

Liang Feng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58 papers	4,334 citations	29 h-index	62 g-index
62 ext. papers	5,810 ext. citations	15.8 avg, IF	6.08 L-index

#	Paper	IF	Citations
58	Active mechanisorption driven by pumping cassettes. <i>Science</i> , 2021 , 374, 1215-1221	33.3	15
57	Site-Isolated Azobenzene-Containing Metal-Organic Framework for Cyclopalladated Catalyzed Suzuki-Miyaura Coupling in Flow. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	4
56	Metal-Organic Frameworks as Versatile Platforms for Organometallic Chemistry. <i>Inorganics</i> , 2021 , 9, 27	2.9	2
55	Morphology Transcription in Hierarchical MOF-on-MOF Architectures 2021 , 3, 738-743		2
54	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	16.4	19
53	A Series of Mesoporous Rare-Earth Metal-Organic Frameworks Constructed from Organic Secondary Building Units. <i>Angewandte Chemie</i> , 2021 , 133, 2081-2085	3.6	0
52	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	16.4	23
51	Tuning the Adsorption Properties of Metal-Organic Frameworks through Coadsorbed Ammonia. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 43661-43667	9.5	2
50	Thermally Activated Adsorption in Metal-Organic Frameworks with a Temperature-Tunable Diffusion Barrier Layer. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18468-18472	16.4	5
49	Thermally Activated Adsorption in Metal-Organic Frameworks with a Temperature-Tunable Diffusion Barrier Layer. <i>Angewandte Chemie</i> , 2020 , 132, 18626-18630	3.6	
48	Optimizing Multivariate Metal-Organic Frameworks for Efficient CH ₄ /CO Separation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8728-8737	16.4	129
47	Hierarchy in Metal-Organic Frameworks. <i>ACS Central Science</i> , 2020 , 6, 359-367	16.8	65
46	Rapid Generation of Hierarchically Porous Metal-Organic Frameworks through Laser Photolysis. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 11349-11354	16.4	28
45	Rapid Generation of Hierarchically Porous Metal-Organic Frameworks through Laser Photolysis. <i>Angewandte Chemie</i> , 2020 , 132, 11445-11450	3.6	5
44	Porous Crystalline Spherulite Superstructures. <i>Chem</i> , 2020 , 6, 460-471	16.2	14
43	Catalytic Porphyrin Framework Compounds. <i>Trends in Chemistry</i> , 2020 , 2, 555-568	14.8	44
42	An Encapsulation-Rearrangement Strategy to Integrate Superhydrophobicity into Mesoporous Metal-Organic Frameworks. <i>Matter</i> , 2020 , 2, 988-999	12.7	19

41	Continuous Variation of Lattice Dimensions and Pore Sizes in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4732-4738	16.4	41
40	Modular Total Synthesis in Reticular Chemistry. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3069-3076	16.4	24
39	Hierarchically porous metal-organic frameworks: synthetic strategies and applications. <i>National Science Review</i> , 2020 , 7, 1743-1758	10.8	61
38	Seed-mediated evolution of hierarchical metal-organic framework quaternary superstructures. <i>Chemical Science</i> , 2020 , 11, 1643-1648	9.4	24
37	Rapid desolvation-triggered domino lattice rearrangement in a metal-organic framework. <i>Nature Chemistry</i> , 2020 , 12, 90-97	17.6	60
36	Strategies for Pore Engineering in Zirconium Metal-Organic Frameworks. <i>Chem</i> , 2020 , 6, 2902-2923	16.2	25
35	Destruction of Metal-Organic Frameworks: Positive and Negative Aspects of Stability and Lability. <i>Chemical Reviews</i> , 2020 , 120, 13087-13133	68.1	105
34	Porous Ti-MOF-74 Framework as a Strong-Binding Nitric Oxide Scavenger. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16562-16568	16.4	12
33	Metal-Organic Frameworks Based on Group 3 and 4 Metals. <i>Advanced Materials</i> , 2020 , 32, e2004414	24	31
32	Multielectron transportation of polyoxometalate-grafted metalloporphyrin coordination frameworks for selective CO-to-CH photoconversion. <i>National Science Review</i> , 2020 , 7, 53-63	10.8	67
31	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16682-16690	16.4	29
30	Imprinted Apportionment of Functional Groups in Multivariate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14524-14529	16.4	25
29	Controllable Synthesis of Metal-Organic Frameworks and Their Hierarchical Assemblies. <i>Matter</i> , 2019 , 1, 801-824	12.7	96
28	Metal-Organic Frameworks: Photosensitizer-Anchored 2D MOF Nanosheets as Highly Stable and Accessible Catalysts toward Artemisinin Production (Adv. Sci. 11/2019). <i>Advanced Science</i> , 2019 , 6, 1970064	12.6	1
27	Modular Programming of Hierarchy and Diversity in Multivariate Polymer/Metal-Organic Framework Hybrid Composites. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10342-10349	16.4	27
26	Discovery of precise pH-controlled biomimetic catalysts: defective zirconium metal-organic frameworks as alkaline phosphatase mimics. <i>Nanoscale</i> , 2019 , 11, 11270-11278	7.7	14
25	Porphyritic Metal-Organic Frameworks Installed with Brønsted Acid Sites for Efficient Tandem Semisynthesis of Artemisinin. <i>ACS Catalysis</i> , 2019 , 9, 5111-5118	13.1	66
24	Reactivity of Atomic Layer Deposition Precursors with OH/H ₂ O-Containing Metal Organic Framework Materials. <i>Chemistry of Materials</i> , 2019 , 31, 2286-2295	9.6	11

