

He-Gen Zheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Novel MOF-Derived Co@N-C Bifunctional Catalysts for Highly Efficient Zn-Air Batteries and Water Splitting. <i>Advanced Materials</i> , 2018, 30, 1705431.	11.1	667
2	Solvatochromic Behavior of a Nanotubular Metal-Organic Framework for Sensing Small Molecules. <i>Journal of the American Chemical Society</i> , 2011, 133, 4172-4174.	6.6	649
3	Two Lanthanide Metal-Organic Frameworks as Remarkably Selective and Sensitive Bifunctional Luminescence Sensor for Metal Ions and Small Organic Molecules. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1629-1634.	4.0	354
4	Selective separation of methyl orange from water using magnetic ZIF-67 composites. <i>Chemical Engineering Journal</i> , 2018, 333, 49-57.	6.6	313
5	Two New Luminescent Cd(II)-Metal-Organic Frameworks as Bifunctional Chemosensors for Detection of Cations Fe^{3+} , Anions CrO_4^{2-} , and $Cr_2O_7^{2-}$ in Aqueous Solution. <i>Crystal Growth and Design</i> , 2017, 17, 67-72.	1.4	295
6	Two luminescent Zn(II) metal-organic frameworks for exceptionally selective detection of picric acid explosives. <i>Chemical Communications</i> , 2015, 51, 8300-8303.	2.2	227
7	Bifunctional electrocatalysts for Zn-air batteries: recent developments and future perspectives. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6144-6182.	5.2	207
8	Self-Assembly of Interpenetrating Coordination Nets Formed from Interpenetrating Cationic and Anionic Three-Dimensional Diamondoid Cluster Coordination Polymers. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5776-5779.	7.2	176
9	MOF-derived Fe,Co@N-C bifunctional oxygen electrocatalysts for Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9355-9363.	5.2	151
10	MOF-derived Co-MOF,O-doped carbon as trifunctional electrocatalysts to enable highly efficient Zn-air batteries and water-splitting. <i>Journal of Energy Chemistry</i> , 2021, 56, 290-298.	7.1	117
11	A porous metal-organic framework based on Zn_6O_2 clusters: chemical stability, gas adsorption properties and solvatochromic behavior. <i>Chemical Communications</i> , 2013, 49, 555-557.	2.2	112
12	H-Bonding Interactions Induced Two Isostructural Cd(II) Metal-Organic Frameworks Showing Different Selective Detection of Nitroaromatic Explosives. <i>Inorganic Chemistry</i> , 2016, 55, 10999-11005.	1.9	109
13	Syntheses, Structures, and Photoluminescence of Five New Metal-Organic Frameworks Based on Flexible Tetrapyridines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2010, 10, 2676-2684.	1.4	102
14	A Europium-based MOF Fluorescent Probe for Efficiently Detecting Malachite Green and Uric Acid. <i>Inorganic Chemistry</i> , 2020, 59, 7181-7187.	1.9	99
15	Metal-organic frameworks constructed from flexible V-shaped ligands: adjustment of the topology, interpenetration and porosity via a solvent system. <i>Chemical Communications</i> , 2012, 48, 10016.	2.2	96
16	Effective adsorption of Congo red by a MOF-based magnetic material. <i>Dalton Transactions</i> , 2019, 48, 4650-4656.	1.6	96
17	Six New Metal-Organic Frameworks Based on Polycarboxylate Acids and V-shaped Imidazole-Based Synthon: Syntheses, Crystal Structures, and Properties. <i>Inorganic Chemistry</i> , 2011, 50, 2404-2414.	1.9	89
18	A Highly Solvent-Stable Metal-Organic Framework Nanosheet: Morphology Control, Exfoliation, and Luminescent Property. <i>Small</i> , 2018, 14, e1703873.	5.2	88

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19	A microporous metal-organic framework with FeS ₂ topology based on [Zn ₆ (1/46-O)] cluster for reversible sensing of small molecules. <i>Chemical Communications</i> , 2012, 48, 7967.	2.2	85
