

He-Gen Zheng

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#	Paper	IF	Citations
143	Solvatochromic behavior of a nanotubular metal-organic framework for sensing small molecules. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4172-4	16.4	609
142	Novel MOF-Derived Co@N-C Bifunctional Catalysts for Highly Efficient Zn-Air Batteries and Water Splitting. <i>Advanced Materials</i> , 2018 , 30, 1705431	24	514
141	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	9.5	282
140	Two New Luminescent Cd(II)-Metal-Organic Frameworks as Bifunctional Chemosensors for Detection of Cations Fe ³⁺ , Anions CrO ₄ ²⁻ and Cr ₂ O ₇ ²⁻ in Aqueous Solution. <i>Crystal Growth and Design</i> , 2017 , 17, 67-72	3.5	242
139	Two luminescent Zn(II) metal-organic frameworks for exceptionally selective detection of picric acid explosives. <i>Chemical Communications</i> , 2015 , 51, 8300-3	5.8	199
138	Selective separation of methyl orange from water using magnetic ZIF-67 composites. <i>Chemical Engineering Journal</i> , 2018 , 333, 49-57	14.7	197
137	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, 5776-9	16.4	171
136	A porous metal-organic framework based on Zn ₆ O ₂ clusters: chemical stability, gas adsorption properties and solvatochromic behavior. <i>Chemical Communications</i> , 2013 , 49, 555-7	5.8	106
135	Syntheses, Structures, and Photoluminescence of Five New Metal-Organic Frameworks Based on Flexible Tetrpyridines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2010 , 10, 2676-2684	2.5	102
134	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, 10016-8	5.8	92
133	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	5.1	88
132	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, 2404-14	5.1	88
131	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	3.5	83
130	A microporous metal-organic framework with FeS(2) topology based on [Zn ₆ (β-O)] cluster for reversible sensing of small molecules. <i>Chemical Communications</i> , 2012 , 48, 7967-9	5.8	82
129	Bifunctional electrocatalysts for Zn-air batteries: recent developments and future perspectives. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6144-6182	13	81
128	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	3.5	77
127	MOF-derived Fe,Co@N-C bifunctional oxygen electrocatalysts for Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9355-9363	13	77

126	Three self-penetrated, interlocked, and polycatenated supramolecular isomers via one-pot synthesis and crystallization. <i>Chemical Communications</i> , 2012 , 48, 681-3	5.8	75
125	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	3.5	70
124	[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, 2919-21	5.8	70
123	Three new heterothiometallic cluster polymers with fascinating topologies. <i>Inorganic Chemistry</i> , 2009 , 48, 5772-8	5.1	69
122	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	3.5	66
121	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	3.5	65
120	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	3.5	64
119	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, 10049-51	5.8	64
118	Three New Coordination Polymers Based on One Reduced Symmetry Tripodal Linker. <i>Crystal Growth and Design</i> , 2011 , 11, 3115-3121	3.5	64
117	Three Highly Stable Cobalt MOFs Based on "Y"-Shaped Carboxylic Acid: Synthesis and Absorption of Anionic Dyes. <i>Inorganic Chemistry</i> , 2016 , 55, 8816-21	5.1	63
116	Effective adsorption of Congo red by a MOF-based magnetic material. <i>Dalton Transactions</i> , 2019 , 48, 4650-4656	4.3	61
115	Three Cd(II) MOFs with Different Functional Groups: Selective CO Capture and Metal Ions Detection. <i>Inorganic Chemistry</i> , 2018 , 57, 5232-5239	5.1	59
114	A Highly Solvent-Stable Metal-Organic Framework Nanosheet: Morphology Control, Exfoliation, and Luminescent Property. <i>Small</i> , 2018 , 14, e1703873	11	59
113	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	3.3	58
112	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, 2447-9	5.8	57
111	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	3.5	57
110	Assembly of Zr-MOF crystals onto magnetic beads as a highly adsorbent for recycling nitrophenol. <i>Chemical Engineering Journal</i> , 2017 , 323, 74-83	14.7	55
109	Metal-organic frameworks constructed from versatile [WS ₄ Cu(x)](x-2) units: micropores in highly interpenetrated systems. <i>Chemistry - A European Journal</i> , 2012 , 18, 2812-24	4.8	53

