

# Honghan Fei

## List of Publications by Year in descending order

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67  
papers

5,251  
citations

147801

31  
h-index

106344

65  
g-index

70  
all docs

70  
docs citations

70  
times ranked

6089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Postsynthetic Ligand and Cation Exchange in Robust Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2012, 134, 18082-18088.	13.7	702
2	Enhanced Photochemical Hydrogen Production by a Molecular Diiron Catalyst Incorporated into a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2013, 135, 16997-17003.	13.7	501
3	Photocatalytic CO <sub>2</sub> Reduction to Formate Using a Mn(I) Molecular Catalyst in a Robust Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2015, 54, 6821-6828.	4.0	293
4	Reusable Oxidation Catalysis Using Metal-Monocatecholato Species in a Robust Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2014, 136, 4965-4973.	13.7	264
5	Reversible Anion Exchange and Catalytic Properties of Two Cationic Metal-Organic Frameworks Based on Cu(I) and Ag(I). <i>Journal of the American Chemical Society</i> , 2010, 132, 7202-7209.	13.7	260
6	A New Paradigm for Anion Trapping in High Capacity and Selectivity: Crystal-to-Crystal Transformation of Cationic Materials. <i>Journal of the American Chemical Society</i> , 2011, 133, 11110-11113.	13.7	245
7	Metalation of a Thiocatechol-Functionalized Zr(IV)-Based Metal-Organic Framework for Selective C-H Functionalization. <i>Journal of the American Chemical Society</i> , 2015, 137, 2191-2194.	13.7	234
8	Tandem Postsynthetic Metal Ion and Ligand Exchange in Zeolitic Imidazolate Frameworks. <i>Inorganic Chemistry</i> , 2013, 52, 4011-4016.	4.0	209
9	A robust, catalytic metal-organic framework with open 2,2'-bipyridine sites. <i>Chemical Communications</i> , 2014, 50, 4810-4812.	4.1	199
10	A Robust Sulfonate-Based Metal-Organic Framework with Permanent Porosity for Efficient CO <sub>2</sub> Capture and Conversion. <i>Chemistry of Materials</i> , 2016, 28, 6276-6281.	6.7	180
11	Functionalization of Metal-Organic Frameworks for Photoactive Materials. <i>Advanced Materials</i> , 2018, 30, e1705634.	21.0	133
12	A Cationic Metal-Organic Solid Solution Based on Co(II) and Zn(II) for Chromate Trapping. <i>Chemistry of Materials</i> , 2013, 25, 647-652.	6.7	132
13	Unusual Missing Linkers in an Organosulfonate-Based Primitive-Cubic (pcu)-Type Metal-Organic Framework for CO <sub>2</sub> Capture and Conversion under Ambient Conditions. <i>ACS Catalysis</i> , 2018, 8, 2519-2525.	11.2	125
14	Photocatalytic CO <sub>2</sub> reduction using visible light by metal-monocatecholato species in a metal-organic framework. <i>Chemical Communications</i> , 2015, 51, 16549-16552.	4.1	119
15	Intrinsic Broadband White-Light Emission from Ultrastable, Cationic Lead Halide Layered Materials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14411-14416.	13.8	115
16	Development of a UiO-Type Thin Film Electrocatalysis Platform with Redox-Active Linkers. <i>Journal of the American Chemical Society</i> , 2018, 140, 2985-2994.	13.7	113
17	Overall photocatalytic water splitting by an organolead iodide crystalline material. <i>Nature Catalysis</i> , 2020, 3, 1027-1033.	34.4	113
18	Functionalization of robust Zr(IV)-based metal-organic framework films via a postsynthetic ligand exchange. <i>Chemical Communications</i> , 2015, 51, 66-69.	4.1	107