20	Syntheses, Characterizations, and Properties of Six Metal-Organic Complexes Based on Flexible Ligand 5-(4-Pyridyl)-methoxyl Isophthalic Acid. <i>Crystal Growth and Design</i> , 2010, 10, 4176-4183.	1.4	84
21	Effect of Carboxylate Coligands with Different Rigidity on Supramolecular Architectures Based on One Rigid Didentate Linear Ligand. <i>Crystal Growth and Design</i> , 2012, 12, 403-413.	1.4	82
22	Three self-penetrated, interlocked, and polycatenated supramolecular isomers via one-pot synthesis and crystallization. <i>Chemical Communications</i> , 2012, 48, 681-683.	2.2	78
23	Three Cd(II) MOFs with Different Functional Groups: Selective CO ₂ Capture and Metal Ions Detection. <i>Inorganic Chemistry</i> , 2018, 57, 5232-5239.	1.9	78
24	Assembly of Zr-MOF crystals onto magnetic beads as a highly adsorbent for recycling nitrophenol. <i>Chemical Engineering Journal</i> , 2017, 323, 74-83.	6.6	77
25	Photodegradation of Some Organic Dyes over Two Metal-Organic Frameworks with Especially High Efficiency for Safranin T. <i>Crystal Growth and Design</i> , 2017, 17, 1293-1298.	1.4	75
26	Syntheses, Structures, and Characteristics of Four New Metal-Organic Frameworks Based on Flexible Tetrapyridines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2012, 12, 3426-3435.	1.4	74
27	[WS ₄ Cu ₃ I ₂] ⁺ and [WS ₄ Cu ₄] ²⁺ secondary building units formed a metal-organic framework: Large tubes in a highly interpenetrated system. <i>Chemical Communications</i> , 2011, 47, 2919.	2.2	73
28	Series of Metal-Organic Frameworks Including Novel Architectural Features Based on a Star-like Tri(4-pyridylphenyl)amine Ligand. <i>Crystal Growth and Design</i> , 2013, 13, 1961-1969.	1.4	71
29	Three New Heterothiometallic Cluster Polymers with Fascinating Topologies. <i>Inorganic Chemistry</i> , 2009, 48, 5772-5778.	1.9	70
30	Three Highly Stable Cobalt MOFs Based on V-Shaped Carboxylic Acid: Synthesis and Absorption of Anionic Dyes. <i>Inorganic Chemistry</i> , 2016, 55, 8816-8821.	1.9	70
31	Exploring the Detection of Metal Ions by Tailoring the Coordination Mode of V-Shaped Thienylpyridyl Ligand in Three MOFs. <i>Inorganic Chemistry</i> , 2017, 56, 2936-2940.	1.9	69
32	Three New Coordination Polymers Based on One Reduced Symmetry Tripodal Linker. <i>Crystal Growth and Design</i> , 2011, 11, 3115-3121.	1.4	67
33	The rational synthesis of (10,3)-type MOFs based on tetranuclear [W(Mo)OS ₃ Cu ₃] ⁺ secondary building units. <i>Chemical Communications</i> , 2011, 47, 10049.	2.2	67
34	Metal-Organic Frameworks Based on Flexible V-Shaped Polycarboxylate Acids: Hydrogen Bondings, Non-Interpenetrated and Polycatenated. <i>Crystal Growth and Design</i> , 2012, 12, 4072-4082.	1.4	67
35	Syntheses, structures, photoluminescence and magnetic properties of five compounds with 1,3,5-benzenetricarboxylate acid and imidazole ligands. <i>CrystEngComm</i> , 2010, 12, 612-619.	1.3	60
36	Two stable 3D porous metal-organic frameworks with high selectivity for detection of PA and metal ions. <i>Dyes and Pigments</i> , 2017, 136, 515-521.	2.0	59

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37	Crystal Structures and Spectroscopic Properties of Metal-Organic Frameworks Based on Rigid Ligands with Flexible Functional Groups. <i>Crystal Growth and Design</i> , 2014, 14, 491-499.	1.4	58
38	One non-interpenetrated chiral porous multifunctional metal-organic framework and its applications for sensing small solvent molecules and adsorption. <i>Chemical Communications</i> , 2015, 51, 2447-2449.	2.2	58
