

Metal-organic frameworks: functional luminescent applications

Chemical Society Reviews

46, 3242-3285

DOI: [10.1039/c6cs00930a](https://doi.org/10.1039/c6cs00930a)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Dye@bio-MOF-1 Composite as a Dual-Emitting Platform for Enhanced Detection of a Wide Range of Explosive Molecules. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 20076-20085.	4.0	117
2	Supramolecular coordination polymers using a close to V-shaped fluorescent 4-amino-1,8-naphthalimide Tröger's base scaffold. <i>Chemical Communications</i> , 2017, 53, 12512-12515.	2.2	19
3	A stable 3D Cd(II) metal-organic framework for highly sensitive detection of Cu ²⁺ ions and nitroaromatic explosives. <i>RSC Advances</i> , 2017, 7, 49618-49625.	1.7	24
4	Structural Diversity in Six Mixed Ligand Zn(II) Metal-Organic Frameworks Constructed by Rigid and Flexible Dicarboxylates and Different N,N ² Donor Ligands. <i>Crystal Growth and Design</i> , 2017, 17, 6613-6624.	1.4	43
5	Straightforward Loading of Imidazole Molecules into Metal-Organic Framework for High Proton Conduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 15604-15607.	6.6	290
6	Metal-organic frameworks as stationary phase for application in chromatographic separation. <i>Journal of Chromatography A</i> , 2017, 1530, 1-18.	1.8	125
7	Structure- and Temperature-Dependent Luminescence Properties of Threefold Interpenetrated Networks: Coordination Polymers Based on Dinuclear Gridlike Silver(I) Units. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5127-5133.	1.0	13
8	The MOF ⁺ Technique: A Significant Synergic Effect Enables High Performance Chromate Removal. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16376-16379.	7.2	102
9	A Water-Stable Twofold Interpenetrating Microporous MOF for Selective CO ₂ Adsorption and Separation. <i>Inorganic Chemistry</i> , 2017, 56, 13991-13997.	1.9	88
10	Metal-Organic Framework-Templated PdO-Co ₃ O ₄ Nanocubes Functionalized by SWCNTs: Improved NO ₂ Reaction Kinetics on Flexible Heating Film. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40593-40603.	4.0	55
11	Lanthanide-Functionalized Metal-Organic Framework Hybrid Systems To Create Multiple Luminescent Centers for Chemical Sensing. <i>Accounts of Chemical Research</i> , 2017, 50, 2789-2798.	7.6	557
12	Tetraphenylethylene Immobilized Metal-Organic Frameworks: Highly Sensitive Fluorescent Sensor for the Detection of Cr ₂ O ₇ ²⁻ and Nitroaromatic Explosives. <i>Crystal Growth and Design</i> , 2017, 17, 6041-6048.	1.4	239
13	Metal-Organic Frameworks with Internal Urea-Functionalized Dicarboxylate Linkers for SO ₂ and NH ₃ Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37419-37434.	4.0	130
14	The Impact of Charge Distribution on Photochromic Properties in 1D Coordination Polymers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1766-1770.	0.6	7
15	Evaporation-Directed Crack Patterning of Metal-Organic Framework Colloidal Films and Their Application as Photonic Sensors. <i>Angewandte Chemie</i> , 2017, 129, 14199-14203.	1.6	17
16	A versatile covalent organic framework-based platform for sensing biomolecules. <i>Chemical Communications</i> , 2017, 53, 11469-11471.	2.2	148
17	Two-Dimensional Zeolitic Imidazolate Framework/Carbon Nanotube Hybrid Networks Modified Proton Exchange Membranes for Improving Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35075-35085.	4.0	111
18	A luminescent cerium metal-organic framework for the turn-on sensing of ascorbic acid. <i>Chemical Communications</i> , 2017, 53, 11221-11224.	2.2	111

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19	pH-Stable Eu- and Tb-organic-frameworks mediated by an ionic liquid for the aqueous-phase detection of 2,4,6-trinitrophenol (TNP). Dalton Transactions, 2017, 46, 15434-15442.	1.6	111
20	3-D organic-inorganic hybrid architecture based on Tröger's Base: Synthesis, supramolecular structure, and aggregation-induced emission properties. Inorganic Chemistry Communication, 2017, 86, 145-149.	1.8	1
21	General synthesis of MFe_2O_4 /carbon (M = Zn, Mn, Co, Ni) spindles from mixed metal organic frameworks as high performance anodes for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 23641-23650.	5.2	73
22	New lanthanide(III) coordination polymers: synthesis, structural features, and catalytic activity in CO_2 fixation. Dalton Transactions, 2017, 46, 16426-16431.	1.6	28
23	A luminescent heterometallic metal-organic framework for the naked-eye discrimination of nitroaromatic explosives. Chemical Communications, 2017, 53, 10318-10321.	2.2	78
24	Nitroaromatic sensing with a new lanthanide coordination polymer $[Er_2(C_{10}H_4O_4S_2)_3(H_2O)_6]$ assembled by 2,2'-bithiophene-5,5'-dicarboxylate. New Journal of Chemistry, 2017, 41, 10929-10934.		
25	Highly Sensitive and Selective Sensing of Free Bilirubin Using Metal-Organic Frameworks-Based Energy Transfer Process. ACS Applied Materials & Interfaces, 2017, 9, 30925-30932.	4.0	168
26	An ultrastable zinc(II)-organic framework as a recyclable multi-responsive luminescent sensor for Cr(III), Cr(VI) and 4-nitrophenol in the aqueous phase with high selectivity and sensitivity. Journal of Materials Chemistry A, 2017, 5, 20035-20043.	5.2	215
27	Syntheses, crystal structures and fluorescent properties of three metal- tris(4'-carboxybiphenyl)amine frameworks. Journal of Solid State Chemistry, 2017, 255, 200-205.	1.4	10
28	A series of Mg-Zn heterometallic coordination polymers: synthesis, characterization, and fluorescence sensing for Fe^{3+} , CS_2 , and nitroaromatic compounds. Dalton Transactions, 2017, 46, 12597-12604.	1.6	47
29	Rapid and highly sensitive detection of extracellular and intracellular H_2S by an azide-functionalized Al(III)-based metal-organic framework. Dalton Transactions, 2017, 46, 12856-12864.	1.6	57
30	A multifunctional three-fold interpenetrated coordination polymer showing excellent luminescent sensing for Cr(VI)/ Fe(III) and photocatalytic properties. Journal of Solid State Chemistry, 2017, 256, 176-183.	1.4	24
31	Benzyl Dihydrazone versus Thiosemicarbazone Schiff Base: Effects on the Supramolecular Arrangement of Cobalt Thiocyanate Complexes and the Generation of CoN_6 and CoN_4S_2 Coordination Spheres. European Journal of Inorganic Chemistry, 2017, 2017, 4763-4772.	1.0	54
32	2D carboxylate-bridged Ln^{III} coordination polymers: displaying slow magnetic relaxation and luminescence properties in the detection of Fe^{3+} , $Cr_2O_7^{2-}$ and nitrobenzene. Dalton Transactions, 2017, 46, 13878-13887.	1.6	51
33	Three Cadmium Coordination Polymers with Carboxylate and Pyridine Mixed Ligands: Luminescent Sensors for Fe^{III} and Cr^{VI} Ions in an Aqueous Medium. Inorganic Chemistry, 2017, 56, 11768-11778.	1.9	167
34	A bifunctional luminescent europium-organic framework for highly selective sensing of nitrobenzene and 4-aminophenol. RSC Advances, 2017, 7, 45029-45033.	1.7	23
35	Evaporation-Directed Crack-Patterning of Metal-Organic Framework Colloidal Films and Their Application as Photonic Sensors. Angewandte Chemie - International Edition, 2017, 56, 14011-14015.	7.2	41
36	Ratiometric Luminescent Detection of Organic Amines Due to the Induced Lactam-Lactim Tautomerization of Organic Linker in a Metal-Organic Framework. ACS Applied Materials & Interfaces, 2017, 9, 31352-31356.	4.0	77

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37	Two solvent-induced porous hydrogen-bonded organic frameworks: solvent effects on structures and functionalities. <i>Chemical Communications</i> , 2017, 53, 11150-11153.	2.2	93
38	Recent advances in AlEgen-based luminescent metal-organic frameworks and covalent organic frameworks. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2474-2486.	3.2	136
39	Diverse dissolution-recrystallization structural transformations and sequential Förster resonance energy transfer behavior of a luminescent porous Cd-MOF. <i>Dalton Transactions</i> , 2017, 46, 11656-11663.	1.6	55
40	Porous crystalline materials: closing remarks. <i>Faraday Discussions</i> , 2017, 201, 395-404.	1.6	11
41	A family of ssa-type copper-based MOFs constructed from unsymmetrical diisophthalates: synthesis, characterization and selective gas adsorption. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2283-2291.	3.2	34
42	A novel photo- and hydrochromic europium metal-organic framework with good anion sensing properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8999-9004.	2.7	133
43	Syntheses, Crystal Structures and Photophysical Aspects of Discrete and Polymeric Azido-Bridged Zinc(II) and Cadmium(II) Complexes: Sensing Properties and Structural Resemblance. <i>ChemistrySelect</i> , 2017, 2, 11091-11099.	0.7	10
44	Systematic Engineering of Single Substitution in Zirconium Metal-Organic Frameworks toward High-Performance Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 18590-18597.	6.6	102
45	A new Tb(III)-functionalized layer-like Cd MOF as luminescent probe for high-selectively sensing of Cr ³⁺ . <i>CrystEngComm</i> , 2017, 19, 7270-7276.	1.3	33
46	The MOF ⁺ Technique: A Significant Synergic Effect Enables High Performance Chromate Removal. <i>Angewandte Chemie</i> , 2017, 129, 16594-16597.	1.6	12
47	Preparation of Luminescent Metal-Organic Framework Films by Soft-Imprinting for 2,4-Dinitrotoluene Sensing. <i>Materials</i> , 2017, 10, 992.	1.3	25
48	The Tuning of Optical Properties of Nanoscale MOFs-Based Thin Film through Post-Modification. <i>Nanomaterials</i> , 2017, 7, 242.	1.9	24
49	A trichromatic MOF composite for multidimensional ratiometric luminescent sensing. <i>Chemical Science</i> , 2018, 9, 2918-2926.	3.7	96
50	A Multifunctional Nanocage-based MOF with Tri- and Tetranuclear Zinc Cluster Secondary Building Units. <i>Scientific Reports</i> , 2018, 8, 3117.	1.6	16
51	Electronic metal-organic framework sensors. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 979-998.	3.0	120
52	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2018, 130, 5189-5193.	1.6	18
53	A Metal-Organic Framework with Optimized Porosity and Functional Sites for High Gravimetric and Volumetric Methane Storage Working Capacities. <i>Advanced Materials</i> , 2018, 30, e1704792.	11.1	109
54	Integration of chromium terephthalate metal-organic frameworks with reduced graphene oxide for voltammetry of 4-nonylphenol. <i>Carbon</i> , 2018, 134, 540-547.	5.4	43

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55	Metal-organic framework-derived porous materials for catalysis. <i>Coordination Chemistry Reviews</i> , 2018, 362, 1-23.	9.5	737
56	Assembly of a series of zinc coordination polymers based on 5-functionalized isophthalic acids and dipyrityl. <i>RSC Advances</i> , 2018, 8, 7428-7437.	1.7	13
57	Hydrothermal Preparation of a Series of Luminescent Cadmium(II) and Zinc(II) Coordination Complexes and Enhanced Real-time Photo-luminescent Sensing for Benzaldehyde. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 357-366.	0.6	5
58	Rapid Detection of the Biomarkers for Carcinoid Tumors by a Water Stable Luminescent Lanthanide Metal-Organic Framework Sensor. <i>Advanced Functional Materials</i> , 2018, 28, 1707169.	7.8	335
59	Combined Experimental and Computational Study on Catalytic Cyclocoupling of Epoxides and CO ₂ Using Porphyrin-Based Cu(II) Metal-Organic Frameworks with 2D Coordination Networks. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 383-390.	2.0	5
60	Pore-Environment Engineering with Multiple Metal Sites in Rare-Earth Porphyrinic Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5095-5099.	7.2	136
61	A porous and luminescent metal-organic framework containing triazine group for sensing and imaging of Zn ²⁺ . <i>Microporous and Mesoporous Materials</i> , 2018, 266, 1-6.	2.2	30
62	Sonochemical synthesis of a multi-responsive regenerable water-stable zinc(II) fluorescent probe for highly selective, sensitive and real-time sensing of benzaldehyde, ferric ion and PH. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 340-349.	3.8	37
63	A uranyl phosphonate framework with a temperature-induced order-disorder transition and temperature-correlated photoluminescence. <i>CrystEngComm</i> , 2018, 20, 3153-3157.	1.3	14
64	Cyclic Structural Transformations from Crystalline to Crystalline to Amorphous Phases and Magnetic Properties of a Mn(II)-Based Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2018, 18, 3360-3365.	1.4	9
65	Structure, color-tunable luminescence, and UV-vis/NIR benzaldehyde detection of lanthanide coordination polymers based on two fluorinated ligands. <i>CrystEngComm</i> , 2018, 20, 3335-3343.	1.3	27
66	A stable electron-deficient metal-organic framework for colorimetric and luminescence sensing of phenols and anilines. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9236-9244.	5.2	127
67	Dual-emission MOF-dye sensor for ratiometric fluorescence recognition of RDX and detection of a broad class of nitro-compounds. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9183-9191.	5.2	170
68	A turn-on fluorescence probe based on post-modified metal-organic frameworks for highly selective and fast-response hypochlorite detection. <i>Polyhedron</i> , 2018, 148, 76-80.	1.0	24
69	Three-Dimensional Co(II)/Cd(II) Metal-Organic Frameworks: Luminescent Cd-MOF for Detection and Adsorption of 2,4,6-Trinitrophenol in the Aqueous Phase. <i>Crystal Growth and Design</i> , 2018, 18, 3062-3072.	1.4	106
70	Exploring Lanthanide Doping in UiO-66: A Combined Experimental and Computational Study of the Electronic Structure. <i>Inorganic Chemistry</i> , 2018, 57, 5463-5474.	1.9	51
71	Base-Resistant Ionic Metal-Organic Framework as a Porous Ion-Exchange Sorbent. <i>IScience</i> , 2018, 3, 21-30.	1.9	50
72	Insight into the Metal Content-Structure-Property Relationship in Lanthanide Metal-Organic Frameworks: Optical Studies, Magnetism, and Catalytic Performance. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2452-2460.	1.0	20

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73	A luminescent zinc(II) coordination polymer with unusual (3,4,4)-coordinated self-catenated 3D network for selective detection of nitroaromatics and ferric and chromate ions: a versatile luminescent sensor. Dalton Transactions, 2018, 47, 6189-6198.	1.6	147
74	Cooperative and FRET-Assisted Brightness Enhancement in Oligo(phenylene ethynylene): Quantum Dot Organic-Inorganic Nanohybrids. Chemistry - an Asian Journal, 2018, 13, 1492-1499.	1.7	4
75	Quasi-MOF: Exposing Inorganic Nodes to Guest Metal Nanoparticles for Drastically Enhanced Catalytic Activity. Chem, 2018, 4, 845-856.	5.8	165
76	Luminescent metal-organic frameworks as chemical sensors: common pitfalls and proposed best practices. Inorganic Chemistry Frontiers, 2018, 5, 1493-1511.	3.0	129
77	From 2D to 3D interpenetration to packing: N coligand-driven structural assembly and tuning of luminescent sensing activities towards Fe ³⁺ and Cr ²⁺ /O ²⁻ ions. Dalton Transactions, 2018, 47, 6240-6249.	1.6	76
78	A series of Ln ₄ clusters: Dy ₄ single molecule magnet and Tb ₄ multi-responsive luminescent sensor for Fe ³⁺ , CrO ₄ ²⁻ /Cr ²⁺ /O ²⁻ and 4-nitroaniline. RSC Advances, 2018, 8, 12641-12652.	1.7	21
79	Assembly of one novel coordination polymer built from rigid tricarboxylate ligand and bis(imidazole) linker: Synthesis, structure, and fluorescence sensing property. Inorganic Chemistry Communication, 2018, 96, 139-144.	1.8	6
80	Facilely synthesized Eu ³⁺ post-functionalized UiO-66-type metal-organic framework for rapid and highly selective detection of Fe ³⁺ in aqueous solution. Sensors and Actuators B: Chemical, 2018, 267, 542-548.	4.0	72
81	A new luminescent metal-organic framework based on dicarboxyl-substituted tetraphenylethene for efficient detection of nitro-containing explosives and antibiotics in aqueous media. Journal of Materials Chemistry C, 2018, 6, 2983-2988.	2.7	133
82	A fluorescent microporous crystalline dendrimer discriminates vapour molecules. Chemical Communications, 2018, 54, 2534-2537.	2.2	19
83	Tuning a layer to a three-dimensional cobalt-tris(4-carboxybiphenyl)amine framework by introducing potassium ions. Inorganic Chemistry Communication, 2018, 90, 65-68.	1.8	5
84	Tetranuclear cluster-based Pb(II)-MOF: Synthesis, crystal structure and luminescence sensing for CS ₂ . Journal of Molecular Structure, 2018, 1160, 46-49.	1.8	4
85	Detection and removal of antibiotic tetracycline in water with a highly stable luminescent MOF. Sensors and Actuators B: Chemical, 2018, 262, 137-143.	4.0	225
86	Zn-based porous coordination solid as diclofenac sodium carrier. Journal of Solid State Chemistry, 2018, 260, 67-72.	1.4	16
87	The point-of-care colorimetric detection of the biomarker of phenylamine in the human urine based on Tb ³⁺ functionalized metal-organic framework. Analytica Chimica Acta, 2018, 1012, 82-89.	2.6	44
88	Synthesis of manganese oxide nanorods and its application for potassium ion sensing in water. Journal of Colloid and Interface Science, 2018, 516, 364-370.	5.0	28
89	Engineering a Zirconium MOF through Tandem Click-Reactions: A General Strategy for Quantitative Loading of Bifunctional Groups on the Pore Surface. Inorganic Chemistry, 2018, 57, 2288-2295.	1.9	28
90	A fluorescent sensor for selective, sensitive, and recyclable detection of mercury(II) in aqueous solution based on a zinc(II) coordination polymer. Inorganic Chemistry Communication, 2018, 89, 73-77.	1.8	11

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91	Two novel penetrating coordination polymers based on flexible S-containing dicarboxylate acid with sensing properties towards Fe ³⁺ and Cr ^{2O7} - ions. <i>Journal of Solid State Chemistry</i> , 2018, 261, 75-85.	1.4	44
92	Understanding the effect of an amino group on the selective and ultrafast detection of TNP in water using fluorescent organic probes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3288-3297.	2.7	70
93	Functionalization of Metal-Organic Frameworks for Photoactive Materials. <i>Advanced Materials</i> , 2018, 30, e1705634.	11.1	133
94	Neutral ligand TIPA-based two 2D metal-organic frameworks: ultrahigh selectivity of C ₂ H ₂ /CH ₄ and efficient sensing and sorption of Cr(VI). <i>Dalton Transactions</i> , 2018, 47, 3725-3732.	1.6	99
95	Recent Advances in Micro/Nanostructured Metal-Organic Frameworks towards Photonic and Electronic Applications. <i>Chemistry - A European Journal</i> , 2018, 24, 6484-6493.	1.7	45
96	Tunable Electrochemistry of Electrosynthesized Copper Metal-Organic Frameworks. <i>Advanced Functional Materials</i> , 2018, 28, 1706961.	7.8	94
97	Fluorescent Zn-PDC/Tb ³⁺ Coordination Polymer Nanostructure: A Candidate for Highly Selective Detections of Cefixime Antibiotic and Acetone in Aqueous System. <i>Inorganic Chemistry</i> , 2018, 57, 1417-1425.	1.9	110
98	A 3D Microporous MOF with <i>mab</i> Topology for Selective CO ₂ Adsorption and Separation. <i>ChemistrySelect</i> , 2018, 3, 917-921.	0.7	15
99	Hydrogen-Bonded Organic Aromatic Frameworks for Ultralong Phosphorescence by Intralayer π - π Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4005-4009.	7.2	207
100	A highly porous acylamide decorated MOF-505 analogue exhibiting high and selective CO ₂ gas uptake capability. <i>CrystEngComm</i> , 2018, 20, 1874-1881.	1.3	40
101	Iridium(III)-Based Metal-Organic Frameworks as Multiresponsive Luminescent Sensors for Fe ³⁺ , Cr ₂ O ₇ ³⁻ , and ATP ²⁻ in Aqueous Media. <i>Inorganic Chemistry</i> , 2018, 57, 1079-1089.	1.9	104
102	<i>Operando</i> study of palladium nanoparticles inside UiO-67 MOF for catalytic hydrogenation of hydrocarbons. <i>Faraday Discussions</i> , 2018, 208, 287-306.	1.6	46
103	Ratiometric luminescence sensing based on a mixed Ce/Eu metal-organic framework. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2054-2059.	2.7	54
104	Novel CO ₂ Fluorescence Turn-On Quantification Based on a Dynamic AIE-Active Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2868-2873.	4.0	37
105	A novel covalent post-synthetically modified MOF hybrid as a sensitive and selective fluorescent probe for Al ³⁺ detection in aqueous media. <i>Dalton Transactions</i> , 2018, 47, 1674-1681.	1.6	112
106	Shape engineering of metal-organic frameworks. <i>Polyhedron</i> , 2018, 145, 1-15.	1.0	172
107	Liquid-free single-crystal to single-crystal transformations in coordination polymers. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 279-300.	3.0	49
108	Achieving Multicolor Long-Lived Luminescence in Dye-Encapsulated Metal-Organic Frameworks and Its Application to Anticounterfeiting Stamps. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1802-1809.	4.0	151

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109	Solvent Dependent Luminescence Sensing of Nitro-Explosives by a Terbium-Based Metal-Organic Complex. <i>ChemistrySelect</i> , 2018, 3, 683-689.	0.7	3
110	Metal-Organic Framework-Based Selective Sensing of Biothiols via Chemodosimetric Approach in Water. <i>ACS Omega</i> , 2018, 3, 254-258.	1.6	36
111	The simultaneous detection and removal of organophosphorus pesticides by a novel Zr-MOF based smart adsorbent. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2184-2192.	5.2	214
112	Aldehyde-functionalized metal-organic frameworks for selective sensing of homocysteine over Cys, GSH and other natural amino acids. <i>Chemical Communications</i> , 2018, 54, 1004-1007.	2.2	55
113	RuCo bimetallic alloy nanoparticles immobilized on multi-porous MIL-53(Al) as a highly efficient catalyst for the hydrolytic reaction of ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 1439-1450.	3.8	33
114	Tunable Emission and Selective Luminescence Sensing in a Series of Lanthanide Metal-Organic Frameworks with Uncoordinated Lewis Basic Triazolyl Sites. <i>Crystal Growth and Design</i> , 2018, 18, 2031-2039.	1.4	57
115	A luminescent metal-organic framework with helical SBUs for highly effective detection of Fe ³⁺ ions. <i>Inorganic Chemistry Communication</i> , 2018, 93, 52-55.	1.8	9
116	Dielectric Properties of Zeolitic Imidazolate Frameworks in the Broad-Band Infrared Regime. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2678-2684.	2.1	31
117	Coordination Polymers with Intriguing Photoluminescence Behavior: The Promising Avenue for Greatest Long-Lasting Phosphors. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2155-2174.	1.0	41
118	Structural and luminescent properties of a new 1D Cadmium(II) coordination polymer: A combined effort with experiment & theory. <i>Journal of Molecular Structure</i> , 2018, 1167, 187-193.	1.8	14
119	3D metal-organic frameworks based on lanthanide-seamed dimeric pyrogallol[4]arene nanocapsules. <i>Science China Chemistry</i> , 2018, 61, 664-669.	4.2	16
120	Potential of metal-organic frameworks for adsorptive separation of industrially and environmentally relevant liquid mixtures. <i>Coordination Chemistry Reviews</i> , 2018, 367, 82-126.	9.5	105
121	Mixing Halogens To Assemble an All-Inorganic Layered Perovskite with Warm White-Light Emission. <i>Chemistry - A European Journal</i> , 2018, 24, 9243-9246.	1.7	17
122	Four 3D coordination polymers based on layers with single <i>syn</i> - <i>anti</i> carboxylate bridges: synthesis, structures, and magnetic properties. <i>RSC Advances</i> , 2018, 8, 14101-14108.	1.7	13
123	Bulky substituent and solvent-induced alternative nodes for layered Cd-isophthalate/acylhydrazone frameworks. <i>CrystEngComm</i> , 2018, 20, 2841-2849.	1.3	11
124	Ratiometric fluorescence sensing and colorimetric decoding methanol by a bimetallic lanthanide-organic framework. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 104-109.	4.0	86
125	Photochemistry and photophysics of MOFs: steps towards MOF-based sensing enhancements. <i>Chemical Society Reviews</i> , 2018, 47, 4710-4728.	18.7	478
126	A water stable microporous metal-organic framework based on rod SBUs: synthesis, structure and adsorption properties. <i>CrystEngComm</i> , 2018, 20, 2169-2174.	1.3	8

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127	Aqueous phase sensing of bismuth ion using fluorescent metal-organic framework. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 323-328.	4.0	34
128	A 2D porous pentiptycene-based MOF for efficient detection of Ba ²⁺ and selective adsorption of dyes from water. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1314-1320.	3.0	19
129	Hydrogen-Bonded Organic Aromatic Frameworks for Ultralong Phosphorescence by Intralayer π - π Interactions. <i>Angewandte Chemie</i> , 2018, 130, 4069-4073.	1.6	61
130	Improving analyte selectivity by post-assembly modification of metal-organic framework based photonic crystal sensors. <i>Nanoscale Horizons</i> , 2018, 3, 383-390.	4.1	33
131	Two luminescent transition-metal-organic frameworks with a predesigned ligand as highly sensitive and selective iron(III) sensors. <i>New Journal of Chemistry</i> , 2018, 42, 6839-6847.	1.4	34
132	Design and Development of Fluorescent Sensors with Mixed Aromatic Bicyclic Fused Rings and Pyridyl Groups: Solid Mediated Selective Detection of 2,4,6-Trinitrophenol in Water. <i>ACS Omega</i> , 2018, 3, 3248-3256.	1.6	17
133	Two novel luminescent Cd(II)/Zn(II) coordination polymers based on 4,4'-((1H-1,2,4-triazol-1-yl)methylene-bis(benzonic acid) for sensing organic molecules and Fe ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2018, 91, 35-38.	1.8	9
134	A Flexible Fluorescent SCC-MOF for Switchable Molecule Identification and Temperature Display. <i>Chemistry of Materials</i> , 2018, 30, 2160-2167.	3.2	138
135	Sensing and capture of toxic and hazardous gases and vapors by metal-organic frameworks. <i>Chemical Society Reviews</i> , 2018, 47, 4729-4756.	18.7	530
136	Coordination chemistry of flexible benzene-1,3,5-tricarboxamide derived carboxylates; notable structural resilience and vaguely familiar packing motifs. <i>Dalton Transactions</i> , 2018, 47, 5259-5268.	1.6	11
137	Luminescent metal-organic frameworks and coordination polymers as alternative phosphors for energy efficient lighting devices. <i>Coordination Chemistry Reviews</i> , 2018, 373, 116-147.	9.5	169
138	Two 3D metal-organic frameworks as multi-functional materials to detect Fe ³⁺ ions and nitroaromatic explosives and to encapsulate Ln ³⁺ ions for white-light emission. <i>Journal of Solid State Chemistry</i> , 2018, 258, 42-48.	1.4	17
139	Development of photoluminescence metal-organic framework sensors consisting of dual-emission centers. <i>Chinese Chemical Letters</i> , 2018, 29, 823-826.	4.8	21
140	Porous metal-organic frameworks for fuel storage. <i>Coordination Chemistry Reviews</i> , 2018, 373, 167-198.	9.5	211
141	Urea-based flexible dicarboxylate linkers for three-dimensional metal-organic frameworks. <i>Inorganica Chimica Acta</i> , 2018, 475, 35-46.	1.2	8
142	Effect of Linker Substituent on Layers Arrangement, Stability, and Sorption of Zn-Isophthalate/Acylhydrazone Frameworks. <i>Crystal Growth and Design</i> , 2018, 18, 488-497.	1.4	20
143	Porous ionic polymers: Design, synthesis, and applications. <i>Progress in Polymer Science</i> , 2018, 79, 121-143.	11.8	161
144	An Ultrastable Luminescent Metal-Organic Framework for Selective Sensing of Nitroaromatic Compounds and Nitroimidazole-Based Drug Molecules. <i>Crystal Growth and Design</i> , 2018, 18, 431-440.	1.4	115