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19	Nâ€Heterocyclic Carbeneâ€Stabilized Ultrasmall Gold Nanoclusters in a Metalâ€Organic Framework for Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17388-17393.	13.8	83
20	Intrinsic Whiteâ€Lightâ€Emitting Metalâ€Organic Frameworks with Structurally Deformable Secondary Building Units. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7818-7822.	13.8	79
21	Structural dynamics inside a functionalized metalâ€organic framework probed by ultrafast 2D IR spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18442-18447.	7.1	76
22	In Situ Generation of an Nâ€Heterocyclic Carbene Functionalized Metalâ€Organic Framework by Postsynthetic Ligand Exchange: Efficient and Selective Hydrosilylation of CO <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2844-2849.	13.8	73
23	Efficient and selective electrochemical reduction of nitrate to N <sub>2</sub> by relay catalytic effects of Fe-Ni bimetallic sites on MOF-derived structure. <i>Applied Catalysis B: Environmental</i> , 2022, 301, 120829.	20.2	68
24	Copper Hydroxide Ethanedisulfonate: A Cationic Inorganic Layered Material for Highâ€Capacity Anion Exchange. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9066-9070.	13.8	60
25	Ultrastable, cationic three-dimensional lead bromide frameworks that intrinsically emit broadband white-light. <i>Chemical Science</i> , 2018, 9, 1627-1633.	7.4	56
26	Robust, Cationic Lead Halide Layered Materials with Efficient Broadband White-Light Emission. <i>Chemistry of Materials</i> , 2019, 31, 3909-3916.	6.7	55
27	Anion Exchange of the Cationic Layered Material [Pb <sub>2</sub> F <sub>2</sub> ] <sup>2+</sup> . <i>Journal of the American Chemical Society</i> , 2012, 134, 10729-10732.	13.7	49
28	An alkaline-resistant Ag( <i>scpi</i> )-anchored pyrazolate-based metalâ€organic framework for chemical fixation of CO <sub>2</sub> . <i>Chemical Communications</i> , 2018, 54, 4469-4472.	4.1	48
29	Synthesis, Characterization, and Catalytic Application of a Cationic Metalâ€Organic Framework: Ag <sub>2</sub> (4,4â€-bipy) <sub>2</sub> (O <sub>3</sub> SCH <sub>2</sub> CH <sub>2</sub> SO <sub>3</sub> ) <sub>7</sub> . <i>Chemistry of Materials</i> , 2010, 22, 2027-2032.		45
30	Missing metal-linker connectivities in a 3-D robust sulfonate-based metalâ€organic framework for enhanced proton conductivity. <i>Chemical Communications</i> , 2017, 53, 4156-4159.	4.1	42
31	Exfoliation of a two-dimensional cationic inorganic network as a new paradigm for high-capacity Cr <sup>VI</sup> -anion capture. <i>Chemical Communications</i> , 2017, 53, 7064-7067.	4.1	37
32	Hydrothermal Synthesis of Two Cationic Bismuthate Clusters: An Alkylenedisulfonate Bridged Hexamer, [Bi <sub>6</sub> O <sub>4</sub> (OH) <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ][(CH <sub>2</sub> ) <sub>2</sub> (SO <sub>3</sub> ) <sub>3</sub> ] and a Rare Nonamer Templated by Triflate, [Bi <sub>9</sub> O <sub>8</sub> (OH) <sub>6</sub> ][CF <sub>3</sub> SO <sub>3</sub> ] <sub>5</sub> . <i>Inorganic Chemistry</i> , 2010, 49, 5619-5624.	4.0	30
33	UiO-type metalâ€organic frameworks with NHC or metalâ€NHC functionalities for <i>N</i> -methylation using CO <sub>2</sub> as the carbon source. <i>Chemical Communications</i> , 2019, 55, 11928-11931.	4.1	28
34	An ultrastable metalâ€organic material emits efficient and broadband bluish white-light emission for luminescent thermometers. <i>Chemical Communications</i> , 2019, 55, 1702-1705.	4.1	26
35	Polymer-Templated Nanospider TiO <sub>2</sub> Thin Films for Efficient Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 974-979.	8.0	25
36	In Situ Generation of an Nâ€Heterocyclic Carbene Functionalized Metalâ€Organic Framework by Postsynthetic Ligand Exchange: Efficient and Selective Hydrosilylation of CO <sub>2</sub> . <i>Angewandte Chemie</i> , 2019, 131, 2870-2875.	2.0	25

