Wei-Yin Sun

List of Publications by Year
in descending order

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226 papers	10,604 citations	28190 55 h-index	49773 87 g-index
228 all docs	228 docs citations	228 times ranked	7926 citing authors

#	Article	IF	Citations
1	Metalâ€“organic frameworks with catalytic centers: From synthesis to catalytic application. Coordination Chemistry Reviews, 2019, 378, 262-280.	9.5	377
2	Luminescent Cd(<scp>ii</scp>)â€“organic frameworks with chelating NH₂ sites for selective detection of Fe(<scp>iii</scp>) and antibiotics. Journal of Materials Chemistry A, 2017, 5, 15797-15807.	5.2	330
3	Photoluminescent metalâ€“organic frameworks and their application for sensing biomolecules. Journal of Materials Chemistry A, 2019, 7, 22744-22767.	5.2	224
4	Reversible Anion Exchanges between the Layered Organicâ€“Inorganic Hybridized Architectures: Syntheses and Structures of Manganese(II) and Copper(II) Complexes Containing Novel Tripodal Ligands. Chemistry - A European Journal, 2003, 9, 3965-3973.	1.7	197
5	Porous cobalt(ii)-imidazolate supramolecular isomeric frameworks with selective gas sorption property. Chemical Communications, 2011, 47, 4902.	2.2	177
6	Metal-free directed sp2-Câ€“H borylation. Nature, 2019, 575, 336-340.	13.7	175
7	Enhanced Photocatalytic CO₂ Reduction Activity over NH₂-MIL-125(Ti) by Facet Regulation. ACS Catalysis, 2021, 11, 650-658.	5.5	171
8	Temperature dependent selective gas sorption of the microporous metal-imidazolate framework [Cu(L)] [H₂L = 1,4-di(1H-imidazol-4-yl)benzene]. Chemical Communications, 2011, 47, 752-754.	2.2	162
9	Self-Assembly of Frameworks with Specific Topologies: Construction and Anion Exchange Properties of M3L2 Architectures by Tripodal Ligands and Silver(I) Salts. Chemistry - A European Journal, 2001, 7, 2557-2562.	1.7	160
10	The first X-ray structurally characterized M3L2 cage-like complex with tetrahedral metal centres and its encapsulation of a neutral guest molecule. Chemical Communications, 2000, , 591-592.	2.2	149
11	Size Engineering of Metalâ€“Organic Framework MIL-101(Cr)â€“Ag Hybrids for Photocatalytic CO₂ Reduction. ACS Catalysis, 2019, 9, 8464-8470.	5.5	149
12	Novel Metalâˆ’Organic Frameworks with Specific Topology from New Tripodal Ligands:Â 1,3,5-Tris(1-imidazolyl)benzene and 1,3-Bis(1-imidazolyl)-5-(imidazol-1-ylmethyl)benzene. Inorganic Chemistry, 2003, 42, 3168-3175.	1.9	144
13	Ligand-Directed and pH-Controlled Assembly of Chiral 3dâˆ’3d Heterometallic Metalâˆ’Organic Frameworks. Crystal Growth and Design, 2010, 10, 3515-3521.	1.4	137
14	Facet-dependent photocatalytic hydrogen production of metalâ€“organic framework NH₂-MIL-125(Ti). Chemical Science, 2019, 10, 4834-4838.	3.7	133
15	Iodoarene-Catalyzed Stereospecific Intramolecular sp³ Câ€“H Amination: Reaction Development and Mechanistic Insights. Journal of the American Chemical Society, 2015, 137, 7564-7567.	6.6	130
16	Rh(III)-Catalyzed meta-Câ€“H Olefination Directed by a Nitrile Template. Journal of the American Chemical Society, 2017, 139, 2200-2203.	6.6	126
17	Copper(II) and Zinc(II) Complexes Can Fix Atmospheric Carbon Dioxide. Angewandte Chemie - International Edition, 2005, 44, 4352-4355.	7.2	125
18	Boosting Photocatalytic CO₂ Reduction Efficiency by Heterostructures of NH₂-MIL-101(Fe)/g-C₃N₄. ACS Applied Energy Materials, 2020, 3, 3946-3954.	2.5	125

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19	The organic ligands with mixed N-/O-donors used in construction of functional metalâ€“organic frameworks. CrystEngComm, 2014, 16, 3247.	1.3	124
20	Metalâ€“organic frameworks with 1,4-di(1H-imidazol-4-yl)benzene and varied carboxylate ligands for selectively sensing Fe(<scp>iii</scp>) ions and ketone molecules. Dalton Transactions, 2017, 46, 13943-13951.	1.6	120
21	Facile fabrication and adsorption property of a nano/microporous coordination polymer with controllable size and morphology. Chemical Communications, 2012, 48, 8814.	2.2	115
22	Discrete and Infinite Cage-Like Frameworks with Inclusion of Anionic and Neutral Species and with Interpenetration Phenomena. Chemistry - A European Journal, 2003, 9, 4724-4731.	1.7	106
23	Rh(<scp>iii</scp>)-catalyzed Câ€“H olefination of N-pentafluoroaryl benzamides using air as the sole oxidant. Chemical Science, 2015, 6, 1923-1927.	3.7	106
24	Multifunctional Metalâ€“Organic Frameworks with Fluorescent Sensing and Selective Adsorption Properties. Inorganic Chemistry, 2016, 55, 11821-11830.	1.9	103
25	Assembling ultrafine TiO2 nanoparticles on UiO-66 octahedrons to promote selective photocatalytic conversion of CO2 to CH4 at a low concentration. Applied Catalysis B: Environmental, 2020, 270, 118856.	10.8	103
26	Single-crystal-to-single-crystal transformations and selective adsorption of porous copper(ii) frameworks. Chemical Communications, 2011, 47, 3787.	2.2	98
27	Solvent-dependent zinc(<scp>ii</scp>) coordination polymers with mixed ligands: selective sorption and fluorescence sensing. Dalton Transactions, 2015, 44, 11524-11532.	1.6	93
28	Solvent-Free Photoreduction of CO₂ to CO Catalyzed by Fe-MOFs with Superior Selectivity. Inorganic Chemistry, 2019, 58, 8517-8524.	1.9	89
29	Rh(III)-Catalyzed meta-Câ€“H Alkenylation with Alkynes. Journal of the American Chemical Society, 2019, 141, 76-79.	6.6	89
30	Porous Metalâ€“Organic Frameworks with Chelating Multiamine Sites for Selective Adsorption and Chemical Conversion of Carbon Dioxide. Inorganic Chemistry, 2018, 57, 2695-2704.	1.9	87
31	Ligandâ€Promoted Rhodium(III)â€Catalyzed orthoâ€Câˆ’H Amination with Free Amines. Angewandte Chemie - International Edition, 2017, 56, 7449-7453.	7.2	84
32	Cucurbit[6]uril-Based Supramolecular Assemblies: Possible Application in Radioactive Cesium Cation Capture. Journal of the American Chemical Society, 2014, 136, 16744-16747.	6.6	82
33	Synthesis, Structures, and Properties of Zinc(II) and Cadmium(II) Complexes with 1,2,4,5-Tetrakis(imidazol-1-ylmethyl)benzene and Multicarboxylate Ligands. Crystal Growth and Design, 2010, 10, 2553-2562.	1.4	80
34	A single-stranded {Gd₁₈} nanowheel with a symmetric polydentate diacylhydrazone ligand. Chemical Communications, 2016, 52, 8297-8300.	2.2	77
35	Facile water-stability evaluation of metalâ€“organic frameworks and the property of selective removal of dyes from aqueous solution. Dalton Transactions, 2016, 45, 8753-8759.	1.6	76
36	Pt nanoparticles embedded in flowerlike NH₂-UiO-68 for enhanced photocatalytic carbon dioxide reduction. Journal of Materials Chemistry A, 2019, 7, 26490-26495.	5.2	76

