

Ji-Jun Jiang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dynamic Spacer Installation for Multirole Metal-Organic Frameworks: A New Direction toward Multifunctional MOFs Achieving Ultrahigh Methane Storage Working Capacity. <i>Journal of the American Chemical Society</i> , 2017, 139, 6034-6037.	13.7	168
2	Enantioselective Synthesis of C ^N Axially Chiral N-Aryloxindoles by Asymmetric Rhodium-Catalyzed Dual C ^H Activation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6732-6736.	13.8	161
3	White-Light Emission from Dual-Way Photon Energy Conversion in a Dye-Encapsulated Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9752-9757.	13.8	145
4	Precise Modulation of the Breathing Behavior and Pore Surface in Zr-MOFs by Reversible Post-Synthetic Variable Spacer Installation to Fine-Tune the Expansion Magnitude and Sorption Properties. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9932-9936.	13.8	125
5	Amide and N-oxide functionalization of T-shaped ligands for isoreticular MOFs with giant enhancements in CO ₂ separation. <i>Chemical Communications</i> , 2014, 50, 14631-14634.	4.1	107
6	Design and Enantioresolution of Homochiral Fe(II)-Pd(II) Coordination Cages from Stereolabile Metalloligands: Stereochemical Stability and Enantioselective Separation. <i>Journal of the American Chemical Society</i> , 2018, 140, 18183-18191.	13.7	102
7	A stable metal cluster-metalloporphyrin MOF with high capacity for cationic dye removal. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17698-17705.	10.3	102
8	A Metal-Organic Supramolecular Box as a Universal Reservoir of UV, WL, and NIR Light for Long-Persistent Luminescence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3481-3485.	13.8	99
9	Catalysis through Dynamic Spacer Installation of Multivariate Functionalities in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 2589-2593.	13.7	98
10	Nanoparticle Cookies Derived from Metal-Organic Frameworks: Controlled Synthesis and Application in Anode Materials for Lithium-Ion Batteries. <i>Small</i> , 2016, 12, 2365-2375.	10.0	96
11	Nanoreactor Based on Macroporous Single Crystals of Metal-Organic Framework. <i>Small</i> , 2016, 12, 5702-5709.	10.0	74
12	Thermally Stable Porous Hydrogen-Bonded Coordination Networks Displaying Dual Properties of Robustness and Dynamics upon Guest Uptake. <i>Chemistry - A European Journal</i> , 2010, 16, 1841-1848.	3.3	72
13	Self-Generation of Surface Roughness by Low-Surface-Energy Alkyl Chains for Highly Stable Superhydrophobic/Superoleophilic MOFs with Multiple Functionalities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17033-17040.	13.8	71
14	Assembly of Robust and Porous Hydrogen-Bonded Coordination Frameworks: Isomorphism, Polymorphism, and Selective Adsorption. <i>Inorganic Chemistry</i> , 2010, 49, 10166-10173.	4.0	64
15	Enantioselective Synthesis of C ^N Axially Chiral N-Aryloxindoles by Asymmetric Rhodium-Catalyzed Dual C ^H Activation. <i>Angewandte Chemie</i> , 2019, 131, 6804-6808.	2.0	63
16	A Robust Metal-Organic Framework Combining Open Metal Sites and Polar Groups for Methane Purification and CO ₂ /Fluorocarbon Capture. <i>Chemistry - A European Journal</i> , 2017, 23, 4060-4064.	3.3	62
17	Introducing the Chiral Transient Directing Group Strategy to Rhodium(III)-Catalyzed Asymmetric C ^H Activation. <i>Chemistry - A European Journal</i> , 2019, 25, 4688-4694.	3.3	59