39	Metal-Organic Frameworks Constructed from Versatile [WS ₄ Cu _x] ^x Units: Micropores in Highly Interpenetrated Systems. <i>Chemistry - A European Journal</i> , 2012, 18, 2812-2824.	1.7	57
40	Diverse Structures of Metal-Organic Frameworks Based on a New Star-Like Tri(4-pyridylphenyl)amine Ligand. <i>Crystal Growth and Design</i> , 2012, 12, 3957-3963.	1.4	54
41	Syntheses, Characterization, and Luminescence Properties of Four Metal-Organic Frameworks Based on a Linear-Shaped Rigid Pyridine Ligand. <i>Crystal Growth and Design</i> , 2016, 16, 2496-2503.	1.4	54
42	A Water-Stable Tb-MOF As a Rapid, Accurate, and Highly Sensitive Ratiometric Luminescent Sensor for the Discriminative Sensing of Antibiotics and D ₂ O in H ₂ O. <i>Inorganic Chemistry</i> , 2021, 60, 10513-10521.	1.9	54
43	Three Zn(II)-based MOFs for luminescence sensing of Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions. <i>Dalton Transactions</i> , 2018, 47, 3298-3302.	1.6	51
44	A second-order nonlinear optical material with a hydrated homochiral helix obtained via spontaneous symmetric breaking crystallization from an achiral ligand. <i>Chemical Communications</i> , 2013, 49, 3585.	2.2	50
45	Zn(II)/Cd(II) Terephthalate Coordination Polymers Incorporating Bi-, Tri-, and Tetra-topic Phenylamine Derivatives: Crystal Structures and Photoluminescent Properties. <i>Crystal Growth and Design</i> , 2016, 16, 2747-2755.	1.4	50
46	Novel MOF-derived hollow CoFe alloy coupled with N-doped Ketjen Black as boosted bifunctional oxygen catalysts for Zn-air batteries. <i>Chemical Engineering Journal</i> , 2022, 427, 131614.	6.6	50
47	Syntheses, structures, photoluminescence and magnetic properties of four new metal-organic frameworks based on imidazole ligands and aromatic polycarboxylate acids. <i>CrystEngComm</i> , 2011, 13, 857-865.	1.3	48
48	Solvothermal synthesis, structures and physical properties of four new complexes constructed from multi-variant tricarboxylate ligand and pyridyl-based ligands. <i>CrystEngComm</i> , 2011, 13, 459-466.	1.3	47
49	Trimetal-based N-doped carbon nanotubes arrays on Ni foams as self-supported electrodes for hydrogen/oxygen evolution reactions and water splitting. <i>Journal of Power Sources</i> , 2020, 480, 228866.	4.0	46
50	Four New Luminescent Metal-Organic Frameworks as Multifunctional Sensors for Detecting Fe ³⁺ , Cr ₂ O ₇ ²⁻ and Nitromethane. <i>Crystal Growth and Design</i> , 2020, 20, 1898-1904.	1.4	45
51	A triphenylamine-functionalized luminescent sensor for efficient p-nitroaniline detection. <i>Dalton Transactions</i> , 2018, 47, 7222-7228.	1.6	44
52	Fluorescence recognition of adenosine triphosphate and uric acid by two Eu-based metal-organic frameworks. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6051-6061.	2.7	44
53	Cd-Based metal-organic frameworks from solvothermal reactions involving in situ aldimine condensation and the highly sensitive detection of Fe ³⁺ ions. <i>Dalton Transactions</i> , 2017, 46, 2332-2338.	1.6	43
54	Structure-property relationship of homochiral and achiral supramolecular isomers obtained by one-pot synthesis. <i>Chemical Communications</i> , 2012, 48, 10757.	2.2	42

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55	Two MOFs as dual-responsive photoluminescence sensors for metal and inorganic ion detection. Dalton Transactions, 2018, 47, 8257-8263.	1.6	41
56	A new five-coordinated copper compound for efficient degradation of methyl orange and Congo red in the absence of UV-visible radiation. Dalton Transactions, 2016, 45, 18566-18571.	1.6	40
