

Jun-sheng Qin

List of Publications by Year in descending order

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8,947
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47006

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docs citations

92
times ranked

8450
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in porous polyoxometalate-based metal-organic framework materials. <i>Chemical Society Reviews</i> , 2014, 43, 4615-4632.	38.1	845
2	Ultrastable Polymolybdate-Based Metal-Organic Frameworks as Highly Active Electrocatalysts for Hydrogen Generation from Water. <i>Journal of the American Chemical Society</i> , 2015, 137, 7169-7177.	13.7	584
3	Effect of Imidazole Arrangements on Proton-Conductivity in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 6183-6189.	13.7	436
4	Stable Metal-Organic Frameworks with Group 4 Metals: Current Status and Trends. <i>ACS Central Science</i> , 2018, 4, 440-450.	11.3	382
5	Construction of hierarchically porous metal-organic frameworks through linker labilization. <i>Nature Communications</i> , 2017, 8, 15356.	12.8	326
6	Sequential Linker Installation: Precise Placement of Functional Groups in Multivariate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2015, 137, 3177-3180.	13.7	323
7	Linker Installation: Engineering Pore Environment with Precisely Placed Functionalities in Zirconium MOFs. <i>Journal of the American Chemical Society</i> , 2016, 138, 8912-8919.	13.7	278
8	N-rich zeolite-like metal-organic framework with sodalite topology: high CO ₂ uptake, selective gas adsorption and efficient drug delivery. <i>Chemical Science</i> , 2012, 3, 2114.	7.4	277
9	A Fluorescent Sensor for Highly Selective Detection of Nitroaromatic Explosives Based on a 2D, Extremely Stable, Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2014, 20, 3589-3594.	3.3	271
10	A single crystalline porphyrinic titanium metal-organic framework. <i>Chemical Science</i> , 2015, 6, 3926-3930.	7.4	236
11	Thermodynamically Guided Synthesis of Mixed-Linker Zr-MOFs with Enhanced Tunability. <i>Journal of the American Chemical Society</i> , 2016, 138, 6636-6642.	13.7	232
12	[Ti ₈ Zr ₂ O ₁₂ (COO) ₁₆] Cluster: An Ideal Inorganic Building Unit for Photoactive Metal-Organic Frameworks. <i>ACS Central Science</i> , 2018, 4, 105-111.	11.3	204
13	Stable Luminescent Metal-Organic Frameworks as Dual-Functional Materials To Encapsulate Ln ³⁺ Ions for White-Light Emission and To Detect Nitroaromatic Explosives. <i>Inorganic Chemistry</i> , 2015, 54, 3290-3296.	4.0	196
14	Cooperative Cluster Metalation and Ligand Migration in Zirconium Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14696-14700.	13.8	169
15	Mixed-linker strategy for the construction of multifunctional metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4280-4291.	10.3	163
16	Self-Assembly of 2D ⁺ 2D Interpenetrating Coordination Polymers Showing Polyrotaxane- and Polycatenane-like Motifs: Influence of Various Ligands on Topological Structural Diversity. <i>Inorganic Chemistry</i> , 2008, 47, 10600-10610.	4.0	162
17	Retrosynthesis of multi-component metal-organic frameworks. <i>Nature Communications</i> , 2018, 9, 808.	12.8	159
18	A Microporous Anionic Metal-Organic Framework for Sensing Luminescence of Lanthanide(III) Ions and Selective Absorption of Dyes by Ionic Exchange. <i>Chemistry - A European Journal</i> , 2014, 20, 5625-5630.	3.3	154