18	Cp*Co ^{III} -Catalyzed C ^H Alkenylation/Annulation to Afford Spiro Indenyl Benzosultam. <i>Journal of Organic Chemistry</i> , 2016, 81, 6093-6099.	3.2	56

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19	Chiral Bicyclo[2.2.2]octane-Fused CpRh Complexes: Synthesis and Potential Use in Asymmetric C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22436-22440.	13.8	54
20	Embedding CoO nanoparticles in a yolk-shell N-doped porous carbon support for ultrahigh and stable lithium storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4036-4046.	10.3	46
21	Record high cationic dye separation performance for water sanitation using a neutral coordination framework. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4751-4758.	10.3	44
22	Ligand and Metal Effects on the Stability and Adsorption Properties of an Isostructural Series of MOFs Based on T-Shaped Ligands and Paddle-Wheel Secondary Building Units. <i>Chemistry - A European Journal</i> , 2016, 22, 16147-16156.	3.3	43
23	High Water Adsorption MOFs with Optimized Pore-Nanospaces for Autonomous Indoor Humidity Control and Pollutants Removal. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	42
24	Self-Assembly of Triple Helical and meso-Helical Cylindrical Arrays Tunable by Bis-Tripodal Coordination Converters. <i>Inorganic Chemistry</i> , 2008, 47, 10692-10699.	4.0	41
25	A New Class of C ₂ -Symmetric Chiral Cyclopentadienyl Ligand Derived from Ferrocene Scaffold: Design, Synthesis and Application. <i>Chemistry - A European Journal</i> , 2020, 26, 14546-14550.	3.3	41
26	A facile method for scalable synthesis of ultrathin g-C ₃ N ₄ nanosheets for efficient hydrogen production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18252-18257.	10.3	40
27	Chiral Bicyclo[2.2.2]octane-Fused CpRh Complexes: Synthesis and Potential Use in Asymmetric C-H Activation. <i>Angewandte Chemie</i> , 2020, 132, 22622-22626.	2.0	38
28	Semidirected versus holodirected coordination and single-component white light luminescence in Pb(<i>scpp</i>) complexes. <i>New Journal of Chemistry</i> , 2015, 39, 5287-5292.	2.8	36
29	Solvent- and anion-induced interconversions of metal-organic cages. <i>Chemical Communications</i> , 2016, 52, 8745-8748.	4.1	31
30	Precise Modulation of the Breathing Behavior and Pore Surface in Zr-MOFs by Reversible Post-Synthetic Variable Spacer Installation to Fine-Tune the Expansion Magnitude and Sorption Properties. <i>Angewandte Chemie</i> , 2016, 128, 10086-10090.	2.0	30
31	All Roads Lead to Rome: Tuning the Luminescence of a Breathing Catenated Zr-MOF by Programmable Multiplexing Pathways. <i>Chemistry of Materials</i> , 2019, 31, 5550-5557.	6.7	30
32	Three-Component Synthesis of Isoquinoline Derivatives by a Relay Catalysis with a Single Rhodium(III) Catalyst. <i>Organic Letters</i> , 2019, 21, 4971-4975.	4.6	30
33	Investigation of Binding Behavior between Drug Molecule 5-Fluoracil and M ₄ L ₄ -Type Tetrahedral Cages: Selectivity, Capture, and Release. <i>Chemistry - A European Journal</i> , 2017, 23, 3542-3547.	3.3	28
34	N-Methoxyamide: An Alternative Amidation Reagent in the Rhodium(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2019, 21, 9315-9319.	4.6	28
35	Rhodium(III)-Catalyzed Asymmetric C-H Activation of N-Methoxybenzamide with Quinone and Its Application in the Asymmetric Synthesis of a Dihydrolycoricidine Analogue. <i>Organic Letters</i> , 2020, 22, 3219-3223.	4.6	27
36	A Voltage-Responsive Synthetic Cl ⁺ Channel Regulated by pH. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18920-18926.	13.8	26

