Sun Fuxing

List of Publications by Year
in descending order

65	4,280	101384 36	106150 65
papers	citations	h-index	g-index

66	66	66	5106
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	From metalâ€“organic framework (MOF) to MOFâ€“polymer composite membrane: enhancement of low-humidity proton conductivity. Chemical Science, 2013, 4, 983-992.	3.7	329
2	A Stable Metalâ€“Organic Framework Featuring a Local Buffer Environment for Carbon Dioxide Fixation. Angewandte Chemie - International Edition, 2018, 57, 4657-4662.	7.2	283
3	Hydrogen Selective NH₂â€MILâ€53(Al) MOF Membranes with High Permeability. Advanced Functional Materials, 2012, 22, 3583-3590.	7.8	254
4	Construction of Thermophilic Lipase-Embedded Metalâ€“Organic Frameworks via Biomimetic Mineralization: A Biocatalyst for Ester Hydrolysis and Kinetic Resolution. ACS Applied Materials & Interfaces, 2016, 8, 24517-24524.	4.0	197
5	A porous metalâ€“organic framework formed by a V-shaped ligand and Zn(<scp>ii</scp>) ion with highly selective sensing for nitroaromatic explosives. Journal of Materials Chemistry A, 2015, 3, 16598-16603.	5.2	158
6	Targeted synthesis of a porous aromatic framework with a high adsorption capacity for organic molecules. Journal of Materials Chemistry, 2011, 21, 13498.	6.7	146
7	In situ growth of continuous thin metalâ€“organic framework film for capacitive humidity sensing. Journal of Materials Chemistry, 2011, 21, 3775.	6.7	145
8	Synthesis of a porous aromatic framework for adsorbing organic pollutants application. Journal of Materials Chemistry, 2011, 21, 10348.	6.7	138
9	Porous aromatic frameworks with anion-templated pore apertures serving as polymeric sieves. Nature Communications, 2014, 5, 4260.	5.8	132
10	A bifunctional metalâ€“organic framework featuring the combination of open metal sites and Lewis basic sites for selective gas adsorption and heterogeneous cascade catalysis. Journal of Materials Chemistry A, 2016, 4, 15240-15246.	5.2	120
11	Acid degradable ZnO quantum dots as a platform for targeted delivery of an anticancer drug. Journal of Materials Chemistry, 2011, 21, 13406.	6.7	116
12	Dual luminescent covalent organic frameworks for nitro-explosive detection. Journal of Materials Chemistry A, 2019, 7, 27148-27155.	5.2	108
13	An Exceptionally Stable Tb^{III}-Based Metalâ€“Organic Framework for Selectively and Sensitively Detecting Antibiotics in Aqueous Solution. Inorganic Chemistry, 2019, 58, 7746-7753.	1.9	105
14	Post-metalation of porous aromatic frameworks for highly efficient carbon capture from CO₂ + N₂ and CH₄ + N₂ mixtures. Polymer Chemistry, 2014, 5, 144-152.	1.9	101
15	Novel lithium-loaded porous aromatic framework for efficient CO₂and H₂uptake. Journal of Materials Chemistry A, 2013, 1, 752-758.	5.2	88
16	An acid-stable hexaphosphate ester based metalâ€“organic framework and its polymer composite as proton exchange membrane. Journal of Materials Chemistry A, 2017, 5, 12943-12950.	5.2	87
17	A Molecular Coordination Template Strategy for Designing Selective Porous Aromatic Framework Materials for Uranyl Capture. ACS Central Science, 2019, 5, 1432-1439.	5.3	86
18	Two 3D Metalâ€“Organic Frameworks Based on Co^{II} and Zn^{II} Clusters for Knoevenagel Condensation Reaction and Highly Selective Luminescence Sensing. Crystal Growth and Design, 2018, 18, 5573-5581.	1.4	84

