Yutong Wang

List of Publications by Year
in descending order

41 papers	1,458 citations	331670 21 h-index	330143 37 g-index
42 all docs	42 docs citations	42 times ranked	1334 citing authors

#	Article	IF	Citations
1	Flexible metalâ€“organic frameworks for gas storage and separation. Dalton Transactions, 2022, 51, 4608-4618.	3.3	66
2	A copper-based metalâ€“organic framework with a suitable pore environment for effective ethylene purification. Inorganic Chemistry Frontiers, 2022, 9, 2104-2108.	6.0	2
3	Tunable rare-earth metalâˆ’organic frameworks for ultra-high selenite capture. Journal of Hazardous Materials, 2022, 436, 129094.	12.4	11
4	Oneâ€step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobaltâ€Functionalized Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2021, 60, 11350-11358.	13.8	118
5	Metalâ€Organic Framework Materials for Light Hydrocarbon Separation. ChemPlusChem, 2021, 86, 387-395.	2.8	11
6	Oneâ€step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobaltâ€Functionalized Metalâ€“Organic Frameworks. Angewandte Chemie, 2021, 133, 11451-11459.	2.0	21
7	RÃ¼cktitelbild: Oneâ€step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobaltâ€Functionalized Metalâ€“Organic Frameworks (Angew. Chem. 20/2021). Angewandte Chemie, 2021, 133, 11636-11636.	2.0	0
8	Optimizing Feâ€Based Metalâ€Organic Frameworks through Ligand Conformation Regulation for Efficient Dye Adsorption and C 2 H 2 /CO 2 Separation. Chemistry - A European Journal, 2021, 27, 10693-10699.	3.3	13
9	A multifunctional Zr-MOF for the rapid removal of Cr₂O₇^{2âˆ’}, efficient gas adsorption/separation, and catalytic performance. Materials Chemistry Frontiers, 2020, 4, 1150-1157.	5.9	27
10	Accurate tuning of rare earth metalâ€“organic frameworks with unprecedented topology for white-light emission. Journal of Materials Chemistry C, 2020, 8, 1374-1379.	5.5	26
11	Induction of ferroptosis in response to graphene quantum dots through mitochondrial oxidative stress in microglia. Particle and Fibre Toxicology, 2020, 17, 30.	6.2	73
12	Frontispiece: Sequential Solidâ€State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metalâ€“Organic Framework (MOF). Angewandte Chemie - International Edition, 2020, 59, .	13.8	1
13	Optimizing zirconium metalâ€“organic frameworks through steric tuning for efficient removal of Cr₂O₇^{2âˆ’}. Chemical Communications, 2020, 56, 10513-10516.	4.1	8
14	Two series of Ln-MOFs by solvent induced self-assembly demonstrating the rapid selective sensing of Mg²⁺ and Fe³⁺ cations. Dalton Transactions, 2020, 49, 15473-15480.	3.3	26
15	Sequential Solidâ€State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metalâ€“Organic Framework (MOF). Angewandte Chemie - International Edition, 2020, 59, 22372-22377.	13.8	21
16	Sequential Solidâ€State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metalâ€“Organic Framework (MOF). Angewandte Chemie, 2020, 132, 22558-22563.	2.0	2
17	Frontispiz: Sequential Solidâ€State Transformations Involving Consecutive Rearrangements of Secondary Building Units in a Metalâ€“Organic Framework (MOF). Angewandte Chemie, 2020, 132, .	2.0	0
18	Mesoporous Silica Nanoparticles at Predicted Environmentally Relevant Concentrations Cause Impairments in GABAergic Motor Neurons of Nematode <i>Caenorhabditis elegans</i>. Chemical Research in Toxicology, 2020, 33, 1665-1676.	3.3	4