#	ARTICLE	IF	CITATIONS
145	Iodide-Centered Cuprous Octatomic Ring: A Luminescent Molecular Thermometer Exhibiting Dual-Emission Character. <i>Crystal Growth and Design</i> , 2018, 18, 22-26.	1.4	24
146	A facile indicator box based on Eu ³⁺ functionalized MOF hybrid for the determination of 1-naphthol, a biomarker for carbaryl in urine. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 125-132.	4.0	64
147	Suspending ionic single-atom catalysts in porphyrinic frameworks for highly efficient aerobic oxidation at room temperature. <i>Journal of Catalysis</i> , 2018, 358, 43-49.	3.1	24
148	Selective and reversible adsorption of cationic dyes by mixed ligand Zn(II) coordination polymers synthesized by reactant ratio modulation. <i>Dalton Transactions</i> , 2018, 47, 898-908.	1.6	73
149	A comparison of structural and luminescence properties of lead(II) coordination polymers with isomeric thiophenecarboxylate ligands. <i>Inorganica Chimica Acta</i> , 2018, 471, 446-458.	1.2	20
150	A pair of polymorphous metal-organic frameworks based on an angular diisophthalate linker: synthesis, characterization and gas adsorption properties. <i>Dalton Transactions</i> , 2018, 47, 716-725.	1.6	23
151	A Water-Stable Luminescent Zn(II) Metal-Organic Framework as Chemosensor for High-Efficiency Detection of Cr(VI) Anions (Cr ₂ O ₇ ²⁻) in Aqueous Solution. <i>Journal of Inorganic Chemistry</i> , 2018, 2018, 3192-3198.	1.7	169
152	Mimetic Ag nanoparticle/Zn-based MOF nanocomposite (AgNPs@ZnMOF) capped with molecularly imprinted polymer for the selective detection of patulin. <i>Talanta</i> , 2018, 179, 710-718.	2.9	139
153	A highly sensitive luminescent metal-organic framework thermometer for physiological temperature sensing. <i>Journal of Rare Earths</i> , 2018, 36, 561-566.	2.5	27
154	Supercritical fluid processing for metal-organic frameworks, porous coordination polymers, and covalent organic frameworks. <i>Journal of Supercritical Fluids</i> , 2018, 134, 197-203.	1.6	33
155	Near-infrared luminescence of Bi ₂ ZnO ₆ :Nd ³⁺ /PMMA composite. <i>Optical Materials</i> , 2018, 75, 13-18.	1.7	11
156	Construction of Zeolite-Like Cluster Organic Frameworks from 3d/4d/3d Heterometallic Supertetrahedral Secondary Building Units: Syntheses, Structures, and Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 251-258.	1.7	26
157	A Two-Dimensional Metal-Organic Framework as a Fluorescent Probe for Ascorbic Acid Sensing. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 173-177.	1.0	28
158	Selective and Recyclable Sensing of Aqueous Phase 2,4,6-Trinitrophenol (TNP) Based on Cd(II) Coordination Polymer with Zwitterionic Ligand. <i>Crystals</i> , 2018, 8, 456.	1.0	6
159	Supramolecular Organization in Confined Nanospaces. <i>ChemPhysChem</i> , 2018, 19, 1249-1297.	1.0	60
160	Crystal Structures and Optical Properties of Two Novel 1,3,5-Trisubstituted Pyrazoline Derivatives. <i>Crystals</i> , 2018, 8, 467.	1.0	0
161	Photoactive metal-organic framework as a bifunctional material for 4-hydroxy-4'-nitrobiphenyl detection and photodegradation of methylene blue. <i>Dalton Transactions</i> , 2018, 47, 16551-16557.	1.6	30
162	Iron(III) identification and proton conduction of a luminescent cadmium-organic framework. <i>New Journal of Chemistry</i> , 2018, 42, 20197-20204.	1.4	24

#	ARTICLE	IF	CITATIONS
163	A new europium metal-organic framework with both high proton conductivity and highly sensitive detection of ascorbic acid. <i>CrystEngComm</i> , 2018, 20, 6989-6994.	1.3	36
164	A novel sponge-like 2D Ni/derivative heterostructure to strengthen microwave absorption performance. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28623-28633.	1.3	101
165	Two isostructural Ln-MOFs showing luminescent sensing (Eu) and slow magnetic relaxation (Dy) properties. <i>Dalton Transactions</i> , 2018, 47, 15656-15660.	1.6	9
166	Fluorescent 2D metal-organic framework nanosheets (MONs): design, synthesis and sensing of explosive nitroaromatic compounds (NACs). <i>Nanoscale</i> , 2018, 10, 22389-22399.	2.8	67
167	Synthesis of tetraphenylethylene-based conjugated microporous polymers for detection of nitroaromatic explosive compounds. <i>RSC Advances</i> , 2018, 8, 34291-34296.	1.7	26
168	Exceptional TcO_4^- sorption capacity and highly efficient ReO_4^- luminescence sensing by Zr^{4+} MOFs. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20813-20821.	5.2	54
169	Tunability of fluorescent metal-organic frameworks through dynamic spacer installation with multivariate fluorophores. <i>Chemical Communications</i> , 2018, 54, 13666-13669.	2.2	22
170	An ambient-temperature aqueous synthesis of zirconium-based metal-organic frameworks. <i>Green Chemistry</i> , 2018, 20, 5292-5298.	4.6	54
171	Water-stable fluorinated metal-organic frameworks (F-MOFs) with hydrophobic properties as efficient and highly active heterogeneous catalysts in aqueous solution. <i>Green Chemistry</i> , 2018, 20, 5336-5345.	4.6	64
172	Synthesis of spiny metal-phenolic coordination crystals as a sensing platform for sequence-specific detection of nucleic acids. <i>CrystEngComm</i> , 2018, 20, 7626-7630.	1.3	14
173	A highly emissive fluorescent Zn-MOF: molecular decoding strategies for solvents and trace detection of dunnite in water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21274-21279.	5.2	38
174	Cadmium(II) coordination polymers based on 2-(4-((E)-2-(pyridine-2-yl)vinyl)styryl)pyridine and dicarboxylate ligands as fluorescent sensors for TNP. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12623-12630.	2.7	39
175	Synthesis, structure and temperature sensing of a lanthanide-organic framework constructed from a pyridine-containing tetracarboxylic acid ligand. <i>CrystEngComm</i> , 2018, 20, 7395-7400.	1.3	25
176	Highly selective and sensitive detection of Hg^{2+} , $\text{Cr}_2\text{O}_7^{2-}$, and nitrobenzene/2,4-dinitrophenol in water via two fluorescent Cd-CPs. <i>New Journal of Chemistry</i> , 2018, 42, 19844-19852.	1.4	40
177	Cocrystals with tunable luminescence colour self-assembled by a predictable method. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 610-617.	0.5	10
178	Discriminative Molecular Detection Based on Competitive Absorption by a Luminescent Metal-Organic Framework. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40372-40377.	4.0	16
179	Stable Indium-Pyridylcarboxylate Framework: Selective Gas Capture and Sensing of Fe^{3+} Ion in Water. <i>Inorganic Chemistry</i> , 2018, 57, 15262-15269.	1.9	53
180	Aptamer-modified magnetic metal-organic framework MIL-101 for highly efficient and selective enrichment of ochratoxin A. <i>Journal of Separation Science</i> , 2019, 42, 716-724.	1.3	27

#	ARTICLE	IF	CITATIONS
181	DNA-Walker-Induced Allosteric Switch for Tandem Signal Amplification with Palladium Nanoparticles/Metal-Organic Framework Tags in Electrochemical Biosensing. <i>Analytical Chemistry</i> , 2018, 90, 14493-14499.	3.2	101
182	Ratiometric Luminescent Sensor of Picric Acid Based on the Dual-Emission Mixed-Lanthanide Coordination Polymer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44109-44115.	4.0	58
183	Water Stable Metal-Organic Framework Based on Phosphono-containing Ligand as Highly Sensitive Luminescent Sensor toward Metal Ions. <i>Crystal Growth and Design</i> , 2018, 18, 7683-7689.	1.4	47
184	Strategic Construction of Highly Stable Metal-Organic Frameworks Combining Both Semi-Rigid Tetrapodal and Rigid Ditopic Linkers: Selective and Ultrafast Sensing of 4-Nitroaniline in Water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42406-42416.	4.0	63
185	Ultrafast Synthesis of Ni-MOF in One Minute by Ball Milling. <i>Nanomaterials</i> , 2018, 8, 1067.	1.9	44
186	New Topologically Unique Metal-Organic Architectures Driven by a Pyridine-Tricarboxylate Building Block. <i>Crystals</i> , 2018, 8, 353.	1.0	5
187	Paddlewheel SBU based Zn MOFs: Syntheses, Structural Diversity, and CO ₂ Adsorption Properties. <i>Polymers</i> , 2018, 10, 1398.	2.0	6
188	Nonwoven fabric coated with a tetraphenylethene-based luminescent metal-organic framework for selective and sensitive sensing of nitrobenzene and ammonia. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12371-12376.	2.7	28
189	Terbium Oxalato-phosphonate as Efficient Multiresponsive Luminescent Sensors for Chromate Anions and Tryptophan Molecules. <i>ACS Omega</i> , 2018, 3, 16735-16742.	1.6	15
190	Switching of Monomer Fluorescence, Charge-Transfer Fluorescence, and Room-Temperature Phosphorescence Induced by Aromatic Guest Inclusion in a Supramolecular Host. <i>Chemistry - A European Journal</i> , 2018, 24, 17487-17496.	1.7	46
191	A Dual-Responsive Luminescent Terbium(III) Chain for Selective Sensing of Fe ³⁺ and MnO ₄ ⁻ Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 1598-1606.	0.6	12
192	Two 3D cadmium(II) coordination polymers modulated by flexible bis(benzimidazole) ligands displaying high photocatalytic activities for degradation of methylene blue and methyl orange. <i>Polyhedron</i> , 2018, 156, 200-207.	1.0	18
193	Robustness, Selective Gas Separation, and Nitrobenzene Sensing on Two Isomers of Cadmium Metal-Organic Frameworks Containing Various Metal-O-Metal Chains. <i>Inorganic Chemistry</i> , 2018, 57, 12961-12968.	1.9	87
194	Light-regulated crystal growth of π -conjugated luminophores in an azobenzene matrix. <i>Communications Chemistry</i> , 2018, 1, .	2.0	16
195	Ultrathin Nanosheet Ni-Metal Organic Framework Assemblies for High-Efficiency Ascorbic Acid Electrocatalysis. <i>ChemElectroChem</i> , 2018, 5, 3859-3865.	1.7	37
196	Rational Design of Three Two-Fold Interpenetrated Metal-Organic Frameworks: Luminescent Zn/Cd-Metal-Organic Frameworks for Detection of 2,4,6-Trinitrophenol and Nitrofurazone in the Aqueous Phase. <i>Crystal Growth and Design</i> , 2018, 18, 7173-7182.	1.4	135
197	<i>stk</i> : A python toolkit for supramolecular assembly. <i>Journal of Computational Chemistry</i> , 2018, 39, 1931-1942.	1.5	49
198	Photoluminescent, upconversion luminescent and nonlinear optical metal-organic frameworks: From fundamental photophysics to potential applications. <i>Coordination Chemistry Reviews</i> , 2018, 377, 259-306.	9.5	151

#	ARTICLE	IF	CITATIONS
199	Luminescent Zn(ii) coordination polymers as efficient fluorescent sensors for highly sensitive detection of explosive nitroaromatics. <i>CrystEngComm</i> , 2018, 20, 6762-6774.	1.3	32
200	Cryogenic Luminescent Tb/Eu-MOF Thermometer Based on a Fluorine-Modified Tetracarboxylate Ligand. <i>Inorganic Chemistry</i> , 2018, 57, 12596-12602.	1.9	80
201	Chiral self-sorted multifunctional supramolecular biocoordination polymers and their applications in sensors. <i>Nature Communications</i> , 2018, 9, 3933.	5.8	85
202	A Multifunctional Dual-Luminescent Polyoxometalate@Metal-Organic Framework EuW10@UiO-67 Composite as Chemical Probe and Temperature Sensor. <i>Frontiers in Chemistry</i> , 2018, 6, 425.	1.8	31
203	Metal-Organic Frameworks with Extended Viologen Units: Metal-Dependent Photochromism, Photomodulable Fluorescence, and Sensing Properties. <i>Crystal Growth and Design</i> , 2018, 18, 7191-7198.	1.4	69
204	A novel binary Cu ₂ I ₂ and Cu ₆ S ₆ cluster-based red emission compound and sensing of Cr(VI) in water. <i>Inorganic Chemistry Communication</i> , 2018, 98, 154-158.	1.8	9
205	Tunable Aggregation-Induced Multicolor Emission of Organic Nanoparticles by Varying the Substituent in Naphthalene Diimide. <i>Langmuir</i> , 2018, 34, 14328-14341.	1.6	25
206	Two 10^{10} Metal-Organic Frameworks as Low-Temperature Luminescent Molecular Thermometers. <i>Crystal Growth and Design</i> , 2018, 18, 7383-7390.	1.4	28
207	Multifunctional Behavior of Sulfonate-Based Hydrolytically Stable Microporous Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39049-39055.	4.0	18
208	A new twofold interpenetrated two-dimensional cadmium(II) coordination polymer constructed from 2,2'-bis(benzene-1,4-dicarboxamido)dipropionate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 1434-1439.	0.2	1
209	Highly Dynamic and Tunable Behavior of 1D Coordination Polymers Based on the Bispidine Ligand. <i>Chemistry - A European Journal</i> , 2018, 24, 19368-19372.	1.7	11
210	A Novel Magnesium Metal-Organic Framework as a Multiresponsive Luminescent Sensor for Fe(III) Ions, Pesticides, and Antibiotics with High Selectivity and Sensitivity. <i>Inorganic Chemistry</i> , 2018, 57, 13330-13340.	1.9	142
211	Metal-Organic Framework as a Microreactor for in Situ Fabrication of Multifunctional Nanocomposites for Photothermal Chemotherapy of Tumors in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 38729-38738.	4.0	42
212	Two Zn(II)-based metal-organic frameworks for selective detection of nitroaromatic explosives and Fe ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2018, 98, 120-126.	1.8	25
213	Interesting pH-Responsive Behavior in Benzothiadiazole-Derived Coordination Polymer Constructed via an in Situ Click Synthesis. <i>Crystal Growth and Design</i> , 2018, 18, 7419-7425.	1.4	17
214	Systematic Tuning of the Luminescence Output of Multicomponent Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 15470-15476.	6.6	103
215	Anisotropic energy transfer in crystalline chromophore assemblies. <i>Nature Communications</i> , 2018, 9, 4332.	5.8	54
216	Efficient Energy Transfer within Dyes Encapsulated Metal-Organic Frameworks to Achieve High Performance White Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800968.	3.6	62

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217	Visible-Light-Responsive 2D Cadmium-Organic Framework Single Crystals with Dual Functions of Water Reduction and Oxidation. <i>Advanced Materials</i> , 2018, 30, e1803401.	11.1	157
218	Detection of Pesticides in Aqueous Medium and in Fruit Extracts Using a Three-Dimensional Metal-Organic Framework: Experimental and Computational Study. <i>Inorganic Chemistry</i> , 2018, 57, 12155-12165.	1.9	47
219	Pillar-layered MOFs: functionality, interpenetration, flexibility and applications. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19288-19329.	5.2	152
220	Bringing Porous Organic and Carbon-Based Materials toward Thin-Film Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1801545.	7.8	53
221	Post-synthetically modified metal-organic framework as a scaffold for selective bisulphite recognition in water. <i>Polyhedron</i> , 2018, 156, 1-5.	1.0	17
222	A heterometallic microporous MOFs with two types of intrinsic secondary building units for selective gas separation and luminescence property. <i>Polyhedron</i> , 2018, 155, 218-222.	1.0	6
223	Coordination supramolecules with oxazoline-containing ligands. <i>CrystEngComm</i> , 2018, 20, 6109-6121.	1.3	7
224	A 2D water-stable metal-organic framework for fluorescent detection of nitroaromatics. <i>Polyhedron</i> , 2018, 155, 457-463.	1.0	28
225	Syntheses, characterization, and luminescent properties of Ca-based metal-organic frameworks based on 1,4-naphthalene dicarboxylate. <i>Inorganic Chemistry Communication</i> , 2018, 97, 69-73.	1.8	7
226	Two-Photon Absorption and Fluorescence in Micrometer-Sized Single Crystals of a Rhodamine B Coordinated Metal-Organic Framework. <i>ACS Applied Nano Materials</i> , 2018, 1, 5408-5413.	2.4	19
227	Biocarbon-templated synthesis of porous Ni-Co-O nanocomposites for room-temperature NH ₃ sensors. <i>New Journal of Chemistry</i> , 2018, 42, 17606-17614.	1.4	11
228	Two Self-Interpenetrating Copper(II)-Paddlewheel Metal-Organic Frameworks Constructed from Bifunctional Triazolate-Carboxylate Linkers. <i>Crystal Growth and Design</i> , 2018, 18, 6204-6210.	1.4	8
229	Energy Materials Design for Steering Charge Kinetics. <i>Advanced Materials</i> , 2018, 30, e1801988.	11.1	10
230	Structure-Switching Electrochemical Aptasensor for Single-Step and Specific Detection of Trace Mercury in Dairy Products. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10106-10112.	2.4	49
231	A highly hydrolytically stable lanthanide organic framework as a sensitive luminescent probe for DBP and chlorpyrifos detection. <i>Analyst</i> , The, 2018, 143, 5481-5486.	1.7	23
232	Utilizing an effective framework to dye energy transfer in a carbazole-based metal-organic framework for high performance white light emission tuning. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2868-2874.	3.0	38
233	Cluster-Based Metal-Organic Frameworks: Modulated Singlet-Triplet Excited States and Temperature-Responsive Phosphorescent Switch. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34377-34384.	4.0	103
234	Incorporating the Thiazolo[5,4-d]thiazole Unit into a Coordination Polymer with Interdigitated Structure. <i>Crystals</i> , 2018, 8, 30.	1.0	19

#	ARTICLE	IF	CITATIONS
235	Polymer in MOF Nanospace: from Controlled Chain Assembly to New Functional Materials. <i>Israel Journal of Chemistry</i> , 2018, 58, 995-1009.	1.0	18
236	Synthesis, structure, and fluorescence properties of a calcium-based metal-organic framework. <i>RSC Advances</i> , 2018, 8, 31588-31593.	1.7	22
237	Ultrathin two-dimensional metal-organic framework nanosheets for functional electronic devices. <i>Coordination Chemistry Reviews</i> , 2018, 377, 44-63.	9.5	182
238	Molecular Association-Induced Emission Shifts for E/Z Isomers and Selective Sensing of Nitroaromatic Explosives. <i>Crystal Growth and Design</i> , 2018, 18, 6197-6203.	1.4	17
239	Dual-Emitting Eu(III)-Cu(II) Heterometallic-Organic Framework: Simultaneous, Selective, and Sensitive Detection of Hydrogen Sulfide and Ascorbic Acid in a Wide Range. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32698-32706.	4.0	24
240	Polyoxometalate-Based Metal-Organic Frameworks with Conductive Polypyrrole for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32265-32270.	4.0	159
241	Perovskite ABO ₃ -Type MOF-Derived Carbon Decorated Fe ₃ O ₄ with Enhanced Lithium Storage Performance. <i>ChemElectroChem</i> , 2018, 5, 3426-3436.	1.7	9
242	Construction of five zinc coordination polymers with 4-substituted bis(trizole) and multicarboxylate ligands: Syntheses, structures and properties. <i>Polyhedron</i> , 2018, 155, 223-231.	1.0	10
243	Multistimuli-Responsive Hydrolytically Stable Smart-Mercury(II) Coordination Polymer. <i>Inorganic Chemistry</i> , 2018, 57, 11369-11381.	1.9	19
244	Efficient heterogeneous catalysis by dual ligand Zn(II)/Cd(II) MOFs for the Knoevenagel condensation reaction: adaptable synthetic routes, characterization, crystal structures and luminescence studies. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2630-2640.	3.0	59
245	Micropatterned Ultrathin MOF Membranes with Enhanced Molecular Sieving Property. <i>Angewandte Chemie</i> , 2018, 130, 14088-14092.	1.6	9
246	Micropatterned Ultrathin MOF Membranes with Enhanced Molecular Sieving Property. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13892-13896.	7.2	44
247	Anionic Lanthanide Metal-Organic Frameworks: Selective Separation of Cationic Dyes, Solvatochromic Behavior, and Luminescent Sensing of Co(II) Ion. <i>Inorganic Chemistry</i> , 2018, 57, 11463-11473.	1.9	88
248	Two luminescent lanthanide(III) metal-organic frameworks as chemosensors for high-efficiency recognition of Cr(VI) anions in aqueous solution. <i>Dalton Transactions</i> , 2018, 47, 15694-15702.	1.6	92
249	Topology-Guided Stepwise Insertion of Three Secondary Linkers in Zirconium Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 7710-7715.	6.6	81
250	A Zinc(II) Metal-Organic Framework as a Highly Selective Luminescence Probe for Acetylacetone Detection and Its Postsynthetic Cation Exchange. <i>Crystal Growth and Design</i> , 2018, 18, 3997-4003.	1.4	75
251	Breathing Europium-Terbium Co-doped Luminescent MOF as a Broad-Range Ratiometric Thermometer with a Contrasting Temperature-Intensity Relationship. <i>ACS Omega</i> , 2018, 3, 5754-5760.	1.6	28
252	A robust Zn(II)/Na(I)-MOF decorated with [(OAc) ₂ (H ₂ O) ₂] _n ²ⁿ⁺ anions for the luminescence sensing of copper ions based on the inner filter effect. <i>Dalton Transactions</i> , 2018, 47, 7787-7794.	1.6	43

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253	An anionic <i>sod</i> -type terbium-MOF with extra-large cavities for effective anthocyanin extraction and methyl viologen detection. <i>Chemical Communications</i> , 2018, 54, 5972-5975.	2.2	28
254	Two luminescent lanthanide-organic frameworks containing bithiophene groups for the selective detection of nitrobenzene and Fe ³⁺ . <i>CrystEngComm</i> , 2018, 20, 3609-3619.	1.3	29
255	Recent progress in the syntheses of mesoporous metal-organic framework materials. <i>Coordination Chemistry Reviews</i> , 2018, 369, 76-90.	9.5	137
256	Stable dye-encapsulated indium-organic framework as dual-emitting sensor for the detection of Hg ²⁺ /Cr ₂ O ₇ ²⁻ and a wide range of nitro-compounds. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6440-6448.	2.7	126
257	Novel 1D coordination polymers built from acyclic cryptate containing bis(1 <i>H</i> -1,2,4-triazole) ligands and featuring coordinated counteranions. <i>New Journal of Chemistry</i> , 2018, 42, 11324-11333.	1.4	6
258	Synergistic weak/strong coupling luminescence in Eu-metal-organic framework/Zn ₂ GeO ₄ :Mn ²⁺ nanocomposites for ratiometric luminescence thermometer. <i>Dyes and Pigments</i> , 2018, 157, 321-327.	2.0	35
259	Dual-Emitting UiO-66(Zr&Eu) Metal-Organic Framework Films for Ratiometric Temperature Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20854-20861.	4.0	76
260	Metal-organic framework (MOF)-based advanced sensing platforms for the detection of hydrogen sulfide. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 263-281.	5.8	75
261	Direct synthesis of functionalized PCN-333 <i>via</i> linker design for Fe ³⁺ detection in aqueous media. <i>Dalton Transactions</i> , 2018, 47, 11806-11811.	1.6	38
262	Magnetic Metal-Organic Framework Exhibiting Quick and Selective Solvatochromic Behavior along with Reversible Crystal-to-Amorphous-to-Crystal Transformation. <i>Inorganic Chemistry</i> , 2018, 57, 7006-7014.	1.9	38
263	Hierarchical Two-Dimensional Conductive Metal-Organic Framework/Layered Double Hydroxide Nanoarray for a High-Performance Supercapacitor. <i>Inorganic Chemistry</i> , 2018, 57, 6202-6205.	1.9	86
264	Luminescent Coordination Polymers of Naphthalene Based Diamide with Rigid and Flexible Dicarboxylates: Sensing of Nitro Explosives, Fe(III) Ion, and Dyes. <i>Crystal Growth and Design</i> , 2018, 18, 3683-3692.	1.4	66
265	Lanthanide-Based Porous Coordination Polymers: Syntheses, Slow Relaxation of Magnetization, and Magnetocaloric Effect. <i>Inorganic Chemistry</i> , 2018, 57, 6584-6598.	1.9	38
266	Insight Studies on Metal-Organic Framework Nanofibrous Membrane Adsorption and Activation for Heavy Metal Ions Removal from Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18619-18629.	4.0	347
267	Two luminescent cobalt(II) coordination polymers for selective sensing of MnO ₄ ⁻ in water. <i>Transition Metal Chemistry</i> , 2018, 43, 597-604.	0.7	5
268	Tuning the Photoinduced Electron Transfer in a Zr-MOF: Toward Solid-State Fluorescent Molecular Switch and Turn-On Sensor. <i>Advanced Materials</i> , 2018, 30, e1802329.	11.1	120
269	Syntheses, structures, and luminescence of a series of novel trimetallic coordination polymers constructed by Cu-I clusters and alkaline-carboxyl-alkaline-earth building units. <i>Journal of Solid State Chemistry</i> , 2018, 265, 393-401.	1.4	2
270	Multifunctional luminescent Cd(II)-based metal-organic framework material for highly selective and sensitive sensing 2,4,6-trinitrophenol (TNP) and Fe ³⁺ cation. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 177-183.	2.2	64

