	1.3	53
31	An amino-decorated NbO-type metal-organic framework for high C_2H_2 storage and selective CO_2 capture. <i>RSC Advances</i> , 2015, 5, 77417-77422.	1.7	53
32	Porphyrin-Based Metal-Organic Frameworks for Efficient Photocatalytic H_2 Production under Visible-Light Irradiation. <i>Inorganic Chemistry</i> , 2021, 60, 3988-3995.	1.9	49
33	Synthesis, Crystal Structures, and Magnetic Properties of One-Dimensional Mixed Cyanide- and Phenolate-Bridged Heterotrimetallic Complexes. <i>Crystal Growth and Design</i> , 2010, 10, 4231-4234.	1.4	48
34	Synthesis, Structure, and Single-Molecule Magnetic Properties of Rare-Earth Sandwich Complexes with Mixed Phthalocyanine and Schiff Base Ligands. <i>Chemistry - A European Journal</i> , 2013, 19, 2266-2270.	1.7	48
35	New Sandwich-Type Phthalocyaninato-Metal Quintuple-Decker Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 1047-1049.	1.7	47
36	Co-crystallized fullerene and a mixed (phthalocyaninato)(porphyrinato) dysprosium double-decker SMM. <i>Chemical Science</i> , 2014, 5, 3214-3220.	3.7	40

#	ARTICLE	IF	CITATIONS
37	A porous metal-organic framework with an elongated anthracene derivative exhibiting a high working capacity for the storage of methane. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11516.	5.2	40
38	A new microporous metal-organic framework with open metal sites and exposed carboxylic acid groups for selective separation of CO ₂ /CH ₄ and C ₂ H ₂ /CH ₄ . <i>RSC Advances</i> , 2014, 4, 36419.	1.7	37
39	A Fluorinated Metal-Organic Framework for High Methane Storage at Room Temperature. <i>Crystal Growth and Design</i> , 2016, 16, 3395-3399.	1.4	36
40	Porphyrin Coordination Polymer with Dual Photocatalytic Sites for Efficient Carbon Dioxide Reduction. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8048-8057.	4.0	36
41	Synthesis, crystal structures, and luminescence properties of seven tripodal imidazole-based Zn/Cd coordination polymers induced by tricarboxylates. <i>CrystEngComm</i> , 2014, 16, 4554-4561.	1.3	35
42	Photoresponsive Covalent Organic Frameworks with Diarylethene Switch for Tunable Singlet Oxygen Generation. <i>Chemistry of Materials</i> , 2022, 34, 1956-1964.	3.2	35
43	Porous organic cages for efficient gas selective separation and iodine capture. <i>Chemical Engineering Journal</i> , 2022, 428, 131129.	6.6	34
44	Mixed (phthalocyaninato)(porphyrinato) heterometal complexes with sandwich quadruple-decker molecular structure. <i>Chemical Communications</i> , 2011, 47, 6879.	2.2	33
45	A Twofold Interpenetrated Metal-Organic Framework with High Performance in Selective Separation of C ₂ H ₂ /CH ₄ . <i>ChemPlusChem</i> , 2016, 81, 770-774.	1.3	31
46	Mixed (phthalocyaninato)(Schiff-base) di-dysprosium sandwich complexes. Effect of magnetic coupling on the SMM behavior. <i>Dalton Transactions</i> , 2013, 42, 15355.	1.6	30
47	Two-dimensional metal-organic frameworks for selective separation of CO ₂ /CH ₄ and CO ₂ /N ₂ . <i>Materials Chemistry Frontiers</i> , 2017, 1, 1514-1519.	3.2	30
48	Multifunctional Tubular Organic Cage-Supported Ultrafine Palladium Nanoparticles for Sequential Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 18179-18184.	1.6	30
49	Maximizing Electroactive Sites in a Three-dimensional Covalent Organic Framework for Significantly Improved Carbon Dioxide Reduction Electrocatalysis. <i>Angewandte Chemie</i> , 0, , .	1.6	30