57	Five Novel Coordination Polymers Based on a C-Centered Triangular Flexible Ligand. Crystal Growth and Design, 2012, 12, 1022-1031.	1.4	38
58	Interpenetrated Metal-Organic Framework with Selective Gas Adsorption and Luminescent Properties. Crystal Growth and Design, 2014, 14, 2742-2746.	1.4	36
59	Syntheses, structures, magnetic and photoluminescence properties of metal-organic frameworks based on aromatic polycarboxylate acids. CrystEngComm, 2011, 13, 1617-1624.	1.3	35
60	Effects of structural optimization on the performance of dye-sensitized solar cells: spirobifluorene as a promising building block to enhance V_{oc} . Journal of Materials Chemistry A, 2016, 4, 11782-11788.	5.2	35
61	Critical factors influencing the structures and properties of metal-organic frameworks. CrystEngComm, 2015, 17, 981-991.	1.3	34
62	Three Anionic Indium-Organic Frameworks for Highly Efficient and Selective Dye Adsorption, Lanthanide Adsorption, and Luminescence Regulation. Inorganic Chemistry, 2019, 58, 8396-8407.	1.9	34
63	Controlled Synthesis of Three-Fold Dendrites of $Ce(OH)CO_3$ with Multilayer Caltrop and Their Thermal Conversion to CeO_2 . Crystal Growth and Design, 2012, 12, 271-280.	1.4	31
64	Chiral 3D/3D hetero-interpenetrating framework with six kinds of helices, 3D polyrotaxane and 2D network via one-pot reaction. CrystEngComm, 2013, 15, 227-230.	1.3	31
65	Syntheses, Characterizations, Luminescent Properties, and Controlling Interpenetration of Five Metal-Organic Frameworks Based on Bis(4-(pyridine-4-yl)phenyl)amine. Crystal Growth and Design, 2015, 15, 1303-1310.	1.4	31
66	Three 2D/2D + 2D or 3D Coordination Polymers: Parallel Stacked, Interpenetration, and Polycatenated. Crystal Growth and Design, 2013, 13, 5045-5049.	1.4	30
67	Picolinic acid as an efficient tridentate anchoring group adsorbing at Lewis acid sites and Brønsted acid sites of the TiO_2 surface in dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 14809-14816.	5.2	30
68	Five New Transition Metal Coordination Polymers Based on V-Shaped Bis-triazole Ligand with Aromatic Dicarboxylates: Syntheses, Structures, and Properties. Crystal Growth and Design, 2017, 17, 2757-2766.	1.4	29
69	Tuning Structural Topologies of a Series of Metal-Organic Frameworks: Different Bent Dicarboxylates. Crystal Growth and Design, 2013, 13, 2111-2117.	1.4	28
70	Effects of heterocycles containing different atoms as π -bridges on the performance of dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2015, 17, 16334-16340.	1.3	28
71	Assembly of various degrees of interpenetration of Co-MOFs based on mononuclear or dinuclear cluster units: magnetic properties and gas adsorption. Dalton Transactions, 2015, 44, 4751-4758.	1.6	28
72	Syntheses, Structures, Photochemical and Magnetic Properties of Novel Divalent Cd/Mn Coordination Polymers Based on a Semirigid Tripodal Carboxylate Ligand. Crystal Growth and Design, 2013, 13, 1694-1702.	1.4	26

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73	The impact of adjusting auxiliary donors on the performance of dye-sensitized solar cells based on phenothiazine D-D- Γ -A sensitizers. <i>Dyes and Pigments</i> , 2017, 146, 127-135.	2.0	26
74	Two pairs of isomorphism and two 3D metal-organic frameworks based on a star-like ligand tri(4-pyridylphenyl)amine. <i>CrystEngComm</i> , 2014, 16, 698-706.	1.3	25
75	Construction of Metal-Organic Frameworks Based on Two Neutral Tetradentate Ligands. <i>Crystal Growth and Design</i> , 2012, 12, 4911-4918.	1.4	24
76	Synthesis and properties of five unexpected copper complexes with ring-cleavage of 3,6-di-2-pyridyl-1,2,4,5-tetrazine by one pot in situ hydrothermal reaction. <i>CrystEngComm</i> , 2012, 14, 2258.	1.3	24