#	ARTICLE	IF	CITATIONS
271	Detection of Cu ²⁺ metals by luminescent sensor based on sulfonated poly(arylene ether nitrile)/metal-organic frameworks. <i>Materials Today Communications</i> , 2018, 16, 258-263.	0.9	11
272	Microwave-assisted dry-gel conversion-a new sustainable route for the rapid synthesis of metal-organic frameworks with solvent re-use. <i>Dalton Transactions</i> , 2018, 47, 9850-9860.	1.6	43
273	Porous 10- and 12-vertex (bi)-p-dicarba-closo-boranedicarboxylates of cobalt and their gas adsorptive properties. <i>Microporous and Mesoporous Materials</i> , 2018, 271, 284-294.	2.2	8
274	Monte Carlo Simulations to Examine the Role of Pore Structure on Ambient Air Separation in Metal-Organic Frameworks. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9240-9253.	1.8	14
275	Ln(III)-MOFs (Ln = Tb, Eu, Dy, and Sm) based on triazole carboxylic ligand with carboxylate and nitrogen donors with applications as chemical sensors and magnetic materials. <i>Journal of Coordination Chemistry</i> , 2018, 71, 2702-2713.	0.8	10
276	Oxidative deoxygenation reaction induced recognition of hypochlorite based on a new fluorescent lanthanide-organic framework. <i>Chemical Engineering Journal</i> , 2018, 351, 364-370.	6.6	63
277	A robust two-dimensional zirconium-based luminescent coordination polymer built on a V-shaped dicarboxylate ligand for vapor phase sensing of volatile organic compounds. <i>Chemical Communications</i> , 2018, 54, 8088-8091.	2.2	40
278	Novel luminescent lanthanide hybrid materials: fluorescence sensing of fluoride ions and N,N-dimethylformamide. <i>Dalton Transactions</i> , 2018, 47, 11530-11538.	1.6	17
279	Carbon nanodots in ZIF-8: synthesis, tunable luminescence and temperature sensing. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2739-2745.	3.0	38
280	Two-Dimensional Metal-Organic Framework Nanosheets: A Rapidly Growing Class of Versatile Nanomaterials for Gas Separation, MALDI-TOF Matrix and Biomimetic Applications. <i>Chemistry - A European Journal</i> , 2018, 24, 15131-15142.	1.7	65
281	Lanthanide Doped Near Infrared Active Upconversion Nanophosphors: Fundamental Concepts, Synthesis Strategies, and Technological Applications. <i>Small</i> , 2018, 14, e1801304.	5.2	103
282	Beyond pristine metal-organic frameworks: Preparation and application of nanostructured, nanosized, and analogous MOFs. <i>Coordination Chemistry Reviews</i> , 2018, 376, 20-45.	9.5	121
283	Visual detection of peroxide-based explosives using novel mimetic Ag nanoparticle/ZnMOF nanocomposite. <i>Journal of Hazardous Materials</i> , 2018, 360, 233-242.	6.5	49
284	A semiconductor and fluorescence dual-mode room-temperature ammonia sensor achieved by decorating hydroquinone into a metal-organic framework. <i>Chemical Communications</i> , 2018, 54, 9789-9792.	2.2	55
285	Fluorescence sensing of fluoride ions and N,N-dimethylformamide by novel luminescent lanthanide(III) xerogels. <i>Journal of Luminescence</i> , 2018, 204, 169-175.	1.5	6
286	Four New Stable Lanthanide Organic Frameworks: Highly Selective Luminescent Sensing and Magnetic Properties. <i>ChemistrySelect</i> , 2018, 3, 3214-3220.	0.7	6
287	Self-assembly of luminescent 12-metal Zn-Ln planar nanoclusters with sensing properties towards nitro explosives. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8513-8521.	2.7	56
288	Structure and LIBs Anode Material Application of Novel Wells-Dawson Polyoxometalate-Based Metal Organic Frameworks with Different Helical Channels. <i>Crystal Growth and Design</i> , 2018, 18, 5564-5572.	1.4	19

#	ARTICLE	IF	CITATIONS
289	Two metal-organic frameworks based on pyridyl-tricarboxylate ligands as size-selective catalysts for solvent-free cyanosilylation reaction. <i>CrystEngComm</i> , 2018, 20, 6070-6076.	1.3	9
290	Structural diversity, magnetic properties, and luminescence sensing of five 3D coordination polymers derived from designed 3,5-di(2,4-dicarboxylphenyl)benzoic acid. <i>CrystEngComm</i> , 2018, 20, 4752-4762.	1.3	69
291	Four different dimensional Zn(II) coordination polymers as fluorescent sensor for detecting Hg ²⁺ , Cr ^{2O7} ²⁻ in aqueous solution. <i>Journal of Solid State Chemistry</i> , 2018, 266, 181-188.	1.4	19
292	Flexible Metal-Organic Framework-Based Mixed-Matrix Membranes: A New Platform for H ₂ S Sensors. <i>Small</i> , 2018, 14, e1801563.	5.2	88
293	Photonic functional metal-organic frameworks. <i>Chemical Society Reviews</i> , 2018, 47, 5740-5785.	18.7	528
294	Eine Calixaren-basierte Metallorganische Gerüstverbindung für den hoch selektiven NO ₂ -Nachweis. <i>Angewandte Chemie</i> , 2018, 130, 13143-13147.	1.6	9
295	Two new alkaline earth metal organic frameworks with the diamino derivative of biphenyl-4,4'-dicarboxylate as bridging ligand: Structures, fluorescence and quenching by gas phase aldehydes. <i>Polyhedron</i> , 2018, 153, 173-180.	1.0	8
296	A luminescent Cd(II)-MOF as recyclable bi-responsive sensor for detecting TNP and iron(III)/silver(I) with high selectivity and sensitivity. <i>Polyhedron</i> , 2018, 153, 261-267.	1.0	38
297	Synthesis and crystal structure of a Zn(II) metal-organic framework based on 1,3,5-benzenetricarboxylate and 4,4'-bis(1-imidazolyl)biphenyl ligands: selective sensing of Mn ²⁺ and Fe ³⁺ ions in aqueous solution. <i>Journal of Coordination Chemistry</i> , 2018, 71, 2674-2690.	0.8	7
298	Synthesis and Crystal Structure of a Zn(II)-Based MOF Bearing Neutral N-Donor Linker and SiF ₆ ⁻ Anion. <i>Crystals</i> , 2018, 8, 37.	1.0	16
299	Construction of a three-dimensional supramolecular framework based on an anionic cadmium(II) coordination network and protonated dipyridine organic cations. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 889-893.	0.2	0
300	Indium Phosphite-Based Porous Solids Exhibiting Organic Sensing and a Facile Route to Superhydrophobicity. <i>Chemistry - A European Journal</i> , 2018, 24, 12474-12479.	1.7	8
301	Cu MOF-based catalytic sensing for formaldehyde. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8105-8114.	2.7	55
302	Luminescent Lanthanide MOFs: A Unique Platform for Chemical Sensing. <i>Materials</i> , 2018, 11, 572.	1.3	145
303	A 3D Stable Metal-Organic Framework for Highly Efficient Adsorption and Removal of Drug Contaminants from Water. <i>Polymers</i> , 2018, 10, 209.	2.0	48
304	A difunctional metal-organic framework with Lewis basic sites demonstrating turn-off sensing of Cu ²⁺ and sensitization of Ln ³⁺ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 7874-7879.	2.7	24
305	Metal-Organic Framework-Based Sensors for Environmental Contaminant Sensing. <i>Nano-Micro Letters</i> , 2018, 10, 64.	14.4	389
306	A luminescent turn-up metal-organic framework sensor for tryptophan based on singlet-singlet Förster energy transfer. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5174-5180.	2.9	61

#	ARTICLE	IF	CITATIONS
307	A novel double-walled Cd(II) metal-organic framework as highly selective luminescent sensor for CrO ₄ ²⁻ anion. <i>Polyhedron</i> , 2018, 153, 110-114.	1.0	21
308	Highly Luminescent Metal-Organic Frameworks Based on an Aggregation-Induced Emission Ligand as Chemical Sensors for Nitroaromatic Compounds. <i>Crystal Growth and Design</i> , 2018, 18, 5166-5173.	1.4	46
309	Three isostructural azo-functionalized 3D Cd(II)-coordination polymers for solvent dependent photoluminescence study. <i>Polyhedron</i> , 2018, 153, 115-121.	1.0	5
310	The Effect of Graphene Oxide Concentration on Luminescence Property of Tb ³⁺ -Complexes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2596-2602.	1.9	7
311	A Multifunctional Lanthanide Carbonate Cluster Based Metal-Organic Framework Exhibits High Proton Transport and Magnetic Entropy Change. <i>Inorganic Chemistry</i> , 2018, 57, 9020-9027.	1.9	47
312	A Calixarene-Based Metal-Organic Framework for Highly Selective NO ₂ Detection. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12961-12965.	7.2	78
313	Crystalline to Crystalline Phase Transformations in Six Two-Dimensional Dynamic Metal-Organic Frameworks: Syntheses, Characterizations, and Sorption Studies. <i>Crystal Growth and Design</i> , 2018, 18, 5231-5244.	1.4	8
314	Treatment of hyperphosphatemia based on specific interactions between phosphorus and Zr(^{iv}) active centers of nano-MOFs. <i>Chemical Science</i> , 2018, 9, 7483-7487.	3.7	16
315	A bi-metallic MOF catalyst <i>in situ</i> sensitive detection & adsorption of Fe ³⁺ ions for size-selective reaction prompting. <i>Dalton Transactions</i> , 2018, 47, 9267-9273.	1.6	19
316	A series of porous interpenetrating metal-organic frameworks based on fluorescent ligands for nitroaromatic explosive detection. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1622-1632.	3.0	51
317	Luminescence properties of mechanochemically synthesized lanthanide containing MIL-78 MOFs. <i>Dalton Transactions</i> , 2018, 47, 7594-7601.	1.6	53
318	Selective chiral symmetry breaking and luminescence sensing of a Zn(ⁱⁱ) metal-organic framework. <i>Dalton Transactions</i> , 2018, 47, 7934-7940.	1.6	14
319	A 2D zinc coordination polymer constructed from long and flexible N-containing tricarboxylate ligand for encapsulating Ln ³⁺ ions and luminescent sensing. <i>Inorganica Chimica Acta</i> , 2018, 479, 213-220.	1.2	6
320	Zr(IV)-Based Metal-Organic Framework with T-Shaped Ligand: Unique Structure, High Stability, Selective Detection, and Rapid Adsorption of Cr ₂ O ₇ ²⁻ in Water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16650-16659.	4.0	219
321	Dual-Emission SG7@MOF Sensor via SC ⁺ SC Transformation: Enhancing the Formation of Excimer Emission and the Range and Sensitivity of Detection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18012-18020.	4.0	68
322	A Ni-based redox-active metal-organic framework for sensitive and non-enzymatic detection of glucose. <i>Journal of Electroanalytical Chemistry</i> , 2018, 822, 43-49.	1.9	72
323	A Trichromatic and White-Light-Emitting MOF Composite for Multi-Dimensional and Multi-Response Ratiometric Luminescent Sensing. <i>Chemistry - A European Journal</i> , 2018, 24, 9555-9564.	1.7	33
324	Yb(III)-based MOFs with different bulky backbone ligands for optical detection and degradation of organic molecules in wastewater. <i>Polyhedron</i> , 2018, 154, 411-419.	1.0	7

#	ARTICLE	IF	CITATIONS
325	MIP-capped terbium MOF-76 for the selective fluorometric detection of cefixime after its preconcentration with magnetic graphene oxide. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 145-154.	4.0	55
326	Benchmarking of GGA density functionals for modeling structures of nanoporous, rigid and flexible MOFs. <i>Journal of Chemical Physics</i> , 2018, 149, 064110.	1.2	23
327	Luminescent Metal-Organic Framework Thin Films: From Preparation to Biomedical Sensing Applications. <i>Crystals</i> , 2018, 8, 338.	1.0	30
328	Determination of carbamazepine in urine and water samples using amino-functionalized metal-organic framework as sorbent. <i>Chemistry Central Journal</i> , 2018, 12, 77.	2.6	29
329	The insights from X-ray absorption spectroscopy into the local atomic structure and chemical bonding of Metal-organic frameworks. <i>Polyhedron</i> , 2018, 155, 232-253.	1.0	34
330	Two near white light emitting Pb(II) or Cd(II) complexes. <i>Inorganic Chemistry Communication</i> , 2018, 96, 116-118.	1.8	2
331	The interlocked <i>in situ</i> fabrication of graphene@prussian blue nanocomposite as high-performance supercapacitor. <i>Dalton Transactions</i> , 2018, 47, 13126-13134.	1.6	28
332	Three Co(II) metal-organic frameworks based on a substituted thiophene carboxylic acid ligand with semiconductive properties. <i>Journal of Solid State Chemistry</i> , 2018, 267, 68-75.	1.4	5
333	Enhancing the Lithium Storage Capacities of Coordination Compounds for Advanced Lithium-Ion Battery Anodes via a Coordination Chemistry Approach. <i>Inorganic Chemistry</i> , 2018, 57, 10640-10648.	1.9	20
334	Photocatalytic Hydrogen Generation from a Visible-Light-Responsive Metal-Organic Framework System: Stability versus Activity of Molybdenum Sulfide Cocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30035-30039.	4.0	71
335	Tuning the gate opening pressure of a flexible doubly interpenetrated metal-organic framework through ligand functionalization. <i>Dalton Transactions</i> , 2018, 47, 13158-13163.	1.6	24
336	Single-Phase White-Light-Emitting and Photoluminescent Color-Tuning Coordination Assemblies. <i>Chemical Reviews</i> , 2018, 118, 8889-8935.	23.0	444
337	Recent Development and Application of Conductive MOFs. <i>Israel Journal of Chemistry</i> , 2018, 58, 1010-1018.	1.0	50
338	Lanthanide(ⁱⁱⁱ) coordination polymers for luminescence detection of Fe(ⁱⁱⁱ) and picric acid. <i>New Journal of Chemistry</i> , 2018, 42, 15306-15310.	1.4	12
339	Chemical Reactions at Isolated Single-Sites Inside Metal-Organic Frameworks. <i>Catalysis Letters</i> , 2018, 148, 2201-2222.	1.4	33
340	Hydro/solvo-thermal syntheses and characterization of a series of CuII and CuI coordination polymers with an asymmetric semi-rigid Bi-functional ligand: Temperature induced polymorphism and photo-luminescent sensing. <i>Dyes and Pigments</i> , 2018, 159, 187-197.	2.0	3
341	A new anionic metal-organic framework based on tetranuclear zinc clusters: Selective absorption of CO ₂ and luminescent response to lanthanide (III) ions. <i>Inorganica Chimica Acta</i> , 2018, 482, 154-159.	1.2	5
342	Single crystal fluorescence behavior of a new HOF material: a potential candidate for a new LED. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6929-6939.	2.7	33

#	ARTICLE	IF	CITATIONS
343	Chiral coordination polymers based on d ¹⁰ metals and 2-aminonicotinate with blue fluorescent/green phosphorescent anisotropic emissions. Dalton Transactions, 2018, 47, 8746-8754.	1.6	12
344	Terminal Molecular Isomer-Effect on Supramolecular Self-Assembly System Based on Naphthalimide Derivative and Its Sensing Application for Mercury(II) and Iron(III) Ions. Langmuir, 2018, 34, 7404-7415.	1.6	33
345	Solvent-Triggered Reversible Phase Changes in Two Manganese-Based Metal-Organic Frameworks and Associated Sensing Events. Chemistry - A European Journal, 2018, 24, 13231-13237.	1.7	15
346	A Porous Framework as a Variable Chemosensor: From the Response of a Specific Carcinogenic Alkyl-Aromatic to Selective Detection of Explosive Nitroaromatics. Chemistry - A European Journal, 2018, 24, 11033-11041.	1.7	19
347	Three ligand-originated MOF isomers: the positional effect of the methyl group on structures and selective C ₂ H ₂ /CH ₄ and CO ₂ /CH ₄ adsorption properties. Dalton Transactions, 2018, 47, 8983-8991.	1.6	23
348	Coordination polymers and metal-organic frameworks built up with poly(tetrazolate) ligands. Coordination Chemistry Reviews, 2018, 372, 1-30.	9.5	74
349	Dual-emission and thermochromic luminescence alkaline earth metal coordination polymers and their blend films with polyvinylidene fluoride for detecting nitrobenzene vapor. Journal of Materials Chemistry C, 2018, 6, 7030-7041.	2.7	40
350	Dual-emissive ratiometric fluorescent probe based on Eu ³⁺ /C-dots@MOF hybrids for the biomarker diaminotoluene sensing. Sensors and Actuators B: Chemical, 2018, 272, 510-517.	4.0	95
351	Morphology-dependent electrochemical sensing performance of metal (Ni, Co, Zn)-organic frameworks. Analytica Chimica Acta, 2018, 1031, 60-66.	2.6	45
352	A new Cd ²⁺ -dihydroxyterephthalate MOF: Synthesis, crystal structure and detailed photophysical studies. Polyhedron, 2018, 151, 401-406.	1.0	3
353	Diverse cobalt(II) coordination polymers for water/ethanol separation and luminescence for water sensing applications. CrystEngComm, 2018, 20, 3891-3897.	1.3	15
354	Nanoscale zeolitic imidazole framework-90: selective, sensitive and dual-excitation ratiometric fluorescent detection of hazardous Cr(VI) anions in aqueous media. New Journal of Chemistry, 2018, 42, 12549-12556.	1.4	24
355	ESIPT Fluorescent Chromism and Conformational Change of 3-(2-Benzothiazolyl)-4-hydroxy-benzenesulfonic acid by Amine Sorption. Journal of Physical Chemistry C, 2018, 122, 16249-16255.	1.5	25
356	A 2D metal-thiacalix[4]arene porous coordination polymer with 1D channels: gas absorption/separation and frequency response. Dalton Transactions, 2018, 47, 9008-9013.	1.6	21
357	TbCo and Tb _{0.5} Dy _{0.5} Co layered cyanido-bridged frameworks for construction of colorimetric and ratiometric luminescent thermometers. Journal of Materials Chemistry C, 2018, 6, 8372-8384.	2.7	48
358	Ultrathin Metal-Organic Framework: An Emerging Broadband Nonlinear Optical Material for Ultrafast Photonics. Advanced Optical Materials, 2018, 6, 1800561.	3.6	268
359	Conformation versatility of ligands in coordination polymers: From structural diversity to properties and applications. Coordination Chemistry Reviews, 2018, 375, 558-586.	9.5	93
360	Ln(III)-Functionalized Metal-Organic Frameworks Hybrid System: Luminescence Properties and Sensor for trans-/cis-Muconic Acid as a Biomarker of Benzene. Inorganic Chemistry, 2018, 57, 7815-7824.	1.9	76

#	ARTICLE	IF	CITATIONS
361	Phosphorescence emission and fine structures observed respectively under ambient conditions and at <i>ca.</i> 55 K in a coordination polymer of lead(II)-thiophenedicarboxylate. Dalton Transactions, 2018, 47, 9334-9340.	1.6	12
362	A Trifunctional Luminescent 3D Microporous MOF with Potential for CO ₂ Separation, Selective Sensing of a Metal Ion, and Recognition of a Small Organic Molecule. European Journal of Inorganic Chemistry, 2018, 2018, 2785-2792.	1.0	28
363	A new water stable zinc metal organic framework as an electrode material for hydrazine sensing. New Journal of Chemistry, 2018, 42, 12486-12491.	1.4	32
364	Two azo-functionalized luminescent 3D Cd(II) MOFs for highly selective detection of Fe ³⁺ and Al ³⁺ . New Journal of Chemistry, 2018, 42, 12865-12871.	1.4	69
365	A Co(II) framework derived from a tris(4-(triazol-1-yl)phenyl)amine redox-active linker: an electrochemical and magnetic study. Dalton Transactions, 2018, 47, 9341-9346.	1.6	10
366	Multifunctional Ln(III) MOF Luminescent Probe for Efficient Sensing of Fe ³⁺ , Ce ³⁺ , and Acetone. ACS Applied Materials & Interfaces, 2018, 10, 23976-23986.	4.0	307
367	Rational synthesis of a luminescent uncommon (3,4,6)-c connected Zn(II) MOF: a dual channel sensor for the detection of nitroaromatics and ferric ions. Dalton Transactions, 2018, 47, 9627-9633.	1.6	92
368	A water-stable lanthanide-coordination polymer with free Lewis site for fluorescent sensing of Fe ³⁺ . Chinese Chemical Letters, 2019, 30, 75-78.	4.8	19
369	Secondary Component Incorporated Hollow MOFs and Derivatives for Catalytic and Energy Related Applications. Advanced Materials, 2019, 31, e1800743.	11.1	129
370	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
371	Highly selective and sensitive detection of Pb ²⁺ and UO ₂ ²⁺ ions based on a carboxyl-functionalized Zn(II)-MOF platform. Dyes and Pigments, 2019, 160, 159-164.	2.0	56
372	Structural Modulation of Coordination Polymers by Heterometallic Approach. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1062-1066.	0.6	0
373	Density Functional Theory Analysis of Host-Guest Interactions in Cu(II)-Based Metal-Organic Frameworks for Pesticide Detection. ACS Applied Nano Materials, 2019, 2, 5469-5474.	2.4	18
374	Multiresponsive UV-One-Photon Absorption, Near-Infrared-Two-Photon Absorption, and X ³⁺ -Photoelectric Absorption Luminescence in One [Cu ₄ L ₄] Compound. Inorganic Chemistry, 2019, 58, 10736-10742.	1.9	27
375	Strategies to fabricate metal-organic framework (MOF)-based luminescent sensing platforms. Journal of Materials Chemistry C, 2019, 7, 10743-10763.	2.7	273
376	A Microporous Co-MOF for Highly Selective CO ₂ Sorption in High Loadings Involving Aryl C=H...O...O Interactions: Combined Simulation and Breakthrough Studies. Inorganic Chemistry, 2019, 58, 11553-11560.	1.9	23
377	Luminescence sensing, electrochemical, and magnetic properties of 2D coordination polymers based on the mixed ligands <i>p</i> -terphenyl-2,2',5',5'-tetracarboxylate acid and 1,10-phenanthroline. New Journal of Chemistry, 2019, 43, 13349-13356.	1.4	48
378	Proton coupled electron transfer: novel photochromic performance in a host-guest collaborative MOF. Chemical Communications, 2019, 55, 10948-10951.	2.2	36

#	ARTICLE	IF	CITATIONS
379	Three Models To Encapsulate Multicomponent Dyes into Nanocrystal Pores: A New Strategy for Generating High-Quality White Light. <i>Journal of the American Chemical Society</i> , 2019, 141, 14807-14813.	6.6	116
380	Hysteretic four-step spin-crossover in a 3D Hofmann-type metal-organic framework with aromatic guest. <i>Chemical Communications</i> , 2019, 55, 11033-11036.	2.2	47
381	Three-Dimensional Co(II)-Metal-Organic Frameworks with Varying Porosities and Open Metal Sites toward Multipurpose Heterogeneous Catalysis under Mild Conditions. <i>Crystal Growth and Design</i> , 2019, 19, 5343-5353.	1.4	41
382	A Naphthalimide-Benzothiazole Conjugate as Colorimetric and Fluorescent Sensor for Selective Trinitrophenol Detection. <i>Chemosensors</i> , 2019, 7, 38.	1.8	17
383	A ratiometric multicolor fluorescence biosensor for visual detection of alkaline phosphatase activity via a smartphone. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111605.	5.3	89
384	Crystal Structure of Coordination Polymers Based on Scandium and 2,5-Pyrazinedicarboxylic Acid. <i>Journal of Structural Chemistry</i> , 2019, 60, 823-829.	0.3	2
385	Structural Diversity in Luminescent MOFs Containing a Bent Electron-Rich Dicarboxylate Linker and a Flexible Capping Ligand: Selective Detection of 4-Nitroaniline in Water. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3712-3720.	1.7	16
386	Tailor-made porous polymer and silica monolithic designs as probe anchoring templates for the solid-state naked eye sensing and preconcentration of hexavalent chromium. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126896.	4.0	21
387	The Growth of Photoactive Porphyrin-Based MOF Thin Films Using the Liquid-Phase Epitaxy Approach and their Optoelectronic Properties. <i>Materials</i> , 2019, 12, 2457.	1.3	11
388	Photo-induced electron transfer in a metal-organic framework: a new approach towards a highly sensitive luminescent probe for Fe ³⁺ . <i>Chemical Communications</i> , 2019, 55, 11231-11234.	2.2	55
389	Post-impacting Brønsted acidity into an amino-functionalized MOF as a bifunctional luminescent turn-ON sensor for the detection of aluminum ions and lysine. <i>Dalton Transactions</i> , 2019, 48, 13834-13840.	1.6	50
390	A Recyclable bifunctional Luminescent Zinc (II) metal-organic framework as highly selective and sensitive sensing probe for nitroaromatic explosives and Fe ³⁺ ions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5109.	1.7	12
391	A naphthalenediimide-based Co-MOF as naked-eye colorimetric sensor to humidity. <i>Journal of Solid State Chemistry</i> , 2019, 277, 658-664.	1.4	18
392	Highly sensitive and selective fluorescent detection of phosphate in water environment by a functionalized coordination polymer. <i>Water Research</i> , 2019, 163, 114883.	5.3	48
393	Cycloaddition of CO ₂ with an Epoxide-Bearing Oxindole Scaffold by a Metal-Organic Framework-Based Heterogeneous Catalyst under Ambient Conditions. <i>Inorganic Chemistry</i> , 2019, 58, 10084-10096.	1.9	65
394	Detoxification and Sensing of Organophosphate-Based Pesticides and Preservatives in Beverages. , 2019, , 467-510.		1
395	Freestanding laser induced graphene paper based liquid sensors. <i>Carbon</i> , 2019, 153, 472-480.	5.4	37
396	Tunable Emission in Heteroepitaxial Ln-SURMOFs. <i>Advanced Functional Materials</i> , 2019, 29, 1903086.	7.8	40

