

Kun-Yu Wang

List of Publications by Year in descending order

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43
papers

2,733
citations

185998

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301761

39
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docs citations

45
times ranked

2759
citing authors

#	ARTICLE	IF	CITATIONS
1	Destruction of Metal-Organic Frameworks: Positive and Negative Aspects of Stability and Lability. <i>Chemical Reviews</i> , 2020, 120, 13087-13133.	23.0	294
2	The chemistry of multi-component and hierarchical framework compounds. <i>Chemical Society Reviews</i> , 2019, 48, 4823-4853.	18.7	196
3	Controllable Synthesis of Metal-Organic Frameworks and Their Hierarchical Assemblies. <i>Matter</i> , 2019, 1, 801-824.	5.0	187
4	Hierarchically porous metal-organic frameworks: synthetic strategies and applications. <i>National Science Review</i> , 2020, 7, 1743-1758.	4.6	161
5	Metal-organic frameworks based on multicarboxylate linkers. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213542.	9.5	158
6	Cation-induced chirality in a bifunctional metal-organic framework for quantitative enantioselective recognition. <i>Nature Communications</i> , 2019, 10, 5117.	5.8	150
7	Hierarchy in Metal-Organic Frameworks. <i>ACS Central Science</i> , 2020, 6, 359-367.	5.3	130
8	Topology Exploration in Highly Connected Rare-Earth Metal-Organic Frameworks via Continuous Hindrance Control. <i>Journal of the American Chemical Society</i> , 2019, 141, 6967-6975.	6.6	125
9	Porphyric Metal-Organic Frameworks Installed with Brønsted Acid Sites for Efficient Tandem Semisynthesis of Artemisinin. <i>ACS Catalysis</i> , 2019, 9, 5111-5118.	5.5	96
10	Catalytic Porphyrin Framework Compounds. <i>Trends in Chemistry</i> , 2020, 2, 555-568.	4.4	94
11	Rapid desolvation-triggered domino lattice rearrangement in a metal-organic framework. <i>Nature Chemistry</i> , 2020, 12, 90-97.	6.6	93
12	Strategies for Pore Engineering in Zirconium Metal-Organic Frameworks. <i>CheM</i> , 2020, 6, 2902-2923.	5.8	91
13	Uncovering Two Principles of Multivariate Hierarchical Metal-Organic Framework Synthesis via Retrosynthetic Design. <i>ACS Central Science</i> , 2018, 4, 1719-1726.	5.3	79
14	A Ferric Semiquinoid Single-Chain Magnet via Thermally-Switchable Metal-Ligand Electron Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 6550-6553.	6.6	78
15	Defect Termination in the UiO-66 Family of Metal-Organic Frameworks: The Role of Water and Modulator. <i>Journal of the American Chemical Society</i> , 2021, 143, 6328-6332.	6.6	74
16	Linker Desymmetrization: Access to a Series of Rare-Earth Tetracarboxylate Frameworks with Eight-Connected Hexanuclear Nodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 2784-2791.	6.6	61
17	Homochiral Dodecanuclear Lanthanide Cage for Enantioselective Separation. <i>Journal of the American Chemical Society</i> , 2021, 143, 12560-12566.	6.6	59
18	Bifunctionalized Metal-Organic Frameworks for Pore-Size-Dependent Enantioselective Sensing. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	57

#	ARTICLE	IF	CITATIONS
19	Rapid Generation of Hierarchically Porous Metal-Organic Frameworks through Laser Photolysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11349-11354.	7.2	54
20	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16682-16690.	7.2	45
21	A Series of Mesoporous Rare-Earth Metal-Organic Frameworks Constructed from Organic Secondary Building Units. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2053-2057.	7.2	43
22	Modular Total Synthesis in Reticular Chemistry. <i>Journal of the American Chemical Society</i> , 2020, 142, 3069-3076.	6.6	42
23	A Multicenter Metal-Organic Framework for Quantitative Detection of Multicomponent Organic Mixtures. <i>CCS Chemistry</i> , 2022, 4, 3238-3245.	4.6	39
24	A Gadolinium(III) Zeolite-like Metal-Organic-Framework-Based Magnetic Resonance Thermometer. <i>CheM</i> , 2019, 5, 1609-1618.	5.8	38
25	Seed-mediated evolution of hierarchical metal-organic framework quaternary superstructures. <i>Chemical Science</i> , 2020, 11, 1643-1648.	3.7	36
26	Imprinted Apportionment of Functional Groups in Multivariate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 14524-14529.	6.6	35
27	Detection of the UV-vis silent biomarker trimethylamine-N-oxide via outer-sphere interactions in a lanthanide metal-organic framework. <i>Communications Chemistry</i> , 2022, 5, .	2.0	35
28	Engineering a homochiral metal-organic framework based on an amino acid for enantioselective separation. <i>Chemical Communications</i> , 2020, 56, 9016-9019.	2.2	29
29	Porous Crystalline Spherulite Superstructures. <i>CheM</i> , 2020, 6, 460-471.	5.8	28
30	Bottom-Up Assembly of a Highly Efficient Metal-Organic Framework for Cooperative Catalysis. <i>Inorganic Chemistry</i> , 2018, 57, 13912-13919.	1.9	22
31	Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization. <i>Advanced Science</i> , 2019, 6, 1901855.	5.6	19
32	Rapid Generation of Hierarchically Porous Metal-Organic Frameworks through Laser Photolysis. <i>Angewandte Chemie</i> , 2020, 132, 11445-11450.	1.6	16
33	Morphology Transcription in Hierarchical MOF-on-MOF Architectures. , 2021, 3, 738-743.		13
34	Metal-Organic Frameworks as Versatile Platforms for Organometallic Chemistry. <i>Inorganics</i> , 2021, 9, 27.	1.2	12
35	A {Ni ₁₂ }-Wheel-Based Metal-Organic Framework for Coordinative Binding of Sulphur Dioxide and Nitrogen Dioxide. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115585.	7.2	12
36	Observation of oxygen evolution over a {Ni ₁₂ }-cluster-based metal-organic framework. <i>Science China Chemistry</i> , 2022, 65, 1088-1093.	4.2	11

#	ARTICLE	IF	CITATIONS
37	Enantioseparation in Hierarchically Porous Assemblies of Homochiral Cages. ACS Central Science, 2022, 8, 562-570.	5.3	8
38	Tuning the Adsorption Properties of Metal-Organic Frameworks through Coadsorbed Ammonia. ACS Applied Materials & Interfaces, 2021, 13, 43661-43667.	4.0	6
39	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. Angewandte Chemie, 2019, 131, 16835-16843.	1.6	4
40	A Series of Mesoporous Rare-Earth Metal-Organic Frameworks Constructed from Organic Secondary Building Units. Angewandte Chemie, 2021, 133, 2081-2085.	1.6	1
41	Bifunctionalized Metal-Organic Frameworks for Pore-Size-Dependent Enantioselective Sensing. Angewandte Chemie, 0, , .	1.6	1
42	Metal-Organic Frameworks: Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization (Adv. Sci. 23/2019). Advanced Science, 2019, 6, 1970141.	5.6	0
43	Titelbild: A $\{Ni_{12}\}$ -Wheel-Based Metal-Organic Framework for Coordinative Binding of Sulphur Dioxide and Nitrogen Dioxide (Angew. Chem. 6/2022). Angewandte Chemie, 2022, 134, .	1.6	0