108	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	5.1	51
107	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	3.5	50
106	A Europium-based MOF Fluorescent Probe for Efficiently Detecting Malachite Green and Uric Acid. <i>Inorganic Chemistry</i> , 2020 , 59, 7181-7187	5.1	49
105	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	3.5	48
104	Zn(II)/Cd(II) Terephthalate Coordination Polymers Incorporating Bi-, Tri-, and Tetratopic Phenylamine Derivatives: Crystal Structures and Photoluminescent Properties. <i>Crystal Growth and Design</i> , 2016 , 16, 2747-2755	3.5	48
103	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	3.3	47
102	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, 3585-7	5.8	46
101	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	4.6	46
100	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	3.3	46
99	Three Zn(ii)-based MOFs for luminescence sensing of Fe and CrO ions. <i>Dalton Transactions</i> , 2018 , 47, 3298-3302	4.3	43
98	Structure-property relationship of homochiral and achiral supramolecular isomers obtained by one-pot synthesis. <i>Chemical Communications</i> , 2012 , 48, 10757-9	5.8	42
97	MOF-derived Co-MOF, O-doped carbon as trifunctional electrocatalysts to enable highly efficient Zn ir batteries and water-splitting. <i>Journal of Energy Chemistry</i> , 2021 , 56, 290-298	12	41
96	Cd-Based metal-organic frameworks from solvothermal reactions involving in situ aldimine condensation and the highly sensitive detection of Fe ions. <i>Dalton Transactions</i> , 2017 , 46, 2332-2338	4.3	39
95	Five Novel Coordination Polymers Based on a C-Centered Triangular Flexible Ligand. <i>Crystal Growth and Design</i> , 2012 , 12, 1022-1031	3.5	36
94	Syntheses, structures, magnetic and photoluminescence properties of metal-organic frameworks based on aromatic polycarboxylate acids. <i>CrystEngComm</i> , 2011 , 13, 1617-1624	3.3	35
93	A triphenylamine-functionalized luminescent sensor for efficient p-nitroaniline detection. <i>Dalton Transactions</i> , 2018 , 47, 7222-7228	4.3	33
92	Two MOFs as dual-responsive photoluminescence sensors for metal and inorganic ion detection. <i>Dalton Transactions</i> , 2018 , 47, 8257-8263	4.3	33
91	Interpenetrated Metal-Organic Framework with Selective Gas Adsorption and Luminescent Properties. <i>Crystal Growth and Design</i> , 2014 , 14, 2742-2746	3.5	32

90	Effects of structural optimization on the performance of dye-sensitized solar cells: spirobifluorene as a promising building block to enhance Voc. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11782-11788	13	31
89	Five New Transition Metal Coordination Polymers Based on V-Shaped Bis-triazole Ligand with Aromatic Dicarboxylates: Syntheses, Structures, and Properties. <i>Crystal Growth and Design</i> , 2017 , 17, 2757-2766	3.5	29
88	Three Anionic Indium-Organic Frameworks for Highly Efficient and Selective Dye Adsorption, Lanthanide Adsorption, and Luminescence Regulation. <i>Inorganic Chemistry</i> , 2019 , 58, 8396-8407	5.1	29
87	A new five-coordinated copper compound for efficient degradation of methyl orange and Congo red in the absence of UV-visible radiation. <i>Dalton Transactions</i> , 2016 , 45, 18566-18571	4.3	29
86	Syntheses, Characterizations, Luminescent Properties, and Controlling Interpenetration of Five Metal-Organic Frameworks Based on Bis(4-(pyridine-4-yl)phenyl)amine. <i>Crystal Growth and Design</i> , 2015 , 15, 1303-1310	3.5	29
85	Three 2D/2D-j2D or 3D Coordination Polymers: Parallel Stacked, Interpenetration, and Polycatenated. <i>Crystal Growth and Design</i> , 2013 , 13, 5045-5049	3.5	29
84	Critical factors influencing the structures and properties of metal-organic frameworks. <i>CrystEngComm</i> , 2015 , 17, 981-991	3.3	28
83	Chiral 3D/3D hetero-interpenetrating framework with six kinds of helices, 3D polyrotaxane and 2D network via one-pot reaction. <i>CrystEngComm</i> , 2013 , 15, 227-230	3.3	28
82	Controlled Synthesis of Three-Fold Dendrites of Ce(OH)CO ₃ with Multilayer Caltrop and Their Thermal Conversion to CeO ₂ . <i>Crystal Growth and Design</i> , 2012 , 12, 271-280	3.5	28
81	Tuning Structural Topologies of a Series of Metal-Organic Frameworks: Different Bent Dicarboxylates. <i>Crystal Growth and Design</i> , 2013 , 13, 2111-2117	3.5	27
80	Syntheses, Structures, Photochemical and Magnetic Properties of Novel Divalent Cd/Mn Coordination Polymers Based on a Semirigid Tripodal Carboxylate Ligand. <i>Crystal Growth and Design</i> , 2013 , 13, 1694-1702	3.5	26
79	Effects of heterocycles containing different atoms as bridges on the performance of dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 16334-40	3.6	26
78	Assembly of various degrees of interpenetration of Co-MOFs based on mononuclear or dinuclear cluster units: magnetic properties and gas adsorption. <i>Dalton Transactions</i> , 2015 , 44, 4751-8	4.3	26
77	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. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14809-14816	5.3	25
76	Construction of Metal-Organic Frameworks Based on Two Neutral Tetradentate Ligands. <i>Crystal Growth and Design</i> , 2012 , 12, 4911-4918	3.5	24
75	Four New Luminescent Metal-Organic Frameworks as Multifunctional Sensors for Detecting Fe ³⁺ , Cr ^{2O7} ²⁻ and Nitromethane. <i>Crystal Growth and Design</i> , 2020 , 20, 1898-1904	3.5	24
74	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	3.6	23
73	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	3.3	23