77	Enhanced performance of dye-sensitized solar cells with Y-shaped organic dyes containing di-anchoring groups. <i>New Journal of Chemistry</i> , 2016, 40, 2799-2805.	1.4	24
78	A second-order nonlinear optical material with a 5-fold interpenetrating diamondoid framework based on two achiral precursors: spontaneous resolution to absolute chiral induction. <i>Dalton Transactions</i> , 2017, 46, 4589-4594.	1.6	24
79	Syntheses, crystal structures, dye degradation and luminescence sensing properties of four coordination polymers. <i>CrystEngComm</i> , 2020, 22, 2327-2335.	1.3	24
80	Structural Diversity and Properties of Six 2D or 3D Metal-Organic Frameworks Based on Thiophene-Containing Ligand. <i>Crystal Growth and Design</i> , 2012, 12, 5783-5791.	1.4	23
81	Syntheses, characterizations and properties of five new metal-organic complexes based on flexible ligand 4,4'-(phenylazanediyl)dibenzoic acid. <i>CrystEngComm</i> , 2013, 15, 616-627.	1.3	23
82	Syntheses, crystal structures and non-linear optical properties of two novel windmill-shaped clusters: [M ₂ Pd ₄ S ₈ (dppm) ₂] \cdot 4DMF (M = W or Mo). <i>Dalton Transactions RSC</i> , 2000, , 2145-2149.	2.3	22
83	A rare three-coordinated zinc cluster-organic framework with two types of secondary building units. <i>Chemical Communications</i> , 2015, 51, 2899-2902.	2.2	22
84	Diverse structures of metal-organic frameworks based on different metal ions: luminescence and gas adsorption properties. <i>Dalton Transactions</i> , 2015, 44, 4238-4245.	1.6	22
85	Structures and applications of metal-organic frameworks featuring metal clusters. <i>CrystEngComm</i> , 2017, 19, 745-757.	1.3	22
86	An excellent example illustrating the fluorescence sensing property of cobalt-organic frameworks. <i>Dalton Transactions</i> , 2019, 48, 2285-2289.	1.6	22
87	Syntheses, structures, and photoluminescent properties of a series of metal-organic frameworks constructed by 5,5'-bis(1H-imidazol-1-yl)-2,2'-bithiophene and various carboxylate ligands. <i>CrystEngComm</i> , 2014, 16, 900-909.	1.3	21
88	Syntheses, structures, and properties of six cobalt complexes based on a tripodal tris(4-(1H-1,2,4-triazol-1-yl)phenyl)amine ligand. <i>Dalton Transactions</i> , 2015, 44, 16854-16864.	1.6	21
89	Organic electroluminescent derivatives containing dibenzothiophene and diarylamine segments. <i>Journal of Materials Chemistry</i> , 2005, 15, 3233.	6.7	20
90	Unusual three-dimensional coordination networks with [WS ₄ Cu ₆] cluster nodes and Γ -C ₃ N ₄ topology. <i>CrystEngComm</i> , 2009, 11, 605-609.	1.3	19

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91	Organic-inorganic hybrid coordination polymers based on the 5-oxyacetate isophthalic acid (H3OABDC) ligand: syntheses, structures, magnetic and luminescent properties. <i>CrystEngComm</i> , 2010, 12, 4424.	1.3	19
92	Three different metal-organic frameworks derived from a one-pot crystallization and their controllable synthesis. <i>Chemical Communications</i> , 2015, 51, 8338-8341.	2.2	18
93	Six isostructural lanthanide-containing MOFs built on a semi-rigid tripodal organic ligand. <i>Inorganic Chemistry Communication</i> , 2017, 78, 1-4.	1.8	18
94	A bifunctional photoluminescent metal-organic framework for detection of Fe ³⁺ ion and nitroaromatics. <i>Inorganic Chemistry Communication</i> , 2018, 89, 68-72.	1.8	18
95	Three metal-organic framework isomers of different pore sizes for selective CO ₂ adsorption and isomerization studies. <i>Dalton Transactions</i> , 2020, 49, 5618-5624.	1.6	18