23	Temperature-Controlled Evolution of Nanoporous MOF Crystallites into Hierarchically Porous Superstructures. <i>Chem</i> , 2019 , 5, 1265-1274	16.2	58
22	Photosensitizer-Anchored 2D MOF Nanosheets as Highly Stable and Accessible Catalysts toward Artemisinin Production. <i>Advanced Science</i> , 2019 , 6, 1802059	13.6	60
21	Maximizing Photoresponsive Efficiency by Isolating Metal-Organic Polyhedra into Confined Nanoscaled Spaces. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8221-8227	16.4	41
20	Biological Antagonism Inspired Detoxification: Removal of Toxic Elements by Porous Polymer Networks. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 14383-14390	9.5	13
19	Lattice Expansion and Contraction in Metal-Organic Frameworks by Sequential Linker Reinstallation. <i>Matter</i> , 2019 , 1, 156-167	12.7	45
18	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	16.4	96
17	The chemistry of multi-component and hierarchical framework compounds. <i>Chemical Society Reviews</i> , 2019 , 48, 4823-4853	58.5	131
16	High stability of ultra-small and isolated gold nanoparticles in metal-organic framework materials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 17536-17546	13	18
15	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2019 , 131, 16835-16843	3.6	3
14	Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization. <i>Advanced Science</i> , 2019 , 6, 1901855	13.6	13
13	Metal-Organic Frameworks: Uncovering Structural Opportunities for Zirconium Metal-Organic Frameworks via Linker Desymmetrization (Adv. Sci. 23/2019). <i>Advanced Science</i> , 2019 , 6, 1970141	13.6	78
12	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2018 , 130, 5189-5193	3.6	16
11	Retrosynthesis of multi-component metal-organic frameworks. <i>Nature Communications</i> , 2018 , 9, 808	17.4	122
10	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5095-5099	16.4	103
9	Creating Hierarchical Pores by Controlled Linker Thermolysis in Multivariate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2363-2372	16.4	200
8	Stable Metal-Organic Frameworks: Design, Synthesis, and Applications. <i>Advanced Materials</i> , 2018 , 30, e1704303	24	1138
7	Exposed Equatorial Positions of Metal Centers via Sequential Ligand Elimination and Installation in MOFs. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10814-10819	16.4	50
6	Recyclable and Reusable Heteroleptic Nickel Catalyst Immobilized on Metal-Organic Framework for Suzuki-Miyaura Coupling. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41431-41438	9.5	31

5	Enhanced Separation of Butane Isomers via Defect Control in a Fumarate/Zirconium-Based Metal Organic Framework. <i>Langmuir</i> , 2018 , 34, 14546-14551	4	30
4	Uncovering Two Principles of Multivariate Hierarchical Metal-Organic Framework Synthesis via Retrosynthetic Design. <i>ACS Central Science</i> , 2018 , 4, 1719-1726	16.8	57
3	From fundamentals to applications: a toolbox for robust and multifunctional MOF materials. <i>Chemical Society Reviews</i> , 2018 , 47, 8611-8638	58.5	656
2	Stable Metal-Organic Frameworks: Stable Metal-Organic Frameworks: Design, Synthesis, and Applications (Adv. Mater. 37/2018). <i>Advanced Materials</i> , 2018 , 30, 1870277	24	33
1	Construction of hierarchically porous metal-organic frameworks through linker labilization. <i>Nature Communications</i> , 2017 , 8, 15356	17.4	247