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37	Enhanced Electrocatalytic Oxygen Evolution by Exfoliation of a Metal-Organic Framework Containing Cationic One-Dimensional $[\text{Co}_4(\text{OH})_6]^{6+}$ Chains. ACS Applied Energy Materials, 2018, 1, 2446-2451.	5.1	19
38	Polymer Gel Templating of Free-Standing Inorganic Monoliths for Photocatalysis. Langmuir, 2009, 25, 5835-5839.	3.5	18
39	A generic and facile strategy to fabricate metal-organic framework films on $\text{TiO}_2$ substrates for photocatalysis. Dalton Transactions, 2017, 46, 2751-2755.	3.3	18
40	Fabrication of Robust and Porous Lead Chloride-Based Metal-Organic Frameworks toward a Selective and Sensitive Smart $\text{NH}_3$ Sensor. ACS Applied Materials & Interfaces, 2021, 13, 52765-52774.	8.0	18
41	Intrinsic Broadband White-Light Emission from Ultrastable, Cationic Lead Halide Layered Materials. Angewandte Chemie, 2017, 129, 14603-14608.	2.0	16
42	Efficient and Stable Self-Trapped Blue Emission from a 1D Organolead Chloride Crystalline Material. Advanced Optical Materials, 2022, 10, .	7.3	16
43	Two cationic metal-organic frameworks based on cadmium and $\text{I}^{\pm}$ -alkanedisulfonate anions and their photoluminescent properties. Dalton Transactions, 2010, 39, 11193.	3.3	15
44	Highly Efficient Self-Trapped Bluish White-Light Emission from $[\text{Pb}_4\text{Cl}_5]^{3+}$ Nodes in a Moisture-Tolerant Metal-Organic Framework. CCS Chemistry, 2022, 4, 540-547.	7.8	14
45	Characterization of core-shell MOF particles by depth profiling experiments using on-line single particle mass spectrometry. Analyst, The, 2015, 140, 1510-1515.	3.5	12
46	Erbium Hydroxide Ethanedisulfonate: A Cationic Layered Material with Organic Anion Exchange Capability. Inorganic Chemistry, 2015, 54, 3883-3888.	4.0	12
47	Isomorphous Lanthanide Metal-Organic Frameworks Based on Biphenyldicarboxylate: Synthesis, Structure, and Photoluminescent Properties. Crystal Growth and Design, 2019, 19, 4854-4859.	3.0	12
48	Enhanced intrinsic white-light emission upon near-UV excitation by crystal engineering of cationic lead bromide layered materials. Journal of Materials Chemistry C, 2019, 7, 7090-7095.	5.5	12
49	A moisture-stable organosulfonate-based metal-organic framework with intrinsic self-trapped white-light emission. Chemical Communications, 2020, 56, 1325-1328.	4.1	12
50	Synthesis and Applications of Porous Organosulfonate-Based Metal-Organic Frameworks. Topics in Current Chemistry, 2019, 377, 32.	5.8	11
51	Intrinsic White-Light-Emitting Metal-Organic Frameworks with Structurally Deformable Secondary Building Units. Angewandte Chemie, 2019, 131, 7900-7904.	2.0	10
52	Efficient, broadband self-trapped white-light emission from haloplumbate-based metal-organic frameworks. Chemical Communications, 2020, 56, 10078-10081.	4.1	10
53	N-heterocyclic carbene-functionalized metal-organic frameworks for the chemical fixation of $\text{CO}_2$ . Dalton Transactions, 2020, 49, 6548-6552.	3.3	10
54	A Cationic Antimonite Chain Templated by Sulfate: $[\text{Sb}_6\text{O}_7]^{4+}[(\text{SO}_4)_2]$ . Inorganic Chemistry, 2012, 51, 8655-8657.	4.0	9

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55	Structural diversity of four lanthanide metal-organic frameworks based on 2,6-naphthalenedicarboxylate: synthesis, structures and photoluminescent properties. CrystEngComm, 2021, 23, 1388-1397.	2.6	9
56	Preparation and properties of Eu <sup>2+</sup> -activated alkaline-earth phosphosilicate phosphors. Solid State Communications, 2008, 148, 186-189.	1.9	6
57	Cationic two-dimensional inorganic networks of antimony oxide hydroxide for Lewis acid catalysis. Dalton Transactions, 2018, 47, 4054-4058.	3.3	6
58	Isorecticular Postsynthetic Modification of Robust Organocopper(I) Halide Hybrids for Enhanced Broad-Band Emission and Turn-On NH <sub>3</sub> Sensing. Chemistry of Materials, 2022, 34, 4403-4413.	6.7	6
59	Intrinsic self-trapped broadband emission from zinc halide-based metal-organic frameworks. Chemical Communications, 2021, 57, 1396-1399.	4.1	5
60	Ge-Modified GaN/ZnO wurtzite solid solutions with high Zn content for efficient photocatalytic H <sub>2</sub> evolution from water under visible light illumination. Inorganic Chemistry Frontiers, 2020, 7, 3443-3447.	6.0	4
61	N-heterocyclic Carbene-stabilized Ultrasmall Gold Nanoclusters in a Metal-Organic Framework for Photocatalytic CO <sub>2</sub> Reduction. Angewandte Chemie, 2021, 133, 17528-17533.	2.0	4
62	Synthesis and magnetic properties of a 3-D nickel hydroxide capped by succinate. Journal of Materials Chemistry C, 2013, 1, 1099-1104.	5.5	2
63	Precise incorporation of transition metals into organolead oxyhalide crystalline materials for photocatalysis. Dalton Transactions, 2021, 50, 11360-11364.	3.3	1
64	Efficient and reusable catalysis of benzylic C-H oxidation over layered [Co <sub>5</sub> (OH) <sub>6</sub> ] <sup>4+</sup> derivatives. Chemical Communications, 2022, 58, 8444-8447.	4.1	1
65	Solid-state dye-sensitized solar cells from polymer-templated TiO <sub>2</sub> bilayer thin films. Canadian Journal of Chemistry, 2012, 90, 1048-1055.	1.1	0
66	UiO-Type Metal-Organic Framework Thin Film with Redox-Active Linkers: Development and Charge Transport Behavior. ECS Meeting Abstracts, 2019, , .	0.0	0
67	UiO-Type Metal-Organic Framework Thin Film with Redox-Active Linkers: Development and Charge Transport Behavior. ECS Meeting Abstracts, 2019, , .	0.0	0