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37	Spontaneous resolution of two homochiral ferroelectric cadmium(ii) frameworks and an achiral framework from a one-pot reaction involving achiral rigid ligands. CrystEngComm, 2010, 12, 2040.	1.3	72
38	A redox-neutral catechol synthesis. Nature Communications, 2017, 8, 14227.	5.8	72
39	Construction of coordination frameworks based on 4-imidazolyl tecton 1,4-di(1H-imidazol-4-yl)benzene and varied carboxylic acids. CrystEngComm, 2012, 14, 3564.	1.3	71
40	Bottomâ€up Construction of Ï€â€Extended Arenes by a Palladiumâ€Catalyzed Annulative Dimerization of oâ€Iodobiaryl Compounds. Angewandte Chemie - International Edition, 2018, 57, 8848-8853.	7.2	71
41	Structural Diversity and Sensing Properties of Metalâ€“Organic Frameworks with Multicarboxylate and 1H-Imidazol-4-yl-Containing Ligands. Crystal Growth and Design, 2018, 18, 1136-1146.	1.4	71
42	Cadmium(II) complexes with 3,5-di(1H-imidazol-1-yl)benzoate: topological and structural diversity tuned by counteranions. CrystEngComm, 2010, 12, 100-108.	1.3	70
43	Shape-controlled synthesis of Co3O4 nanostructures derived from coordination polymer precursors and their application to the thermal decomposition of ammonium perchlorate. CrystEngComm, 2012, 14, 7721.	1.3	69
44	Enantioselective Palladium-Catalyzed Intramolecular Î±-Arylative Desymmetrization of 1,3-Diketones. Journal of the American Chemical Society, 2017, 139, 16486-16489.	6.6	69
45	Zinc(<scp>ii</scp>)â€“ and cadmium(<scp>ii</scp>)â€“organic frameworks with 1-imidazole-containing and 1-imidazole-carboxylate ligands. CrystEngComm, 2015, 17, 4045-4063.	1.3	68
46	Construction of co-ordination networks of 1,6-bis(4â€²-pyridyl)-2,5-diazahexane with silver(I) and copper(I). Structural diversity through change in metal ions and counter ions. Dalton Transactions RSC, 2000, , 805-811.	2.3	67
47	Novel Pb(ii) coordination frameworks: synthesis, crystal structures and unusual third-order nonlinear optical propertiesElectronic supplementary information (ESI) available: crystal packing diagram of complex 2. See http://www.rsc.org/suppdata/jm/b3/b315682f/. Journal of Materials Chemistry, 2004, 14, 1631.	6.7	66
48	Strong circularly polarized luminescence induced from chiral supramolecular assembly of helical nanorods. Chemical Communications, 2017, 53, 7505-7508.	2.2	65
49	Cadmium(<scp>ii</scp>) coordination polymers with flexible tetradentate ligand 1,2,4,5-tetrakis(imidazol-1-ylmethyl)benzene: anion effect and reversible anion exchange property. CrystEngComm, 2009, 11, 261-270.	1.3	64
50	Structure-dependent iron-based metalâ€“organic frameworks for selective CO₂-to-CH₄photocatalytic reduction. Journal of Materials Chemistry A, 2020, 8, 25850-25856.	5.2	64
51	2D 4.82 Network with threefold parallel interpenetration from nanometer-sized tripodal ligand and lead(ii) nitrateElectronic supplementary information available: Fig. 1S. See http://www.rsc.org/suppdata/cc/b2/b207568g/. Chemical Communications, 2002, , 2520-2521.	2.2	59
52	An introduction to synthesis and application of nanoscale metalâ€“carboxylate coordination polymers. CrystEngComm, 2014, 16, 3816.	1.3	59
53	Zinc(ii) coordination polymers with substituted benzenedicarboxylate and tripodal imidazole ligands: syntheses, structures and properties. CrystEngComm, 2014, 16, 7536.	1.3	59
54	Ligandâ€Promoted Rh^{III}â€Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. Angewandte Chemie - International Edition, 2019, 58, 9099-9103.	7.2	59