72	Syntheses, characterizations and properties of five new metal-organic complexes based on flexible ligand 4,4'-(phenylazanediy) dibenzoic acid. <i>CrystEngComm</i> , 2013 , 15, 616-627	3-3	23
71	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	4-3	22
70	Syntheses, crystal structures and non-linear optical properties of two novel windmill-shaped clusters: [M ₂ Pd ₄ S ₈ (dppm) ₂] ₄ DMF (M = W or Mo). <i>Dalton Transactions RSC</i> , 2000 , 2145-2149		22
69	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	8-9	22
68	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	3-3	21
67	The impact of adjusting auxiliary donors on the performance of dye-sensitized solar cells based on phenothiazine D-D- π A sensitizers. <i>Dyes and Pigments</i> , 2017 , 146, 127-135	4-6	21
66	A rare three-coordinated zinc cluster-organic framework with two types of secondary building units. <i>Chemical Communications</i> , 2015 , 51, 2899-902	5-8	21
65	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	3-5	21
64	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	3-3	21
63	Structures and applications of metal-organic frameworks featuring metal clusters. <i>CrystEngComm</i> , 2017 , 19, 745-757	3-3	20
62	Diverse structures of metal-organic frameworks based on different metal ions: luminescence and gas adsorption properties. <i>Dalton Transactions</i> , 2015 , 44, 4238-45	4-3	20
61	Syntheses, structures, and properties of six cobalt(II) complexes based on a tripodal tris(4-(1H-1,2,4-triazol-1-yl)phenyl)amine ligand. <i>Dalton Transactions</i> , 2015 , 44, 16854-64	4-3	19
60	Organic-organic hybrid coordination polymers based on the 5-oxycetate isophthalic acid (H ₃ OABDC) ligand: syntheses, structures, magnetic and luminescent properties. <i>CrystEngComm</i> , 2010 , 12, 4424	3-3	19
59	Organic electroluminescent derivatives containing dibenzothiophene and diarylamine segments. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3233		19
58	Unusual three-dimensional coordination networks with [WS ₄ Cu ₆] cluster nodes and $\text{EC}3\text{N}4$ topology. <i>CrystEngComm</i> , 2009 , 11, 605-609	3-3	18
57	Four new metal-organic frameworks based on a rigid linear ligand: synthesis, optical properties and structural investigation. <i>CrystEngComm</i> , 2014 , 16, 5662-5671	3-3	17
56	Six isostructural lanthanide-containing MOFs built on a semi-rigid tripodal organic ligand. <i>Inorganic Chemistry Communication</i> , 2017 , 78, 1-4	3-1	16
55	Syntheses, crystal structures, dye degradation and luminescence sensing properties of four coordination polymers. <i>CrystEngComm</i> , 2020 , 22, 2327-2335	3-3	16