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19	Control the Structure of Zr-Tetracarboxylate Frameworks through Steric Tuning. <i>Journal of the American Chemical Society</i> , 2017, 139, 16939-16945.	13.7	153
20	Creating Well-Defined Hexabenzocoronene in Zirconium Metal-Organic Framework by Postsynthetic Annulation. <i>Journal of the American Chemical Society</i> , 2019, 141, 2054-2060.	13.7	148
21	Stable metal-organic frameworks as a host platform for catalysis and biomimetics. <i>Chemical Communications</i> , 2018, 54, 4231-4249.	4.1	137
22	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5095-5099.	13.8	136
23	Perovskite Quantum Dots Encapsulated in a Mesoporous Metal-Organic Framework as Synergistic Photocathode Materials. <i>Journal of the American Chemical Society</i> , 2021, 143, 14253-14260.	13.7	118
24	A multifunctional microporous anionic metal-organic framework for column-chromatographic dye separation and selective detection and adsorption of Cr ³⁺ . <i>Journal of Materials Chemistry A</i> , 2015, 3, 23426-23434.	10.3	117
25	2D Cd(II)-Lanthanide(III) Heterometallic-Organic Frameworks Based on Metalloligands for Tunable Luminescence and Highly Selective, Sensitive, and Recyclable Detection of Nitrobenzene. <i>Inorganic Chemistry</i> , 2014, 53, 8105-8113.	4.0	105
26	Stepwise Assembly of Turn-on Fluorescence Sensors in Multicomponent Metal-Organic Frameworks for in-Vitro Cyanide Detection. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9319-9323.	13.8	104
27	Systematic Engineering of Single Substitution in Zirconium Metal-Organic Frameworks toward High-Performance Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 18590-18597.	13.7	102
28	Face-Sharing Archimedean Solids Stacking for the Construction of Mixed-Ligand Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 13841-13848.	13.7	101
29	A Honeycomb-Like Bulk Superstructure of Carbon Nanosheets for Electrocatalysis and Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19627-19632.	13.8	100
30	Polyoxometalate-based crystalline tubular microreactor: redox-active inorganic-organic hybrid materials producing gold nanoparticles and catalytic properties. <i>Chemical Science</i> , 2012, 3, 705-710.	7.4	93
31	Diamondoid-structured polymolybdate-based metal-organic frameworks as high-capacity anodes for lithium-ion batteries. <i>Chemical Communications</i> , 2017, 53, 5204-5207.	4.1	92
32	A stable metal-organic framework with suitable pore sizes and rich uncoordinated nitrogen atoms on the internal surface of micropores for highly efficient CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7361-7367.	10.3	86
33	Derivation and Decoration of Nets with Trigonal-Prismatic Nodes: A Unique Route to Reticular Synthesis of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 5299-5307.	13.7	84
34	A stable Alq ₃ @MOF composite for white-light emission. <i>Chemical Communications</i> , 2016, 52, 3288-3291.	4.1	81
35	A Stable Porous Anionic Metal-Organic Framework for Luminescence Sensing of Ln ³⁺ Ions and Detection of Nitrobenzene. <i>Chemistry - an Asian Journal</i> , 2014, 9, 749-753.	3.3	77
36	Precisely Embedding Active Sites into a Mesoporous Zr-Framework through Linker Installation for High-Efficiency Photocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 15020-15026.	13.7	71