#	ARTICLE	IF	CITATIONS
397	Metal-organic frameworks for detection and desensitization of environmentally hazardous nitro-explosives and related high energy materials. , 2019, , 231-283.		4
398	Three d10 based metal-organic frameworks constructed from 2-(3- TM ,4- TM -dicarboxylphenoxy) isophthalic acid: Dual-functional luminescent sensors for Cu ²⁺ , Fe ³⁺ cations and Aspartic acid. Journal of Solid State Chemistry, 2019, 277, 564-574.	1.4	11
399	Fabrication of hydrogen-bonded metal-complex frameworks for capturing iodine. Journal of Solid State Chemistry, 2019, 277, 525-530.	1.4	7
400	Target-Architecture Engineering of a Novel Two-dimensional Metal-Organic Framework for High Catalytic Performance. Crystal Growth and Design, 2019, 19, 4239-4245.	1.4	14
401	Quasi metal organic framework with highly concentrated Cr ₂ O ₃ molecular clusters as the efficient catalyst for dehydrofluorination of 1,1,1,3,3-pentafluoropropane. Applied Catalysis B: Environmental, 2019, 257, 117939.	10.8	28
402	A nanoporous metal-organic framework as a renewable size-selective hydrogen-bonding catalyst in water. Dalton Transactions, 2019, 48, 11855-11861.	1.6	8
403	Metal-organic frameworks for recognition and sequestration of toxic anionic pollutants. , 2019, , 95-140.		6
404	Metal-organic frameworks for capture and degradation of organic pollutants. , 2019, , 203-229.		6
405	Four alkaline earth metal (Mg, Ca, Sr, Ba)-based MOFs as multiresponsive fluorescent sensors for Fe ³⁺ , Pb ²⁺ and Cu ²⁺ ions in aqueous solution. Journal of Solid State Chemistry, 2019, 277, 636-647.	1.4	23
406	A cationic tetrahedral Zn(^{sc}) cluster based on a new salicylamide imine multidentate ligand: synthesis, structure and fluorescence sensing study. Dalton Transactions, 2019, 48, 12326-12335.	1.6	14
407	Synthesis, structure and photocatalytic degradation of organic dyes of a copper(II) metal-organic framework (Cu-MOF) with a 4-coordinated three-dimensional CdSO ₄ topology. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1053-1059.	0.2	9
408	Effect of arrangement of functional groups on stability and gas adsorption properties in two regioisomeric copper bent diisophthalate frameworks. CrystEngComm, 2019, 21, 4820-4827.	1.3	22
409	Post-modified metal-organic framework as a turn-on fluorescent probe for potential diagnosis of neurological diseases. Microporous and Mesoporous Materials, 2019, 288, 109610.	2.2	27
410	Bimetallic-based food sensors for meat spoilage: Effects of the accepting metallic unit in Fe(II) C N MA (MA ⁻ =Pt(II) or Au(I)) on device selectivity and sensitivity. Food Chemistry, 2019, 300, 125190.	4.2	1
411	Recent Progress in Metal-Organic Framework (MOF) Based Luminescent Chemodosimeters. Nanomaterials, 2019, 9, 974.	1.9	52
412	Thermal and stress tension dual-responsive photonic crystal nanocomposite hydrogels. RSC Advances, 2019, 9, 21202-21205.	1.7	9
413	Seven new complexes based on various coordination modes of bifunctional ligand: Luminescent sensing and magnetic properties. Inorganica Chimica Acta, 2019, 495, 118971.	1.2	8
414	All Roads Lead to Rome: Tuning the Luminescence of a Breathing Catenated Zr-MOF by Programmable Multiplexing Pathways. Chemistry of Materials, 2019, 31, 5550-5557.	3.2	30

#	ARTICLE	IF	CITATIONS
415	Amino-Incorporated Tricarboxylate Metal-Organic Framework for the Sensitive Fluorescence Detection of Heavy Metal Ions with Insights into the Origin of Photoluminescence Response. <i>Inorganic Chemistry</i> , 2019, 58, 10671-10679.	1.9	64
416	Two Stable Terbium-Organic Frameworks Based on Predesigned Functionalized Ligands: Selective Sensing of Fe ³⁺ Ions and C ₂ H ₂ /CH ₄ Separation. <i>Inorganic Chemistry</i> , 2019, 58, 10295-10303.	1.9	50
417	Single Crystal Perovskite Microplate for High-Order Multiphoton Excitation. <i>Small Methods</i> , 2019, 3, 1900396.	4.6	17
418	A dual fluorescent/phosphorescent zincophosphite with interesting water adsorption and structural transformation properties. <i>Dalton Transactions</i> , 2019, 48, 14294-14298.	1.6	5
419	MIL-53(Al) as a Versatile Platform for Ionic-Liquid/MOF Composites to Enhance CO ₂ Selectivity over CH ₄ and N ₂ . <i>Chemistry - an Asian Journal</i> , 2019, 14, 3655-3667.	1.7	44
420	Optical Properties of Azo-Benzothiazole Side Chain Liquid Crystalline Polymers: Effect of Solvents, Substituents and Temperatures. <i>Journal of Fluorescence</i> , 2019, 29, 1049-1056.	1.3	1
421	Selective detection of two representative organic arsenic compounds in aqueous medium with metal-organic frameworks. <i>Environmental Science: Nano</i> , 2019, 6, 2759-2766.	2.2	33
422	Control of the nucleation and growth processes of metal-organic frameworks using a metal ion-doped polymer substrate for the construction of continuous films. <i>CrystEngComm</i> , 2019, 21, 4851-4854.	1.3	2
423	Electronic, Structural and Functional Versatility in Tetrathiafulvalene-Lanthanide Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019, 25, 12636-12643.	1.7	40
424	Defective hierarchical porous copper-based metal-organic frameworks synthesised via facile acid etching strategy. <i>Scientific Reports</i> , 2019, 9, 10887.	1.6	37
425	Zn(<i>scp</i>)-based coordination polymer: An emissive signaling platform for the recognition of an explosive and a pesticide in an aqueous system. <i>Dalton Transactions</i> , 2019, 48, 12382-12385.	1.6	21
426	Pressure-Induced Multiphoton Excited Fluorochromic Metal-Organic Frameworks for Improving MPEF Properties. <i>Angewandte Chemie</i> , 2019, 131, 14517-14523.	1.6	12
427	Pressure-Induced Multiphoton Excited Fluorochromic Metal-Organic Frameworks for Improving MPEF Properties. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14379-14385.	7.2	53
428	MIP-coated Eu(BTC) for the fluorometric determination of lincomycin in eggs. <i>Analytical Methods</i> , 2019, 11, 4501-4510.	1.3	9
429	Unravelling Why and to What Extent the Topology of Similar Ce-Based MOFs Conditions their Photodynamic: Relevance to Photocatalysis and Photonics. <i>Advanced Science</i> , 2019, 6, 1901020.	5.6	34
430	Metal-organic frameworks for the sorption of acetone and isopropanol in exhaled breath of diabetics prior to quantitation by gas chromatography. <i>Mikrochimica Acta</i> , 2019, 186, 588.	2.5	25
431	Competitive electrochemical immunosensor for maduramicin detection by multiple signal amplification strategy via hemin@Fe-MIL-88NH ₂ /AuPt. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111554.	5.3	45
432	Fluorescence sensing of H ₂ O in alcohols solvents based on instability of the by-product from synthesis of metal-organic framework. <i>Microporous and Mesoporous Materials</i> , 2019, 290, 109624.	2.2	5

#	ARTICLE	IF	CITATIONS
433	Aqueous-Phase Differentiation and Speciation of Fe ³⁺ and Fe ²⁺ Using Water-Stable Photoluminescent Lanthanide-Based Metal-Organic Framework. ACS Applied Nano Materials, 2019, 2, 5169-5178.	2.4	41
434	Modulating Excitation Energy of Luminescent Metal-Organic Frameworks for Detection of Cr(VI) in Water. ACS Applied Nano Materials, 2019, 2, 4646-4654.	2.4	68
435	Metal-organic framework-derived materials for electrochemical energy applications. EnergyChem, 2019, 1, 100001.	10.1	438
436	Metal-organic framework film for fluorescence turn-on H ₂ S gas sensing and anti-counterfeiting patterns. Science China Materials, 2019, 62, 1445-1453.	3.5	31
437	Zn(II)-based metal-organic frameworks derived from dicarboxylate ligand and N-donor ligands as luminescent sensors for selective detection of picric acid. Journal of Molecular Structure, 2019, 1196, 194-200.	1.8	10
438	Molecular chains of coordinated dimolybdenum isonicotinate paddlewheel clusters. RSC Advances, 2019, 9, 16492-16495.	1.7	5
439	l-Proline functionalized metal-organic framework PCN-261 as catalyst for aldol reaction. Inorganic Chemistry Communication, 2019, 107, 107448.	1.8	13
440	Mixed-ligand lanthanide complexes constructed by flexible 1,3-propanediaminetetraacetate and rigid terephthalate. Journal of Coordination Chemistry, 2019, 72, 1547-1559.	0.8	6
441	Persistent luminescent metal-organic frameworks with long-lasting near infrared emission for tumor site activated imaging and drug delivery. Biomaterials, 2019, 217, 119332.	5.7	85
442	Concurrent Modulation of Competitive Mechanisms to Design Stimuli-Responsive Ln-MOFs: A Light-Operated Dual-Mode Assay for Oxidative DNA Damage. Advanced Functional Materials, 2019, 29, 1903058.	7.8	42
443	Designing an "On-Off" Fluorescence Sensor Based on Cluster-Based Ca ^{II} -Metal-Organic Frameworks for Detection of Cysteine in Biological Fluids. Langmuir, 2019, 35, 9885-9895.	1.6	32
444	[2 + 2] cycloaddition reaction and luminescent sensing of Fe ³⁺ and Cr ²⁺ O ₇ ²⁻ ions by a cadmium-based coordination polymer. Dalton Transactions, 2019, 48, 12159-12167.	1.6	18
445	A dye@MOF crystalline probe serving as a platform for ratiometric sensing of trichloroacetic acid (TCA), a carcinogen metabolite in human urine. CrystEngComm, 2019, 21, 4637-4643.	1.3	27
446	Two zinc coordination polymers based on flexible co-ligands featuring assembly imparted sensing abilities for Cr ²⁺ O ₇ ²⁻ and <i>o</i> -NP. RSC Advances, 2019, 9, 21086-21094.	1.7	14
447	The difference of La and Ce as additives of electrical conductivity aluminum alloys. Materials Characterization, 2019, 158, 109963.	1.9	26
448	Solvent-Assisted, Thermally Triggered Structural Transformation in Flexible Mesoporous Metal-Organic Frameworks. Chemistry of Materials, 2019, 31, 8787-8793.	3.2	30
449	Loading Photochromic Molecules into a Luminescent Metal-Organic Framework for Information Anticounterfeiting. Angewandte Chemie - International Edition, 2019, 58, 18025-18031.	7.2	205
450	Solvo-thermal Preparation of One Novel Cadmium(II) Coordination Polymer with 1-(4-aminobenzyl)-1,2,4-triazole and Bi-functional Photo-luminescent Sensing for Acetone and Dichromate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1324-1333.	0.6	5

#	ARTICLE	IF	CITATIONS
451	Factors influencing thermal solidification of bent-core trimers. <i>Journal of Chemical Physics</i> , 2019, 151, 134501.	1.2	5
452	Syntheses, structure, photocatalytic degradation for methylene blue of Co(II)-Based coordination polymers. <i>Journal of Solid State Chemistry</i> , 2019, 279, 120932.	1.4	10
453	Tetra(4-imidazolylphenyl)ethylene based metal-organic frameworks for highly selective detection of TNP and Fe ³⁺ . <i>Journal of Solid State Chemistry</i> , 2019, 280, 120993.	1.4	20
454	Light-Switchable One-Dimensional Photonic Crystals Based on MOFs with Photomodulatable Refractive Index. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6626-6633.	2.1	17
455	White Light Emission Properties of Defect Engineered Metal-Organic Frameworks by Encapsulation of Eu ³⁺ and Tb ³⁺ . <i>Crystal Growth and Design</i> , 2019, 19, 6339-6350.	1.4	35
456	A new luminescent anionic metal-organic framework based on heterometallic zinc(II)-barium(II) for selective detection of Fe ³⁺ and Cu ²⁺ ions in aqueous solution. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1372-1380.	0.2	5
457	Tailoring Coordination Polymers by Substituent Effect: A Bifunctional Co II Doped 1D Coordination Network with Electrochemical Water Oxidation and Nitroaromatics Sensing. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3742-3747.	1.7	17
458	Recent Advances in Preparation and Applications of Magnetic Framework Composites. <i>Chemistry - an Asian Journal</i> , 2019, 14, 3515-3530.	1.7	35
459	Visualizing Platinum Supraparticle Formation with Liquid Cell Electron Microscopy and Correlative Investigation of Catalytic Activity. <i>Microscopy and Microanalysis</i> , 2019, 25, 2026-2027.	0.2	0
460	A heterometallic metal-organic framework based on multi-nuclear clusters exhibiting high stability and selective gas adsorption. <i>Dalton Transactions</i> , 2019, 48, 278-284.	1.6	23
461	A fluorescent pillarene coordination polymer. <i>Polymer Chemistry</i> , 2019, 10, 2980-2985.	1.9	38
462	Study on selenium accumulation characteristics of <i>Lycopersicon esculentum</i> , <i>Solanum melongena</i> and <i>Solanum nigrum</i> . <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 310, 042065.	0.2	1
463	An Ion-Exchangeable MOF with Reversible Dehydration and Dynamic Structural Behavior (NH ₄) ₂ [Zn ₂ (O ₃ PCH ₂ CH ₂ COO) ₂] \cdot 5H ₂ O (BIRMA-1). <i>Chemistry - A European Journal</i> , 2019, 25, 13865-13868.	1.7	1
464	Superior relation-based firefly algorithm for superior solution set search problem. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2019, 14, 1796-1804.	0.8	3
465	3D Cadmium(II)-Based Coordination Polymer Constructed from V-Shaped Semirigid Ligand: Selective Detection of Oxoanion Pollutants CrO ₄ ²⁻ , Cr ₂ O ₇ ²⁻ , MnO ₄ ⁻ in Water. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 1358-1364.	0.6	56
466	Cd ^{II} -Organic Frameworks Fabricated with a Rich Ligand and Flexible Dicarboxylates: Structural Diversity and Multi-Responsive Luminescent Sensing for Toxic Anions and Ethylenediamine. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4420-4428.	1.7	31
467	Lanthanide Coordination Polymer-Based Composite Films for Selective and Highly Sensitive Detection of Cr ₂ O ₇ ²⁻ in Aqueous Media. <i>Inorganic Chemistry</i> , 2019, 58, 15118-15125.	1.9	41
468	Blue-Light-Excitable, Quantum Yield Enhanced, Yellow-Emitting, Zirconium-Based Metal-Organic Framework Phosphors Formed by Immobilizing Organic Chromophores. <i>Crystal Growth and Design</i> , 2019, 19, 6850-6854.	1.4	13

#	ARTICLE	IF	CITATIONS
469	Probing the Role of Anions in Influencing the Structure, Stability, and Properties in Neutral N-Donor Linker Based Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2019, 19, 7046-7054.	1.4	23
470	Dual-Functionalized Fluorescent Cationic Organic Network: Highly Efficient Detection and Removal of Dichromate from Water. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46197-46204.	4.0	21
471	On the Use of MOFs and ALD Layers as Nanomembranes for the Enhancement of Gas Sensors Selectivity. <i>Nanomaterials</i> , 2019, 9, 1552.	1.9	11
472	Fixing Flexible Arms of Core-Shared Ligands to Enhance the Stability of Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2019, 58, 15909-15916.	1.9	14
473	Metal organic frameworks (MOFs): Current trends and challenges in control and management of air quality. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1839-1853.	1.2	22
474	Bioelectricity, Its Fundamentals, Characterization Methodology, and Applications in Nano-Bioprobing and Cancer Diagnosis. <i>Advanced Biology</i> , 2019, 3, e1900101.	3.0	18
475	Loading Photochromic Molecules into a Luminescent Metal-Organic Framework for Information Anticounterfeiting. <i>Angewandte Chemie</i> , 2019, 131, 18193-18199.	1.6	62
476	Zn- and Cd-based Coordination Polymers Offering H-Bonding Cavities: Highly Selective Sensing of S^{2-} and Fe^{3+} Ions. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4594-4600.	1.7	20
477	Fluorescent -Sensing Based on Metal-Organic Frameworks (MOFs). <i>Chemistry - an Asian Journal</i> , 2019, 14, 4506-4519.	1.7	140
478	Coordination Polymers and Clusters Based on the Versatile Mercaptonicotinate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4607-4620.	1.0	3
479	Lanthanide coordination polymers constructed from the asymmetrical N-heterocyclic rigid carboxylate: Synthesis, crystal structures, luminescence properties and magnetic properties. <i>Polyhedron</i> , 2019, 161, 47-55.	1.0	64
480	In-situ S/TEM Probing of the Coupling among Electrochemical, Thermal, and Mechanical Effect in Rechargeable Batteries. <i>Microscopy and Microanalysis</i> , 2019, 25, 2164-2165.	0.2	0
481	High Energy Density Asymmetric Supercapacitor Based on $NiCo_2S_4$ /CNTs Hybrid and Carbon Nanotube Paper Electrodes. <i>Journal of Molecular and Engineering Materials</i> , 2019, 07, .	0.9	24
482	A stable zirconium based metal-organic framework for specific recognition of representative polychlorinated dibenzo-p-dioxin molecules. <i>Nature Communications</i> , 2019, 10, 3861.	5.8	164
483	The synthetic strategies of metal-organic framework membranes, films and 2D MOFs and their applications in devices. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21004-21035.	5.2	94
484	Recent advances in covalent organic frameworks (COFs) as a smart sensing material. <i>Chemical Society Reviews</i> , 2019, 48, 5266-5302.	18.7	630
485	Tracking the Multistep Formation of Ln(III) Complexes with in situ Schiff Base Exchange Reaction and its Highly Selective Sensing of Dichloromethane. <i>Scientific Reports</i> , 2019, 9, 12231.	1.6	17
486	Hybrid MOFs-graphene composites: Correlation between thermal transport and kinetics of hydrogen adsorption. <i>International Journal of Heat and Mass Transfer</i> , 2019, 143, 118539.	2.5	10

#	ARTICLE	IF	CITATIONS
487	A highly selective and sensitive fluorescent sensor based on Tb ³⁺ -functionalized MOFs to determine arginine in urine: a potential application for the diagnosis of cystinuria. <i>Analyst</i> , The, 2019, 144, 5875-5881.	1.7	32
488	Pyrazinyl-functionalized Zr(IV)-MOF for ultrasensitive detection of tyrosine/TNP and efficient CO ₂ /N ₂ separation. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11851-11857.	2.7	31
489	Trinuclear Ni(II) oriented highly dense packing and π -conjugation degree of metal-organic frameworks for efficient water oxidation. <i>CrystEngComm</i> , 2019, 21, 5862-5866.	1.3	23
490	Structure-Driven Photoluminescence Enhancement in a Zn-Based Metal-Organic Framework. <i>Chemistry of Materials</i> , 2019, 31, 7933-7940.	3.2	21
491	Assembly of Metal-Organic Frameworks of SiF ₆ ²⁻ in Situ Formed from Borosilicate Glass. <i>Inorganic Chemistry</i> , 2019, 58, 12501-12505.	1.9	5
492	Dual-Emissive Metal-Organic Framework as a Fluorescent α -Switch for Ratiometric Sensing of Hypochlorite and Ascorbic Acid. <i>Inorganic Chemistry</i> , 2019, 58, 13360-13369.	1.9	94
493	Alkaline Hydrolysis Behavior of Metal-Organic Frameworks NH ₂ -MIL-53(Al) Employed for Sensitive Immunoassay via Releasing Fluorescent Molecules. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35597-35603.	4.0	45
494	Tb post-functionalized La (III) metal organic framework hybrid probe for simple and highly sensitive detection of acetaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 126985.	4.0	34
495	Development and Applications of MOFs Derivative One-Dimensional Nanofibers via Electrospinning. <i>Mini-Review. Nanomaterials</i> , 2019, 9, 1306.	1.9	38
496	A Robust Multifunctional Eu ₆ -Cluster Based Framework for Gas Separation and Recognition of Small Molecules and Heavy Metal Ions. <i>Crystal Growth and Design</i> , 2019, 19, 6381-6387.	1.4	26
497	Host-Guest Interaction between Methanol and Metal-Organic Framework Cu ₃ Zn ₂ (btc) ₂ as Revealed by Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24062-24070.	1.5	12
498	Assembly of Two Isostructural Metal-organic Frameworks Based on Hetero-N,O Donor Ligand for Detecting Nitro Explosives. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 762-766.	1.3	3
499	Ligand Excess α -Inverse-Defected-Zr ₆ Tetrahedral Tetracarboxylate Framework and Its Thermal Transformation. <i>Inorganic Chemistry</i> , 2019, 58, 12786-12797.	1.9	3
500	Synthesis of Two Mononuclear Schiff Base Metal (M = Fe, Cu) Complexes: MOF Structure, Dye Degradation, H ₂ O ₂ Sensing, and DNA Binding Property. <i>ACS Omega</i> , 2019, 4, 16068-16079.	1.6	62
501	LCOFs: Role of the excited state hydrogen bonding in the detection for nitro-explosives. <i>Journal of Luminescence</i> , 2019, 215, 116733.	1.5	7
502	A ciprofloxacin based 1D Cd(II) coordination polymer with highly efficient humidity sensing performance. <i>Inorganic Chemistry Communication</i> , 2019, 108, 107541.	1.8	9
503	Recent advances in luminescent metal-organic frameworks for chemical sensors. <i>Science China Materials</i> , 2019, 62, 1655-1678.	3.5	132
504	Metal-organic frameworks as materials for applications in sensors. <i>Mendeleev Communications</i> , 2019, 29, 361-368.	0.6	33

#	ARTICLE	IF	CITATIONS
505	Luminescent metal-organic frameworks as potential sensory materials for various environmental toxic agents. <i>Coordination Chemistry Reviews</i> , 2019, 401, 213065.	9.5	173
506	Magnesium based coordination polymers: Syntheses, structures, properties and applications. <i>Coordination Chemistry Reviews</i> , 2019, 399, 213025.	9.5	17
507	Tunable excitation-dependent emissions in mixed-ligand Cd(II) complexes. <i>Polyhedron</i> , 2019, 171, 338-343.	1.0	4
508	Effect of the change of the ancillary carboxylate bridging ligand on the SMM and luminescence properties of a series of carboxylate-diphenoxido triply bridged dinuclear ZnLn and tetranuclear Zn ₂ Ln ₂ complexes (Ln = Dy, Er). <i>Dalton Transactions</i> , 2019, 48, 190-201.	1.6	13
509	A heterometallic sodium(i)-europium(iii)-organic layer exhibiting dual-responsive luminescent sensing for nitrofurantoin antibiotics, Cr ₂ O ₇ ²⁻ and MnO ₄ ⁻ anions. <i>Dalton Transactions</i> , 2019, 48, 1823-1834.	1.6	90
510	A rationally designed vapoluminescent compound with adsorptive channels and responsive luminophores for volatile organic compounds (VOCs). <i>Dalton Transactions</i> , 2019, 48, 1179-1183.	1.6	6
511	A rational design and green synthesis of 3D metal organic frameworks containing a rigid heterocyclic nitrogen-rich dicarboxylate: structural diversity, CO ₂ sorption and selective sensing of 2,4,6-TNP in water. <i>Dalton Transactions</i> , 2019, 48, 2388-2398.	1.6	37
512	Two unique copper cluster-based metal-organic frameworks with high performance for CO ₂ adsorption and separation. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 556-561.	3.0	23
513	Five coordination polymers of Cd(II) and Co(II) using 3,3'-azobispyridine and different dicarboxylates: Synthesis, structures and adsorption properties. <i>Polyhedron</i> , 2019, 161, 289-297.	1.0	11
514	A robust and water-stable two-fold interpenetrated metal-organic framework containing both rigid tetrapodal carboxylate and rigid bifunctional nitrogen linkers exhibiting selective CO ₂ capture. <i>Dalton Transactions</i> , 2019, 48, 415-425.	1.6	20
515	A carbazole-functionalized metal-organic framework for efficient detection of antibiotics, pesticides and nitroaromatic compounds. <i>Dalton Transactions</i> , 2019, 48, 2683-2691.	1.6	99
516	Soft material nanoarchitectonics at interfaces: molecular assembly, nanomaterial synthesis, and life control. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 49-64.	1.7	30
517	Zinc-based CPs for effective detection of Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions. <i>New Journal of Chemistry</i> , 2019, 43, 1494-1504.	1.4	26
518	Zinc(ii)-organic framework as a multi-responsive photoluminescence sensor for efficient and recyclable detection of pesticide 2,6-dichloro-4-nitroaniline, Fe(iii) and Cr(vi). <i>New Journal of Chemistry</i> , 2019, 43, 2353-2361.	1.4	113
519	Making Prussian blue analogues nanoparticles luminescent: effect of the luminophore confinement over the properties. <i>Nanoscale</i> , 2019, 11, 7097-7101.	2.8	8
520	Block co-polyMOFs: morphology control of polymer-MOF hybrid materials. <i>Chemical Science</i> , 2019, 10, 1746-1753.	3.7	68
521	A Zn based metal organic framework as a heterogeneous catalyst for C-C bond formation reactions. <i>New Journal of Chemistry</i> , 2019, 43, 3793-3800.	1.4	55
522	La(III)-based MOFs with 5-aminoisophthalic acid for optical detection and degradation of organic molecules in water. <i>Polyhedron</i> , 2019, 162, 255-262.	1.0	15

#	ARTICLE	IF	CITATIONS
523	Lanthanide cation encapsulated in a metal-organic framework as a white LED and selective naked-eye reversible HCl sensor. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2880-2885.	2.7	29
524	Effect of charge transfer and structural rigidity on divergent luminescence response of a metal-organic framework towards different metal ions: luminescence lifetime decay experiments and DFT calculations. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1110-1121.	1.6	29
525	Stable Cd(II)-MOF as a fluorescent sensor for efficient detection of uranyl ions. <i>Materials Letters</i> , 2019, 241, 184-186.	1.3	16
526	Robust synthesis routes and porosity of the Al-based metal-organic frameworks Al-fumarate, CAU-10-H and MIL-160. <i>Dalton Transactions</i> , 2019, 48, 2967-2976.	1.6	70
527	Space-confined indicator displacement assay inside a metal-organic framework for fluorescence turn-on sensing. <i>Chemical Science</i> , 2019, 10, 3307-3314.	3.7	62
528	Three resorcin[4]arene-based lanthanide-coordination polymers with multifunctional photoluminescence sensing properties. <i>RSC Advances</i> , 2019, 9, 3647-3652.	1.7	3
529	A luminescent terbium metal-organic framework for highly sensitive and selective detection of uric acid in aqueous media. <i>Journal of Solid State Chemistry</i> , 2019, 272, 55-61.	1.4	21
530	8-Hydroxyquinolate-Based Metal-Organic Frameworks: Synthesis, Tunable Luminescent Properties, and Highly Sensitive Detection of Small Molecules and Metal Ions. <i>Inorganic Chemistry</i> , 2019, 58, 2444-2453.	1.9	72
531	Isostructural Tb ³⁺ /Eu ³⁺ Co-Doped Metal-Organic Framework Based on Pyridine-Containing Dicarboxylate Ligands for Ratiometric Luminescence Temperature Sensing. <i>Inorganic Chemistry</i> , 2019, 58, 2637-2644.	1.9	111
532	3D Porous Heterometallic Coordination Polymer for the Detection of Nitroaromatic Explosives and Inhibiting Human Cancer Cells Growth. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 87-91.	0.6	5
533	A Novel Zinc Luminescent Coordination Polymer Based on a Tetracarboxylate Acid Ligand for the Detection of Nitrobenzene. <i>Crystal Research and Technology</i> , 2019, 54, 1800155.	0.6	9
534	Water Contaminant Elimination Based on Metal-Organic Frameworks and Perspective on Their Industrial Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4548-4563.	3.2	165
535	Bifunctional photo- and vapo-chromic behaviors of a novel porous zwitterionic metal-organic framework. <i>New Journal of Chemistry</i> , 2019, 43, 3428-3431.	1.4	18
536	Solvent-induced terbium metal-organic frameworks for highly selective detection of manganese(II) ions. <i>Dalton Transactions</i> , 2019, 48, 2569-2573.	1.6	25
537	Anion-directed structures and luminescences of two Cu(I) coordination polymers based on bipyrazole. <i>Inorganic Chemistry Communication</i> , 2019, 101, 121-124.	1.8	6
538	Coordinated imidazolyl group site-directed assembly of Cd(II) coordination polymers based on tri-imidazolyl ligands. <i>Journal of Solid State Chemistry</i> , 2019, 271, 222-229.	1.4	1
539	Co(II)-based Metal-Organic Frameworks and Their Application in Gas Sorption and Solvatochromism. <i>Crystal Growth and Design</i> , 2019, 19, 1640-1648.	1.4	25
540	Porous flower-like superstructures based on self-assembled colloidal quantum dots for sensing. <i>Scientific Reports</i> , 2019, 9, 617.	1.6	2