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19	Microwave-assisted crystallization inclusion of spiropyran molecules in indium trimesate films with antidromic reversible photochromism. Journal of Materials Chemistry, 2012, 22, 25019.	6.7	77
20	Imparting surface hydrophobicity to metalâ€“organic frameworks using a facile solution-immersion process to enhance water stability for CO₂capture. Nanoscale, 2017, 9, 2003-2008.	2.8	77
21	Challenging fabrication of hollow ceramic fiber supported Cu3(BTC)2 membrane for hydrogen separation. Journal of Materials Chemistry, 2012, 22, 10322.	6.7	75
22	Design and Construction of a Metalâ€“Organic Framework as an Efficient Luminescent Sensor for Detecting Antibiotics. Inorganic Chemistry, 2020, 59, 1323-1331.	1.9	72
23	Porous aromatic framework with mesopores as a platform for a super-efficient heterogeneous Pd-based organometallic catalysis. Chemical Science, 2018, 9, 3523-3530.	3.7	71
24	A Versatile Microporous Zinc(II) Metalâ€“Organic Framework for Selective Gas Adsorption, Cooperative Catalysis, and Luminescent Sensing. Inorganic Chemistry, 2018, 57, 7314-7320.	1.9	69
25	Construction of Porous Aromatic Frameworks with Exceptional Porosity via Building Unit Engineering. Advanced Materials, 2018, 30, e1804169.	11.1	66
26	An Amino-Coordinated Metalâ€“Organic Framework for Selective Gas Adsorption. Inorganic Chemistry, 2017, 56, 6938-6942.	1.9	61
27	Reticular Synthesis of a Series of HKUST-like MOFs with Carbon Dioxide Capture and Separation. Inorganic Chemistry, 2016, 55, 9071-9076.	1.9	58
28	A highly robust metalâ€“organic framework based on an aromatic 12-carboxyl ligand with highly selective adsorption of CO₂ over CH₄. Chemical Communications, 2015, 51, 9463-9466.	2.2	56
29	Sensitive detection of hazardous explosives via highly fluorescent crystalline porous aromatic frameworks. Journal of Materials Chemistry, 2012, 22, 24558.	6.7	54
30	Solvent-Induced Single Crystal To Single Crystal Transformation and Complete Metal Exchange of a Pyrene-Based Metalâ€“Organic Framework. Crystal Growth and Design, 2014, 14, 1738-1743.	1.4	51
31	Growth of large single MOF crystals and effective separation of organic dyes. CrystEngComm, 2013, 15, 4094.	1.3	50
32	Single- and Double-Layer Structures and Sorption Properties of Two Microporous Metalâ€“Organic Frameworks with Flexible Tritopic Ligand. Crystal Growth and Design, 2013, 13, 1458-1463.	1.4	42
33	Coupling fullerene into porous aromatic frameworks for gas selective sorption. Chemical Science, 2016, 7, 3751-3756.	3.7	42
34	Fluorescent Dodecapus in 3D Framework. Crystal Growth and Design, 2014, 14, 4258-4261.	1.4	41
35	Syntheses, structures and luminescence properties of three metalâ€“organic frameworks based on 5-(4-(2H-tetrazol-5-yl)phenoxy)isophthalic acid. CrystEngComm, 2014, 16, 339-343.	1.3	39
36	Four new metalâ€“organic frameworks based on bi-, tetra-, penta-, and hexa-nuclear clusters derived from 5-(phenyldiazenyl)isophthalic acid: syntheses, structures and properties. CrystEngComm, 2015, 17, 1201-1209.	1.3	39