50	Elucidating J-Aggregation Effect in Boosting Singlet-Oxygen Evolution Using Zirconium-Porphyrin Frameworks: A Comprehensive Structural, Catalytic, and Spectroscopic Study. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45118-45125.	4.0	29
51	The effect of pore size and layer number of metal-porphyrin coordination nanosheets on sensing DNA. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10240-10246.	2.7	27
52	5,10,15,20-tetra(4-pyridyl)porphyrinato zinc coordination polymeric particles with different shapes and luminescent properties. <i>CrystEngComm</i> , 2012, 14, 7780.	1.3	26
53	Metal-Organic Framework with Trifluoromethyl Groups for Selective C ₂ H ₂ and CO ₂ Adsorption. <i>Crystal Growth and Design</i> , 2018, 18, 4522-4527.	1.4	26
54	A robust redox-active hydrogen-bonded organic framework for rechargeable batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1808-1814.	5.2	25

#	ARTICLE	IF	CITATIONS
55	A Threefold Interpenetrated Pillared μ -Layer Metal μ -Organic Framework for Selective Separation of C ₂ H ₂ /CH ₄ and CO ₂ /CH ₄ . <i>ChemPlusChem</i> , 2016, 81, 764-769.	1.3	24
56	Robust Biological Hydrogen-Bonded Organic Framework with Post-Functionalized Rhenium(I) Sites for Efficient Heterogeneous Visible-Light-Driven CO ₂ Reduction. <i>Angewandte Chemie</i> , 2021, 133, 9065-9071.	1.6	23
57	Peripheral Substitution: An Easy Way to Tuning the Magnetic Behavior of Tetrakis(phthalocyaninato) Dysprosium(III) SMMs. <i>Scientific Reports</i> , 2015, 5, 8838.	1.6	22
58	A Noninterpenetrated Metal μ -Organic Framework Built from an Enlarged Tetracarboxylic Acid for Small Hydrocarbon Separation. <i>Crystal Growth and Design</i> , 2015, 15, 4071-4074.	1.4	21
59	A Three μ -Dimensional Tetraphenyl μ -Based Metal μ -Organic Framework for Selective Gas Separation and Luminescence Sensing of Metal Ions. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4470-4475.	1.0	20
60	Photonic Switching Porous Organic Polymers toward Reversible Control of Heterogeneous Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56491-56498.	4.0	19
61	Porous Pyrene Organic Cage with Unusual Absorption Bathochromic-Shift Enables Visible Light Photocatalysis. <i>CCS Chemistry</i> , 2022, 4, 2588-2596.	4.6	18
62	Triptycene-supported bimetallic salen porous organic polymers for high efficiency CO ₂ fixation to cyclic carbonates. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2880-2888.	3.0	16
63	Atomically Dispersed Ni μ N ₃ Sites on Highly Defective Micro μ -Mesoporous Carbon for Superior CO ₂ Electroreduction. <i>Small</i> , 2022, 18, e2107997.	5.2	16
64	Influence of porphyrin meso-attached substituent on the SMM behavior of dysprosium(iii) double-deckers with mixed tetrapyrrole ligands. <i>RSC Advances</i> , 2015, 5, 17732-17737.	1.7	15
65	A porous tetraphenylethylene-based polymer for fast-response fluorescence sensing of Fe(III) ion and nitrobenzene. <i>Dyes and Pigments</i> , 2020, 173, 107929.	2.0	15
66	A Robust Hydrogen-Bonded Organic Framework with 7-Fold Interpenetration Nets and High Permanent Microporosity. <i>Crystal Growth and Design</i> , 2022, 22, 1817-1823.	1.4	15
67	A Solid Transformation into Carboxyl Dimers Based on a Robust Hydrogen-Bonded Organic Framework for Propyne/Propylene Separation. <i>Angewandte Chemie</i> , 2021, 133, 26146-26152.	1.6	14
68	Photoactive Porphyrin μ -Based Metal μ -Organic Framework Nanosheets. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4815-4819.	1.0	13