#	ARTICLE	IF	CITATIONS
541	Building Block and Directional Bonding Approaches for the Synthesis of {DyMn ₄ } _n (<i>n</i> = 2, 3) Metallacrown Assemblies. <i>Crystal Growth and Design</i> , 2019, 19, 1896-1902.	1.4	23
542	Polyoxometalate-based metal-organic framework NENU-5 hybrid materials for photoluminescence tuning by introducing lanthanide ions and their functionalized soft ionogel/thin film. <i>CrystEngComm</i> , 2019, 21, 1186-1192.	1.3	17
543	Synthesis, structure and selective luminescence sensing for iron(III) ions of a three-dimensional zinc(II) (4,6)-connected coordination network. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 141-149.	0.2	12
544	Tunable Light Emission and Multiresponsive Luminescent Sensitivities in Aqueous Solutions of Two Series of Lanthanide Metal-Organic Frameworks Based on Structurally Related Ligands. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7914-7926.	4.0	198
545	Quenching of photoluminescence in a Zn-MOF sensor by nitroaromatic molecules. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2625-2632.	2.7	54
546	A multifunctional anionic 3D Cd(II)-MOF derived from 2D layers catenation: Organic dyes adsorption, cycloaddition of CO ₂ with epoxides and luminescence. <i>Inorganic Chemistry Communication</i> , 2019, 101, 184-187.	1.8	18
547	Metal-organic framework-based fluorescent sensing of tetracycline-type antibiotics applicable to environmental and food analysis. <i>Analyst</i> , 2019, 144, 1916-1922.	1.7	102
548	Selective CO ₂ adsorption and theoretical simulation of a stable Co(ⁱⁱ)-based metal-organic framework with tunable crystal size. <i>CrystEngComm</i> , 2019, 21, 1564-1569.	1.3	3
549	A water-stable Eu ^{III} -based MOF as a dual-emission luminescent sensor for discriminative detection of nitroaromatic pollutants. <i>Dalton Transactions</i> , 2019, 48, 1843-1849.	1.6	95
550	MOFs containing a linear bis-pyridyl-tris-amide and angular carboxylates: exploration of proton conductivity, water vapor and dye sorptions. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 184-191.	3.0	41
551	NIR luminescence for the detection of metal ions and nitro explosives based on a grape-like nine-nuclear Nd(ⁱⁱⁱ) nanocluster. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 550-555.	3.0	20
552	Efficient catalytic conversion of terminal/internal epoxides to cyclic carbonates by porous Co(ⁱⁱ) MOF under ambient conditions: structure-property correlation and computational studies. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2884-2894.	5.2	96
553	Stimuli-responsive multifunctional metal-organic framework nanoparticles for enhanced chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2019, 7, 994-1004.	2.9	83
554	Metal-organic frameworks based fluorescent sensor array for discrimination of flavonoids. <i>Talanta</i> , 2019, 203, 248-254.	2.9	24
555	A water-stable luminescent Zn(II) coordination polymer based on 5-sulfosalicylic acid and 1,4-bis(1H-imidazol-1-yl)benzene for highly sensitive and selective sensing of Fe ³⁺ ion. <i>Inorganica Chimica Acta</i> , 2019, 493, 72-80.	1.2	14
556	A recyclable post-synthetically modified Al(ⁱⁱⁱ) based metal-organic framework for fast and selective fluorogenic recognition of bilirubin in human biofluids. <i>Dalton Transactions</i> , 2019, 48, 9266-9275.	1.6	38
557	Crystallization of high aspect ratio HKUST-1 thin films in nanoconfined channels for selective small molecule uptake. <i>Nanoscale Advances</i> , 2019, 1, 2946-2952.	2.2	15
558	An adjustable dual-emission fluorescent metal-organic framework: Effective detection of multiple metal ions, nitro-based molecules and DMA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117283.	2.0	27

#	ARTICLE	IF	CITATIONS
559	Spectroelectrochemical studies of the redox active tris[4-(triazol-1-yl)phenyl]amine linker and redox state manipulation of Mn(scp)/Cu(scp) coordination frameworks. Dalton Transactions, 2019, 48, 10122-10128.	1.6	9
560	Construction of (3,8)-connected three-dimensional cobalt(II) and copper(II) coordination polymers with 1,3-bis[(1,2,4-triazol-4-yl)methyl]benzene and benzene-1,3,5-tricarboxylate ligands. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 960-968.	0.2	2
561	Photocatalytic and Ferric Ion Sensing Properties of a New Three-Dimensional Metal-Organic Framework Based on Cuboctahedral Secondary Building Units. ACS Omega, 2019, 4, 10775-10783.	1.6	78
562	Suspending Ion Electrocatalysts in Charged Metal-Organic Frameworks to Improve the Conductivity and Selectivity in Electroorganic Synthesis. Chemistry - an Asian Journal, 2019, 14, 3627-3634.	1.7	9
563	Cluster-based CaII, MgII and CdII coordination polymers based on amino-functionalized tri-phenyl tetra-carboxylate: Bi-functional photo-luminescent sensing for Fe ³⁺ and antibiotics. Dyes and Pigments, 2019, 170, 107631.	2.0	28
564	A Polyhedron-Based Heterometallic MOF Constructed by HSAB Theory and SBB Strategy: Synthesis, Structure, and Adsorption Properties. Crystal Growth and Design, 2019, 19, 4571-4578.	1.4	26
565	A Robust Tb ^{III} -MOF for Ultrasensitive Detection of Trinitrophenol: Matched Channel Dimensions and Strong Host-Guest Interactions. Inorganic Chemistry, 2019, 58, 8198-8207.	1.9	58
566	Highly sensitive and selective detect of <i>p</i> -arsanilic acid with a new water-stable europium metal-organic framework. Applied Organometallic Chemistry, 2019, 33, e5021.	1.7	19
567	Highly luminescent sensing for nitrofurans and tetracyclines in water based on zeolitic imidazolate framework-8 incorporated with dyes. Talanta, 2019, 204, 344-352.	2.9	71
568	A Bifunctional Luminescent Metal-Organic Framework for the Sensing of Paraquat and Fe ³⁺ Ions in Water. Chemistry - an Asian Journal, 2019, 14, 3611-3619.	1.7	58
569	A Ni ₃ (OH)(COO) ₆ \cdot n based MOF from C ₃ symmetric ligands: Structure and heterogeneous catalytic activities in one-pot synthesis of imine. Microporous and Mesoporous Materials, 2019, 287, 152-158.	2.2	10
570	Strategies for Overcoming Defects of HKUST-1 and Its Relevant Applications. Advanced Materials Interfaces, 2019, 6, 1900423.	1.9	22
571	Novel solvent-triggered transformation of Cu-based metal-organic gels to highly monodisperse metal-organic frameworks with controllable shapes. Chemical Engineering Journal, 2019, 374, 1231-1240.	6.6	24
572	Post-synthetic modification of a Tb-based metal-organic framework for highly selective and sensitive detection of metal ions in aqueous solution. New Journal of Chemistry, 2019, 43, 10232-10236.	1.4	13
573	The surface chemistry of metal-organic frameworks and their applications. Dalton Transactions, 2019, 48, 9037-9042.	1.6	58
574	Light-Responsive Metal-Organic Framework as an Oxidase Mimic for Cellular Glutathione Detection. Analytical Chemistry, 2019, 91, 8170-8175.	3.2	171
575	Rational Construction of Breathing Metal-Organic Frameworks through Synergy of a Stretchy Ligand and Highly Variable π - π Interaction. ACS Applied Materials & Interfaces, 2019, 11, 20995-21003.	4.0	13
576	A novel multi-purpose Zn-MOF fluorescent sensor for 2,4-dinitrophenylhydrazine, picric acid, La ³⁺ and Ca ²⁺ : Synthesis, structure, selectivity, sensitivity and recyclability. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 222, 117207.	2.0	22

#	ARTICLE	IF	CITATIONS
577	Sensitive detection of glyphosate based on a Cu-BTC MOF/g-C ₃ N ₄ nanosheet photoelectrochemical sensor. <i>Electrochimica Acta</i> , 2019, 317, 341-347.	2.6	93
578	Incorporating Three Chiral Channels into an In-MOF for Excellent Gas Absorption and Preliminary Cu ²⁺ Ion Detection. <i>Crystal Growth and Design</i> , 2019, 19, 3860-3868.	1.4	26
579	Photofunctional MOF-based hybrid materials for the chemical sensing of biomarkers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8155-8175.	2.7	104
580	Aqueous Phase Sensing of Fe ³⁺ and Ascorbic Acid by a Metal-Organic Framework and Its Implication in the Construction of Multiple Logic Gates. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2822-2830.	1.7	44
581	Water-Stable Coordination Polymers as Dual Fluorescent Sensors for Highly Oxidizing Anions Cr ₂ O ₇ ²⁻ and MnO ₄ ⁻ . <i>Chemistry - an Asian Journal</i> , 2019, 14, 3620-3626.	1.7	42
582	Synergistically Directed Assembly of Aromatic Stacks Based Metal-Organic Frameworks by Donor-Acceptor and Coordination Interactions. <i>Chinese Journal of Chemistry</i> , 2019, 37, 871-877.	2.6	28
583	Structural variation of transition metal-organic frameworks using deep eutectic solvents with different hydrogen bond donors. <i>Dalton Transactions</i> , 2019, 48, 10199-10209.	1.6	57
584	Self-Assembly of Hexanuclear Lanthanide Carboxylate Clusters of Three Architectures. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3103-3111.	1.0	21
585	N-donor linker based metal-organic frameworks (MOFs): Advancement and prospects as functional materials. <i>Coordination Chemistry Reviews</i> , 2019, 395, 146-192.	9.5	98
586	A novel luminescent cadmium(II) MOFs exhibiting a sensitive and selective detection of trace amounts of nitroaromatics with excellent recyclability. <i>Inorganica Chimica Acta</i> , 2019, 494, 266-270.	1.2	12
587	Assembly of porous lanthanide metal-organic frameworks constructed by chalcone dicarboxylic acid and exploration of their properties. <i>Polyhedron</i> , 2019, 169, 24-31.	1.0	19
588	Fluorescent Zr(IV) Metal-Organic Frameworks Based on an Excited-State Intramolecular Proton Transfer-Type Ligand. <i>Inorganic Chemistry</i> , 2019, 58, 6918-6926.	1.9	13
589	<i>Quo vadis niobium?</i> Divergent coordination behavior of early-transition metals towards MOF-5. <i>Chemical Science</i> , 2019, 10, 5906-5910.	3.7	15
590	Hydrophobic metal-organic frameworks: Potential toward emerging applications. <i>APL Materials</i> , 2019, 7, 050701.	2.2	40
591	Multi-component luminescence responsive Eu ³⁺ /Tb ³⁺ hybrids based with metal-organic frameworks and zeolites A. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 220, 117107.	2.0	8
592	Enhanced photocatalytic performance of a Ti-based metal-organic framework for hydrogen production: Hybridization with ZnCr-LDH nanosheets. <i>Scientific Reports</i> , 2019, 9, 7584.	1.6	39
593	Insights into the Fluorescence Sensing Mechanism of Scandium-Based Metal-Organic Frameworks by Solid-State NMR Spectroscopy. <i>ChemistrySelect</i> , 2019, 4, 5291-5299.	0.7	8
594	Dicarboxylate-Induced Structural Diversity of Luminescent Zn(II)/Cd(II) Metal-Organic Frameworks Based on the 2,5-Bis(4-pyridyl)thiazolo[5,4-d]thiazole Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2725-2734.	1.0	17

#	ARTICLE	IF	CITATIONS
595	Advances in DNA/RNA detection using nanotechnology. <i>Advances in Clinical Chemistry</i> , 2019, 91, 31-98.	1.8	16
596	Deciphering the Relations between Pore Structure and Adsorption Behavior in Metal-Organic Frameworks: Unexpected Lessons from Argon Adsorption on Copper-Benzene-1,3,5-tricarboxylate. <i>Journal of the American Chemical Society</i> , 2019, 141, 8397-8401.	6.6	30
597	Highly Proton-Conductive Zinc Metal-Organic Framework Based On Nickel(II) Porphyrinylphosphonate. <i>Chemistry - A European Journal</i> , 2019, 25, 10552-10556.	1.7	28
598	Thermo-sensitive luminescence of lanthanide complexes, clusters, coordination polymers and metal-organic frameworks with organic photosensitizers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7494-7511.	2.7	156
599	Solid-Solution Mixed-Linker Synthesis of Isorecticular Al-Based MOFs for an Easy Hydrophilicity Tuning in Water-Sorption Heat Transformations. <i>Chemistry of Materials</i> , 2019, 31, 4051-4062.	3.2	47
600	Facile one-step solvothermal synthesis of a luminescent europium metal-organic framework for rapid and selective sensing of uranyl ions. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4213-4220.	1.9	30
601	1-D multifunctional Ln-CPs: Luminescence probes for Fe ³⁺ and Cr(VI) and uncommon discriminative detection between Cr ₂ O ₇ ²⁻ and CrO ₄ ²⁻ of Tb-CP in various media. <i>Journal of Luminescence</i> , 2019, 213, 140-150.	1.5	28
602	A New Pathway to 2-Arylbenzoxazoles and 2-Arylbenzothiazoles Via One-Pot Oxidative Cyclization Reactions Under Iron-Organic Framework Catalysis. <i>Catalysis Letters</i> , 2019, 149, 2053-2063.	1.4	7
603	A dual-functional 3D coordination polymer as a luminescent sensor for acetone in an aqueous medium and detecting the temperature. <i>Inorganic Chemistry Communication</i> , 2019, 105, 13-19.	1.8	25
604	Kinetic Control of Interpenetration in Fe-Biphenyl-4,4'-dicarboxylate Metal-Organic Frameworks by Coordination and Oxidation Modulation. <i>Journal of the American Chemical Society</i> , 2019, 141, 8346-8357.	6.6	58
605	Structural Engineering of Low-Dimensional Metal-Organic Frameworks: Synthesis, Properties, and Applications. <i>Advanced Science</i> , 2019, 6, 1802373.	5.6	214
606	Highly selective detection of Fe ³⁺ , Cd ²⁺ and CH ₂ Cl ₂ based on a fluorescent Zn-MOF with azine-decorated pores. <i>Journal of Solid State Chemistry</i> , 2019, 275, 131-140.	1.4	71
607	Application of surface molecular imprinted magnetic graphene oxide and high performance mimetic behavior of bi-metal ZnCo MOF for determination of atropine in human serum. <i>Talanta</i> , 2019, 201, 286-294.	2.9	57
608	Three Co(II) Metal-Organic Frameworks with Diverse Architectures for Selective Gas Sorption and Magnetic Studies. <i>Inorganic Chemistry</i> , 2019, 58, 6246-6256.	1.9	34
609	Enhancement of Intrinsic Proton Conductivity and Aniline Sensitivity by Introducing Dye Molecules into the MOF Channel. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16490-16495.	4.0	65
610	Coordination preference of 1,2-bis((1H-imidazole-1-yl)methyl)benzene and different carboxylate ligands with transition metal ions directed by weak interactions. <i>Journal of Solid State Chemistry</i> , 2019, 275, 124-130.	1.4	4
611	{Zn ₆ } Cluster Based Metal-Organic Framework with Enhanced Room-Temperature Phosphorescence and Optoelectronic Performances. <i>Inorganic Chemistry</i> , 2019, 58, 6215-6221.	1.9	231
612	Cobalt(II) Coordination Polymers Assembled from Unexplored Pyridine-Carboxylic Acids: Structural Diversity and Catalytic Oxidation of Alcohols. <i>Inorganic Chemistry</i> , 2019, 58, 5875-5885.	1.9	120

#	ARTICLE	IF	CITATIONS
613	Two novel metal-organic frameworks based on pyridyl-imidazole-carboxyl multifunctional ligand: selective CO ₂ capture and multiresponsive luminescence sensor. Dalton Transactions, 2019, 48, 10892-10900.	1.6	70
614	Alkaline-earth and aminonicotinate based coordination polymers with combined fluorescence/long-lasting phosphorescence and metal ion sensing response. Journal of Materials Chemistry C, 2019, 7, 6997-7012.	2.7	21
615	Multivariable Sieving and Hierarchical Recognition for Organic Toxics in Nonhomogeneous Channel of MOFs. Chem, 2019, 5, 1337-1350.	5.8	59
616	Salting-in species induced self-assembly of stable MOFs. Chemical Science, 2019, 10, 5743-5748.	3.7	36
617	Structural tuning of zinc-porphyrin frameworks via auxiliary nitrogen-containing ligands towards selective adsorption of cationic dyes. Chemical Communications, 2019, 55, 6527-6530.	2.2	23
618	Two copper-based MOFs constructed from a linear diisophthalate linker: supramolecular isomerism and gas adsorption properties. CrystEngComm, 2019, 21, 3192-3198.	1.3	11
619	Two metal-carboxylate-azide coordination networks derived from 1,4-bis(3-carboxylatopyridinium-1-methylene)benzene: Synthesis, structure and properties. Journal of Solid State Chemistry, 2019, 275, 88-94.	1.4	4
620	Switching the Zinc Diphosphonates from 1D Chain to 2D Layer and 3D Framework by the Modulation of a Flexible Organic Amine. Crystal Growth and Design, 2019, 19, 2919-2926.	1.4	15
621	A thermo-responsive adsorbent-heater-thermometer nanomaterial for controlled drug release: (ZIF-8,EuxTby)@AuNP core-shell. Materials Science and Engineering C, 2019, 102, 578-588.	3.8	36
622	Strategies for Improving the Performance and Application of MOFs Photocatalysts. ChemCatChem, 2019, 11, 2978-2993.	1.8	46
623	A highly catalytically active Hf(IV) metal-organic framework for Knoevenagel condensation. Microporous and Mesoporous Materials, 2019, 284, 459-467.	2.2	47
624	Recent advances in the synthesis of spherical and nanoMOF-derived multifunctional porous carbon for nanomedicine applications. Coordination Chemistry Reviews, 2019, 391, 69-89.	9.5	58
625	Advanced Porous Materials for Sensing, Capture and Detoxification of Organic Pollutants toward Water Remediation. ACS Sustainable Chemistry and Engineering, 2019, 7, 7456-7478.	3.2	189
626	Understanding Quantitative Relationship between Methane Storage Capacities and Characteristic Properties of Metal-Organic Frameworks Based on Machine Learning. Journal of Physical Chemistry C, 2019, 123, 8550-8559.	1.5	49
627	An indium-organic framework for the efficient storage of light hydrocarbons and selective removal of organic dyes. Dalton Transactions, 2019, 48, 5527-5533.	1.6	34
628	Rapid in situ microwave synthesis of Fe ₃ O ₄ @MIL-100(Fe) for aqueous diclofenac sodium removal through integrated adsorption and photodegradation. Journal of Hazardous Materials, 2019, 373, 408-416.	6.5	148
629	Fluorescent pH nanosensors: Design strategies and applications. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2019, 39, 76-141.	5.6	85
630	Thermodynamically Controlled Linker Installation in Flexible Zirconium Metal-Organic Frameworks. Crystal Growth and Design, 2019, 19, 2069-2073.	1.4	13

#	ARTICLE	IF	CITATIONS
631	Metal-Organic Frameworks for Nanoarchitectures: Nanoparticle, Composite, Core-Shell, Hierarchical, and Hollow Structures. , 2019, , 151-194.		1
632	Supramolecular strategy for smart windows. <i>Chemical Communications</i> , 2019, 55, 4137-4149.	2.2	85
633	Composite multilayer films based on polyelectrolytes and in situ α -formed carbon nanostructures with enhanced photoluminescence and conductivity properties. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47718.	1.3	9
634	Label-free electrochemical immunosensor based on AuNPs/Zn/Ni-ZIF-8-800@graphene composites for sensitive detection of monensin in milk. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 571-578.	4.0	50
635	A Flexible and Stable Interpenetrated Indium Pyridylcarboxylate Framework with Breathing Behaviors and Highly Selective Adsorption of Cationic Dyes. <i>Inorganic Chemistry</i> , 2019, 58, 4019-4025.	1.9	22
636	Bio-related applications of porous organic frameworks (POFs). <i>Journal of Materials Chemistry B</i> , 2019, 7, 2398-2420.	2.9	34
637	A multifunctional Zn(II)-based four-fold interpenetrated metal-organic framework for highly sensitive sensing 2,4,6-trinitrophenol (TNP), nitrofurazone (NFZ) and nitrofurantoin (NFT). <i>Inorganic Chemistry Communication</i> , 2019, 103, 21-24.	1.8	15
638	Ultrasonic-Assisted Synthesis of a Zn(II) Coordination Polymer in Aqueous Media and Its High-Performance Luminescent Sensing for 2,4,6-Trinitrophenol. <i>Crystal Growth and Design</i> , 2019, 19, 2139-2148.	1.4	26
639	A Pillar-Layered Zn-LMOF with Uncoordinated Carboxylic Acid Sites: High Performance for Luminescence Sensing Fe^{3+} and TNP. <i>Inorganic Chemistry</i> , 2019, 58, 4026-4032.	1.9	105
640	Two alkynyl functionalized Co(II)-MOFs as fluorescent sensors exhibiting selectivity and sensitivity for Fe^{3+} and nitroaromatic compounds. <i>Chinese Chemical Letters</i> , 2019, 30, 1440-1444.	4.8	19
641	Highly selective and rapid detection of pentachlorophenol in aqueous solution with metalloporphyrinic MOFs. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 36-42.	2.2	18
642	Tetracycline Generated Red Luminescence Based on a Novel Lanthanide Functionalized Layered Double Hydroxide Nanoplatform. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3871-3878.	2.4	25
643	Mechanistic insight into the sensing of nitroaromatic compounds by metal-organic frameworks. <i>Communications Chemistry</i> , 2019, 2, .	2.0	82
644	Hybrid MOF-808-Tb nanospheres for highly sensitive and selective detection of acetone vapor and Fe^{3+} in aqueous solution. <i>Chemical Communications</i> , 2019, 55, 4727-4730.	2.2	61
645	Two Cu_xI_y -based copper-organic frameworks with multiple secondary building units (SBUs): structure, gas adsorption and impressive ability of I_2 sorption and release. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1261-1266.	3.0	18
646	Structural Control of Metal-Organic Framework Bearing N-Heterocyclic Imidazolium Cation and Generation of Highly Stable Porous Structure. <i>Inorganic Chemistry</i> , 2019, 58, 6619-6627.	1.9	13
647	Pyrene-based MOFs as fluorescent sensors for PAHs: an energetic pathway of the backbone structure effect on response. <i>Dalton Transactions</i> , 2019, 48, 5705-5712.	1.6	20
648	Get the light out: nanoscaling MOFs for luminescence sensing and optical applications. <i>Chemical Communications</i> , 2019, 55, 4647-4650.	2.2	38

#	ARTICLE	IF	CITATIONS
649	Colorimetric analysis: A new strategy to improve ratiometric temperature sensing performance of lanthanide benzenedicarboxylates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 377, 167-172.	2.0	2
650	Lanthanide Organic Framework as a Reversible Luminescent Sensor for Sulfamethazine Antibiotics. <i>Inorganic Chemistry</i> , 2019, 58, 4223-4229.	1.9	89
651	Crystals of Sb ³⁺ -coordination complexes exhibiting yellowish green emissions with outstanding lifetimes. <i>Journal of Solid State Chemistry</i> , 2019, 274, 69-74.	1.4	7
652	Luminescent Lanthanide Metal Organic Frameworks as Chemosensing Platforms towards Agrochemicals and Cations. <i>Sensors</i> , 2019, 19, 1260.	2.1	22
653	A novel photochromic metal-organic framework with good anion and amine sensing. <i>Dalton Transactions</i> , 2019, 48, 6558-6563.	1.6	57
654	Near-infrared-emissive metal-organic frameworks. <i>Dalton Transactions</i> , 2019, 48, 6669-6675.	1.6	24
655	Nanoscaled luminescent terbium metal-organic frameworks for measuring and scavenging reactive oxygen species in living cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3027-3033.	2.9	23
656	Metal-organic framework (MOF-5) coated SERS active gold gratings: A platform for the selective detection of organic contaminants in soil. <i>Analytica Chimica Acta</i> , 2019, 1068, 70-79.	2.6	77
657	Solvo-thermal synthesis of an ultra-stable 3D luminescent zinc(II) coordination material and its application as a bi-functional re-generable visual fluorescent probe for Nicotinamide and Tetraphenylboron anion. <i>Dyes and Pigments</i> , 2019, 167, 51-59.	2.0	3
658	Transformation of Metal-Organic Frameworks into Stable Organic Frameworks with Inherited Skeletons and Catalytic Properties. <i>Angewandte Chemie</i> , 2019, 131, 8203-8207.	1.6	31
659	Transformation of Metal-Organic Frameworks into Stable Organic Frameworks with Inherited Skeletons and Catalytic Properties. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8119-8123.	7.2	41
660	Amphipathic Porphyrin-Based Water-Resistant Cu-MOF for Efficient Oil/Water Separation. <i>Inorganic Chemistry</i> , 2019, 58, 5384-5387.	1.9	23
661	Coating a DNA self-assembled monolayer with a metal organic framework-based exoskeleton for improved sensing performance. <i>Analyst</i> , 2019, 144, 3539-3545.	1.7	6
662	Fe(III) porphyrin metal-organic framework as an artificial enzyme mimics and its application in biosensing of glucose and H ₂ O ₂ . <i>Journal of Porous Materials</i> , 2019, 26, 1507-1521.	1.3	41
663	Unambiguous Discrimination and Detection of Controlled Chemical Vapors by a Film-Based Fluorescent Sensor Array. <i>Advanced Materials Technologies</i> , 2019, 4, 1800644.	3.0	27
664	Multi-emissive room temperature phosphorescence of a two-dimensional metal-organic framework. <i>Inorganic Chemistry Communication</i> , 2019, 104, 119-123.	1.8	6
665	pH-Modulated luminescence switching in a Eu-MOF: rapid detection of acidic amino acids. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11127-11133.	5.2	108
666	Light Management with Patterned Micro- and Nanostructure Arrays for Photocatalysis, Photovoltaics, and Optoelectronic and Optical Devices. <i>Advanced Functional Materials</i> , 2019, 29, 1807275.	7.8	115