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37	Sequential Transformation of Zirconium(IV)-MOFs into Heterobimetallic MOFs Bearing Magnetic Anisotropic Cobalt(II) Centers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12578-12583.	13.8	70
38	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.	13.7	70
39	Tuning the Ionicity of Stable Metal-Organic Frameworks through Ionic Linker Installation. <i>Journal of the American Chemical Society</i> , 2019, 141, 3129-3136.	13.7	70
40	Metal-Organic Frameworks Based on Group 3 and 4 Metals. <i>Advanced Materials</i> , 2020, 32, e2004414.	21.0	69
41	Lattice Expansion and Contraction in Metal-Organic Frameworks by Sequential Linker Reinstallation. <i>Matter</i> , 2019, 1, 156-167.	10.0	67
42	PCN-250 under Pressure: Sequential Phase Transformation and the Implications for MOF Densification. <i>Joule</i> , 2017, 1, 806-815.	24.0	65
43	Continuous Variation of Lattice Dimensions and Pore Sizes in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 4732-4738.	13.7	65
44	pH-Dependent Binary Metal-Organic Compounds Assembled from Different Helical Units: Structural Variation and Supramolecular Isomers. <i>Crystal Growth and Design</i> , 2010, 10, 1699-1705.	3.0	63
45	Piezochromic luminescent (PCL) behavior and aggregation-induced emission (AIE) property of a new cationic iridium(III) complex. <i>Dalton Transactions</i> , 2012, 41, 9590.	3.3	62
46	Self-Assembly versus Stepwise Synthesis: Heterometal-Organic Frameworks Based on Metalloligands with Tunable Luminescence Properties. <i>Chemistry - A European Journal</i> , 2013, 19, 11279-11286.	3.3	55
47	A Highly Energetic N-Rich Zeolite-Like Metal-Organic Framework with Excellent Air Stability and Insensitivity. <i>Advanced Science</i> , 2015, 2, 1500150.	11.2	53
48	Assembly of 3D Metal-Organic Frameworks Based on Different Helical Units: Chiral and Achiral Structures Constructed by Length-Modulated N-Donor Ligands. <i>Crystal Growth and Design</i> , 2009, 9, 4142-4146.	3.0	49
49	Flexible Zirconium MOF as the Crystalline Sponge for Coordinative Alignment of Dicarboxylates. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33408-33412.	8.0	48
50	A (4,8)-Connected Fluorite Topology Framework Based on Mononuclear and Dinuclear Metal Centers. <i>Crystal Growth and Design</i> , 2008, 8, 2055-2057.	3.0	47
51	Functionalization of Zirconium-Based Metal-Organic Layers with Tailored Pore Environments for Heterogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18224-18228.	13.8	44
52	The Enhancement on Proton Conductivity of Stable Polyoxometalate-Based Coordination Polymers by the Synergistic Effect of Multi-Proton Units. <i>Chemistry - A European Journal</i> , 2016, 22, 9299-9304.	3.3	42
53	Encapsulation of an iridium complex in a metal-organic framework to give a composite with efficient white light emission. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 547-552.	6.0	42
54	Controllable synthesis of microporous, nanotubular and mesocage-like metal-organic frameworks by adjusting the reactant ratio and modulated luminescence properties of Alq3@MOF composites. <i>Journal of Materials Chemistry</i> , 2012, 22, 17947.	6.7	40

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55	Dual-Functional Photocatalysis for Cooperative Hydrogen Evolution and Benzylamine Oxidation Coupling over Sandwich-Like Pd@TiO ₂ @ZnIn ₂ S ₄ Nanobox. <i>Small</i> , 2022, 18, e2105114.	10.0	40
56	An unprecedented (3,4,24)-connected heteropolyoxozincate organic framework as heterogeneous crystalline Lewis acid catalyst for biodiesel production. <i>Scientific Reports</i> , 2013, 3, 2616.	3.3	39
57	An unprecedented 3D 8-connected pure inorganic framework based on nanosized {[Na ₁₂ PO ₁₆ H ₂₄] ³⁻ , [P ₄ Mo ₆ O ₃₁ H ₆] ₄ } ¹⁵⁻ clusters and zinc cations. <i>Chemical Communications</i> , 2011, 47, 2832.	4.1	36
58	Fluorescence Enhancement in the Solid State by Isolating Perylene Fluorophores in Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26727-26732.	8.0	36
59	Interior Decoration of Stable Metal-Organic Frameworks. <i>Langmuir</i> , 2018, 34, 13795-13807.	3.5	34
60	3d - 4f Heterometallic Complexes for the Construction of POM-based Inorganic - Organic Hybrid Compounds: from Nanoclusters to One-Dimensional Ladder-Like Chains. <i>Australian Journal of Chemistry</i> , 2010, 63, 1389.	0.9	33
61	Functional heterometallic coordination polymers with metalloligands as tunable luminescent crystalline materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 19673.	6.7	30
62	Solvent-Assisted, Thermally Triggered Structural Transformation in Flexible Mesoporous Metal-Organic Frameworks. <i>Chemistry of Materials</i> , 2019, 31, 8787-8793.	6.7	30
63	Spatially Separated Bifunctional Cocatalysts Decorated on Hollow-Structured TiO ₂ for Enhanced Photocatalytic Hydrogen Generation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23356-23362.	8.0	28
64	pH-Tuned self-assembly of organic-inorganic hybrids based on different vanadate chains, Zn(ⁱⁱ) ions and flexible ligands: crystallizing in polar and centrosymmetric space group. <i>CrystEngComm</i> , 2011, 13, 779-786.	2.6	25
65	Syntheses, structures and luminescent properties of a series of 3D lanthanide coordination polymers with tripodal semirigid ligand. <i>Journal of Solid State Chemistry</i> , 2011, 184, 373-378.	2.9	24
66	A series of inorganic-organic hybrid compounds constructed from bis(undecatungstophosphate) lanthanates and copper-organic units. <i>Inorganica Chimica Acta</i> , 2010, 363, 3823-3831.	2.4	22
67	Redox-active polyoxometalate-based crystalline material-immobilized noble metal nanoparticles: spontaneous reduction and synergistic catalytic activity. <i>Journal of Materials Chemistry</i> , 2012, 22, 21040.	6.7	22
68	3D Chiral Microporous (10,3)-a Topology Metal-Organic Framework Containing Large Helical Channels. <i>Crystal Growth and Design</i> , 2011, 11, 2510-2514.	3.0	21
69	Sophisticated Construction of Electronically Labile Materials: A Neutral, Radical-Rich, Cobalt Valence Tautomeric Triangle. <i>Journal of the American Chemical Society</i> , 2018, 140, 14581-14585.	13.7	21
70	Spatially separated bimetallic cocatalysts on hollow-structured TiO ₂ for photocatalytic hydrogen generation. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1671-1678.	5.9	19
71	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 5189-5193.	2.0	18
72	Stepwise Assembly of Turn-On Fluorescence Sensors in Multicomponent Metal-Organic Frameworks for in-Vitro Cyanide Detection. <i>Angewandte Chemie</i> , 2020, 132, 9405-9409.	2.0	18