54	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	13	16
53	A Water-Stable Tb-MOF As a Rapid, Accurate, and Highly Sensitive Ratiometric Luminescent Sensor for the Discriminative Sensing of Antibiotics and DO in HO. <i>Inorganic Chemistry</i> , 2021 , 60, 10513-10521	5.1	16
52	Three different metal-organic frameworks derived from a one-pot crystallization and their controllable synthesis. <i>Chemical Communications</i> , 2015 , 51, 8338-41	5.8	15
51	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	3.5	15
50	An excellent example illustrating the fluorescence sensing property of cobalt-organic frameworks. <i>Dalton Transactions</i> , 2019 , 48, 2285-2289	4.3	14
49	A bifunctional photoluminescent metal-organic framework for detection of Fe ³⁺ ion and nitroaromatics. <i>Inorganic Chemistry Communication</i> , 2018 , 89, 68-72	3.1	14
48	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	3.3	14
47	Anion-selectivity of cationic cluster-organic nanospheres based on a nest-shaped [MS ₄ Cu ₃ X ₃] cluster monomer with a ditopic ligand. <i>CrystEngComm</i> , 2013 , 15, 5016	3.3	14
46	Cyclopentaneteracarboxylic Metal-Organic Frameworks: Tuning the Distance between Layers and Pore Structures with N-Ligands. <i>Inorganic Chemistry</i> , 2016 , 55, 4951-7	5.1	14
45	Insight into the effects of modifying Ebridges on the performance of dye-sensitized solar cells containing triphenylamine dyes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29555-29560	3.6	14
44	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		13
43	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	7.1	13
42	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	3.5	12
41	Construction of a series of metal-organic frameworks with a neutral tetradentate ligand and rigid carboxylate co-ligands. <i>CrystEngComm</i> , 2012 , 14, 8274	3.3	12
40	Synthesis, crystal structure and non-linear optical properties of the heterobimetallic polymeric compound {[n-Bu ₄ N][W ₂ Ag ₃ S ₈]} _n . <i>CrystEngComm</i> , 2003 , 5, 62-64	3.3	12
39	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	3.1	11
38	Improvement of dye-sensitized solar cells performance through introducing different heterocyclic groups to triarylamine dyes. <i>RSC Advances</i> , 2015 , 5, 3720-3727	3.7	11
37	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	13	11

- 36 Syntheses, characterization, and properties of five coordination compounds based on the ligand tetrakis(4-pyridyloxymethylene)methane. *CrystEngComm*, **2014**, 16, 3917-3925 3.3 10
- 35 Eight new complexes based on flexible multicarboxylate ligands: synthesis, structures and properties. *CrystEngComm*, **2010**, 12, 3183 3.3 10
- 34 Syntheses, characterization, and magnetic properties of novel divalent Co/Ni coordination polymers based on a V-shaped pyridine ligand and dicarboxylate acids. *RSC Advances*, **2015**, 5, 64514-64519 3.7 9
- 33 Two new luminescent Cd(II)/Zn(II) metal-organic frameworks for exceptionally selective detection of picric acid explosives. *Inorganic Chemistry Communication*, **2016**, 66, 51-54 3.1 9
- 32 Application of WCl₆-based secondary building units in functional metal-organic frameworks. *CrystEngComm*, **2013**, 15, 9265 3.3 9
- 31 Crystal Structure and Excited Optical Nonlinearity of a 1D Polymeric [W₂O₂S₆Cu₄(NCMe)₄]_n Cluster. *European Journal of Inorganic Chemistry*, **2004**, 2004, 2754-2758 2.3 9
- 30 Synthesis, crystal structure and nonlinear optical properties of a cluster compound containing the bipy ligand. *Transition Metal Chemistry*, **2004**, 29, 185-188 2.1 8
- 29 A pair of 3D enantiotopic zinc(ii) complexes based on two asymmetric achiral ligands. *Dalton Transactions*, **2017**, 46, 14779-14784 4.3 7
- 28 Porous and single crystalline Co₃O₄ nanospheres for pseudocapacitors with enhanced performance. *RSC Advances*, **2015**, 5, 27266-27272 3.7 7
- 27 Three metal-organic framework isomers of different pore sizes for selective CO adsorption and isomerization studies. *Dalton Transactions*, **2020**, 49, 5618-5624 4.3 7
- 26 Diverse structures of metal-organic frameworks via a side chain adjustment: interpenetration and gas adsorption. *Dalton Transactions*, **2016**, 45, 16205-16210 4.3 7
- 25 Novel MOF-derived hollow CoFe alloy coupled with N-doped Ketjen Black as boosted bifunctional oxygen catalysts for Zn-air batteries. *Chemical Engineering Journal*, **2022**, 427, 131614 14.7 7
- 24 Four coordination polymers derived from a one-pot reaction and their controlled synthesis. *Dalton Transactions*, **2016**, 45, 6418-23 4.3 6
- 23 Two bifunctional photoluminescent Zn (II) coordination polymers for detection of Fe³⁺ ion and nitrobenzene. *Inorganic Chemistry Communication*, **2019**, 107, 107479 3.1 6
- 22 Reactions of singlet phosphinidene and its hydroxy derivative with polar molecule hydrogen fluoride. *Molecular Physics*, **2006**, 104, 599-605 1.7 6
- 21 Construction of a novel Cd(II) coordination polymer based on a flexible tripodal carboxylic acid and bimid coligands. *Inorganic Chemistry Communication*, **2017**, 79, 17-20 3.1 5
- 20 Dicarboxylate-dependent structural diversity in amino-functionalized complexes: From mononuclear to multinuclear coordination polymer. *Inorganic Chemistry Communication*, **2016**, 69, 4-6 3.1 5
- 19 Mixed matrix membranes containing fluorescent coordination polymers for detecting CrO with high sensitivity, stability and recyclability. *Dalton Transactions*, **2021**, 50, 7944-7948 4.3 5

