

Yong Cui

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.

122
papers

8,922
citations

51
h-index

93
g-index

127
ext. papers

10,846
ext. citations

12.9
avg, IF

6.7
L-index

#	Paper	IF	Citations
122	Water Sorption Evolution Enabled by Reticular Construction of Zirconium Metal-Organic Frameworks Based on a Unique [2.2]Paracyclophane Scaffold.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	5
121	Are Highly Stable Covalent Organic Frameworks the Key to Universal Chiral Stationary Phases for Liquid and Gas Chromatographic Separations?. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	6
120	Free-standing homochiral 2D monolayers by exfoliation of molecular crystals.. <i>Nature</i> , 2022 , 602, 606-614	16.4	14
119	Creating Optimal Pockets in a Clathrochelate-Based Metal-Organic Framework for Gas Adsorption and Separation: Experimental and Computational Studies.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	9
118	Artificial Biomolecular Channels: Enantioselective Transmembrane Transport of Amino Acids Mediated by Homochiral Zirconium Metal-Organic Cages. <i>Journal of the American Chemical Society</i> , 2021 ,	16.4	6
117	Artificial Metal-Peptide Assemblies: Bioinspired Assembly of Peptides and Metals through Space and across Length Scales. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17316-17336	16.4	5
116	Two-Dimensional Fluorinated Covalent Organic Frameworks with Tunable Hydrophobicity for Ultrafast Oil-Water Separation. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	7
115	Metal-Organic Cages with Missing Linker Defects. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 9099-9105	16.4	8
114	Metal-Organic Cages with Missing Linker Defects. <i>Angewandte Chemie</i> , 2021 , 133, 9181-9187	3.6	
113	Single crystals of mechanically entwined helical covalent polymers. <i>Nature Chemistry</i> , 2021 , 13, 660-665	17.6	20
112	Synthesis, structure and property of boron-based metal-organic materials. <i>Coordination Chemistry Reviews</i> , 2021 , 435, 213783	23.2	9
111	A stable biocompatible porous coordination cage promotes in vivo liver tumor inhibition. <i>Nano Research</i> , 2021 , 14, 3407-3415	10	3
110	Fine-Tuning of Chiral Microenvironments within Triple-Stranded Helicates for Enhanced Enantioselectivity. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16568-16575	16.4	13
109	Fine-Tuning of Chiral Microenvironments within Triple-Stranded Helicates for Enhanced Enantioselectivity. <i>Angewandte Chemie</i> , 2021 , 133, 16704-16711	3.6	2
108	Chiral metal-organic frameworks with tunable catalytic selectivity in asymmetric transfer hydrogenation reactions. <i>Nano Research</i> , 2021 , 14, 466-472	10	18
107	Confinement-Driven Enantioselectivity in 3D Porous Chiral Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6086-6093	16.4	15
106	Supramolecular Chirality in Metal-Organic Complexes. <i>Accounts of Chemical Research</i> , 2021 , 54, 194-206	24.3	27