96	Four new metal-organic frameworks based on a rigid linear ligand: synthesis, optical properties and structural investigation. <i>CrystEngComm</i> , 2014, 16, 5662-5671.	1.3	17
97	Promising alkoxy-wrapped porphyrins with novel push-pull moieties for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14883-14889.	5.2	17
98	Energetic MOF-derived cobalt/iron nitrides embedded into N, S-codoped carbon nanotubes as superior bifunctional oxygen catalysts for Zn-air batteries. <i>Applied Surface Science</i> , 2021, 569, 151030.	3.1	17
99	Cyclopentane-teracarboxylic Metal-Organic Frameworks: Tuning the Distance between Layers and Pore Structures with N-Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 4951-4957.	1.9	16
100	Insight into the effects of modifying ĩ-bridges on the performance of dye-sensitized solar cells containing triphenylamine dyes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29555-29560.	1.3	16
101	Syntheses, characterization, and properties of five coordination compounds based on the ligand tetrakis(4-pyridyloxymethylene)methane. <i>CrystEngComm</i> , 2014, 16, 3917-3925.	1.3	15
102	Syntheses, Structures, and Properties of Four Metal-Organic Frameworks Based on a N-Centered Multidentate Pyridine-Carboxylate Bifunctional Ligand. <i>Crystal Growth and Design</i> , 2016, 16, 4711-4719.	1.4	15
103	The synthesis, structure and third-order nonlinear optical effect of a new 2D cluster polymer based on a [WS ₄ Cu ₄] ²⁺ SBU and 1,2-di(pyridin-4-yl)ethane. <i>CrystEngComm</i> , 2013, 15, 7354.	1.3	14
104	Anion-selectivity of cationic cluster-organic nanospheres based on a nest-shaped [MS ₄ Cu ₃ X ₃] clustermonomer with a ditopic ligand. <i>CrystEngComm</i> , 2013, 15, 5016.	1.3	14
105	MOF-derived CoNi,CoO,NiO@N-C bifunctional oxygen electrocatalysts for liquid and all-solid-state Zn-air batteries. <i>Nanoscale</i> , 2021, 13, 17655-17662.	2.8	14
106	Synthesis, Structural Characterization of a Novel 4,4'-Bipyridyl Based HgI ₂ Adduct. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2003, 33, 1-10.	1.8	13
107	Molecular Tectonics of Four-Connected Network Topologies by Regulating the Ratios of Tetrahedral and Square-Planar Building Units. <i>Crystal Growth and Design</i> , 2014, 14, 6607-6612.	1.4	13
108	Two new Zn(II)/Cu(II) complexes based on bi- and tritopic 1,2,4-triazole derivatives with glutaric acid: Syntheses, structures, luminescent and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2017, 79, 21-24.	1.8	13

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109	Synthesis, crystal structure and non-linear optical properties of the heterobimetallic polymeric compound $\{[n\text{-Bu}_4\text{N}][\text{W}_2\text{Ag}_3\text{S}_8]\}_n$. <i>CrystEngComm</i> , 2003, 5, 62-64.	1.3	12
110	Construction of a series of metal-organic frameworks with a neutral tetradentate ligand and rigid carboxylate co-ligands. <i>CrystEngComm</i> , 2012, 14, 8274.	1.3	12
111	Application of W-Cu-S-based secondary building units in functional metal-organic frameworks. <i>CrystEngComm</i> , 2013, 15, 9265.	1.3	12
112	Improvement of photovoltaic performance of DSSCs by modifying panchromatic zinc porphyrin dyes with heterocyclic units. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20841-20848.	5.2	12
113	Improvement of dye-sensitized solar cells performance through introducing different heterocyclic groups to triarylamine dyes. <i>RSC Advances</i> , 2015, 5, 3720-3727.	1.7	12
114	A pair of 3D enantiotopic zinc(ii) complexes based on two asymmetric achiral ligands. <i>Dalton Transactions</i> , 2017, 46, 14779-14784.	1.6	12