#	ARTICLE	IF	CITATIONS
667	Dynamic coordination of natural amino acids-lanthanides to control reversible luminescent switching of hybrid hydrogels and anti-counterfeiting. <i>Dyes and Pigments</i> , 2019, 166, 375-380.	2.0	28
668	A manganese-based metal-organic framework electrochemical sensor for highly sensitive cadmium ions detection. <i>Journal of Solid State Chemistry</i> , 2019, 275, 38-42.	1.4	38
669	Novel Synthesis of Cu-Schiff Base Complex@Metal-Organic Framework MIL-101 via a Mild Method: A Comparative Study for Rapid Catalytic Effects. <i>ChemistryOpen</i> , 2019, 8, 333-338.	0.9	8
670	Three water soluble coordination polymers: Synthesis, crystal structure and luminescent sensing for Cr(VI) and MnO ₄ ²⁻ ions in the aqueous phase. <i>Polyhedron</i> , 2019, 166, 60-64.	1.0	13
671	Selective, sensitive, and recyclable sensing of ascorbic acid in water based on a water-stable Zn (II) coordination polymer. <i>Inorganic Chemistry Communication</i> , 2019, 104, 129-133.	1.8	9
672	Hollow Functional Materials Derived from Metal-Organic Frameworks: Synthetic Strategies, Conversion Mechanisms, and Electrochemical Applications. <i>Advanced Materials</i> , 2019, 31, e1804903.	11.1	370
673	Optical properties of Sm ³⁺ and Tb ³⁺ co-doped CaMoO ₄ phosphor for temperature sensing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 537-543.	2.0	33
674	Facile Fabrication of a Multifunctional Metal-Organic Framework-based Sensor Exhibiting Exclusive Solvchromic Behaviors toward Ketone Molecules. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8227-8233.	4.0	22
675	Assembly of metal-organic frameworks based on 4-connected 3,3',5,5'-azobenzene tetracarboxylic acid: structures, magnetic properties, and sensing of Fe ³⁺ ions. <i>New Journal of Chemistry</i> , 2019, 43, 4226-4234.	1.4	8
676	Structural tuning of coordination polymers by 4-connecting metal node and secondary building process. <i>Chinese Chemical Letters</i> , 2019, 30, 1297-1301.	4.8	1
677	A series of two-dimensional lanthanide coordination polymers: synthesis, structures, magnetism and selective luminescence detection for heavy metal ions and toxic solvents. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 221-230.	0.2	5
678	Morphology transformation and self-selective etching of ZnO nanostructures under centralized polarization field. <i>Functional Materials Letters</i> , 2019, 12, 1850096.	0.7	1
679	Copper-Based SURMOFs for Nitric Oxide Generation: Hemocompatibility, Vascular Cell Growth, and Tissue Response. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 7872-7883.	4.0	42
680	Water-assisted proton conductivity of two highly stable imidazole multi-carboxylate-based MOFs. <i>New Journal of Chemistry</i> , 2019, 43, 4859-4866.	1.4	28
681	Amino functionalized Zn/Cd-metal-organic frameworks for selective CO ₂ adsorption and Knoevenagel condensation reactions. <i>Dalton Transactions</i> , 2019, 48, 4007-4014.	1.6	47
682	Cadmium-Based Coordination Polymers from 1D to 3D: Synthesis, Structures, and Photoluminescent and Electrochemiluminescent Properties. <i>ChemPlusChem</i> , 2019, 84, 190-202.	1.3	28
683	Progress and challenges of graphene oxide/metal-organic composites. <i>Coordination Chemistry Reviews</i> , 2019, 387, 262-272.	9.5	99
684	Luminescent Metal-Organic Framework for Lithium Harvesting Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6561-6568.	3.2	21

#	ARTICLE	IF	CITATIONS
685	Two triphenylamine-based luminescent metal-organic frameworks as a dual-functional sensor for the detection of nitroaromatic compounds and ofloxacin antibiotic. <i>CrystEngComm</i> , 2019, 21, 2559-2570.	1.3	53
686	A stable mixed lanthanide metal-organic framework for highly sensitive thermometry. <i>Dalton Transactions</i> , 2019, 48, 3723-3729.	1.6	59
687	Electrocatalysis of Cu ^{II} /MOF/Graphene Composite and its Sensing Application for Electrochemical Simultaneous Determination of Dopamine and Paracetamol. <i>Electroanalysis</i> , 2019, 31, 1002-1008.	1.5	72
688	Dual-Emitting EY@Zr-MOF Composite as Self-Calibrating Luminescent Sensor for Selective Detection of Inorganic Ions and Nitroaromatics. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6196-6203.	3.2	96
689	A Highly Red-Emissive Lead-Free Indium-Based Perovskite Single Crystal for Sensitive Water Detection. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5277-5281.	7.2	310
690	Recent advances in the rational synthesis and sensing applications of metal-organic framework biocomposites. <i>Coordination Chemistry Reviews</i> , 2019, 387, 60-78.	9.5	172
691	Functional microscale single-phase white emission lanthanide MOF for tunable fluorescent sensing and water quality monitoring. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3598-3606.	2.7	47
692	A Highly Red-Emissive Lead-Free Indium-Based Perovskite Single Crystal for Sensitive Water Detection. <i>Angewandte Chemie</i> , 2019, 131, 5331-5335.	1.6	57
693	One-pot doping platinum porphyrin recognition centers in Zr-based MOFs for ratiometric luminescent monitoring of nitric oxide in living cells. <i>Talanta</i> , 2019, 200, 472-479.	2.9	27
694	Leveraging Fluorescent Emission to Unitary Yield: Dimerization of Polycyclic Aromatic Hydrocarbons. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900004.	1.0	3
695	Integration of Metal Nanoparticles into Metal-Organic Frameworks for Composite Catalysts: Design and Synthetic Strategy. <i>Small</i> , 2019, 15, e1804849.	5.2	67
696	Syntheses, structures and properties of structural diversity of 3D coordination polymers based on bis(imidazole) and dicarboxylate. <i>Polyhedron</i> , 2019, 162, 303-310.	1.0	14
697	A Photoluminescent Cd(II) Coordination Polymer with Highly Selective Detection for Nitrophenol. <i>Russian Journal of Inorganic Chemistry</i> , 2019, 64, 1769-1774.	0.3	1
698	Hydrothermal synthesis and crystal structure of $[Cd_2(2,2',6,6'-tetrahydro-1,4-bis(1H-benzimidazol-1-yl)butane)_2] \cdot 2H_2O$. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2019, 234, 983-986.	0.1	0
699	Two mixed-ligand Cd(II)-organic frameworks with unique topologies: selective luminescence sensing of TNP and Cu ²⁺ ions with recyclable performances. <i>New Journal of Chemistry</i> , 2019, 43, 16078-16088.	1.4	20
700	A novel 3D Cd-based luminescent coordination polymer for selective sensing of 4-NP and NZF. <i>New Journal of Chemistry</i> , 2019, 43, 16853-16859.	1.4	20
701	Self-assembly and photo-responsive behavior of bis-terpyridyl Eu ³⁺ -complex L1. <i>New Journal of Chemistry</i> , 2019, 43, 19355-19364.	1.4	3
702	Green-light-induced melting of self-assembled azobenzene nano/microstructures. <i>New Journal of Chemistry</i> , 2019, 43, 19014-19019.	1.4	8

#	ARTICLE	IF	CITATIONS
703	Improving LMOF luminescence quantum yield through guest-mediated rigidification. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14739-14744.	2.7	17
704	Large Ln ₄₂ coordination nanorings: NIR luminescence sensing of metal ions and nitro explosives. <i>Chemical Communications</i> , 2019, 55, 13116-13119.	2.2	44
705	A new type of composite MOFs based on high-valent Sb(^v)-based units and cuprous-halide clusters. <i>Chemical Communications</i> , 2019, 55, 15113-15116.	2.2	9
706	A pyrazine core-based luminescent Zr(IV) organic framework for specific sensing of Fe ³⁺ , picric acid and Cr ₂ O ₇ ²⁻ . <i>CrystEngComm</i> , 2019, 21, 6252-6260.	1.3	26
707	Structure and electronic properties of rare earth DOBDC metal-organic-frameworks. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23085-23093.	1.3	24
708	A smart nanoprobe based on a gadolinium complex encapsulated by ZIF-8 with enhanced room temperature phosphorescence for synchronous oxygen sensing and photodynamic therapy. <i>Dalton Transactions</i> , 2019, 48, 16952-16960.	1.6	16
709	Eu-based coordination polymer microrods for low-loss optical waveguiding application. <i>Nanoscale</i> , 2019, 11, 21061-21067.	2.8	5
710	Coordination polymer-based conductive materials: ionic conductivity <i>vs.</i> electronic conductivity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24059-24091.	5.2	90
711	Self-assembly of luminescent 42-metal lanthanide nanowheels with sensing properties towards metal ions and nitro explosives. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13425-13431.	2.7	23
713	A stable pillared metal-organic framework constructed by H ₄ TCPP ligand as luminescent sensor for selective detection of TNP and Fe ³⁺ ions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5243.	1.7	15
714	Fluorescence Turn-On Response Amplified by Space Confinement in Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47112-47120.	4.0	26
715	Sensitive and selective fluorometric determination of DNA by using layered hexagonal nanosheets of a covalent organic framework prepared from p-phenylenediamine and benzene-1,3,5-tricarboxaldehyde. <i>Mikrochimica Acta</i> , 2019, 186, 833.	2.5	21
716	Dye-Modified Metal-Organic Framework as a Recyclable Luminescent Sensor for Nicotine Determination in Urine Solution and Living Cell. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47253-47258.	4.0	45
717	A Luminescent Lanthanide-Functionalized Metal-Organic Framework as a Highly Selective and Sensitive Chemical Sensor for Dopamine. <i>ChemistrySelect</i> , 2019, 4, 12573-12579.	0.7	7
718	A Thiophene-2-carboxamide-Functionalized Zr(IV) Organic Framework as a Prolific and Recyclable Heterogeneous Catalyst for Regioselective Ring Opening of Epoxides. <i>Inorganic Chemistry</i> , 2019, 58, 16581-16591.	1.9	16
719	Giant and Multistage Nonlinear Optical Response in Porphyrin-Based Surface-Supported Metal-Organic Framework Nanofilms. <i>Nano Letters</i> , 2019, 19, 9095-9101.	4.5	61
720	Impact of Pressure and Temperature on the Broadband Dielectric Response of the HKUST-1 Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29427-29435.	1.5	14
721	A novel (3,6)-connected Cd ^{II} coordination polymer based on an ether-linked tricarboxylate ligand: synthesis, topology and luminescence sensing properties in aqueous solution. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1666-1674.	0.2	0

#	ARTICLE	IF	CITATIONS
722	Modern Approaches to the Tuning of the Lanthanide(3+) Coordination Compound Luminescent Characteristics: A Review. <i>Theoretical and Experimental Chemistry</i> , 2019, 55, 293-315.	0.2	12
723	Thiazole- and Thiadiazole-Based Metal-Organic Frameworks and Coordination Polymers for Luminescent Applications. <i>Inorganics</i> , 2019, 7, 144.	1.2	22
724	Band gap, sorption properties and fluorescence sensing behaviour of a novel 1D+2D catenane-like cobalt(II)-organic framework. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1593-1604.	0.2	3
725	A Highly Stable Luminescent Eu-MOF Exhibiting Efficient Response to Nitrofurantoin Antibiotics through the Inner Filter Effect and Photoinduced Electron Transfer. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 5077-5084.	1.0	38
726	A tri-functional metal-organic framework heterogeneous catalyst for efficient conversion of CO ₂ under mild and co-catalyst free conditions. <i>Chemical Communications</i> , 2019, 55, 14347-14350.	2.2	43
727	A water-stable zinc(II)-organic framework as a multiresponsive luminescent sensor for toxic heavy metal cations, oxyanions and organochlorine pesticides in aqueous solution. <i>Dalton Transactions</i> , 2019, 48, 16776-16785.	1.6	71
728	Near-white photoluminescence in paramagnetic Gd ₆ O ₅ F ₈ nanoparticles. <i>CrystEngComm</i> , 2019, 21, 6313-6318.	1.3	1
729	Insight into the structure and bonding of copper(I) iodide clusters and a cluster-based coordination polymer. <i>New Journal of Chemistry</i> , 2019, 43, 16176-16187.	1.4	4
730	Chemically modified electrodes with MOFs for the determination of inorganic and organic analytes via voltammetric techniques: a critical review. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3440-3455.	3.0	38
731	Two-dimensional Cd(II) coordination polymer encapsulated by Tb ³⁺ as a reversible luminescent probe for Fe ³⁺ . <i>RSC Advances</i> , 2019, 9, 34949-34957.	1.7	3
732	Recent advances in metallopolymer-based drug delivery systems. <i>RSC Advances</i> , 2019, 9, 37009-37051.	1.7	18
733	Temperature-induced structural diversity of metal-organic frameworks and their applications in selective sensing of nitrobenzene and electrocatalyzing the oxygen evolution reaction. <i>RSC Advances</i> , 2019, 9, 33890-33897.	1.7	15
734	Efficient detection of a biomarker for infant jaundice by a europium(III)-organic framework luminescence sensor. <i>RSC Advances</i> , 2019, 9, 37584-37593.	1.7	17
735	Three new coordination polymers based on bis(4-(4-hydroxy-1,2,4-triazol-4-yl)phenyl)methane: syntheses, structures, multiresponsive luminescent sensitive detection for antibiotics and pesticides, and antitumor activities. <i>RSC Advances</i> , 2019, 9, 42272-42283.	1.7	8
736	Improving MOF stability: approaches and applications. <i>Chemical Science</i> , 2019, 10, 10209-10230.	3.7	855
737	Nanoarchitectonic-Based Material Platforms for Environmental and Bioprocessing Applications. <i>Chemical Record</i> , 2019, 19, 1891-1912.	2.9	17
738	Syntheses, structures and magnetic properties of three cobalt(II) coordination polymers based on flexible itaconic acid ligands. <i>Transition Metal Chemistry</i> , 2019, 44, 89-97.	0.7	10
739	Five isomorphous lanthanide metal-organic frameworks constructed from 5-(3-carboxy-phenyl)-pyridine-2-carboxylic acid and oxalate: Synthesis, crystal structures and selective fluorescence sensing for aniline. <i>Journal of Solid State Chemistry</i> , 2019, 269, 43-50.	1.4	14

#	ARTICLE	IF	CITATIONS
740	A multi-responsive luminescent sensor based on flexible and ultrastable Zn-MOF@SWCNT hybrid nanocomposite film. <i>Polyhedron</i> , 2019, 160, 68-73.	1.0	5
741	Cobalt(II)-Based Metal-Organic Framework as Bifunctional Materials for Ag(I) Detection and Proton Reduction Catalysis for Hydrogen Production. <i>Inorganic Chemistry</i> , 2019, 58, 924-931.	1.9	33
742	A highly selective turn-on luminescent logic gates probe based on post-synthetic MOF for aspartic acid detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 91-95.	4.0	74
743	Two 2D Zinc(II) Coordination Polymers and Their Orange IV Composites: Preparation, Structures, and Photocurrent Responses. <i>Crystal Growth and Design</i> , 2019, 19, 211-218.	1.4	14
744	Syntheses, Gas Adsorption, and Sensing Properties of Solvent-Controlled Zn(II) Pseudo-Supramolecular Isomers and Pb(II) Supramolecular Isomers. <i>Crystal Growth and Design</i> , 2019, 19, 630-637.	1.4	52
745	Chemical Detection Using a Metal-Organic Framework Single Crystal Coupled to an Optical Fiber. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4393-4398.	4.0	42
746	3-D lanthanide coordination polymers with the flexible 1,3-phenylenediacetate linker: Spectroscopic, structural and thermal investigations. <i>Polyhedron</i> , 2019, 159, 93-101.	1.0	8
747	Metal-Organic Frameworks for Photocatalysis and Photothermal Catalysis. <i>Accounts of Chemical Research</i> , 2019, 52, 356-366.	7.6	880
748	Highly sensitive and recyclable sensing of Fe ³⁺ ions based on a luminescent anionic [Cd(DMIPA)] ₂ -framework with exposed thioether group in the snowflake-like channels. <i>Journal of Solid State Chemistry</i> , 2019, 270, 493-499.	1.4	31
749	Mixed-Ligand Metal-Organic Framework for Two-Photon Responsive Photocatalytic C-N and C-C Coupling Reactions. <i>ACS Catalysis</i> , 2019, 9, 422-430.	5.5	88
750	Carbon dot-decorated porous organic cage as fluorescent sensor for rapid discrimination of nitrophenol isomers and chiral alcohols. <i>Analytica Chimica Acta</i> , 2019, 1050, 146-153.	2.6	52
751	A Versatile Metalloporphyrinic Framework Platform for Highly Efficient Bioinspired, Photo- and Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 168-172.	7.2	25
752	A Versatile Metalloporphyrinic Framework Platform for Highly Efficient Bioinspired, Photo- and Asymmetric Catalysis. <i>Angewandte Chemie</i> , 2019, 131, 174-178.	1.6	4
753	Luminescent sensing and photocatalytic degradation in a new 3D Zn(II)-based highly luminescent metal-organic framework. <i>Journal of Molecular Structure</i> , 2019, 1179, 612-617.	1.8	24
754	Metal-organic frameworks: Structures and functional applications. <i>Materials Today</i> , 2019, 27, 43-68.	8.3	627
755	Luminescent MOF nanosheets for enzyme assisted detection of H ₂ O ₂ and glucose and activity assay of glucose oxidase. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 443-448.	4.0	59
756	Guest-Triggered Aggregation-Induced Emission in Silver Chalcogenolate Cluster Metal-Organic Frameworks. <i>Advanced Science</i> , 2019, 6, 1801304.	5.6	120
757	A hydrostable Cadmium-Organic Framework for Highly Selective and Sensitive Luminescence Sensing of Al ³⁺ Ion. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1829-1837.	1.9	6

#	ARTICLE	IF	CITATIONS
758	Green Synthesis of Self Assembled Nanospherical Dysprosium MOFs: Selective and Efficient Detection of Picric Acid in Aqueous and Gas Phase. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 819-830.	3.2	45
759	Metal-organic frameworks in Germany: From synthesis to function. <i>Coordination Chemistry Reviews</i> , 2019, 380, 378-418.	9.5	91
760	Colorimetric hydrazine detection and fluorescent hydrogen peroxide imaging by using a multifunctional chemical probe. <i>Analytica Chimica Acta</i> , 2019, 1052, 137-144.	2.6	32
761	Tunable multi-color luminescence and white emission in lanthanide ion functionalized polyoxometalate-based metal-organic frameworks hybrids and fabricated thin films. <i>Journal of Alloys and Compounds</i> , 2019, 777, 415-422.	2.8	17
762	Crystal structure, thermal stability and photoluminescence properties of five new Zn(II) coordination polymers constructed from mixed ligand; N-donor pyridine ligands and bis(4-carboxylphenyl)phosphinic acid. <i>Journal of Molecular Structure</i> , 2019, 1180, 63-71.	1.8	9
763	Structural, electronic, and dielectric properties of a large random network model of amorphous zeolitic imidazolate frameworks and its analogues. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4602-4611.	1.9	13
764	White-Light-Emitting Decoding Sensing for Eight Frequently-Used Antibiotics Based on a Lanthanide Metal-Organic Framework. <i>Polymers</i> , 2019, 11, 99.	2.0	21
765	Synthesis of g-C ₃ N ₄ @CuMOFs nanocomposite with superior peroxidase mimetic activity for the fluorometric measurement of glucose. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 28-36.	2.0	34
766	Functional Two-Dimensional Coordination Polymer Exhibiting Luminescence Detection of Nitroaromatics. <i>Crystal Growth and Design</i> , 2019, 19, 1172-1182.	1.4	64
767	Water-stable lanthanide-based metal-organic frameworks for rapid and sensitive detection of nitrobenzene derivatives. <i>Journal of Solid State Chemistry</i> , 2019, 270, 463-469.	1.4	38
768	Coll Complexes with a Tripyridine Ligand, Containing a 2,6-Di-tert-butylphenolic Fragment: Synthesis, Structure, and Formation of Stable Radicals. <i>ACS Omega</i> , 2019, 4, 203-213.	1.6	3
769	Versatile and Switchable Responsive Properties of a Lanthanide-Viologen Metal-Organic Framework. <i>Small</i> , 2019, 15, e1803468.	5.2	88
770	Photosensitizing single-site metal-organic framework enabling visible-light-driven CO ₂ reduction for syngas production. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 496-501.	10.8	119
771	Chance-constrained stochastic congestion management of power systems considering uncertainty of wind power and demand side response. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 107, 703-714.	3.3	47
772	A functional anionic metal-organic framework for selective adsorption and separation of organic dyes. <i>Polyhedron</i> , 2019, 161, 71-77.	1.0	24
773	Flexible and breathing metal-organic framework with high and selective carbon dioxide storage versus nitrogen. <i>Polyhedron</i> , 2019, 161, 56-62.	1.0	16
774	Structure and Emission Modulation of a Series of Cd(II) Luminescent Coordination Polymers through Guest Dependent Donor-Acceptor Interaction. <i>Crystal Growth and Design</i> , 2019, 19, 1391-1398.	1.4	27
775	MIL-53(Al)/Carbon Films for CO ₂ -Sensing at High Pressure. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4012-4018.	3.2	38

#	ARTICLE	IF	CITATIONS
776	Graphene Aerogelâ€“Metalâ€“Organic Framework-Based Electrochemical Method for Simultaneous Detection of Multiple Heavy-Metal Ions. <i>Analytical Chemistry</i> , 2019, 91, 888-895.	3.2	333
777	Four new water-stable metal-organic frameworks based on diverse metal clusters: Syntheses, structures, and luminescent sensing properties. <i>Journal of Solid State Chemistry</i> , 2019, 269, 386-395.	1.4	10
778	Synthesis and photo-physics of red emitting europium complexes: An estimation of the role of ancillary ligand by chemical partition of radiative decay rate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 370, 135-144.	2.0	34
779	Synthesis and structural elucidation of neutral N-donor linker based bi-porous isostructural cationic metal-organic frameworks. <i>Inorganica Chimica Acta</i> , 2019, 486, 401-405.	1.2	3
780	Modulating photoelectronic performance of metalâ€“organic frameworks for premium photocatalysis. <i>Coordination Chemistry Reviews</i> , 2019, 380, 201-229.	9.5	112
781	Metal-Organic Frameworks: New Functional Materials and Applications. , 2019, , 35-54.		2
782	Detection of pesticide using the large stokes shift of luminescence of a mixed lanthanide co-doped metalâ€“organic framework. <i>Polyhedron</i> , 2019, 158, 277-282.	1.0	19
783	Fluorescent Cadmium Bipillaredâ€“Layer Open Frameworks: Synthesis, Structures, Sensing of Nitro Compounds, and Capture of Volatile Iodine. <i>Chemistry - A European Journal</i> , 2019, 25, 1337-1344.	1.7	23
784	Five new Cd(II) coordination polymers constructed from 4,4â€“(hydroxyphosphoryl)dibenzoic acid and N-donor pyridine ligands. <i>Polyhedron</i> , 2019, 158, 144-153.	1.0	10
785	Selective adsorption and removal of drug contaminants by using an extremely stable Cu(II)-based 3D metal-organic framework. <i>Chemosphere</i> , 2019, 215, 524-531.	4.2	104
786	Matrix Coordination Induced Emission in a Threeâ€“Dimensional Silver Clusterâ€“Assembled Material. <i>Chemistry - A European Journal</i> , 2019, 25, 2750-2756.	1.7	38
787	Two Stable Zn-Cluster-Based Metalâ€“Organic Frameworks with Breathing Behavior: Synthesis, Structure, and Adsorption Properties. <i>Inorganic Chemistry</i> , 2019, 58, 391-396.	1.9	26
788	Continuous multi-channel sensing of volatile acid and organic amine gases using a fluorescent self-assembly system. <i>Journal of Materials Chemistry C</i> , 2019, 7, 133-142.	2.7	45
789	Large Pore Isorecticular Strontium-Organic Frameworks: Syntheses, Crystal Structures, and Thermal and Luminescent Properties. <i>Crystal Growth and Design</i> , 2019, 19, 268-274.	1.4	10
790	A mixed valence Tb(III)/Tb(IV) metalâ€“organic framework: Crystal structure, luminescence property and selective detection of naproxen. <i>Polyhedron</i> , 2019, 159, 298-307.	1.0	23
791	Stable Tb(III)-Based Metalâ€“Organic Framework: Structure, Photoluminescence, and Chemical Sensing of 2-Thiazolidinethione-4-carboxylic Acid as a Biomarker of CS ₂ . <i>Inorganic Chemistry</i> , 2019, 58, 524-534.	1.9	76
792	Cucurbit[6]uril-based supramolecular assemblies incorporating metal complexes with multiaromatic ligands as structure-directing agent for detection of aromatic amines and nitroaromatic compounds. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 844-853.	4.0	50
793	Tritopic Triazatruxene Ligands for Multicomponent Metalâ€“Organic Frameworks. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1167-1174.	1.7	13

#	ARTICLE	IF	CITATIONS
794	Fluorene â€“ Triazine conjugated porous organic polymer framework for superamplified sensing of nitroaromatic explosives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 371, 414-422.	2.0	26
795	Effect of nitrogen-position on the structures and magnetic properties of diazole-containing tripodal coordination compounds. <i>Polyhedron</i> , 2019, 159, 159-166.	1.0	1
796	Lanthanideâ€Based Thermometers: At the Cuttingâ€Edge of Luminescence Thermometry. <i>Advanced Optical Materials</i> , 2019, 7, 1801239.	3.6	631
797	Synthetic Strategies and Structural Arrangements of Isoreticular Mixedâ€Component Metalâ€Organic Frameworks. <i>Chemistry - A European Journal</i> , 2019, 25, 1866-1882.	1.7	58
798	Temperature- and solvent-dependent structures of three zinc(II) metal-organic frameworks for nitroaromatic explosives detection. <i>Journal of Solid State Chemistry</i> , 2019, 269, 195-202.	1.4	37
799	A Eu ³⁺ post-functionalized metal-organic framework as fluorescent probe for highly selective sensing of Cu ²⁺ in aqueous media. <i>Journal of Molecular Structure</i> , 2019, 1177, 444-448.	1.8	36
800	Two efficient pH sensors based on heteronuclear metal-organic frameworks. <i>Journal of Luminescence</i> , 2019, 205, 380-384.	1.5	23
801	Selective fluorescent sensing and photodegradation properties of Tb(III)-based MOFs with different bulky backbone ligands. <i>Polyhedron</i> , 2019, 157, 63-70.	1.0	12
802	New lanthanide ternary complex system in electrospun nanofibers: Assembly, physico-chemical property and sensor application. <i>Chemical Engineering Journal</i> , 2019, 358, 67-73.	6.6	59
803	Metallosalen-based crystalline porous materials: Synthesis and property. <i>Coordination Chemistry Reviews</i> , 2019, 378, 483-499.	9.5	82
804	Multicenter Metalâ€Organic Frameworkâ€Based Ratiometric Fluorescent Sensors. <i>Advanced Materials</i> , 2020, 32, e1805871.	11.1	413
805	Construction of mixed carboxylate and pyrogallate building units for luminescent metalâ€organic frameworks. <i>Chinese Chemical Letters</i> , 2020, 31, 813-817.	4.8	10
806	Receptor fluoride fine-tuning of fluorescent polymer probe for highly sensitive fluorescence response of methamphetamine vapor. <i>Dyes and Pigments</i> , 2020, 172, 107852.	2.0	15
807	Photo-luminescent chiral carbon-dot@Eu(D-cam) nanocomposites for selectively luminescence sensing of l-phenylalanine. <i>Journal of Molecular Structure</i> , 2020, 1201, 127214.	1.8	21
808	Broad spectrum detection of veterinary drugs with a highly stable metal-organic framework. <i>Journal of Hazardous Materials</i> , 2020, 382, 121018.	6.5	64
809	A Dye@MOF composite as luminescent sensory material for selective and sensitive recognition of Fe(III) ions in water. <i>Inorganica Chimica Acta</i> , 2020, 500, 119205.	1.2	34
810	A One-Dimensional Double-Chain Co(II) Metalâ€Organic Framework Based on Mixed Flexible N-donor Carboxylate and Bipyridine Ligands: Synthesis, Structure, Thermal Stability and Magnetic Property. <i>Journal of Cluster Science</i> , 2020, 31, 347-354.	1.7	5
811	Polymernetzwerke: Von Kunststoffen und Gelen zu porÃ¶sen GerÃ¼sten. <i>Angewandte Chemie</i> , 2020, 132, 5054-5085.	1.6	16