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55	Three-dimensional photoluminescent pillared metal-organic framework with 4.82 topological channels obtained from the assembly of cadmium(ii) acetate and trimellitic salt. New Journal of Chemistry, 2003, 27, 1409.	1.4	57
56	Fabrication of Desired Metalâ€“Organic Frameworks via Postsynthetic Exchange and Sequential Linker Installation. Crystal Growth and Design, 2019, 19, 1454-1470.	1.4	57
57	Silver(<scp>i</scp>) complexes with oxazoline-containing tripodal ligands: structure variation via counter anions and reaction conditions. Dalton Transactions, 2008, , 204-213.	1.6	56
58	Fluorescent sensing and selective adsorption properties of metalâ€“organic frameworks with mixed tricarboxylate and 1H-imidazol-4-yl-containing ligands. Dalton Transactions, 2017, 46, 9022-9029.	1.6	56
59	Efficient and Reusable Metalâ€“Organic Framework Catalysts for Carboxylative Cyclization of Propargylamines with Carbon Dioxide. ChemCatChem, 2017, 9, 4598-4606.	1.8	56
60	Diacylhydrazone-assembled {Ln₁₁} nanoclusters featuring a â€œdouble-boats conformationâ€• topology: synthesis, structures and magnetism. Dalton Transactions, 2018, 47, 2337-2343.	1.6	56
61	Integrating Nickel-Nitrogen Doped Carbon Catalyzed CO2 Electroreduction with Chlor-Alkali Process for CO, Cl2 and KHCO3 Production with Enhanced Techno-Economics. Applied Catalysis B: Environmental, 2020, 275, 119154.	10.8	56
62	Syntheses and crystal structures of 1D tubular chains and 2D polycatenanes built from the asymmetric 1-(1-imidazolyl)-4-(imidazol-1-ylmethyl)benzene ligand with metal salts. New Journal of Chemistry, 2004, 28, 1010-1018.	1.4	55
63	Synthesis, structure and property of cobalt(II) complexes with 3,5-di(1H-imidazol-1-yl)benzoic acid. CrystEngComm, 2009, 11, 873.	1.3	55
64	A series of silver(i)â€“lanthanide(iii) heterometallic coordination polymers: syntheses, structures and photoluminescent properties. CrystEngComm, 2011, 13, 3801.	1.3	54
65	A bioinspired and biocompatible ortho-sulfiliminyl phenol synthesis. Nature Communications, 2017, 8, 15912.	5.8	54
66	Cu₂O@Cu@UiO-66-NH₂ Ternary Nanocubes for Photocatalytic CO₂ Reduction. ACS Applied Nano Materials, 2020, 3, 10437-10445.	2.4	54
67	Controlled Synthesis of Porous Coordinationâ€Polymer Microcrystals with Definite Morphologies and Sizes under Mild Conditions. Chemistry - A European Journal, 2014, 20, 14783-14789.	1.7	53
68	Synthesis, structures and properties of two-dimensional honeycomb and stepwise networks from self-assembly of tripodal ligand 1,3,5-tris(imidazol-1-ylmethyl)-2,4,6-trimethylbenzene with metal saltsElectronic supplementary information (ESI) available: hydrogen bond network indicated by dashed lines in 2 (Fig. S1), coordination environment of Cd2B (minor component) (Fig. S2), FT-IR spectra of anion exchange (Fig. S3) and excitation and emission spectra of 2 (Fig. S4). See http://www.rsc.org/suppdata/dt/b2/b20. Dalton Transactions RSC, 2002, , 3868-3873.	2.3	51
69	Synthesis and characterization of metal complexes with a mixed 4-imidazole-containing ligand and a variety of multi-carboxylic acids. CrystEngComm, 2010, 12, 3091.	1.3	51
70	Selectively sensing and adsorption properties of nickel(II) and cadmium(II) architectures with rigid 1H-imidazol-4-yl containing ligands and 1,3,5-tri(4-carboxyphenyl)benzene. Sensors and Actuators B: Chemical, 2017, 250, 179-188.	4.0	51
71	Metalâ€“organic frameworks with six- and four-fold interpenetration and their photoluminescence and adsorption property. CrystEngComm, 2009, 11, 2728.	1.3	50
72	Synthesis and Characterization of Metal Complexes with Mixed 4-Imidazole-Containing Tripodal Ligand and Varied Dicarboxylic Acid. Crystal Growth and Design, 2012, 12, 2315-2326.	1.4	50