105	Crystalline C-C and C?C Bond-Linked Chiral Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021 , 143, 369-381	16.4	44
104	Highly Stable Zr(IV)-Based Metal-Organic Frameworks for Chiral Separation in Reversed-Phase Liquid Chromatography. <i>Journal of the American Chemical Society</i> , 2021 , 143, 390-398	16.4	42
103	Confinement-Driven Enantioselectivity in 3D Porous Chiral Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2021 , 133, 6151-6158	3.6	3
102	Chiral and robust Zr(IV)-based metal-organic frameworks built from spiro skeletons. <i>Faraday Discussions</i> , 2021 , 231, 168-180	3.6	1
101	Topological Strain-Induced Regioselective Linker Elimination in a Chiral Zr(IV)-Based Metal-Organic Framework. <i>CheM</i> , 2021 , 7, 190-201	16.2	7
100	Nitrogen-rich tricyclic-based energetic materials. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 7108-7118	7.8	1
99	Highly Specific Coordination-Driven Self-Assembly of 2D Heterometallic Metal-Organic Frameworks with Unprecedented Johnson-type () Nonanuclear Zr-Oxocarboxylate Clusters. <i>Journal of the American Chemical Society</i> , 2021 , 143, 657-663	16.4	8
98	Molecular Engineering of Aromatic Imides for Organic Secondary Batteries. <i>Small</i> , 2021 , 17, e2005752	11	12
97	Single-Crystalline Ultrathin 2D Porous Nanosheets of Chiral Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021 , 143, 3509-3518	16.4	28
96	Porous 2D and 3D Covalent Organic Frameworks with Dimensionality-Dependent Photocatalytic Activity in Promoting Radical Ring-Opening Polymerization. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19466-19476	16.4	9
95	Efficient CH/CO Separation in Ultramicroporous Metal-Organic Frameworks with Record CH Storage Density. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14869-14876	16.4	12
94	Porous 2D and 3D Covalent Organic Frameworks with Dimensionality-Dependent Photocatalytic Activity in Promoting Radical Ring-Opening Polymerization. <i>Angewandte Chemie</i> , 2021 , 133, 19615-19625	3.6	1
93	Endohedral functionalization of chiral metal-organic cages for encapsulating achiral dyes to induce circularly polarized luminescence. <i>CheM</i> , 2021 ,	16.2	12
92	Instant Photochromism Caused by Radical Formation in Photocatalytic Decarboxylation of Dihydrothiazole Derivative. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2774-2780	4.9	0
91	Coordination-driven self-assembly of anthraquinone-based metal-organic cages for photocatalytic selective [2 + 2] cycloaddition. <i>Dalton Transactions</i> , 2021 , 50, 8533-8539	4.3	4
90	Journey to the Holy Grail of a coordination saturated buckyball. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2556-2559	6.8	3
89	Metal-organic frameworks as solid Brønsted acid catalysts for advanced organic transformations. <i>Coordination Chemistry Reviews</i> , 2020 , 420, 213400	23.2	29
88	Ultrathin two-dimensional metal-organic framework nanosheets-an emerging class of catalytic nanomaterials. <i>Dalton Transactions</i> , 2020 , 49, 11073-11084	4.3	7

87	Topology-Based Functionalization of Robust Chiral Zr-Based Metal-Organic Frameworks for Catalytic Enantioselective Hydrogenation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9642-9652	16.4	27
86	Metal-Covalent Organic Frameworks (MCOFs): A Bridge Between Metal-Organic Frameworks and Covalent Organic Frameworks. <i>Angewandte Chemie</i> , 2020 , 132, 13826-13837	3.6	30
85	Metal-Covalent Organic Frameworks (MCOFs): A Bridge Between Metal-Organic Frameworks and Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13722-13733	16.4	92
84	Chiral covalent organic frameworks: design, synthesis and property. <i>Chemical Society Reviews</i> , 2020 , 49, 6248-6272	58.5	97
83	Supramolecular self-assembly of chiral helical tubular polymers with amplified circularly polarized luminescence. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2772-2781	7.8	5
82	Reticular Synthesis of the Topology Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16346-16356	16.4	51
81	Permanent porous hydrogen-bonded frameworks with two types of Brønsted acid sites for heterogeneous asymmetric catalysis. <i>Nature Communications</i> , 2019 , 10, 600	17.4	72
80	Metal- and Covalent Organic Frameworks Threaded with Chiral Polymers for Heterogeneous Asymmetric Catalysis. <i>Organometallics</i> , 2019 , 38, 3474-3479	3.8	15
79	Microporous 3D Covalent Organic Frameworks for Liquid Chromatographic Separation of Xylene Isomers and Ethylbenzene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 8996-9003	16.4	96
78	Highly Stable Zr(IV)-Based Metal-Organic Frameworks with Chiral Phosphoric Acids for Catalytic Asymmetric Tandem Reactions. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7498-7508	16.4	79
77	Chiral BINOL-Based Covalent Organic Frameworks for Enantioselective Sensing. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7081-7089	16.4	131
76	Chiral DHIP- and Pyrrolidine-Based Covalent Organic Frameworks for Asymmetric Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5065-5071	8.3	35
75	Multivariate crystalline porous materials: Synthesis, property and potential application. <i>Coordination Chemistry Reviews</i> , 2019 , 385, 174-190	23.2	42
74	Supramolecular Coordination Cages for Asymmetric Catalysis. <i>Chemistry - A European Journal</i> , 2019 , 25, 662-672	4.8	81
73	Chiral Phosphoric Acids in Metal-Organic Frameworks with Enhanced Acidity and Tunable Catalytic Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14748-14757	16.4	24
72	A supermolecular building block approach for construction of chiral metal-organic frameworks. <i>Chemical Communications</i> , 2019 , 55, 8639-8642	5.8	8
71	Design and assembly of a chiral composite metal-organic framework for efficient asymmetric sequential transformation of alkenes to amino alcohols. <i>Chemical Communications</i> , 2019 , 55, 9136-9139	5.8	11
70	Boosting Enantioselectivity of Chiral Organocatalysts with Ultrathin Two-Dimensional Metal-Organic Framework Nanosheets. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17685-17695	16.4	88