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37	1â€Đâ€Tin(II) Phenylchalcogenolato Complexes $[Sn(EPh)_2]_n$ (E = S, Se,) <i>Tj ETQq1</i> 1 0.7843 Inorganic Chemistry, 2010, 2010, 410-418.	2.0	25
38	A Porous Zn(II)-Metalâ€Organic Framework Constructed from Fluorinated Ligands for Gas Adsorption. Crystal Growth and Design, 2017, 17, 1476-1479.	3.0	25
39	A Metalâ€Organic Supramolecular Box as a Universal Reservoir of UV, WL, and NIR Light for Longâ€Persistent Luminescence. <i>Angewandte Chemie</i> , 2019, 131, 3519-3523.	2.0	25
40	Asymmetric Rh(I)-Catalyzed Functionalization of the 3-C(<i>i>sp</i><sup>3</sup>)-â€H Bond of Benzofuranones with \pm-Diazoesters. <i>Organic Letters</i>, 2018, 20, 5889-5893.</i>	4.6	24
41	Hierarchically Porous Single Nanocrystals of Bimetallic Metalâ€Organic Framework for Nanoreactors with Enhanced Conversion. <i>Chemistry of Materials</i> , 2018, 30, 6458-6468.	6.7	24
42	Simultaneous determination of multiclass illegal dyes with different acidicâ€basic properties in foodstuffs by LC-MS/MS via polarity switching mode. <i>Food Chemistry</i> , 2020, 309, 125745.	8.2	24
43	A Class of Readily Tunable Planarâ€Chiral Cyclopentadienyl Rhodium(III) Catalysts for Asymmetric Câ€H Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	24
44	Faceâ€Capped M_{4L_4} Tetrahedral Metalâ€Organic Cage: Iodine Capture and Release, Ion Exchange, and Electrical Conductivity. <i>Chemistry - an Asian Journal</i> , 2016, 11, 216-220.	3.3	23
45	Cobalt (oxy)hydroxide nanosheet arrays with exceptional porosity and rich defects as a highly efficient oxygen evolution electrocatalyst under neutral conditions. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10217-10224.	10.3	23
46	Stepwise engineering of pore environments and enhancement of CO_2 adsorption capacity through dynamic spacer installation and functionality modification. <i>Chemical Communications</i> , 2017, 53, 11403-11406.	4.1	22
47	Tunability of fluorescent metalâ€organic frameworks through dynamic spacer installation with multivariate fluorophores. <i>Chemical Communications</i> , 2018, 54, 13666-13669.	4.1	22
48	A Flexible Cu-MOF as Crystalline Sponge for Guests Determination. <i>Inorganic Chemistry</i> , 2019, 58, 61-64.	4.0	22
49	A new Ag(I)-4,4â€ ² -bipyridine coordination polymer of honeycomb (6,3) networks containing a $Ag_6(4,4â€2-bipy)_6$ hexagonal ring of 17 Å– 26 Å... dimensions. <i>CrystEngComm</i> , 2005, 7, 603.	2.6	21
50	Selfâ€Generation of Surface Roughness by Lowâ€Surfaceâ€Energy Alkyl Chains for Highly Stable Superhydrophobic/Superoleophilic MOFs with Multiple Functionalities. <i>Angewandte Chemie</i> , 2019, 131, 17189-17196.	2.0	21
51	Whiteâ€Light Emission from Dualâ€Way Photon Energy Conversion in a Dyeâ€Encapsulated Metalâ€Organic Framework. <i>Angewandte Chemie</i> , 2019, 131, 9854-9859.	2.0	21
52	Flexible Microporous Copper(II) Metalâ€Organic Framework toward the Storage and Separation of C_1 â€ C_3 Hydrocarbons in Natural Gas. <i>Inorganic Chemistry</i> , 2021, 60, 8456-8460.	4.0	21
53	A Rare Flexible Metalâ€Organic Framework Based on a Tailorable Mn_8 -â€Cluster Showing Smart Responsiveness to Aromatic Guests and Capacity for Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	20
54	The interplay of coordinative and hydrogen-bonding in directing the $[M(4,4â€2-bpy)_2(H_2O)_2]$ square-grid networks: formation of 3D porous framework $[Cd(4,4â€2-bpy)_2(H_2O)_2](ClO_4)_2(4,4â€2-bpy)(CH_3OH)_2$. <i>CrystEngComm</i> , 2008, 10, 1147.	2.6	19