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73	Cucurbit[6]uril-based supramolecular assemblies incorporating metal complexes with multiaromatic ligands as structure-directing agent for detection of aromatic amines and nitroaromatic compounds. Sensors and Actuators B: Chemical, 2019, 282, 844-853.	4.0	50
74	Unified synthesis of mono/bis-arylated phenols via Rh^{III}-catalyzed dehydrogenative coupling. Chemical Science, 2017, 8, 169-173.	3.7	49
75	Syntheses, crystal structures and anion-exchange properties of copper(ii) and cadmium(ii) complexes containing a novel tripodal ligand. New Journal of Chemistry, 2004, 28, 1142-1150.	1.4	48
76	Effects of copper ions on DNA binding and cytotoxic activity of a chiral salicylidene Schiff base. Journal of Photochemistry and Photobiology B: Biology, 2014, 132, 36-44.	1.7	48
77	A novel Cu(II)-W(V) bimetallic assembly magnet {[Cu(en)2]3[W(CN)8]2A·H2O}a ž (ena€‰=a€‰ethylenediamine) with cube-like W8Cu12 units from a coordinated anion template self-assembly reactionElectronic supplementary information (ESI) available: selected hydrogen bonding parameters in 1 (Table S1) and perspective view showing the three linkages for the title compound (Fig. S1). See	1.4	47
78	Solvent effect on the structure and topology of metal-organic frameworks with the rigid tripodal star ligand 1,3,5-tris(1-imidazolyl)benzene and lead(ii) nitrateElectronic supplementary information (ESI) available: crystal packing diagram of 1. See http://www.rsc.org/suppdata/nj/b3/b306876p/. New Journal of Chemistry, 2003, 27, 1307.	1.4	47
79	Novel (3,4,6)-Connected Metalâ€“Organic Framework with High Stability and Gas-Uptake Capability. Inorganic Chemistry, 2012, 51, 8402-8408.	1.9	47
80	Silver supramolecule catalyzed multicomponent reactions under mild conditions. Dalton Transactions, 2012, 41, 5889.	1.6	47
81	Zinc(ii) and cadmium(ii) metalâ€“organic frameworks with 4-imidazole containing tripodal ligand: sorption and anion exchange properties. Dalton Transactions, 2014, 43, 6012.	1.6	47
82	Crystallographic facet heterojunction of MIL-125-NH2(Ti) for carbon dioxide photoreduction. Applied Catalysis B: Environmental, 2021, 298, 120524.	10.8	47
83	Structure diversity and reversible anion exchange properties of cadmium(ii) complexes with 1,3,5-tris(imidazol-1-ylmethyl)benzene: counteranion-directed flexible ligand conformational variation. CrystEngComm, 2008, 10, 1052.	1.3	46
84	Carboxy Ester Hydrolysis Promoted by a Zinc(II) 2-[Bis(2-aminoethyl)amino]ethanol Complex:Â A New Model for Indirect Activation on the Serine Nucleophile by Zinc(II) in Zinc Enzymes. Inorganic Chemistry, 2001, 40, 2394-2401.	1.9	45
85	Syntheses, Crystal Structures and Electrospray Mass Spectra of Coordination Polymers of anN,Nâ€²-Bis(3-pyridylmethyl)-1,4-benzenebis(methylamine) Ligand and Silver(I) Salts. European Journal of Inorganic Chemistry, 2004, 2004, 1465-1473.	1.0	45
86	Syntheses, crystal structures and properties of novel copper(ii) complexes obtained by reactions of copper(ii) sulfate pentahydrate with tripodal ligands. Dalton Transactions, 2005, , 1509.	1.6	45
87	pH-Dependent cobalt(ii) frameworks with mixed 3,3â€²,5,5â€²-tetra(1H-imidazol-1-yl)-1,1â€²-biphenyl and 1,3,5-benzenetricarboxylate ligands: synthesis, structure and sorption property. CrystEngComm, 2013, 15, 9537.	1.3	45
88	Cucurbit[6]uril-based multifunctional supramolecular assemblies: synthesis, removal of Ba(<scp>ii</scp>) and fluorescence sensing of Fe(<scp>iii</scp>). Dalton Transactions, 2018, 47, 3958-3964.	1.6	45
89	Facile Method To Prepare a Novel Biological HKUST-1@CMCS with Macroscopic Shape Control for the Long-Acting and Sustained Release. ACS Applied Materials & Interfaces, 2019, 11, 10389-10398.	4.0	45
90	Synthesis and crystal structure of an infinite one-dimensional chain containing a poly-metallocage of MnII with 4,4â€²-bis(imidazol-1-ylmethyl)biphenyl. Dalton Transactions RSC, 2000, , 2345-2348.	2.3	44

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91	Anion- and auxiliary ligand-directed synthesis of cadmium(<scp>ii</scp>) complexes with 3,5-di(1H-imidazol-1-yl)benzoate. CrystEngComm, 2011, 13, 1539-1549.	1.3	44
92	Unprecedented crystal dynamics: reversible cascades of single-crystal-to-single-crystal transformations. Chemical Communications, 2012, 48, 10249.	2.2	44
93	Propargylamines formed from three-component coupling reactions catalyzed by silver oxide nanoparticles. RSC Advances, 2013, 3, 1732-1734.	1.7	44
94	A dual-response biosensor for electrochemical and glucometer detection of DNA methyltransferase activity based on functionalized metal-organic framework amplification. Biosensors and Bioelectronics, 2019, 134, 117-122.	5.3	44
95	High structural diversity controlled by temperature and induction agent. CrystEngComm, 2012, 14, 2015.	1.3	43
96	A selenium-catalysed para-amination of phenols. Nature Communications, 2018, 9, 4293.	5.8	43
97	Syntheses, structures and photoluminescent properties of cadmium(ii), silver(i) and copper(i) complexes with novel long chain tetradentate ligands. Dalton Transactions, 2003, , 1836-1845.	1.6	42
98	Three-dimensional lanthanideâ€“silver heterometallic coordination polymers: syntheses, structures and properties. CrystEngComm, 2010, 12, 3267.	1.3	42
99	Waterâ€Stable Coordination Polymers as Dual Fluorescent Sensors for Highly Oxidizing Anions Cr₂O₇^{2â^'} and MnO₄^{â^'}. Chemistry - an Asian Journal, 2019, 14, 3620-3626.	1.7	42
100	Different functional group modified zirconium frameworks for the photocatalytic reduction of carbon dioxide. Dalton Transactions, 2019, 48, 8221-8226.	1.6	42
101	Single- and mixed-metalâ€“organic framework photocatalysts for carbon dioxide reduction. Inorganic Chemistry Frontiers, 2021, 8, 3178-3204.	3.0	41
102	Syntheses, Structures, and Properties of Two-Dimensional Honeycomb Networks from the Assembly of the Tripodal Ligand 2,4,6-Tris[4-(imidazol-1-ylmethyl)phenyl]-1,3,5-triazine with Metal Salts. European Journal of Inorganic Chemistry, 2003, 2003, 3783-3789.	1.0	40
103	Syntheses, Structures, and Sorption Properties of Metalâ€“Organic Frameworks with 1,3,5-Tris(1-imidazolyl)benzene and Tricarboxylate Ligands. Crystal Growth and Design, 2016, 16, 7112-7123.	1.4	40
104	Metal ion induced porous HKUST-1 nano/microcrystals with controllable morphology and size. CrystEngComm, 2016, 18, 4127-4132.	1.3	40
105	Self-assembly of a snake-like blue photoluminescent coordination polymer from 4,4â€²-bis(imidazol-1-ylmethyl)biphenyl and zinc acetate. New Journal of Chemistry, 2002, 26, 1277-1279.	1.4	39
106	Structural diversity in imidazole and carboxylate-containing metal complexes dependent on the alkaline reagents. CrystEngComm, 2012, 14, 3708.	1.3	39
107	Cadmium(<scp>ii</scp>) coordination polymers based on 2-(4-((E)-2-(pyridine-2-yl)vinyl)styryl)pyridine and dicarboxylate ligands as fluorescent sensors for TNP. Journal of Materials Chemistry C, 2018, 6, 12623-12630.	2.7	39
108	Construction and Characterization of Organic-Inorganic Hybridized Molecules with Infinite 2D Grid Network and 1D Zigzag Chain Structures. European Journal of Inorganic Chemistry, 2001, 2001, 1855-1861.	1.0	38