69	Chiral Phosphoric Acids in Metal-Organic Frameworks with Enhanced Acidity and Tunable Catalytic Selectivity. <i>Angewandte Chemie</i> , 2019 , 131, 14890-14899	3.6	10
68	Rational synthesis of interpenetrated 3D covalent organic frameworks for asymmetric photocatalysis. <i>Chemical Science</i> , 2019 , 11, 1494-1502	9.4	59
67	Nanochannels of Covalent Organic Frameworks for Chiral Selective Transmembrane Transport of Amino Acids. <i>Journal of the American Chemical Society</i> , 2019 , 141, 20187-20197	16.4	88
66	Metallosalen-based crystalline porous materials: Synthesis and property. <i>Coordination Chemistry Reviews</i> , 2019 , 378, 483-499	23.2	61
65	Chiral induction in covalent organic frameworks. <i>Nature Communications</i> , 2018 , 9, 1294	17.4	105
64	Combined effects of Ag and UiO-66 for removal of elemental mercury from flue gas. <i>Chemosphere</i> , 2018 , 197, 65-72	8.4	31
63	Design and Assembly of Chiral Coordination Cages for Asymmetric Sequential Reactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2251-2259	16.4	152
62	Design and Assembly of a Chiral Metallosalen-Based Octahedral Coordination Cage for Supramolecular Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2085-2090	16.4	103
61	Design and Assembly of a Chiral Metallosalen-Based Octahedral Coordination Cage for Supramolecular Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 2107-2112	3.6	12
60	Chiral 3D Covalent Organic Frameworks for High Performance Liquid Chromatographic Enantioseparation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 892-895	16.4	254
59	Chiral Metal-Organic Framework Decorated with TEMPO Radicals for Sequential Oxidation/Asymmetric Cyanation Catalysis. <i>Inorganic Chemistry</i> , 2018 , 57, 9786-9789	5.1	29
58	Enantioselective Separation over a Chiral Biphenol-Based Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2018 , 57, 8697-8700	5.1	19
57	Research of mercury removal from sintering flue gas of iron and steel by the open metal site of Mil-101(Cr). <i>Journal of Hazardous Materials</i> , 2018 , 351, 301-307	12.8	46
56	Control Interlayer Stacking and Chemical Stability of Two-Dimensional Covalent Organic Frameworks via Steric Tuning. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16124-16133	16.4	101
55	Controlled Exchange of Achiral Linkers with Chiral Linkers in Zr-Based UiO-68 Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16229-16236	16.4	95
54	Design and self-assembly of hexahedral coordination cages for cascade reactions. <i>Nature Communications</i> , 2018 , 9, 4423	17.4	49
53	Chiral NH-Controlled Supramolecular Metallacycles. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1554-1564	16.4	94
52	Chiral Covalent Organic Frameworks with High Chemical Stability for Heterogeneous Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8693-8697	16.4	289