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55	Structural transition between a (4,4)-net and a CdI ₂ -net in Cd(II) compounds and conversion from a mixture to a pure substance. <i>Inorganic Chemistry Communication</i> , 2015, 55, 116-119.	3.9	19
56	Chiral Arene Ligand as Stereocontroller for Asymmetric C-H Activation**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	19
57	Time controlled structural/packing transformation and tunable luminescence of Cd(ii)-chloride-triBZ-ntb coordination assemblies: an experimental and theoretical exploration. <i>CrystEngComm</i> , 2015, 17, 546-552.	2.6	17
58	Structural disorder and transformation in crystal growth: direct observation of ring-opening isomerization in a metal-organic solid solution. <i>IUCrJ</i> , 2014, 1, 318-327.	2.2	16
59	Dynamic Coordination Chemistry of Fluorinated Zr-MOFs: Synthetic Control and Reassembly/Disassembly Beyond de Novo Synthesis to Tune the Structure and Property. <i>Chemistry - A European Journal</i> , 2020, 26, 8254-8261.	3.3	16
60	Assembly of BF ₄ ⁻ , PF ₆ ⁻ , ClO ₄ ⁻ and F ⁻ with trinuclear copper(II) acetylide complexes bearing amide groups: structural diversity, photophysics and anion binding properties. <i>RSC Advances</i> , 2015, 5, 89669-89681.	3.6	15
61	Self-Assembled Columnar Triazole Quartets: An Example of Synergistic Hydrogen-Bonding/Anion-π Interactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12037-12042.	13.8	14
62	A Flexible Robust Copper(II) Metal-Organic Framework Constructed from a Fluorinated Ligand for CO ₂ /R22 Capture. <i>Inorganic Chemistry</i> , 2020, 59, 14856-14860.	4.0	14
63	Qualitative screening and quantitative determination of multiclass water-soluble synthetic dyes in foodstuffs by liquid chromatography coupled to quadrupole Orbitrap mass spectrometry. <i>Food Chemistry</i> , 2021, 360, 129948.	8.2	14
64	Porous zinc(II)-organic framework with potential open metal sites: Synthesis, structure and property. <i>Science China Chemistry</i> , 2011, 54, 1436-1440.	8.2	13
65	Hydrophobic metallo-supramolecular Pd ₂ L ₄ cages for zwitterionic guest encapsulation in organic solvents. <i>Dalton Transactions</i> , 2017, 46, 15204-15207.	3.3	12
66	Pore-Nanospace Engineering of Mixed-Ligand Metal-Organic Frameworks for High Adsorption of Hydrofluorocarbons and Hydrochlorofluorocarbons. <i>Chemistry of Materials</i> , 2022, 34, 5116-5124.	6.7	11
67	Framework disorder and its effect on selective hysteretic sorption of a T-shaped azole-based metal-organic framework. <i>IUCrJ</i> , 2019, 6, 85-95.	2.2	10
68	Self-Assembled Columnar Triazole Quartets: An Example of Synergistic Hydrogen-Bonding/Anion-π Interactions. <i>Angewandte Chemie</i> , 2019, 131, 12165-12170.	2.0	9
69	Assembly of Ag(I) coordination polymers from a tripyridyl-ester ligand: effects of counter anion, ligand conformation and π-π interaction on non-interpenetrating 2D → 3D dimension increase. <i>CrystEngComm</i> , 2013, 15, 9751.	2.6	8
70	Metal Effects on the Framework Stability and Adsorption Property of a Series of Isoreticular Metal-Organic Frameworks Based on an in-Situ Generated T-Shaped Ligand. <i>Crystal Growth and Design</i> , 2019, 19, 300-304.	3.0	8
71	Development of a C ₂ -Symmetric Chiral azaspirocyclic Diol. <i>Organic Letters</i> , 2020, 22, 3110-3113.	4.6	7