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37	An Anionic Indiumâ€“Organic Framework with Spirobifluorene-Based Ligand for Selective Adsorption of Organic Dyes. Inorganic Chemistry, 2021, 60, 1571-1578.	1.9	39
38	Facile Synthesis of Ultrastable Porous Aromatic Frameworks by Suzukiâ€“Miyaura Coupling Reaction for Adsorption Removal of Organic Dyes. Chemistry - A European Journal, 2019, 25, 3903-3908.	1.7	38
39	A Double-Walled Porous Metalâ€“Organic Framework as a Highly Efficient Catalyst for Chemical Fixation of CO₂ with Epoxides. Inorganic Chemistry, 2019, 58, 15637-15643.	1.9	37
40	A Stable Metalâ€“Organic Framework Featuring a Local Buffer Environment for Carbon Dioxide Fixation. Angewandte Chemie, 2018, 130, 4747-4752.	1.6	32
41	Growth of preferential orientation of MIL-53(Al) film as nano-assembler. CrystEngComm, 2012, 14, 5487.	1.3	30
42	Size, Shape, and Porosity Control of Medi-MOF-1 via Growth Modulation under Microwave Heating. Crystal Growth and Design, 2019, 19, 889-895.	1.4	29
43	Three novel zinc(<scp>ii</scp>) metalâ€“organic frameworks based on three tetrazolate ligands: synthesis, structures and photoluminescence. RSC Advances, 2014, 4, 21535-21540.	1.7	28
44	Pd(II)-Catalyzed ortho-Câ€“H Olefination/Dearomatization of N-Aryl Ureas: An Approach to Imine Derivatives. Organic Letters, 2016, 18, 1426-1429.	2.4	28
45	Facile synthesis of a continuous thin Cu(bipy)2(SiF6) membrane with selectivity towards hydrogen. Journal of Materials Chemistry A, 2013, 1, 11438.	5.2	27
46	Facile synthesis of ZIF-8 nanocrystals in eutectic mixture. CrystEngComm, 2012, 14, 8365.	1.3	25
47	Novel Pyrene-Based Anionic Metalâ€“Organic Framework for Efficient Organic Dye Elimination. Crystal Growth and Design, 2017, 17, 2453-2457.	1.4	25
48	Fabrication of Crystalline Microporous Membrane from 2D MOF Nanosheets for Gas Separation. Chemistry - an Asian Journal, 2020, 15, 2371-2378.	1.7	24
49	Trigonal prism or octahedron: the conformational change of a dendritic six-node ligand in MOFs. Journal of Materials Chemistry A, 2013, 1, 10112.	5.2	20
50	Porous aromatic framework (PAF-1) as hyperstable platform for enantioselective organocatalysis. Science China Materials, 2019, 62, 194-202.	3.5	19
51	Interfacial growth of 2D MOF membranes <i>via</i> contra-diffusion for CO₂ separation. Materials Chemistry Frontiers, 2021, 5, 5150-5157.	3.2	19
52	Two flexible cationic metal-organic frameworks with remarkable stability for CO2/CH4 separation. Nano Research, 2021, 14, 3288-3293.	5.8	15
53	Imine-linked porous aromatic frameworks based on spirobifluorene building blocks for CO2 separation. Microporous and Mesoporous Materials, 2022, 334, 111779.	2.2	15
54	Fabrication of zeolite MFI membranes supported by Î±-Al₂O₃ hollow ceramic fiï¬bers for CO₂ separation. Journal of Materials Research, 2013, 28, 1870-1876.	1.2	12

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55	Single-Electron Oxidation/Alterable C3- and C10-Arylation of 9-MeO-phenanthrene. Organic Letters, 2018, 20, 3591-3595.	2.4	10
56	A Highly Crystalline Fluoreneâ€Based Porous Organic Framework with High Photoluminescence Quantum Yield. Macromolecular Rapid Communications, 2019, 40, e1900060.	2.0	10
57	Proton conducting in a new vanadoborate with 3D structure through hydrogen bonding. Journal of Alloys and Compounds, 2020, 816, 152505.	2.8	10
58	Synthesis and characterization of germanium-centered three-dimensional crystalline porous aromatic framework. Journal of Materials Research, 2012, 27, 1417-1420.	1.2	8
59	Synthesis, structure and properties of two new coordination polymers based on 4-[(8-hydroxy-5-quinolinyl)azo]-benzenesulfonic acid. Chemical Research in Chinese Universities, 2014, 30, 27-31.	1.3	8
60	Efficient proton conductivity of a novel 3D open-framework vanadoborate with [V₆B₂₀] architectures. Dalton Transactions, 2021, 50, 3240-3246.	1.6	8
61	Novel porous aromatic framework with excellent separation capability of CO2 in N2 or CH4. Chemical Research in Chinese Universities, 2014, 30, 1018-1021.	1.3	4
62	Proton-Conducting Vanadoborate with New [V₁₀B₂₆] Clusters. Crystal Growth and Design, 2022, 22, 1824-1830.	1.4	4
63	Pentanuclear clusters resembling the cubane-dangler connectivity in the native oxygen-evolving center of photosystem II. Chemical Communications, 2021, 57, 113-116.	2.2	3
64	Manganese-promoted cleavage of acetylacetonate resembling the Î²-diketone cleaving dioxygenase (Dke1) reactivity. Chemical Communications, 2021, 57, 9462-9465.	2.2	1
65	Facile Synthesis of MILâ€68(In) Films with Controllable Morphology. European Journal of Inorganic Chemistry, 2012, 2012, 0-0.	1.0	0