51	Multivariate Metal-Organic Frameworks as Multifunctional Heterogeneous Asymmetric Catalysts for Sequential Reactions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8259-8266	16.4	180
50	Multivariate Chiral Covalent Organic Frameworks with Controlled Crystallinity and Stability for Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8277-8285	16.4	186
49	Chiral binary metal-organic frameworks for asymmetric sequential reactions. <i>Chemical Communications</i> , 2017 , 53, 12313-12316	5.8	19
48	Boosting Chemical Stability, Catalytic Activity, and Enantioselectivity of Metal-Organic Frameworks for Batch and Flow Reactions. <i>Journal of the American Chemical Society</i> , 2017 , 139, 13476-13482	16.4	89
47	Sixteen isostructural phosphonate metal-organic frameworks with controlled Lewis acidity and chemical stability for asymmetric catalysis. <i>Nature Communications</i> , 2017 , 8, 2171	17.4	75
46	Chiral Cu(salen)-Based Metal-Organic Framework for Heterogeneously Catalyzed Aziridination and Amination of Olefins. <i>Inorganic Chemistry</i> , 2016 , 55, 12500-12503	5.1	35
45	Chiral DHIP-Based Metal-Organic Frameworks for Enantioselective Recognition and Separation. <i>Inorganic Chemistry</i> , 2016 , 55, 7229-32	5.1	36
44	Homochiral 2D Porous Covalent Organic Frameworks for Heterogeneous Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12332-5	16.4	336
43	Triple-Stranded Cluster Helicates for the Selective Catalytic Oxidation of C-H Bonds. <i>Inorganic Chemistry</i> , 2016 , 55, 10102-10105	5.1	12
42	Chiral Metal-Organic Framework as a Platform for Cooperative Catalysis in Asymmetric Cyanosilylation of Aldehydes. <i>ACS Catalysis</i> , 2016 , 6, 7590-7596	13.1	104
41	A Cr(salen)-based metal-organic framework as a versatile catalyst for efficient asymmetric transformations. <i>Chemical Communications</i> , 2016 , 52, 13167-13170	5.8	42
40	Direct and post-synthesis incorporation of chiral metallosalen catalysts into metal-organic frameworks for asymmetric organic transformations. <i>Chemistry - A European Journal</i> , 2015 , 21, 12581-5	4.8	61
39	A homochiral metal-organic framework as an effective asymmetric catalyst for cyanohydrin synthesis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1746-9	16.4	228
38	Synthesis, structure and property of one porous Zn(salen)-based metal-metallosalen framework. <i>Science China Chemistry</i> , 2014 , 57, 107-113	7.9	4
37	Chiral metal-organic frameworks bearing free carboxylic acids for organocatalyst encapsulation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13821-5	16.4	75
36	Chiral Metal-Organic Frameworks Bearing Free Carboxylic Acids for Organocatalyst Encapsulation. <i>Angewandte Chemie</i> , 2014 , 126, 14041-14045	3.6	18
35	Engineering chiral Fe(salen)-based metal-organic frameworks for asymmetric sulfide oxidation. <i>Chemical Communications</i> , 2014 , 50, 8775-8	5.8	63
34	Engineering chiral porous metal-organic frameworks for enantioselective adsorption and separation. <i>Nature Communications</i> , 2014 , 5, 4406	17.4	183