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19	The NLRP3-Mediated Neuroinflammatory Responses to CdTe Quantum Dots and the Protection of ZnS Shell . International Journal of Nanomedicine, 2020, Volume 15, 3217-3233.	6.7	18
20	Molecular Pivotâ€Hinge Installation to Evolve Topology in Rareâ€Earth Metalâ€“Organic Frameworks. Angewandte Chemie, 2019, 131, 16835-16843.	2.0	4
21	Uncovering Structural Opportunities for Zirconium Metalâ€“Organic Frameworks via Linker Desymmetrization. Advanced Science, 2019, 6, 1901855.	11.2	19
22	Molecular Pivotâ€Hinge Installation to Evolve Topology in Rareâ€Earth Metalâ€“Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 16682-16690.	13.8	45
23	Microstructure and Enhanced Properties of Copper-Vanadium Nanocomposites Obtained by Powder Metallurgy. Materials, 2019, 12, 339.	2.9	6
24	Solvent-induced terbium metalâ€“organic frameworks for highly selective detection of manganese(<scp>ii</scp>) ions. Dalton Transactions, 2019, 48, 2569-2573.	3.3	25
25	Fine-Tuning the Pore Environment of the Microporous Cu-MOF for High Propylene Storage and Efficient Separation of Light Hydrocarbons. ACS Central Science, 2019, 5, 1261-1268.	11.3	128
26	Two alkynyl functionalized Co(II)-MOFs as fluorescent sensors exhibiting selectivity and sensitivity for Fe3+ and nitroaromatic compounds. Chinese Chemical Letters, 2019, 30, 1440-1444.	9.0	19
27	Amino-functionalized Cu-MOF for efficient purification of methane from light hydrocarbons and excellent catalytic performance. Inorganic Chemistry Frontiers, 2019, 6, 1152-1157.	6.0	25
28	Topology Exploration in Highly Connected Rare-Earth Metalâ€“Organic Frameworks via Continuous Hindrance Control. Journal of the American Chemical Society, 2019, 141, 6967-6975.	13.7	125
29	Metalâ€“Organic Frameworks: Uncovering Structural Opportunities for Zirconium Metalâ€“Organic Frameworks via Linker Desymmetrization (Adv. Sci. 23/2019). Advanced Science, 2019, 6, 1970141.	11.2	0
30	Regulating C₂H₂ and CO₂ Storage and Separation through Pore Environment Modification in a Microporous Ni-MOF. ACS Sustainable Chemistry and Engineering, 2019, 7, 2134-2140.	6.7	113
31	Effect of Functional Groups on the Adsorption of Light Hydrocarbons in <i>fmj</i>-type Metalâ€“Organic Frameworks. Crystal Growth and Design, 2019, 19, 832-838.	3.0	33
32	Rational Design and Synthesis of Hexanuclear Rare Earth the-a Metalâ€“Organic Frameworks Platform Based on RE₆O₄(OH)₄(COO)₈ Clusters. Crystal Growth and Design, 2019, 19, 1509-1513.	3.0	18
33	Two-dimensional cobalt metal-organic frameworks for efficient C3H6/CH4 and C3H8/CH4 hydrocarbon separation. Chinese Chemical Letters, 2018, 29, 865-868.	9.0	38
34	An Aminoâ€Functionalized Metalâ€Organic Framework, Based on a Rare Ba₁₂(COO)₁₈(NO₃)₂ Cluster, for Efficient C₃/C₂/C₁ Separation and Preferential Catalytic Performance. Chemistry - A European Journal, 2018, 24, 2137-2143.	3.3	61
35	Amino-functionalized MOFs with high physicochemical stability for efficient gas storage/separation, dye adsorption and catalytic performance. Journal of Materials Chemistry A, 2018, 6, 24486-24495.	10.3	159
36	An anionic metalâ€“organic framework: metathesis of zinc(<scp>ii</scp>) with copper(<scp>ii</scp>) for efficient C₃/C₂ hydrocarbon and organic dye separation. Inorganic Chemistry Frontiers, 2018, 5, 2898-2905.	6.0	18

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37	Solvent-induced framework-interpenetration isomers of Cu MOFs for efficient light hydrocarbon separation. Inorganic Chemistry Frontiers, 2018, 5, 2408-2412.	6.0	27
38	A fluorine-functionalized microporous In-MOF with high physicochemical stability for light hydrocarbon storage and separation. Inorganic Chemistry Frontiers, 2018, 5, 2445-2449.	6.0	59
39	A non-interpenetrating lead-organic framework with large channels based on 1D tube-shaped SBUs. Chemical Communications, 2017, 53, 5694-5697.	4.1	25
40	Stepwise Synthesis of Diverse Isomer MOFs via Metal-Ion Metathesis in a Controlled Single-Crystal-to-Single-Crystal Transformation. Crystal Growth and Design, 2017, 17, 4084-4089.	3.0	29
41	A Stable Amino-Functionalized Interpenetrated Metalâ€“Organic Framework Exhibiting Gas Selectivity and Pore-Size-Dependent Catalytic Performance. Inorganic Chemistry, 2017, 56, 13634-13637.	4.0	34