69	The Origin of the Reproduction of Different Nitrogen Uptakes in Covalent Organic Frameworks (COFs). <i>Chemistry - A European Journal</i> , 2019, 25, 2303-2312.	1.7	13
70	Mixed (phthalocyanine)(Schiff-base) terbium(iii) μ -alkali metal(i)/zinc(ii) complexes: synthesis, structures, and spectroscopic properties. <i>CrystEngComm</i> , 2013, 15, 10383.	1.3	12
71	A Mixed Porphyrin μ -Schiff Base Dysprosium(III) Single μ -Molecule Magnet. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4194-4198.	1.0	12
72	Bis[1,8,15,22-tetrakis(3-pentyloxy)phthalocyaninato]terbium Double-Decker Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2019, 58, 2422-2429.	1.9	12

#	ARTICLE	IF	CITATIONS
73	Triptycene-Based Porous Chalcogen-Bonded Organic Frameworks. <i>Crystal Growth and Design</i> , 2021, 21, 6497-6503.	1.4	11
74	A sandwich-type tetrakis(phthalocyaninato) europium-cadmium quadruple-decker complex: structural, spectroscopic, OFET, and gas sensing properties. <i>New Journal of Chemistry</i> , 2019, 43, 15763-15767.	1.4	9
75	Magnetic investigations over reversibly switched chiral (phthalocyaninato)(porphyrinato) dysprosium double-decker compounds. <i>Dalton Transactions</i> , 2019, 48, 1586-1590.	1.6	9
76	Controlling the Crystal Field of Heteroleptic Bis(phthalocyaninato) Erbium for Field-Induced Magnetic Relaxation. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2940-2946.	1.0	9
77	Stimuli-Responsive Porous Molecular Crystal with Reversible Modulation of Porosity. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1519-1525.	4.0	9
78	Cobalt Nanocluster-Decorated N-Rich Hierarchical Carbon Architectures Efficiently Catalyze Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2001-2009.	3.2	8
79	Enantioselective assembly and recognition of heterochiral porous organic cages deduced from binary chiral components. <i>Chemical Science</i> , 2022, 13, 7014-7020.	3.7	8
80	High Fluorescence Porous Organic Cage for Sensing Divalent Palladium Ion and Encapsulating Fine Palladium Nanoparticles. <i>Chinese Journal of Chemistry</i> , 2022, 40, 385-391.	2.6	7
81	Fluorescence charge-assisted hydrogen-bonded organic frameworks assembled from tetraphenylethene amidinium cation. <i>Inorganic Chemistry Communication</i> , 2022, 139, 109396.	1.8	7
82	Metallomacrocycle-supported interpenetration networks assembled from binary N-containing ligands. <i>CrystEngComm</i> , 2016, 18, 3506-3512.	1.3	6
83	Molecular assembly-induced charge transfer between a mixed (phthalocyaninato)(porphyrinato) yttrium triple-decker and a fullerene. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 654-658.	3.0	5
84	High mobility at the interface of the cocrystallized sandwich-type tetrapyrrole metal compound and fullerene layers. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3345-3349.	3.0	5
85	Elucidating π - π interaction-induced extension effect in sandwich phthalocyaninato compounds. <i>RSC Advances</i> , 2020, 10, 317-322.	1.7	5
86	Single-Ion Magnet Investigation of ABAB-Type Tetrachloro- and Tetraalkoxy-Substituted Bis(phthalocyaninato) Terbium Double-Decker with D ₂ Symmetrical Ligand Field. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1329-1334.	1.0	2
87	Racemic Porous Organic Cage Crystal with Selective Gas Adsorption Behaviors. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	0.6	1