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109	Syntheses, Crystal Structures, and Properties of Four Two-Dimensional Network Complexes with Multidentate Bis(Schiff Base) Ligands. European Journal of Inorganic Chemistry, 2003, 2003, 618-627.	1.0	38
110	Palladium-catalyzed direct arylation and cyclization of o-iodobiaryls to a library of tetraphenylenes. Scientific Reports, 2016, 6, 33131.	1.6	38
111	Amino group dependent sensing properties of metalâ€“organic frameworks: selective turn-on fluorescence detection of lysine and arginine. RSC Advances, 2020, 10, 37449-37455.	1.7	38
112	Novel cadmium(II) frameworks with mixed carboxylate and imidazole-containing ligands for selective detection of antibiotics. Polyhedron, 2018, 154, 350-356.	1.0	37
113	Two Types of Cu-Ln Heterometallic Coordination Polymers with 2-Hydroxyisophthalate: Syntheses, Structures, and Magnetic Properties. Crystal Growth and Design, 2015, 15, 2883-2890.	1.4	35
114	Metalâ€“organic frameworks with pyridyl- and carboxylate-containing ligands: syntheses, structures and properties. CrystEngComm, 2010, 12, 1935.	1.3	34
115	Rhodium-Catalyzed Direct Ortho Câ€“H Arylation Using Ketone as Directing Group with Boron Reagent. Organic Letters, 2017, 19, 5940-5943.	2.4	34
116	Dynamic porous metalâ€“organic frameworks: synthesis, structure and sorption property. CrystEngComm, 2012, 14, 8569.	1.3	33
117	Zinc(II) and Copper(II) Hybrid Frameworks via Metal-Ion Metathesis with Enhanced Gas Uptake and Photoluminescence Properties. Inorganic Chemistry, 2017, 56, 14157-14163.	1.9	33
118	Amplification effect of circularly polarized luminescence induced from binaphthyl-based zinc(<scp>ii</scp>) chiral coordination polymers. Materials Chemistry Frontiers, 2018, 2, 554-558.	3.2	33
119	Metalloporphyrin Encapsulation for Enhanced Conversion of CO₂ to C₂H₄. ACS Applied Materials & Interfaces, 2021, 13, 25937-25945.	4.0	33
120	Fluorescent Zn(<scp>ii</scp>) frameworks with multicarboxylate and pyridyl N-donor ligands for sensing specific anions and organic molecules. Dalton Transactions, 2022, 51, 3572-3580.	1.6	33
121	Coordination polymers with 1,3-bis(1-imidazolyl)-5-(imidazol-1- ylmethyl)benzene and biphenyl-4,4â€²-dicarboxylate ligands: Selective adsorption of gas and dye molecules. Microporous and Mesoporous Materials, 2017, 241, 192-201.	2.2	32
122	Metal organic frameworks with 1,3-bis(1-imidazolyl)-5-(imidazol-1- ylmethyl)benzene and 3,3â€²-disulfobiphenyl-4,4â€²-dicarboxylate ligands: Synthesis, structure and selectively sensing property. Sensors and Actuators B: Chemical, 2017, 244, 114-123.	4.0	32
123	Two- and Three-dimensional Frameworks with (6,3) and (10,3)-a Topology from Self-assembly of Three-connecting Organic Ligands with Cadmium(II) and Silver(I) Salts. Supramolecular Chemistry, 2004, 16, 361-370.	1.5	31
124	Size-controlled indium(iii)â€“benzenedicarboxylate hexagonal rods and their transformation to In2O3 hollow structures. CrystEngComm, 2013, 15, 4779.	1.3	31
125	Crystal Structures and Luminescent Probe Behaviors of Three-Dimensional Zn(II) Frameworks with Multicarboxylate and Tetradentate Imidazole-Containing Ligands. Crystal Growth and Design, 2021, 21, 5306-5316.	1.4	31
126	Synthesis, structure, and magnetic and catalytic properties of metal frameworks with 2,2â€²-dinitro-4,4â€²-biphenyldicarboxylate and imidazole-containing tripodal ligands. Dalton Transactions, 2016, 45, 8816-8823.	1.6	30

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127	Three powerful dinuclear metalâ€“organic catalysts for converting CO₂ into organic carbonates. Dalton Transactions, 2016, 45, 14184-14190.	1.6	30
128	Iron(<scp>iii</scp>)-bipyridine incorporated metalâ€“organic frameworks for photocatalytic reduction of CO₂ with improved performance. Dalton Transactions, 2021, 50, 384-390.	1.6	30
129	Unprecedented three-dimensional 10-connected bct nets based on trinuclear secondary building units and their magnetic behavior. CrystEngComm, 2010, 12, 4339.	1.3	29
130	Ligand-Promoted Rh(III)-Catalyzed Coupling of Aryl Câ€“H Bonds with Arylboron Reagents. Journal of Organic Chemistry, 2016, 81, 3416-3422.	1.7	29
131	Controlled synthesis of NbO-type metal-organic framework nano/microcrystals with superior capacity and selectivity for dye adsorption from aqueous solution. Microporous and Mesoporous Materials, 2019, 273, 60-66.	2.2	29
132	Nanoporous Metalâ€“Organic Framework-Based Ellipsoidal Nanoparticles for the Catalytic Electroreduction of CO₂. ACS Applied Nano Materials, 2020, 3, 2625-2635.	2.4	28
133	Assembly of supermolecular complexes with tripodal ligand titmb and tib: a 2D rhombic grid network assembled from 2-connected tib. Dalton Transactions RSC, 2002, , 3886-3891.	2.3	26
134	Synthesis and Crystal Structure of Blue Luminescent Cadmium(II) Coordination Networks with 4,4â€²-Bis(imidazol-1-ylmethyl)biphenyl from Different Solvent Systems. Supramolecular Chemistry, 2003, 15, 345-352.	1.5	26
135	Controlled growth and gas sorption properties of IRMOF-3 nano/microcrystals. Dalton Transactions, 2014, 43, 16707-16712.	1.6	26
136	Coordination polymers with a pyridylâ€“salen ligand for photocatalytic carbon dioxide reduction. Chemical Communications, 2020, 56, 4110-4113.	2.2	26
137	Ti(IV)-MOF with Specific Facetâ€“Ag Nanoparticle Composites for Enhancing the Photocatalytic Activity and Selectivity of CO₂ Reduction. ACS Applied Materials & Interfaces, 2022, 14, 32350-32359.	4.0	26
138	Synthesis, characterization and selective hysteretic sorption property of metalâ€“organic frameworks with 3,5-di(pyridine-4-yl)benzoate. CrystEngComm, 2014, 16, 6300.	1.3	25
139	Structural modulation of silver complexes and their distinctive catalytic properties. Dalton Transactions, 2014, 43, 2252-2258.	1.6	25
140	Large-scale preparation of indium-based infinite coordination polymer hierarchical nanostructures and their good capability for water treatment. Journal of Colloid and Interface Science, 2014, 426, 1-8.	5.0	24
141	Novel metalâ€“organic frameworks with high stability for selectively sensing nitroaromatics. Dalton Transactions, 2018, 47, 15399-15404.	1.6	24
142	Metalâ€“organic frameworks with oxazoline-containing tripodal ligand: structure changes via reaction medium and metal-to-ligand ratio. CrystEngComm, 2010, 12, 4328.	1.3	23
143	Synthesis, structure and adsorption properties of lanthanideâ€“organic frameworks with pyridine-3,5-bis(phenyl-4-carboxylate). Dalton Transactions, 2016, 45, 2591-2597.	1.6	22
144	Defect-engineering of Zr(IV)-based metal-organic frameworks for regulating CO2 photoreduction. Chemical Engineering Journal, 2022, 429, 132157.	6.6	22