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73	Building block approach to a series of substituted Keggin-type inorganic-organic hybrids. <i>Solid State Sciences</i> , 2011, 13, 1115-1121.	3.2	16
74	A flexible thioether-based MOF as a crystalline sponge for structural characterization of liquid organic molecules. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1764-1767.	5.9	15
75	A en-templated 3D coordination polymer based on H ₂ pzdc with macrometallo-cycles. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1227-1230.	3.9	14
76	Thermodynamically Controlled Linker Installation in Flexible Zirconium Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2019, 19, 2069-2073.	3.0	13
77	Morphology Transcription in Hierarchical MOF-on-MOF Architectures. , 2021, 3, 738-743.		13
78	Bioinspired spike-like double yolk-shell structured TiO ₂ @ZnIn ₂ S ₄ for efficient photocatalytic CO ₂ reduction. <i>Catalysis Science and Technology</i> , 2022, 12, 1092-1099.	4.1	9
79	A novel 3-connected [3 + 3] topological net showing both rotaxane- and catenane-like motifs. <i>CrystEngComm</i> , 2011, 13, 4945.	2.6	8
80	Functionalization of Zirconium-Based Metal-Organic Layers with Tailored Pore Environments for Heterogeneous Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 18381-18385.	2.0	7
81	Discrete nanographene implanted in zirconium metal-organic framework for electrochemical energy storage. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121377.	2.9	7
82	A Honeycomb-Like Bulk Superstructure of Carbon Nanosheets for Electrocatalysis and Energy Storage. <i>Angewandte Chemie</i> , 2020, 132, 19795-19800.	2.0	7
83	Tuning the Structure of Fe-Tetracarboxylate Frameworks Through Linker-Symmetry Reduction. <i>CCS Chemistry</i> , 2021, 3, 1701-1709.	7.8	7
84	Sequential Transformation of Zirconium(IV)-MOFs into Heterobimetallic MOFs Bearing Magnetic Anisotropic Cobalt(II) Centers. <i>Angewandte Chemie</i> , 2018, 130, 12758-12763.	2.0	5
85	Bioinspired Self-Supporting Phthalocyanine@ZnIn ₂ S ₄ Foam for Photocatalytic CO ₂ Reduction Under Visible Light Irradiation. <i>Advanced Energy and Sustainability Research</i> , 2022, 3, .	5.8	5
86	Bis{4,4'-[(2,2'-bi-1H-imidazole-1,1'-diyl)dimethylene]dipyridinium} Î ² -octamolybdate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2817-m2817.	0.2	1
87	Tetraaquabis(2-oxo-1,2-dihydroquinoline-4-carboxylato-Î ² O ₄)nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m389-m390.	0.2	0