#	ARTICLE	IF	CITATIONS
812	Polymer Networks: From Plastics and Gels to Porous Frameworks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5022-5049.	7.2	194
813	Adsorption and diffusion of CO ₂ in CPO-27@Ni beads. <i>Adsorption</i> , 2020, 26, 711-721.	1.4	12
814	A porous luminescent Zn-MOF for selective probing Fe ³⁺ and nitrophenolic compounds. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107644.	1.8	11
815	Artificial nanozyme based on platinum nanoparticles anchored metal-organic frameworks with enhanced electrocatalytic activity for detection of telomeres activity. <i>Biosensors and Bioelectronics</i> , 2020, 149, 111838.	5.3	54
816	Rapid colorimetric detection of Pb ²⁺ with β -cyclodextrin-functionalized nanocrystalline gold. <i>Materials Chemistry and Physics</i> , 2020, 243, 122168.	2.0	5
817	Terbium metal organic framework: Microwave synthesis and selective sensing of nitrite. <i>Inorganic Chemistry Communication</i> , 2020, 111, 107627.	1.8	11
818	Adsorptive purification of organic contaminants of emerging concern from water with metal-organic frameworks. , 2020, , 47-92.		2
819	Gold nanoclusters-poly(9,9-dioctylfluorenyl-2,7-diyl) @zeolitic imidazolate framework-8 (ZIF-8) nanohybrid based probe for ratiometric analysis of dopamine. <i>Analytica Chimica Acta</i> , 2020, 1098, 102-109.	2.6	22
820	Ammoniated MOF-74(Zn) derivatives as luminescent sensor for highly selective detection of tetrabromobisphenol A. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109821.	2.9	25
821	Synthesis, Structure and Photocatalytic Dye Degradation Ability of Co(II)-Based Coordination Polymers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2105-2113.	1.9	7
822	Rigidifying induced fluorescence enhancement in 2D porous covalent triazine framework nanosheets for the simultaneously luminous detection and adsorption removal of antibiotics. <i>Chemical Engineering Journal</i> , 2020, 384, 123382.	6.6	83
823	Organosulfonate Counteranions@A Trapped Coordination Polymer as a High-Output Triboelectric Nanogenerator Material for Self-Powered Anticorrosion. <i>Chemistry - A European Journal</i> , 2020, 26, 584-591.	1.7	51
824	A thermal stable pincer-MOF with high selective and sensitive nitro explosive TNP, metal ion Fe ³⁺ and pH sensing in aqueous solution. <i>Dyes and Pigments</i> , 2020, 173, 107993.	2.0	94
825	Two isomeric In(<i>scp</i>)-MOFs: unexpected stability difference and selective fluorescence detection of fluoroquinolone antibiotics in water. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1161-1171.	3.0	89
826	Aggregation-induced emission compounds based on 9,10-diheteroaryl anthracene and their applications in cell imaging. <i>RSC Advances</i> , 2020, 10, 2170-2179.	1.7	13
827	The Advent of Electrically Conducting Double-Helical Metal-Organic Frameworks Featuring Butterfly-Shaped Electron-Rich π -Extended Tetrathiafulvalene Ligands. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12955-12961.	4.0	38
828	Humidity Sensing through Reversible Isomerization of a Covalent Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 783-791.	6.6	190
829	Time-dependent solid-state molecular motion and colour tuning of host-guest systems by organic solvents. <i>Nature Communications</i> , 2020, 11, 77.	5.8	51

#	ARTICLE	IF	CITATIONS
830	Functional group induced structural diversities and photocatalytic, magnetic and luminescence sensing properties of four cobalt(Co^{II}) coordination polymers based on 1,3,5-tris(2-methylimidazol-1-yl)benzene. <i>CrystEngComm</i> , 2020, 22, 811-820.	1.3	56
831	Luminescent metal-organic framework-based phosphor for the detection of toxic oxoanions in an aqueous medium. <i>Dalton Transactions</i> , 2020, 49, 829-840.	1.6	30
832	Unravelling the mechanism of water sensing by the Mg^{2+} dihydroxy-terephthalate MOF (AEMOF-1). <i>Molecular Systems Design and Engineering</i> , 2020, 5, 461-468.	1.7	14
833	Specific recognition of toxic allyl alcohol by pore-functionalized metal-organic frameworks. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 469-476.	1.7	8
834	Recent advances in two-dimensional-material-based sensing technology toward health and environmental monitoring applications. <i>Nanoscale</i> , 2020, 12, 3535-3559.	2.8	318
835	Three stable dinuclear $[\text{M}_2(\text{OH})_{0.5}(\text{NO}_3)_{0.5}(\text{RCOO})_2(\text{RN})_4]$ ($\text{M} = \text{Cu}, \text{Ni}$) based metal-organic frameworks with high CO_2 adsorption and selective separation for O_2/N_2 and $\text{C}_3\text{H}_8/\text{CH}_4$. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 731-736.	3.0	4
836	A Co-MOF with a (4,4)-connected binodal two-dimensional topology: synthesis, structure and photocatalytic properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 23-29.	0.2	8
837	A Stable Broad-Range Fluorescent pH Sensor Based on Eu^{3+} Post-Synthetic Modification of a Metal-Organic Framework. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1764-1771.	1.8	19
838	Fluorescent nanosensor for <i>in situ</i> detection of phosphate and alkaline phosphatase in mice with parathyroid dysfunction. <i>Chemical Communications</i> , 2020, 56, 2431-2434.	2.2	18
839	Rational design of a high-efficiency, multivariate metal-organic framework phosphor for white LED bulbs. <i>Chemical Science</i> , 2020, 11, 1814-1824.	3.7	43
840	Synthesis, Structure, and Characterization of Variable Chains in a Series of Transition Metal Coordination Compounds. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 452-460.	1.0	6
841	A self-calibrating dual responsive platform for the sensitive detection of sulfite and sulfonic derivatives based on a robust Hf^{IV} metal-organic framework. <i>Chemical Communications</i> , 2020, 56, 631-634.	2.2	16
842	Self-assembly of azaphthalocyanine-oligodeoxynucleotide conjugates into J-dimers: towards biomolecular logic gates. <i>Organic Chemistry Frontiers</i> , 2020, 7, 445-456.	2.3	5
843	A 3D hierarchical dual-metal-organic framework heterostructure up-regulating the pre-concentration effect for ultrasensitive fluorescence detection of tetracycline antibiotics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2054-2064.	2.7	95
844	Recent developments in luminescent coordination polymers: Designing strategies, sensing application and theoretical evidences. <i>Coordination Chemistry Reviews</i> , 2020, 406, 213145.	9.5	366
845	A 2D copper(I) metal-organic framework: Synthesis, structure and luminescence sensing for cupric, ferric, chromate and TNP. <i>Dyes and Pigments</i> , 2020, 175, 108159.	2.0	48
846	Metal-organic framework for sorptive/catalytic removal and sensing applications against nitroaromatic compounds. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 84, 87-95.	2.9	37
847	The syntheses, structures, and properties of metal-organic frameworks based on mixed multi-N donor and carboxylate ligands. <i>Journal of Solid State Chemistry</i> , 2020, 283, 121133.	1.4	9

#	ARTICLE	IF	CITATIONS
848	Construction of luminescent coordination polymers based on 5-(1-(carboxymethyl)-pyrazol-3-yl)isophthalic ligand for sensing Cu ²⁺ and acetone. <i>Polyhedron</i> , 2020, 177, 114314.	1.0	7
849	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
850	Synthesis and Catalytic Properties of Porous Metal Silica Materials Templated and Functionalized by Extended Coordination Cages. <i>Inorganic Chemistry</i> , 2020, 59, 767-776.	1.9	16
851	Microflowers Comprised of Cu/Cu _x O/NC Nanosheets as Electrocatalysts and Horseradish Peroxidase Mimics. <i>ACS Applied Nano Materials</i> , 2020, 3, 617-623.	2.4	30
852	Sustainable Green Route to Synthesize Functional Nano-MOFs as Selective Sensing Probes for Cr ^{VI} Oxoanions and as Specific Sequestering Agents for Cr ₂ O ₇ ²⁻ . <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1195-1206.	3.2	30
853	Strategies to Improve Electrical and Ionic Conductivities of Metal-Organic Frameworks. <i>Comments on Inorganic Chemistry</i> , 2020, 40, 86-106.	3.0	9
855	Highly Sensitive Determination of Bisphenol A in Bottled Water Samples by HPLC after Its Extraction by a Novel Th-MOF Pipette-Tip Micro-SPE. <i>Journal of Chromatographic Science</i> , 2020, 58, 373-382.	0.7	13
856	An etching and re-growth method for the synthesis of bismuth ferrite/MIL-53(Fe) nanocomposite as efficient photocatalyst for selective oxidation of aromatic alcohols. <i>Applied Catalysis B: Environmental</i> , 2020, 264, 118529.	10.8	50
857	Molecularly imprinted polymers-captivity ZnO nanorods for sensitive and selective detecting environmental pollutant. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117785.	2.0	8
858	Recent Advances in Photoelectrochemical Sensing: From Engineered Photoactive Materials to Sensing Devices and Detection Modes. <i>Analytical Chemistry</i> , 2020, 92, 363-377.	3.2	614
859	Four congenetic zinc(II) MOFs from delicate solvent-regulated strategy: Structural diversities and fluorescent properties. <i>Inorganica Chimica Acta</i> , 2020, 502, 119296.	1.2	3
860	Ultrasensitive Assay of Alkaline Phosphatase Based on the Fluorescent Response Difference of the Metal-Organic Framework Sensor. <i>ACS Omega</i> , 2020, 5, 712-717.	1.6	11
861	Coordination polymers with salicylaldehyde ligands: structural diversity, selective sorption and luminescence sensing properties. <i>CrystEngComm</i> , 2020, 22, 304-310.	1.3	8
862	AIE-ligand-based luminescent Cd-organic framework as the first "turn-on" Fe ³⁺ sensor in aqueous medium. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1427-1432.	2.7	61
863	Accurate tuning of rare earth metal-organic frameworks with unprecedented topology for white-light emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1374-1379.	2.7	26
864	Zn/Cd based mixed ligand coordination polymers as fluorosensors for aqueous phase detection of hazardous pollutants. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1082-1107.	3.0	161
865	Synthesis, structure, and photoluminescence properties of coordination polymers of 4,4'-bis(4-carboxyphenyl)-4,4'-tetrakis(carboxyphenyl)silane and 3,5-bis(1,2,4-triazol-1-yl)pyridine. <i>CrystEngComm</i> , 2020, 22, 534-545.	1.1	1
866	Creation of Redox-Active Pd Nanoparticles Inside the Defect Pores of MOF UiO-66 with Unique Semihydrogenation Catalytic Properties. <i>Advanced Functional Materials</i> , 2020, 30, 1908519.	7.8	24

#	ARTICLE	IF	CITATIONS
867	Rh ^{III} -Embedded Zirconium ^{IV} -Naphthalene-Based Metal-Organic Framework Composite as a Luminescent Self-Calibrating Platform for the Selective Detection of Inorganic Ions. <i>Chemistry - A European Journal</i> , 2020, 26, 1661-1667.	1.7	46
868	Metal Ion-Driven Assembly of Coordination Polymers Based on 1,3-Bis(4-imidazolylphenoxy)propane: Crystal Structures and Photocatalytic Properties. <i>Journal of Chemical Crystallography</i> , 2020, 50, 428-437.	0.5	0
869	CO ₂ fixation by cycloaddition of mono/disubstituted epoxides using acyl amide decorated Co(II) MOF as a synergistic heterogeneous catalyst. <i>Applied Catalysis A: General</i> , 2020, 590, 117375.	2.2	42
870	Lanthanide-Based Metal-Organic Frameworks Containing α -V-Shaped Tetracarboxylate Ligands: Synthesis, Crystal Structures, α -Naked-Eye Luminescent Detection, and Catalytic Properties. <i>Inorganic Chemistry</i> , 2020, 59, 264-273.	1.9	36
871	Metal-Organic Frameworks with Double Channels for Rapid and Reversible Adsorption of 1,2-Ethylenediamine and Gases. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1412-1418.	4.0	14
872	Electrochemiluminescence aptasensor for multiple determination of Hg ²⁺ and Pb ²⁺ ions by using the MIL-53(Al)@CdTe-PEI modified electrode. <i>Analytica Chimica Acta</i> , 2020, 1100, 232-239.	2.6	51
873	Selective and sensitive recognition of Fe ³⁺ ion by a Lewis basic functionalized chemically stable metal-organic framework (MOF). <i>Inorganica Chimica Acta</i> , 2020, 502, 119359.	1.2	22
874	Ag nanoparticles decorated into metal-organic framework (Ag NPs/ZIF-8) for electrochemical sensing of chloride ion. <i>Nanotechnology</i> , 2020, 31, 125601.	1.3	45
875	A superior luminescent metal-organic framework sensor for sensing trace Al ³⁺ and picric acid via disparate charge transfer behaviors. <i>Journal of Luminescence</i> , 2020, 219, 116908.	1.5	21
876	Ultrasensitive Fe ³⁺ luminescence sensing and supercapacitor performances of a triphenylamine-based Tb(III)-MOF. <i>Journal of Solid State Chemistry</i> , 2020, 282, 121083.	1.4	16
877	Advanced Photoresponsive Materials Using the Metal-Organic Framework Approach. <i>Advanced Materials</i> , 2020, 32, e1905227.	11.1	184
878	A highly stable luminescent coordination polymer for sensing of volatile iodine and its metal-ion exchange properties with Cu ²⁺ ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 389, 112256.	2.0	24
879	Three new coordination polymers based on a fluorene derivative ligand for the highly luminescent sensitive detection of Fe ³⁺ . <i>Journal of Molecular Structure</i> , 2020, 1202, 127341.	1.8	7
880	Encapsulation of β -alanine model amino-acid in zirconium(IV) metal organic frameworks: Defect engineering to improve host guest interactions. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 110977.	1.5	11
881	The advanced sensing systems for NO based on metal-organic frameworks: Applications and future opportunities. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 122, 115730.	5.8	26
882	Enhancing the separation efficiency of a C ₂ H ₂ /C ₂ H ₄ mixture by a chromium metal-organic framework fabricated <i>via</i> post-synthetic metalation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2083-2089.	5.2	45
883	A Zn(II)-Based Coordination Polymer Featuring Selective Detection of Fe ³⁺ and Efficient Capture of Anionic Dyes. <i>Crystal Growth and Design</i> , 2020, 20, 7477-7483.	1.4	29
884	A Stable 3D Zn-Coordination Polymer Sensor Based on Dual Luminescent Ligands for Efficient Detection of Multiple Analytes under Acid or Alkaline Environment. <i>Inorganic Chemistry</i> , 2020, 59, 15495-15503.	1.9	71

#	ARTICLE	IF	CITATIONS
885	Understanding the hierarchical assemblies and oil/water separation applications of metal-organic frameworks. <i>Journal of Molecular Liquids</i> , 2020, 318, 114273.	2.3	26
886	Lanthanide functionalized MOF thin films as effective luminescent materials and chemical sensors for ammonia. <i>Dalton Transactions</i> , 2020, 49, 15663-15671.	1.6	36
887	Core-shell structured molecularly imprinted materials for sensing applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 133, 116043.	5.8	60
888	A luminescent sensor based on a new Cd-MOF for nitro explosives and organophosphorus pesticides detection. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108272.	1.8	38
889	Highly selective and sensitive detection towards cationic Cu ²⁺ and Fe ³⁺ contaminants via an In-MOF based dual-responsive fluorescence probe. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108273.	1.8	29
890	Structural diversity, gas adsorption and magnetic properties of three coordination polymers based on a rigid multicarboxylate ligand. <i>CrystEngComm</i> , 2020, 22, 7046-7053.	1.3	6
891	TWO 3D Cd (II) luminescent coordination polymers as highly selective and sensitive sensing for Fe ³⁺ and CrO ₄ ²⁻ /Cr ₂ O ₇ ²⁻ ions in aqueous system. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121637.	1.4	11
892	The chemistry of Ce-based metal-organic frameworks. <i>Dalton Transactions</i> , 2020, 49, 16551-16586.	1.6	76
893	Role of the metal cation in the dehydration of the microporous metal-organic frameworks CPO-27-M. <i>Microporous and Mesoporous Materials</i> , 2020, 309, 110503.	2.2	14
894	Amino group dependent sensing properties of metal-organic frameworks: selective turn-on fluorescence detection of lysine and arginine. <i>RSC Advances</i> , 2020, 10, 37449-37455.	1.7	38
895	Chemoresistive Room-Temperature Sensing of Ammonia Using Zeolite Imidazole Framework and Reduced Graphene Oxide (ZIF-67/rGO) Composite. <i>ACS Omega</i> , 2020, 5, 27492-27501.	1.6	57
896	Highly efficient synergistic CO ₂ conversion with epoxide using copper polyhedron-based MOFs with Lewis acid and base sites. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4517-4526.	3.0	36
897	Synthesis of multifunctional metal-organic frameworks and tuning the functionalities with pendant ligands. <i>Dalton Transactions</i> , 2020, 49, 15034-15040.	1.6	2
898	A new Cd-coordination polymer based on 1,3-di(4-pyridyl)propane: synthesis, crystal structure, thermogravimetric analysis, and photoluminescent properties. <i>Journal of Coordination Chemistry</i> , 2020, 73, 2265-2274.	0.8	4
899	One-step in-situ growth of zeolitic imidazole frameworks-8 on cotton fabrics for photocatalysis and antimicrobial activity. <i>Cellulose</i> , 2020, 27, 10447-10459.	2.4	48
900	Cd-Based Metal-Organic Framework Containing Uncoordinated Carbonyl Groups as Lanthanide Postsynthetic Modification Sites and Chemical Sensing of Diphenyl Phosphate as a Flame-Retardant Biomarker. <i>Inorganic Chemistry</i> , 2020, 59, 15088-15100.	1.9	38
901	Electronic Devices Using Open Framework Materials. <i>Chemical Reviews</i> , 2020, 120, 8581-8640.	23.0	185
902	A water-stable terbium metal-organic framework as a highly sensitive fluorescent sensor for nitrite. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3379-3385.	3.0	69

#	ARTICLE	IF	CITATIONS
903	Ligand engineering to achieve enhanced ratiometric oxygen sensing in a silver cluster-based metal-organic framework. <i>Nature Communications</i> , 2020, 11, 3678.	5.8	122
904	A zwitterionic ligand-based water-stable metal-organic framework showing photochromic and Cr(VI) removal properties. <i>Dalton Transactions</i> , 2020, 49, 10613-10620.	1.6	16
905	The selective and sensitive detection of formaldehyde by ZIF-90-LW via aza-Cope rearrangement. <i>Analytical Methods</i> , 2020, 12, 3748-3755.	1.3	11
906	Modulating Magnetic and Photoluminescence Properties in Aminonicotinate-Based Bifunctional Coordination Polymers by Merging 3d Metal Ions. <i>Chemistry - A European Journal</i> , 2020, 26, 13484-13498.	1.7	8
907	Tuning Metal-Organic Framework Nanocrystal Shape through Facet-Dependent Coordination. <i>Nano Letters</i> , 2020, 20, 1774-1780.	4.5	52
908	Polar Sulfone-Functionalized Oxygen-Rich Metal-Organic Frameworks for Highly Selective CO_2 Capture and Sensitive Detection of Acetylacetone at ppb Level. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11724-11736.	4.0	53
909	AIE ligands-based new cobalt metal-organic framework as bifunctional sensor for Fe^{3+} ion and TNP in aqueous solution. <i>Journal of Solid State Chemistry</i> , 2020, 290, 121561.	1.4	20
910	A Green-Emission Metal-Organic Framework-Based Nanoprobe for Imaging Dual Tumor Biomarkers in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35375-35384.	4.0	32
911	Tetraphenylethene-Based Luminescent Metal-Organic Framework for Effective Differentiation of <i>cis/trans</i> Isomers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35266-35272.	4.0	3
912	A new porous coordination polymer reveals selective sensing of Fe^{3+} , $\text{Cr}_2\text{O}_7^{2-}$, CrO_4^{2-} , MnO_4^- and nitrobenzene, and stimuli-responsive luminescence color conversions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11786-11795.	2.7	43
913	A thiadiazole-based covalent triazine framework nanosheet for highly selective and sensitive primary aromatic amine detection among various amines. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16542-16550.	5.2	52
914	Increased Photocatalytic Activity of Post Synthetically Modified Coordination Polymer Derived from Bispyridyldiamide. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3174-3186.	1.0	2
915	An acetoxy functionalized $\text{Al}(\text{III})$ based metal-organic framework showing selective PO_4^{3-} detection of perborate in environmental samples. <i>Dalton Transactions</i> , 2020, 49, 17612-17620.	1.6	10
916	Facile Fabrication of an AIE-Active Metal-Organic Framework for Sensitive Detection of Explosives in Liquid and Solid Phases. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55299-55307.	4.0	51
917	Strontium-Based MOFs Showing Dual Emission: Luminescence Thermometers and Toluene Sensors. <i>Inorganic Chemistry</i> , 2020, 59, 18432-18443.	1.9	27
918	Highly luminescent silver-based MOFs: Scalable eco-friendly synthesis paving the way for photonics sensors and electroluminescent devices. <i>Applied Materials Today</i> , 2020, 21, 100817.	2.3	28
919	Research Progress of Porous Liquids. <i>ChemistrySelect</i> , 2020, 5, 13664-13672.	0.7	17
920	Metal-organic frameworks containing xanthene dyes for photocatalytic applications. <i>Dalton Transactions</i> , 2020, 49, 17520-17526.	1.6	13

#	ARTICLE	IF	CITATIONS
921	Isorecticular Microporous Metal-Organic Frameworks for Carbon Dioxide Capture. <i>Inorganic Chemistry</i> , 2020, 59, 17143-17148.	1.9	33
922	Crystallizing Atomic Xenon in a Flexible MOF to Probe and Understand Its Temperature-Dependent Breathing Behavior and Unusual Gas Adsorption Phenomenon. <i>Journal of the American Chemical Society</i> , 2020, 142, 20088-20097.	6.6	62
923	Highly fluorescent scandium-tetracarboxylate frameworks: selective detection of nitro-aromatic compounds, sensing mechanism, and their application. <i>Dalton Transactions</i> , 2020, 49, 17737-17744.	1.6	29
924	A lanthanide doped metal-organic framework demonstrated as naked eye detector of a trace of water in organic solvents including alcohols by monitoring the turn-on of luminescence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 402, 112830.	2.0	13
925	A copper-based metal-organic framework for ratiometric detection of hydrogen sulfide with high sensitivity and fast response. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 243, 118794.	2.0	7
926	Luminescent metal-organic frameworks and their potential applications. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	34
927	Postmodified Dual Functional UiO Sensor for Selective Detection of Ozone and Tandemly Derived Sensing of Al ³⁺ . <i>Analytical Chemistry</i> , 2020, 92, 11600-11606.	3.2	22
928	Functionalizing Luminescent Metal-Organic Frameworks for Enhanced Photoluminescence. <i>ACS Energy Letters</i> , 2020, 5, 2671-2680.	8.8	58
929	Anchoring Zn-phthalocyanines in the pore matrices of UiO-67 to improve highly the photocatalytic oxidation efficiency. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119350.	10.8	21
930	Photofunctional metal-organic framework thin films for sensing, catalysis and device fabrication. <i>Inorganica Chimica Acta</i> , 2020, 513, 119926.	1.2	15
931	Photodynamical behaviour of MOFs and related composites: Relevance to emerging photon-based science and applications. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2020, 44, 100355.	5.6	32
932	On-Chip Template-Directed Conversion of Metal Hydroxides to Metal-Organic Framework Films with Enhanced Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36715-36722.	4.0	11
933	A dual-emission Acf@bioMOF-1 platform as fluorescence sensor for highly efficient detection of inorganic ions. <i>Journal of Solid State Chemistry</i> , 2020, 290, 121580.	1.4	15
934	Dye-Encapsulated Zeolitic Imidazolate Framework (ZIF-71) for Fluorochromic Sensing of Pressure, Temperature, and Volatile Solvents. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37477-37488.	4.0	54
935	Facile Synthesis of Dikelike Cobalt Squarate Cages through a Spontaneous Dissolution-Regrowth Process. <i>Chemistry of Materials</i> , 2020, 32, 6765-6771.	3.2	15
936	MOF-based atomically dispersed metal catalysts: Recent progress towards novel atomic configurations and electrocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213483.	9.5	105
937	Chiral covalent organic frameworks: design, synthesis and property. <i>Chemical Society Reviews</i> , 2020, 49, 6248-6272.	18.7	211
938	Exploratory studies of a multidimensionally talented simple Mn ^{II} -based porous network: selective return-on-recognition @ cysteine over homocysteine with an indication of cystinuria and renal dysfunction. <i>New Journal of Chemistry</i> , 2020, 44, 14712-14722.	1.4	29