#	Article	IF	Citations
145	Helical silver(I) coordination polymer with oxazoline-containing ligand: Structure, non-linear and ferroelectric property. Inorganic Chemistry Communication, 2011, 14, 1145-1148.	1.8	21
146	Coordination modulation induced and ultrasonic-assisted synthesis of size-controlled microporous metalâ€“imidazolate framework crystals with enhanced adsorption performance. CrystEngComm, 2013, 15, 8250.	1.3	21
147	Synthesis, Crystal Structure, DNA Binding, Antibacterial, and Cytotoxic Activities of Two Chiral Copper(II) Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 5919-5927.	1.0	21
148	Synthesis, crystal structure and fluorescent sensing property of metalâ€“organic frameworks with 1,3-di(1H-imidazol-4-yl)benzene and 1,4-phenylenediacetate. Polyhedron, 2019, 167, 33-38.	1.0	21
149	Synergistic Effect of CdS and NH₂â€UiOâ€66â€‰on Photocatalytic Reduction of CO₂ under Visible Light Irradiation. ChemistrySelect, 2020, 5, 4001-4007.	0.7	21
150	Effect of the Defect Modulator and Ligand Length of Metalâ€“Organic Frameworks on Carbon Dioxide Photoreduction. ACS Applied Materials & Interfaces, 2021, 13, 61578-61586.	4.0	21
151	Secondary structure dependent on metal ions of copper,zinc superoxide dismutase investigated by Fourier transform IR spectroscopy. , 1997, 42, 297-303.		20
152	Copper(II) Frameworks with Varied Active Site Distribution for Modulating Selectivity of Carbon Dioxide Electroreduction. ACS Applied Materials & Interfaces, 2022, 14, 13645-13652.	4.0	20
153	Green Oxidative Degradation of Methyl Orange with Copper(II) Schiff Base Complexes as Photoâ€Fentonâ€Like Catalysts. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2035-2040.	0.6	19
154	Rh(III)-Catalyzed C(sp3)â€“H Acetoxylation of 8-Methylquinolines. Organic Letters, 2020, 22, 5390-5395.	2.4	19
155	High-index facets exposed on metalâ€“organic framework for boosting photocatalytic carbon dioxide reduction. Chemical Engineering Journal, 2022, 431, 134125.	6.6	19
156	Fine tuning of catalytic and sorption properties of metalâ€“organic frameworks via in situ ligand exchange. Dalton Transactions, 2017, 46, 11425-11430.	1.6	18
157	Cucurbit[7]urilâ€Based Metalâ€“Organic Rotaxane Framework for Dualâ€Capture of Molecular Iodine and Cationic Potassium Ion. Chemistry - A European Journal, 2020, 26, 2154-2158.	1.7	18
158	Luminescent silver(<scp>i</scp>) complexes with pyrazole-tetraphenylethene ligands: turn-on fluorescence due to the coordination-driven rigidification and solvent-oriented structural transformation. Dalton Transactions, 2021, 50, 2183-2191.	1.6	18
159	A facile approach to fabricate porous UMCM-150 nanostructures and their adsorption behavior for methylene blue from aqueous solution. CrystEngComm, 2015, 17, 4825-4831.	1.3	17
160	Functional group effects on structure and topology of cadmium(<scp>ii</scp>) frameworks with mixed organic ligands. RSC Advances, 2015, 5, 43268-43278.	1.7	17
161	Novel tripodal chelating ligand for appending and encapsulating metal ions. Crystal structure of a parachute-like hydrogen bonded complex. Chemical Communications, 2000, , 1429-1430.	2.2	16
162	Ultrasonic-assisted solution-phase synthesis of gadolinium benzene-1,4-dicarboxylate hierarchical architectures and their solid-state thermal transformation. CrystEngComm, 2012, 14, 3515.	1.3	16