115	Stable Cd Metal-Organic Framework as a Multiresponsive Luminescent Biosensor for Rapid, Accurate, and Recyclable Detection of Hippuric Acid, Nucleoside Phosphates, and Fe^{3+} in Urine and Serum. <i>Inorganic Chemistry</i> , 2022, 61, 11243-11251.	1.9	12
116	Two new luminescent Cd(II)/Zn(II) metal-organic frameworks for exceptionally selective detection of picric acid explosives. <i>Inorganic Chemistry Communication</i> , 2016, 66, 51-54.	1.8	11
117	Crystal Structure and Excited Optical Nonlinearity of a 1D Polymeric $[\text{W}_2\text{O}_2\text{S}_6\text{Cu}_4(\text{NCMe})_4]_n$ Cluster. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2754-2758.	1.0	10
118	Eight new complexes based on flexible multicarboxylate ligands: synthesis, structures and properties. <i>CrystEngComm</i> , 2010, 12, 3183.	1.3	10
119	Improving the Stability and Visualizing the Structural Transformation of the Stimuli-Responsive Metal-Organic Frameworks (MOFs). <i>Inorganic Chemistry</i> , 2020, 59, 5093-5098.	1.9	10
120	Energetic MOF-derived hollow carbon tubes with interconnected channels and encapsulated nickel-cobalt alloy sites as bifunctional catalysts for Zn-air batteries with stable cycling over 600 cycles. <i>Applied Surface Science</i> , 2022, 591, 153070.	3.1	10
121	Synthesis, crystal structure and nonlinear optical properties of a cluster compound containing the bipy ligand. <i>Transition Metal Chemistry</i> , 2004, 29, 185-188.	0.7	9
122	Syntheses, characterization, and magnetic properties of novel divalent Co/Ni coordination polymers based on a V-shaped pyridine ligand and dicarboxylate acids. <i>RSC Advances</i> , 2015, 5, 64514-64519.	1.7	9
123	Diverse structures of metal-organic frameworks via a side chain adjustment: interpenetration and gas adsorption. <i>Dalton Transactions</i> , 2016, 45, 16205-16210.	1.6	9
124	Mixed matrix membranes containing fluorescent coordination polymers for detecting Cr^{2+} with high sensitivity, stability and recyclability. <i>Dalton Transactions</i> , 2021, 50, 7944-7948.	1.6	9
125	The difference in the CO_2 adsorption capacities of different functionalized pillar-layered metal-organic frameworks (MOFs). <i>Dalton Transactions</i> , 2021, 50, 9310-9316.	1.6	9
126	Dicarboxylate-dependent structural diversity in amino-functionalized complexes: From mononuclear to multinuclear coordination polymer. <i>Inorganic Chemistry Communication</i> , 2016, 69, 4-6.	1.8	8

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127	A novel and efficient method of MOF-derived electrocatalyst for HER performance through doping organic ligands. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7833-7842.	3.2	8
128	Porous and single crystalline Co ₃ O ₄ nanospheres for pseudocapacitors with enhanced performance. <i>RSC Advances</i> , 2015, 5, 27266-27272.	1.7	7
129	Reactions of singlet phosphinidene and its hydroxy derivative with polar molecule hydrogen fluoride. <i>Molecular Physics</i> , 2006, 104, 599-605.	0.8	6
130	Four coordination polymers derived from a one-pot reaction and their controlled synthesis. <i>Dalton Transactions</i> , 2016, 45, 6418-6423.	1.6	6
131	Two bifunctional photoluminescent Zn (II) coordination polymers for detection of Fe ³⁺ ion and nitrobenzene. <i>Inorganic Chemistry Communication</i> , 2019, 107, 107479.	1.8	6
132	Construction of a novel Cd(II) coordination polymer based on a flexible tripodal carboxylic acid and bimid coligands. <i>Inorganic Chemistry Communication</i> , 2017, 79, 17-20.	1.8	5
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