18	The Mutation in the Single-Crystal Structural Transformation Process, Induced by the Combined Stimuli of Temperature and Solvent. <i>Chemistry - A European Journal</i> , 2018 , 24, 327-331	4.8	5
17	Improving the Stability and Visualizing the Structural Transformation of the Stimuli-Responsive Metal-Organic Frameworks (MOFs). <i>Inorganic Chemistry</i> , 2020 , 59, 5093-5098	5.1	4
16	Quinoxalines Incorporating Triarylaminines: Dipolar Electroluminescent Materials with Tunable Emission Characteristics. <i>Journal of the Chinese Chemical Society</i> , 2006 , 53, 233-242	1.5	4
15	Studies on the Thermodynamic and Kinetic Properties of Reactions of Bo(Bs) with H ₂ . <i>Progress in Reaction Kinetics and Mechanism</i> , 2006 , 31, 1-9	0.5	3
14	Theoretical study of the insertion reaction of singlet phosphinidene with hydrogen sulfide. <i>Journal of Chemical Research</i> , 2006 , 2006, 303-305	0.6	3
13	Structures and stabilities of the donor-acceptor complexes HXPY (X=Al, B; Y=H, F, OH). <i>Molecular Physics</i> , 2006 , 104, 447-452	1.7	3
12	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	7.7	3
11	One rutile Co(II) coordinated polymer with bifunctional ligand. <i>Inorganic Chemistry Communication</i> , 2014 , 46, 191-193	3.1	2
10	One 2D anionic coordination polymer with {[Co(H ₂ O) ₆]} ²⁺ cationic guest for fast and selective adsorption of cationic dyes. <i>Inorganic Chemistry Communication</i> , 2017 , 85, 89-91	3.1	2
9	Synthesis, crystal structure and nonlinear optical properties of a new cluster complex: WCu ₃ OS ₃ (PPh ₃) ₃ {S ₂ P(OPri) ₂ }. <i>Transition Metal Chemistry</i> , 2003 , 28, 137-141	2.1	2
8	Synthesis, Crystal Structure and Nonlinear Optical Properties of a new cluster compound: MoS ₄ Cu ₃ (PyPPh ₂) ₃ Cl. <i>Journal of Coordination Chemistry</i> , 2003 , 56, 595-601	1.6	2
7	Synthesis and Crystal Structures of Two Nest-Shaped Cluster Compounds, [MoOS ₃ Cu ₃ (SCN)py ₅] and [WOS ₃ Cu ₃ (SCN)py ₅]. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2000 , 30, 761-775		2
6	A novel and efficient method of MOF-derived electrocatalyst for HER performance through doping organic ligands. <i>Materials Chemistry Frontiers</i> ,	7.8	2
5	The difference in the CO adsorption capacities of different functionalized pillar-layered metal-organic frameworks (MOFs). <i>Dalton Transactions</i> , 2021 , 50, 9310-9316	4.3	2
4	Molecular engineering in a family of pillared-layered metal-organic frameworks for tuning gas adsorption behavior. <i>Dalton Transactions</i> , 2021 , 50, 7409-7416	4.3	1
3	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	6.7	1
2	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	6.7	0
1	Metal-organic frameworks constructed from an [MS ₄ Cu _x] _n (M = W, Mo) unit: isomerization of the cluster unit induced by temperature. <i>CrystEngComm</i> ,	3.3	