#	Article	IF	Citations
163	Lanthanide-tricarboxylate frameworks: Synthesis, structure and photoluminescence property. Dyes and Pigments, 2016, 124, 241-248.	2.0	16
164	An ironâ€“nitrogen doped carbon and CdS hybrid catalytic system for efficient CO₂ photochemical reduction. Chemical Communications, 2021, 57, 2033-2036.	2.2	16
165	Target-induced activation of DNAzyme for sensitive detection of bleomycin by using a simple MOF-modified electrode. Biosensors and Bioelectronics, 2021, 178, 113034.	5.3	16
166	Sensing Properties of NH2-MIL-101 Series for Specific Amino Acids via Turn-On Fluorescence. Molecules, 2021, 26, 5336.	1.7	16
167	A series of novel ion-pair complexes based on TCNQ: syntheses, crystal structures and properties. CrystEngComm, 2008, 10, 1574.	1.3	15
168	Effect of additives on morphology and size and gas adsorption ofÂSUMOF-3 microcrystals. Microporous and Mesoporous Materials, 2016, 222, 27-32.	2.2	15
169	Synthesis, characterization, and properties of copper and manganese complexes with 5-(benzimidazol-1-ylmethyl)isophthalate. Journal of Coordination Chemistry, 2012, 65, 3147-3159.	0.8	14
170	Silver(I) complexes of 4-(2-oxazolinyl)pyridine: Counteranion dependent structural diversity. Polyhedron, 2012, 46, 16-24.	1.0	14
171	Porous ZnO and ZnOâ€“NiO composite nano/microspheres: synthesis, catalytic and biosensor properties. RSC Advances, 2014, 4, 51098-51104.	1.7	14
172	A new two-fold interpenetrated Cd(II)-based metal-organic framework as a fluorescent probe for nitro-aromatic compounds. Journal of Coordination Chemistry, 2020, 73, 2728-2739.	0.8	14
173	A 2-D bimetallic assembly with bridging cyanide ions. Transition Metal Chemistry, 2001, 26, 127-130.	0.7	13
174	Synthesis, structure and sorption property of metal complexes with mixed multicarboxylate and imidazole-containing ligands. Microporous and Mesoporous Materials, 2016, 219, 199-208.	2.2	13
175	Morphology evolution and gas adsorption of porous metalâ€“organic framework microcrystals. Dalton Transactions, 2015, 44, 16888-16893.	1.6	12
176	Syntheses, structures and properties of zinc(II) and cadmium(II) coordination polymers with mixed organic ligands. Microporous and Mesoporous Materials, 2016, 227, 39-47.	2.2	12
177	Sorption and sensing properties of coordination polymers with mixed 1,3,5-tri(1-imidazolyl)benzene and 2,6-naphthalenedicarboxylate ligands. RSC Advances, 2017, 7, 44639-44646.	1.7	12
178	Supramolecular Engineering to Improve Electrocatalytic CO₂ Reduction Activity of Cu₂O. ChemSusChem, 2021, 14, 1847-1852.	3.6	12
179	Coordination polymers with mixed 4,4â€²-bipyridine-2,2â€²,6, 6â€²-tetracarboxylate and imidazole-containing ligands: synthesis, structure and properties. CrystEngComm, 2012, 14, 8642.	1.3	11
180	Syntheses, structures, and properties of CdII and CoII complexes with 5-(pyridin-4-yl)isophthalate. Journal of Coordination Chemistry, 2012, 65, 4409-4418.	0.8	11

#	Article	IF	Citations
181	Syntheses, structures, sorption and magnetic properties of copper(II) frameworks with varied topologies. Microporous and Mesoporous Materials, 2013, 175, 116-124.	2.2	11
182	Potential Applications of Cucurbit[n]urils and Their Derivatives in the Capture of Hazardous Chemicals. Chemistry - A European Journal, 2021, 27, 5107-5119.	1.7	11
183	Coordination Polymers with 2,2â€²:6â€²,2â€³-Terpyridine Earth-Abundant Metal Complex Units for Selective CO₂ Photoreduction. Inorganic Chemistry, 2022, 61, 1590-1596.	1.9	11
184	Syntheses, structures, and magnetic properties of new rare earth coordination polymers constructed by 1,3,5-benzenetriacetic acid. Structural Chemistry, 2006, 17, 3-11.	1.0	10
185	Rhodium(III)-Catalyzed C(sp²)â€“H Chemoselective Annulation to O-Cyclized Isochromen-imines from Benzamides. Organic Letters, 2020, 22, 9462-9467.	2.4	10
186	Selective annulation of benzamides with internal alkynes catalyzed by an electron-deficient rhodium catalyst. Chinese Chemical Letters, 2021, 32, 1717-1720.	4.8	10
187	Solvent-modulated zincII networks with different stacking arrangements. Journal of Coordination Chemistry, 2014, 67, 3854-3862.	0.8	9
188	One-pot synthesis of imidazolinium salts via the ring opening of tetrahydrofuran. Dalton Transactions, 2017, 46, 12430-12433.	1.6	9
189	Ligandâ€Promoted Rh^{III}â€Catalyzed Thiolation of Benzamides with a Broad Disulfide Scope. Angewandte Chemie, 2019, 131, 9197-9201.	1.6	9
190	A single-crystal to single-crystal transition from a 7-fold interpenetrated coordination polymer to a non-interpenetrated one by photochemical [2 + 2] polymerization and their sensing properties. Dalton Transactions, 2021, 50, 4408-4414.	1.6	9
191	Supramolecular assemblies of Zn(<scp>ii</scp>) complexes with a Dâ€“Ïâ€“A ligand for sensing specific organic molecules. CrystEngComm, 2022, 24, 3612-3620.	1.3	9
192	Silver(I) complexes with oxazoline-containing bidentate ligands: Syntheses, structures and properties. Inorganica Chimica Acta, 2012, 392, 38-45.	1.2	8
193	Coordination polymers with salicylaldehyde ligands: structural diversity, selective sorption and luminescence sensing properties. CrystEngComm, 2020, 22, 304-310.	1.3	8
194	Stabilization of hydrolytically labile iron(II)â€“cysteine peptide thiolate complexes in aqueous triton X-100 micelle solution: Spectroscopic properties mimicking of reduced rubredoxin. Biopolymers, 1998, 46, 1-10.	1.2	7
195	Lanthanide-Organic Frameworks with Flexible Triacid Ligand: Structural Variation Under Different Reaction Conditions. Supramolecular Chemistry, 2006, 18, 317-325.	1.5	7
196	Syntheses and crystal structures of two supramolecular isomers of manganese(II) with 3,5-bis(isonicotinamido)benzoate. Journal of Coordination Chemistry, 2009, 62, 2421-2428.	0.8	7
197	Syntheses, crystal structures and properties of silver(i) and copper(ii) complexes with an oxazoline-containing tetradentate ligand. New Journal of Chemistry, 2010, 34, 2436.	1.4	7
198	Coordination supramolecules with oxazoline-containing ligands. CrystEngComm, 2018, 20, 6109-6121.	1.3	7