33	A highly fluorescent metallosalen-based chiral cage for enantioselective recognition and sensing. <i>Chemistry - A European Journal</i> , 2014 , 20, 6455-61	4.8	76
32	Chiral Porous TADDOL-Embedded Organic Polymers for Asymmetric Diethylzinc Addition to Aldehydes. <i>Bulletin of the Chemical Society of Japan</i> , 2014 , 87, 435-440	5.1	10
31	Chiral porous organic frameworks for asymmetric heterogeneous catalysis and gas chromatographic separation. <i>Chemical Communications</i> , 2014 , 50, 14949-52	5.8	75
30	Chiral microporous Ti(salan)-based metal-organic frameworks for asymmetric sulfoxidation. <i>Chemical Communications</i> , 2013 , 49, 7120-2	5.8	39
29	A homochiral porous metal-organic framework for enantioselective adsorption of mandelates and photocyclization of tropolone ethers. <i>Chemical Communications</i> , 2013 , 49, 8253-5	5.8	50
28	A chiral porous metallosalan-organic framework containing titanium-oxo clusters for enantioselective catalytic sulfoxidation. <i>Chemical Science</i> , 2013 , 4, 3154	9.4	88
27	A chiral quadruple-stranded helicate cage for enantioselective recognition and separation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6904-7	16.4	267
26	Chiral nanoporous metal-metallosalen frameworks for hydrolytic kinetic resolution of epoxides. <i>Journal of the American Chemical Society</i> , 2012 , 134, 8058-61	16.4	227
25	Mesoporous metal-organic framework materials. <i>Chemical Society Reviews</i> , 2012 , 41, 1677-95	58.5	711
24	Synthesis, structure and photoluminescence of two porous metal-organoboron frameworks with rtl topology. <i>Science China Chemistry</i> , 2011 , 54, 1430-1435	7.9	1
23	Bottom-Up Assembly from a Helicate to Homochiral Micro- and Mesoporous Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2011 , 123, 1186-1190	3.6	13
22	Nano- and microcrystals of a Mn-based metal-oligomer framework showing size-dependent magnetic resonance behaviors. <i>Chemical Communications</i> , 2011 , 47, 3180-2	5.8	24
21	Homochiral helical coordination polymers of metallosalen complexes with tunable pitches. <i>CrystEngComm</i> , 2010 , 12, 2424	3.3	15
20	Engineering homochiral metal-organic frameworks for heterogeneous asymmetric catalysis and enantioselective separation. <i>Advanced Materials</i> , 2010 , 22, 4112-35	24	743
19	Chiral nanoscale metal-organic tetrahedral cages: diastereoselective self-assembly and enantioselective separation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4121-4	16.4	172
18	Enantioselective recognition and separation by a homochiral porous lamellar solid based on unsymmetrical Schiff base metal complexes. <i>Chemistry - A European Journal</i> , 2009 , 15, 6428-34	4.8	79
17	Anion-driven conformational polymorphism in homochiral helical coordination polymers. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10452-60	16.4	119
16	A homochiral nanotubular crystalline framework of metallomacrocycles for enantioselective recognition and separation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4582-3	16.4	206

15	Self-assembly of a homochiral nanoscale metallacycle from a metallosalen complex for enantioselective separation. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1245-9	16.4	135
14	Chiral octupolar metal-organoboron NLO frameworks with (14,3) topology. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4538-41	16.4	140
13	Highly Interpenetrated Metal-Organic Frameworks for Hydrogen Storage. <i>Angewandte Chemie</i> , 2005 , 117, 74-77	3.6	101
12	Hierarchical assembly of homochiral porous solids using coordination and hydrogen bonds. <i>Inorganic Chemistry</i> , 2003 , 42, 652-4	5.1	63
11	Interlocked chiral nanotubes assembled from quintuple helices. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6014-5	16.4	323
10	A homochiral triple helix constructed from an axially chiral bipyridine. <i>Chemical Communications</i> , 2003 , 1388-9	5.8	96
9	Homochiral 3D open frameworks assembled from 1- and 2-D coordination polymers. <i>Chemical Communications</i> , 2003 , 994-5	5.8	52
8	Rational design of homochiral solids based on two-dimensional metal carboxylates. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1159-62	16.4	176
7	Self-assembly of nanoscale, porous T-symmetric molecular adamantanoids. <i>Inorganic Chemistry</i> , 2002 , 41, 5940-2	5.1	28
6	New rigid angular dicarboxylic acid for the construction of nanoscopic supramolecules: from a molecular rectangle to a 1-D coordination polymer. <i>Inorganic Chemistry</i> , 2002 , 41, 1033-5	5.1	58
5	Synthesis and X-ray Structures of Zinc and Cadmium Pyridinecarboxylate Coordination Networks. <i>Crystal Growth and Design</i> , 2002 , 2, 409-414	3.5	12
4	Homochiral 3D lanthanide coordination networks with an unprecedented 4(9)6(6) topology. <i>Chemical Communications</i> , 2002 , 1666-7	5.8	68
3	Recent Advances of Covalent Organic Frameworks for Chiral Separation. <i>Chemical Research in Chinese Universities</i> , 1	2.2	
2	Boosting Enantioselectivity of Chiral Molecular Catalysts with Supramolecular Metal-Organic Cages. <i>CCS Chemistry</i> , 1692-1700	7.2	4
1	How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , 2201502	24	12