72	High Water Adsorption MOFs with Optimized Pore-Nanospaces for Autonomous Indoor Humidity Control and Pollutants Removal. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5

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73	Rhodium(III)-Catalyzed C-H/N-H Functionalization with Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2020, 26, 7365-7368.	3.3	4
74	Probing of the supramolecular interaction between anti-cancer drug carmofur and a Zn ₄ L ₄ metal-organic cage in acetonitrile. <i>Inorganic Chemistry Communication</i> , 2018, 87, 24-26.	3.9	3
75	A Recoverable Complex with Nitrogen-Rich Double Rings for Hg(II) Sorption. <i>ChemistrySelect</i> , 2018, 3, 7592-7595.	1.5	3
76	How Does Azo Bond Cleave in the Gas Phase? Computational and Experimental Study on the Fragmentation Mechanism of Protonated Sudan I. <i>ChemistrySelect</i> , 2019, 4, 1666-1672.	1.5	3
77	Unusual adsorption behaviours and responsive structural dynamics via selective gate effects of an hourglass porous metal-organic framework. <i>RSC Advances</i> , 2019, 9, 37222-37231.	3.6	3
78	A Voltage-Responsive Synthetic Cl ⁻ Channel Regulated by pH. <i>Angewandte Chemie</i> , 2020, 132, 19082-19088.	2.0	3
79	A mesoporous metal-organic framework based on T-shape ligand with Ca ²⁺ release behavior under simulated physiological conditions and praisable biocompatibility. <i>Inorganic Chemistry Communication</i> , 2018, 94, 1-4.	3.9	2
80	Stable fluorinated 3D isoreticular nanotubular triazole MOFs: synthesis, characterization and CO ₂ separation. <i>Journal of Porous Materials</i> , 2019, 26, 1573-1579.	2.6	2
81	A Class of Readily Tunable Planar-Chiral Cyclopentadienyl Rhodium(III) Catalysts for Asymmetric C-H Activation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
82	A Rare Flexible Metal-Organic Framework Based on a Tailorable Mn ₈ -Cluster Showing Smart Responsiveness to Aromatic Guests and Capacity for Gas Separation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
83	Frontispiece: Investigation of Binding Behavior between Drug Molecule 5-Fluoracil and M ₄ L ₄ -Type Tetrahedral Cages: Selectivity, Capture, and Release. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	1
84	Structural tuning of coordination polymers by 4-connecting metal node and secondary building process. <i>Chinese Chemical Letters</i> , 2019, 30, 1297-1301.	9.0	1
85	Progressive Folding and Adaptive Multivalent Recognition of Alkyl Amines and Amino Acids in p-Sulfonatocalix[4]arene Hosts: Solid-State and Solution Studies. <i>ChemPlusChem</i> , 2020, 85, 1623-1631.	2.8	1
86	Frontispiece: Self-Assembled Columnar Triazole Quartets: An Example of Synergistic Hydrogen-Bonding/Anion-π Interactions (<i>Angew. Chem.</i> 35/2019). <i>Angewandte Chemie</i> , 2019, 131, 12434-12434.	2.0	0
87	Frontispiece: White-Light Emission from Dual-Way Photon Energy Conversion in a Dye-Encapsulated Metal-Organic Framework (<i>Angew. Chem.</i> 29/2019). <i>Angewandte Chemie</i> , 2019, 131, 9752-9752.	2.0	0
88	Frontispiz: A Voltage-Responsive Synthetic Cl ⁻ Channel Regulated by pH. <i>Angewandte Chemie</i> , 2020, 132, .	2.0	0
89	Progressive Folding and Adaptive Multivalent Recognition of Alkyl Amines and Amino Acids in p-Sulfonatocalix[4]arene Hosts: Solid-State and Solution Studies. <i>ChemPlusChem</i> , 2020, 85, 1615-1615.	2.8	0
90	Frontispiece: A Voltage-Responsive Synthetic Cl ⁻ Channel Regulated by pH. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	13.8	0