#	Article	IF	Citations
199	Synthesis, Structure and Sensing Property of Novel Zinc(II) Framework with Mixed 3,3â€²,5,5â€²â€Tetra(1Hâ€imidazolâ€1â€yl)biphenyl and 2,6â€Naphthalenedicarboxylate Ligands. Israel Journal of Chemistry, 2019, 59, 267-272.	1.0	7
200	Synthesis, structure and properties of luminescent Cd(II) coordination polymers based on imidazole-decorated tetraphenylethylene. Journal of Coordination Chemistry, 2021, 74, 294-305.	0.8	7
201	Cd(II) frameworks with tetracarboxylate and imidazole-containing ligands: Syntheses, structures, adsorption and sensing properties. Journal of Solid State Chemistry, 2022, 312, 123243.	1.4	7
202	Carboxy Ester Hydrolysis Promoted by a Dicopper(II) Macrocyclic Polyamine Complex with Hydroxypropyl Pendant Groups. European Journal of Inorganic Chemistry, 2004, 2004, 1894-1901.	1.0	6
203	Syntheses, structures, and properties of lead(II) and nickel(II) complexes with 3,5-di(1H-imidazol-1-yl)benzoate. Journal of Coordination Chemistry, 2011, 64, 170-178.	0.8	6
204	Three-dimensional 3d-4f heterometallic coordination polymers: syntheses, structures and properties. Supramolecular Chemistry, 2011, 23, 117-124.	1.5	6
205	Syntheses, crystal structures, and properties of silver(I) complexes with oxazoline-containing bidentate ligand. Journal of Coordination Chemistry, 2012, 65, 165-175.	0.8	6
206	Synthesis, structure and magnetic property of cobalt(II) and manganese(II) complexes with mixed organic ligands. Inorganic Chemistry Communication, 2014, 39, 126-130.	1.8	6
207	Title is missing!. Journal of Chemical Crystallography, 2000, 30, 115-118.	0.5	5
208	Cobalt-Based Metalâ€“Organic Frameworks for Adsorption of CO₂ and C₂ Hydrocarbons: Effect of Auxiliary Ligands with Different Functional Groups. Inorganic Chemistry, 2021, 60, 2563-2572.	1.9	5
209	A novel copper framework with amino tridentate Nâ€donor ligand as heterogeneous catalyst for ring opening of epoxides. Applied Organometallic Chemistry, 2021, 35, e6262.	1.7	5
210	Title is missing!. Transition Metal Chemistry, 1999, 24, 628-632.	0.7	4
211	Synthesis and crystal structure of Mn(II) and Zn(II) complexes with 1,3,5-tris(carboxymethoxyl)benzene ligand. Journal of Chemical Crystallography, 2007, 37, 199-205.	0.5	4
212	Zinc(II) Complexes with 1Hâ€imidazolâ€4â€ylâ€Containing Polyamine Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 2009-2015.	0.6	4
213	Mild Three-Step Consecutive Câ€“H Activations. Organic Letters, 2022, 24, 3118-3122.	2.4	4
214	FTIR Study of the Secondary Structure of CytochromeCand its Platinum-Modified Derivatives. Spectroscopy Letters, 1998, 31, 347-358.	0.5	3
215	Electrospray Mass Spectrometric Study on Complexation of Transitional Metal Ions with Oligobipyridine Ligand. Spectroscopy Letters, 2000, 33, 35-46.	0.5	3
216	Preparation, crystal structure and properties of novel Mn(III) complex with 1,3,5-benzenetriacetic acid. Journal of Coordination Chemistry, 2006, 59, 429-435.	0.8	3

#	Article	IF	Citations
217	A MOF-74(Ni) derived partially oxidized Ni@C catalyst for SO₂ electro-oxidation integrated with solar driven hydrogen evolution. Sustainable Energy and Fuels, 2021, 5, 3588-3592.	2.5	3
218	Hydroxyâ€Groupâ€Functionalized Single Crystal of Copper(II)â€Porphyrin Complex for Electroreduction CO 2 to CH 4. ChemSusChem, 2022, , .	3.6	3
219	Synthesis, Crystal Structure and Magnetic Property of Copper(II) Complex with 4â€²-Cyanobenzyl-1-imidazol. Journal of Coordination Chemistry, 2002, 55, 675-680.	0.8	2
220	Synthesis, crystal structure and magnetic property of a two-dimensional herringbone-like network with praseodymium(III) nitrate and 1-bromo- 3,5-bis(imidazol-1-ylmethyl)benzene (bib). Applied Organometallic Chemistry, 2006, 20, 399-403.	1.7	2
221	Synthesis and Crystal Structure of a New 2D Honeycombâ€like Cadmium (II) Complex with Tripodal Ligand. Chinese Journal of Chemistry, 2002, 20, 341-345.	2.6	2
222	Inverse conductance signal outputs of solid-state AgCl electrochemistry dependent on counteranions of Ag-MOFs. Electrochimica Acta, 2022, 424, 140688.	2.6	2
223	Synthesis and Spectroscopic Properties of Iron(H) Complex with Sterically Encumbered Thiolate Ligand: 2,4,6-Triphenylbenzenethiolate. Spectroscopy Letters, 1998, 31, 871-879.	0.5	1
224	Title is missing!. Journal of Chemical Crystallography, 2000, 30, 641-646.	0.5	1
225	Frontispiz: Bottomâ€up Construction of Ïâ€Extended Arenes by a Palladiumâ€Catalyzed Annulative Dimerization of oâ€Iodobiaryl Compounds. Angewandte Chemie, 2018, 130, .	1.6	0
226	Frontispiece: Potential Applications of Cucurbit[n]urils and Their Derivatives in the Capture of Hazardous Chemicals. Chemistry - A European Journal, 2021, 27, .	1.7	0