#	ARTICLE	IF	CITATIONS
939	Thermo-responsive light-emitting metal complexes and related materials. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3258-3281.	3.0	32
940	A self-penetrating and chemically stable zinc (ii)-organic framework as multi-responsive chemo-sensor to detect pesticide and antibiotics in water. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5960.	1.7	62
941	Construction of polypyrrole nanotubes interconnected ZIFs-templated nickel-cobalt layered double hydroxide via varying the mass of ZIF-67 for supercapacitors with tunable performance. <i>Materials Chemistry and Physics</i> , 2020, 255, 123497.	2.0	16
942	L-proline functionalized pillar-layered MOF as a heterogeneous catalyst for aldol addition reaction. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108052.	1.8	12
943	A novel monocapped square-antiprismatic Ba(II) coordination polymer: a design for dual-responsive fluorescent chemosensor for Cr ₂ O ₇ ²⁻ and Fe(III). <i>Journal of Solid State Chemistry</i> , 2020, 290, 121582.	1.4	7
944	Highly selective, sensitive and stable three-dimensional luminescent metal-organic framework for detecting and removing of the antibiotic in aqueous solution. <i>Microchemical Journal</i> , 2020, 159, 105349.	2.3	21
945	Construction and selective gas adsorption properties of two hetero-SBU MOFs based on unsymmetrical tetracarboxylate linkers. <i>CrystEngComm</i> , 2020, 22, 5961-5969.	1.3	8
946	Functional metal-organic frameworks as effective sensors of gases and volatile compounds. <i>Chemical Society Reviews</i> , 2020, 49, 6364-6401.	18.7	784
947	Polyurethane-coated luminescent dye@MOF composites for highly-stable white LEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12308-12313.	2.7	28
948	Rapid switch-on fluorescent detection of nanomolar-level hydrazine in water by a diacetoxy-functionalized MOF: application in paper strips and environmental samples. <i>Dalton Transactions</i> , 2020, 49, 12565-12573.	1.6	21
949	Cluster/cage-based coordination polymers with tetrazole derivatives. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213424.	9.5	39
950	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21752-21757.	7.2	115
951	Metal-organic frameworks and their derivatives as signal amplification elements for electrochemical sensing. <i>Coordination Chemistry Reviews</i> , 2020, 424, 213520.	9.5	105
952	Highly selective and sensitive dual-fluorescent probe for cationic Pb ²⁺ and anionic Cr ₂ O ₇ ²⁻ , CrO ₄ ²⁻ contaminants via a powerful indium-organic framework. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121672.	1.4	17
953	Sensing mechanism elucidation of a chemosensor based on a metal-organic framework selective to explosive aromatic compounds. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26404.	1.0	14
954	Guest-Responsive Reversal in Structural Transformation after a [2 + 2] Topochemical Reaction in a 3D Pillared Layer MOF: Uncovering the Role of C-H...O Interaction. <i>Inorganic Chemistry</i> , 2020, 59, 12793-12801.	1.9	6
955	Luminescent sensing of nitroaromatics by crystalline porous materials. <i>CrystEngComm</i> , 2020, 22, 7736-7781.	1.3	97
956	Metal-Organic Framework-Engineered Enzyme-Mimetic Catalysts. <i>Advanced Materials</i> , 2020, 32, e20030651.1		183

#	ARTICLE	IF	CITATIONS
957	Rational design of a functionalized aluminum metal-organic framework as a turn-off fluorescence sensor for α -ketoglutaric acid. Dalton Transactions, 2020, 49, 16928-16934.	1.6	7
958	Amino Acid-Derived Emerging Sensor for Detection of S^{2-} Ion and MeOH Percentage in MeOH-H ₂ O Mixture. ChemistrySelect, 2020, 5, 12835-12842.	0.7	2
959	A Gadolinium Metal-Organic Framework Film as a Converter Layer for Neutron Detection. ChemPlusChem, 2020, 85, 2349-2356.	1.3	1
960	Luminescent Thermochromic Silver Iodides as Wavelength-Dependent Thermometers. Inorganic Chemistry, 2020, 59, 13067-13077.	1.9	8
961	Mixed donor, phenanthroline photoactive MOFs with favourable CO ₂ selectivity. Chemical Communications, 2020, 56, 13377-13380.	2.2	2
962	Enhanced fluorescence by increasing dimensionality: a novel three-dimensional luminescent metal-organic framework with rigidified ligands. CrystEngComm, 2020, 22, 5946-5948.	1.3	6
963	Fe/Ni Bimetallic Organic Framework Deposited on TiO ₂ Nanotube Array for Enhancing Higher and Stable Photoelectrochemical Activity of Oxygen Evolution Reaction. Nanomaterials, 2020, 10, 1688.	1.9	18
964	Anionic metal-organic framework as a unique turn-on fluorescent chemical sensor for ultra-sensitive detection of antibiotics. Chemical Communications, 2020, 56, 12403-12406.	2.2	65
965	Increase of network hydrophilicity from sq1 to lvt supramolecular isomers of Cu-MOFs with the bifunctional 4-(3,5-dimethyl-1 <i>H</i> -pyrazol-4-yl)benzoate linker. Dalton Transactions, 2020, 49, 12854-12864.	1.6	7
966	Di-functional luminescent sensors based on Y ³⁺ doped Eu ³⁺ and Tb ³⁺ coordination polymers: fast response and visible detection of Cr ³⁺ , Fe ³⁺ ions in aqueous solutions and acetone. RSC Advances, 2020, 10, 32232-32240.	1.7	16
967	From lamellar net to bilayered-lamella and to porous pillared-bilayer: reversible crystal-to-crystal transformation, CO ₂ adsorption, and fluorescence detection of Fe ³⁺ , Al ³⁺ , Cr ³⁺ , MnO ₄ ²⁻ , and Cr ₂ O ₇ ²⁻ in water. Dalton Transactions, 2020, 49, 14201-14215.	1.6	22
968	Bifunctional Dinuclear Complexes Based on Iminodiacetate and 1,2-Di(4-pyridyl)ethylene: Crystal Structures, Vapochromism, and Iodine Adsorption. Crystal Growth and Design, 2020, 20, 7439-7449.	1.4	9
969	From 1D Coordination Polymers to Metal Organic Frameworks by the Use of 2-Pyridyl Oximes. Materials, 2020, 13, 4084.	1.3	7
970	Construction of a High-Nuclearity Elliptical Yb(III) Nanoring: NIR Luminescent Response to Metal Ions and Nitro Explosives. Inorganic Chemistry, 2020, 59, 14620-14626.	1.9	11
971	Fast-synthesis and catalytic property of heterogeneous Co-MOF catalysts for the epoxidation of α -pinene with air. New Journal of Chemistry, 2020, 44, 17413-17421.	1.4	11
972	A Water-Stable Cationic Metal-Organic Framework with Hydrophobic Pore Surfaces as an Efficient Scavenger of Oxo-Anion Pollutants from Water. ACS Applied Materials & Interfaces, 2020, 12, 41810-41818.	4.0	51
973	Multi-responsive chemosensing and photocatalytic properties of three luminescent coordination polymers derived from a bifunctional 1,1'-di(4-carbonylphenyl)-2,2'-biimidazole ligand. CrystEngComm, 2020, 22, 6195-6206.	1.3	28
974	Introducing a flexible tetracarboxylic acid linker into functional coordination polymers: synthesis, structural traits, and photocatalytic dye degradation. New Journal of Chemistry, 2020, 44, 16082-16091.	1.4	21

#	ARTICLE	IF	CITATIONS
975	Isolated Mixed-Valence Iron Vanadium Malate and Its Metal Hydrates (M = Fe ²⁺), <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 747</i> <i>Inorganic Chemistry</i> , 2020, 59, 12768-12777.	1.9	7
976	Synthesis, Structural Features, and Hydrogen Adsorption Properties of Three New Flexible Sulfur-Containing Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2020, 20, 6707-6714.	1.4	6
977	Energy Transfer in Metal-Organic Frameworks and Its Applications. <i>Small Structures</i> , 2020, 1, 2000019.	6.9	26
978	Chiro-magnetoptics of Au and Ag Nanoparticulate Systems. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21722-21729.	1.5	9
979	Near-Field Infrared Nanospectroscopy Reveals Guest Confinement in Metal-Organic Framework Single Crystals. <i>Nano Letters</i> , 2020, 20, 7446-7454.	4.5	25
980	OD to 3D Pr ^{III} metal-organic networks crystal engineered for optimal iodine adsorption. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2020, 76, 779-788.	0.5	5
981	Tunable photoluminescence in flexible carboxylate ligand-based coordination polymers with interesting topologies and Fe ³⁺ sensitivity. <i>CrystEngComm</i> , 2020, 22, 6713-6719.	1.3	7
982	Luminescent triphenylamine-based metal-organic frameworks: recent advances in nitroaromatics detection. <i>Dalton Transactions</i> , 2020, 49, 12929-12939.	1.6	18
983	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. <i>Angewandte Chemie</i> , 2020, 132, 21936-21941.	1.6	23
984	Optical absorption properties of metal-organic frameworks: solid state <i>versus</i> molecular perspective. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 19512-19521.	1.3	14
985	A Trinuclear Cobalt-Organic Framework: Solvatochromic Sensor towards CH ₂ Cl ₂ , and its Derivative as an Anode of Lithium-Ion Batteries with High Performance. <i>Chemistry - A European Journal</i> , 2020, 26, 14187-14193.	1.7	6
986	Metalloporphyrin-Based Metal-Organic Frameworks on Flexible Carbon Paper for Electrocatalytic Nitrite Oxidation. <i>Chemistry - A European Journal</i> , 2020, 26, 17399-17404.	1.7	7
987	Three-component D-A hybrid heterostructures with enhanced photochromic, photomodulated luminescence and selective anion-sensing properties. <i>Dalton Transactions</i> , 2020, 49, 13083-13089.	1.6	24
988	Size-controlled synthesis of metal-organic frameworks and their performance as fluorescence sensors. <i>Analyst</i> , 2020, 145, 7349-7356.	1.7	12
989	A biocompatible ZnNa ₂ -based metal-organic framework with high ibuprofen, nitric oxide and metal uptake capacity. <i>Materials Advances</i> , 2020, 1, 2248-2260.	2.6	8
990	Tri-functional Fe-Zr bi-metal-organic frameworks enable high-performance phosphate ion ratiometric fluorescent detection. <i>Nanoscale</i> , 2020, 12, 19383-19389.	2.8	45
991	Near-infrared fluorescent organic porous crystal that responds to solvent vapors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12437-12444.	2.7	15
992	New microsphere cobalt complex: preparation and catalytic consideration for the synthesis of some heterocyclic compounds. <i>ChemistrySelect</i> , 2020, 5, 15130-15136.	0.7	2

#	ARTICLE	IF	CITATIONS
993	Multiresponsive luminescent Cd(II) coordination polymer for selective and recyclable detection of TNP and Cr2O7 ²⁻ in aqueous media. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108233.	1.8	6
994	A novel microporous metal-organic framework with Lewis basic sites and open O donor sites: Crystal structure and adsorption properties. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121688.	1.4	2
995	A new covalent organic polymer used to highly selective detection of Fe ³⁺ ions. <i>E3S Web of Conferences</i> , 2020, 213, 01008.	0.2	0
996	Dual-Emission Zr-MOF-Based Composite Material as a Fluorescence Turn-On Sensor for the Ultrasensitive Detection of Al ³⁺ . <i>Inorganic Chemistry</i> , 2020, 59, 18205-18213.	1.9	68
997	The active environment influence on the luminescence of SnO ₂ nanoparticles™ ensembles in a porous matrix. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	0
998	Mesoporous MIP-capped luminescent MOF as specific and sensitive analytical probe: application for chlorpyrifos. <i>Mikrochimica Acta</i> , 2020, 187, 673.	2.5	31
999	SURMOF Devices Based on Heteroepitaxial Architectures with White Light Emission and Luminescent Thermal-Dependent Performance. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000929.	1.9	15
1000	Reverse photoluminescence responses of Ln(III) complexes to methanol vapor clarify the differentiated energy transfer pathway and potential for methanol detection and encryption. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16907-16914.	2.7	6
1001	Alkaline earth-organic frameworks with amino derivatives of 2,6-naphthalene dicarboxylates: structural studies and fluorescence properties. <i>Dalton Transactions</i> , 2020, 49, 16736-16744.	1.6	3
1002	Recent Progress in 2D Metal-Organic Frameworks for Optical Applications. <i>Advanced Optical Materials</i> , 2020, 8, 2000110.	3.6	85
1003	Efficient Identification for Alcohol Homologues and Hyperthermy Based on Coordination Polymer Multiple Structural Transformations. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24141-24148.	4.0	8
1004	Synthesis, structure diversity, and dye adsorption and luminescent sensing properties of Zinc (II) coordination polymers based on 1,3,5-tris(1-imidazolyl)benzene and 1,3-bis(1-imidazolyl)toluene. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121445.	1.4	14
1005	Two d ¹⁰ metal-organic frameworks based on a novel semi-rigid aromatic biscarboxylate ligand: Syntheses, structures and luminescent properties. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5654.	1.7	9
1006	Supramolecular organic frameworks with ultralong phosphorescence via breaking π-Conjugated structures. <i>Giant</i> , 2020, 1, 100007.	2.5	12
1007	Probing the limits of linker substitution in aluminum MOFs through water vapor sorption studies: mixed-MOFs instead of mixed-linker CAU-23 and MIL-160 materials. <i>Dalton Transactions</i> , 2020, 49, 7373-7383.	1.6	22
1008	The role of Fe ³⁺ ions in fluorescence detection of H ₂ S by a bimetallic metal-organic framework. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121434.	1.4	17
1009	Ultrafast scale-up synthesis of calcium rod/layer MOFs and luminescence detection of water in organic solvents. <i>Materials Advances</i> , 2020, 1, 689-697.	2.6	2
1010	Building a robust 3D Ca-MOF by a new square Ca ₄ O SBU for purification of natural gas. <i>Dalton Transactions</i> , 2020, 49, 8836-8840.	1.6	19

#	ARTICLE	IF	CITATIONS
1011	R-Substituent induced structural diversity, synergistic effect and highly selective luminescence sensing for Fe ³⁺ detection by post-synthetically modified Cd-MOFs. <i>CrystEngComm</i> , 2020, 22, 3871-3883.	1.3	16
1012	A multifunctional photochromic metal-organic framework with Lewis acid sites for selective amine and anion sensing. <i>CrystEngComm</i> , 2020, 22, 4124-4129.	1.3	29
1013	Nano-sized metal-organic frameworks: Synthesis and applications. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213366.	9.5	174
1014	Advanced Properties and Applications of AI-Egens-Inspired Smart Materials. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10721-10736.	1.8	28
1015	Photoresponsivity and antibiotic sensing properties of an entangled tris(pyridinium)-based metal-organic framework. <i>Dalton Transactions</i> , 2020, 49, 7488-7495.	1.6	31
1016	A series of 2D Co-Zn isomorphous metal-organic frameworks for photodegradation and luminescent detection properties. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5743.	1.7	13
1017	Two cadmium(II) coordination polymers as multi-functional luminescent sensors for the detection of Cr(VI) anions, dichloronitroaniline pesticide, and nitrofurantoin antibiotic in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118467.	2.0	86
1018	Molecular Spring-like Triple-Helix Coordination Polymers as Dual-Stress and Thermally Responsive Crystalline Metal-Organic Materials. <i>Angewandte Chemie</i> , 2020, 132, 16195-16202.	1.6	4
1019	Selective fluorescence sensing properties of a novel two-fold interpenetrating coordination polymer. <i>New Journal of Chemistry</i> , 2020, 44, 9411-9418.	1.4	7
1021	Highly selective C ₂ H ₂ and CO ₂ capture and photoluminescence properties of two Tb(III)-based MOFs. <i>Journal of Solid State Chemistry</i> , 2020, 285, 121257.	1.4	4
1022	Zn/Cd-based metal-organic frameworks: crystal structures, Ln-functionalized luminescence and chemical sensing of dichloroaniline as a pesticide biomarker. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9427-9439.	2.7	43
1023	Effect of Substitution at Amine Functionality of 2,6-Diaminopyridine-Coupled Rhodamine on Metal-Ion Interaction and Self-Assembly. <i>ACS Omega</i> , 2020, 5, 13984-13993.	1.6	13
1024	Twofold Interpenetrated 2D MOF Nanosheets Generated by an Instant In Situ Exfoliation Method: Morphology Control and Fluorescent Sensing. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000813.	1.9	33
1025	Two 2-fold interpenetrating three-dimensional coordination polymers based on two-fold deprotonated 5-((3-carboxyphenoxy)methyl)benzene-1,3-dioic acid and 1,4-bis((1H-imidazol-1-yl)methyl)benzene: Syntheses, structures and properties. <i>Inorganica Chimica Acta</i> , 2020, 511, 119802.	1.2	4
1026	Syntheses, characterization, and slow magnetic relaxation or luminescence properties of three new 2D coordination polymers. <i>Journal of Molecular Structure</i> , 2020, 1219, 128613.	1.8	6
1027	Bispecific T-cell engager (BiTE) immunotherapy of ovarian cancer based on MIL-88A MOF/MC gene delivery system. <i>Applied Materials Today</i> , 2020, 20, 100701.	2.3	13
1028	A highly selective and sensitive bifunctional luminescent sensor for TNP and Iron ion based on magnesium coordination polymer. <i>Inorganica Chimica Acta</i> , 2020, 511, 119836.	1.2	9
1029	A fluorometric metal-organic framework oxygen sensor: from sensitive powder to portable optical fiber device. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110396.	2.2	24

#	ARTICLE	IF	CITATIONS
1030	Self-assembly of three-dimensional oxalate-bridged alkali(<i>i</i>) lanthanide(<i>iii</i>) heterometal-organic frameworks. <i>CrystEngComm</i> , 2020, 22, 4833-4841.	1.3	6
1031	Synthesis, Crystal Structures and Luminescent Properties of Zn(II)/Cd(II) Metal-Organic Frameworks Constructed by 1,4-Benzenedicarboxylic Acid and 4,4-(2,5-Difluoro-1,4-phenylene)dipyridine. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4289-4296.	1.9	6
1032	Dual-emissive metal-organic framework: a novel turn-on and ratiometric fluorescent sensor for highly efficient and specific detection of hypochlorite. <i>Dalton Transactions</i> , 2020, 49, 9680-9687.	1.6	25
1033	Scandium Metal-Organic Frameworks Containing Tetracarboxylate Linker Molecules: Synthesis, Structural Relationships, and Properties. <i>Crystal Growth and Design</i> , 2020, 20, 4686-4694.	1.4	18
1034	Magnetic and Photoluminescent Sensors Based on Metal-Organic Frameworks Built up from 2-aminoisonicotinate. <i>Scientific Reports</i> , 2020, 10, 8843.	1.6	14
1035	Post-synthetic modification of a metal-organic framework with a chemodosimeter for the rapid detection of lethal cyanide <i>via</i> dual emission. <i>Dalton Transactions</i> , 2020, 49, 8684-8692.	1.6	32
1036	Highly Stable Lanthanide Metal-Organic Framework as an Internal Calibrated Luminescent Sensor for Glutamic Acid, a Neuropathy Biomarker. <i>Inorganic Chemistry</i> , 2020, 59, 8809-8817.	1.9	45
1037	Synthesis of Hierarchically Porous HKUST-1 MOF: Use of C ₁₄ , a Cationic Gemini Surfactant, as Soft-Template ⁺ . <i>ChemistrySelect</i> , 2020, 5, 6453-6469.	0.7	5
1038	Electroluminescent Guest@MOF Nanoparticles for Thin Film Optoelectronics and Solid-State Lighting. <i>Advanced Optical Materials</i> , 2020, 8, 2000670.	3.6	31
1039	A Scandium MOF with an Unprecedented Inorganic Building Unit, Delimiting the Micropore Windows. <i>Inorganic Chemistry</i> , 2020, 59, 8995-9004.	1.9	11
1040	Unravelling the true MOF-5 luminescence. <i>RSC Advances</i> , 2020, 10, 18418-18422.	1.7	15
1041	A Thermodynamically Stable 2D Nickel Metal-Organic Framework over a Wide pH Range with Scalable Preparation for Efficient C ₂ s over C ₁ Hydrocarbon Separations. <i>Chemistry - A European Journal</i> , 2020, 26, 12624-12631.	1.7	28
1042	Sensing mechanism elucidation of a europium(<i>III</i>) metal-organic framework selective to aniline: A theoretical insight by means of multiconfigurational calculations. <i>Journal of Computational Chemistry</i> , 2020, 41, 1956-1964.	1.5	24
1043	Dithiooxalato-bridged Nickel Coordination Polymers: Synthesis and Structures. <i>Chemistry Letters</i> , 2020, 49, 1050-1052.	0.7	1
1044	Functional metal-organic frameworks constructed from triphenylamine-based polycarboxylate ligands. <i>Coordination Chemistry Reviews</i> , 2020, 420, 213354.	9.5	57
1045	Recent advances in the shaping of metal-organic frameworks. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2840-2866.	3.0	88
1046	Advances in luminescent metal-organic framework sensors based on post-synthetic modification. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115939.	5.8	80
1047	Two Novel Lanthanide Metal-Organic Frameworks: Selective Luminescent Sensing for Nitrobenzene, Cu ²⁺ , and MnO ₄ ⁻ . <i>Crystal Growth and Design</i> , 2020, 20, 5225-5234.	1.4	64

#	ARTICLE	IF	CITATIONS
1048	Biocompatible Direct Deposition of Functionalized Nanoparticles Using Shrinking Surface Plasmonic Bubble. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000597.	1.9	14
1049	In Situ Monitoring of Particle Formation with Spectroscopic and Analytical Techniques Under Solvothermal Conditions. <i>Chemical Engineering and Technology</i> , 2020, 43, 879-886.	0.9	3
1050	Seawater Desalination Using MOF-Incorporated Cu-Based Alginate Beads without Energy Consumption. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16319-16326.	4.0	48
1051	“French fries”-like luminescent metal organic frameworks for the fluorescence determination of cytochrome c released by apoptotic cells and screening of anticancer drug activity. <i>Mikrochimica Acta</i> , 2020, 187, 221.	2.5	12
1052	Nanocable catalysts MTe (M = Pt, PtCu)@UIO-67 for CO ₂ conversion. <i>Science China Materials</i> , 2020, 63, 769-778.	3.5	12
1053	Solvent triggering structural changes for two terbium-based metal-organic frameworks and their photoluminescence sensing. <i>Chemical Communications</i> , 2020, 56, 4320-4323.	2.2	28
1054	Supramolecular assemblies based on Fe ₈ L ₁₂ cubic metal-organic cages: synergistic adsorption and spin-crossover properties. <i>Dalton Transactions</i> , 2020, 49, 4220-4224.	1.6	9
1055	Programmable and Reversible Regulation of Catalytic Hemin@MOFs Activities with DNA Structures. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 301-306.	1.3	7
1056	Photocatalytic CO ₂ reduction over metal-organic framework-based materials. <i>Coordination Chemistry Reviews</i> , 2020, 412, 213262.	9.5	401
1057	Three coordination polymers with regulated coordination interactions as fluorescent sensors for monitoring purine metabolite uric acid. <i>Dalton Transactions</i> , 2020, 49, 4343-4351.	1.6	14
1058	Dual-emitting barium based metal-organic nanosheets as a potential sensor for temperature and anthrax biomarkers. <i>Nanotechnology</i> , 2020, 31, 245706.	1.3	16
1059	Aggregation-Induced Emission and Retention of Crystal Chiral Information of Tetraphenylethylene Incorporated by Polysaccharides in Water. <i>ChemPhotoChem</i> , 2020, 4, 577-581.	1.5	10
1060	A metal-organic frameworks@ carbon nanotubes based electrochemical sensor for highly sensitive and selective determination of ascorbic acid. <i>Journal of Molecular Structure</i> , 2020, 1209, 127986.	1.8	38
1061	Single Bimetallic Lanthanide-Based Metal-Organic Frameworks for Visual Decoding of a Broad Spectrum of Molecules. <i>Analytical Chemistry</i> , 2020, 92, 5500-5508.	3.2	35
1062	The Role of f-Orbital Interactions in Eu(III) Complexes for an Effective Molecular Luminescent Thermometer. <i>Inorganic Chemistry</i> , 2020, 59, 5865-5871.	1.9	24
1063	Multi-functional lanthanide-CPs based on tricarboxylphenyl terpyridyl ligand as ratiometric luminescent thermometer and highly sensitive ion sensor with turn on/off effect. <i>Dalton Transactions</i> , 2020, 49, 4741-4750.	1.6	45
1064	Turn-on fluorescence in a stable Cd(II) metal-organic framework for highly sensitive detection of Cr ³⁺ in water. <i>Dyes and Pigments</i> , 2020, 178, 108359.	2.0	23
1065	Fabrication of NH ₂ -MIL-125 nanocrystals for high performance photocatalytic oxidation. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2823-2830.	2.5	27

#	ARTICLE	IF	CITATIONS
1066	Correlating Pressure-Induced Emission Modulation with Linker Rotation in a Photoluminescent MOF. <i>Angewandte Chemie</i> , 2020, 132, 8195-8199.	1.6	10
1067	Recent Progress on Luminescent Metal-Organic Framework-Involved Hybrid Materials for Rapid Determination of Contaminants in Environment and Food. <i>Polymers</i> , 2020, 12, 691.	2.0	46
1068	Metal-Organic Framework Thin Films: Fabrication, Modification, and Patterning. <i>Processes</i> , 2020, 8, 377.	1.3	31
1069	Synthesis, crystal structure, and optical properties of fluorinated poly(pyrazole) ligands and <i>in silico</i> assessment of their affinity for volatile organic compounds. <i>New Journal of Chemistry</i> , 2020, 44, 6443-6455.	1.4	7
1070	Lanthanide organic/inorganic hybrid systems: Efficient sensors for fluorescence detection. <i>Dyes and Pigments</i> , 2020, 178, 108386.	2.0	28
1071	A 3D cadmium(II) coordination polymer based on rigid ligand 1-tetrazole-4-imidazole-benzene: Solvothermal synthesis, crystal structure and tunable luminescent emissions. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107887.	1.8	2
1072	Two copper (II) complexes based on different copper salts, 1,3-benzenedicarboxylic acid and 1,4-di(imidazolidin-1-yl) benzene and their fluorescence recognition to nitrobenzene derivatives. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121334.	1.4	4
1073	High-Performance Metal-Organic Framework-Templated Sorbent for Selective Eu(III) Capture. <i>ACS Omega</i> , 2020, 5, 7392-7398.	1.6	7
1074	Luminescent metal-organic frameworks (LMOFs) as potential probes for the recognition of cationic water pollutants. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1801-1821.	3.0	126
1075	Photocatalytic Reduction and Recognition of Cr(VI): New Zn(II)-Based Metal-Organic Framework as Catalytic Surface. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 8538-8550.	1.8	63
1076	Electrochemical deposition of metal-organic framework films and their applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7569-7587.	5.2	126
1077	Water-stable Ln ^{III} -based coordination polymers displaying slow magnetic relaxation and luminescence sensing properties. <i>New Journal of Chemistry</i> , 2020, 44, 6747-6759.	1.4	15
1078	Post-synthetic modification of porous materials: superprotonic conductivities and membrane applications in fuel cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7474-7494.	5.2	122
1079	Correlating Pressure-Induced Emission Modulation with Linker Rotation in a Photoluminescent MOF. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8118-8122.	7.2	30
1080	Porphyrin-based metal-organic framework and polyvinylchloride composites for fluorescence sensing of divalent cadmium ions in water. <i>Inorganic Chemistry Communication</i> , 2020, 115, 107861.	1.8	24
1081	Multiresponsive Luminescent Sensitivities of a 3D Cd-CP with Visual Turn-on and Ratiometric Sensing toward Al ³⁺ and Cr ³⁺ as Well as Turn-off Sensing toward Fe ³⁺ . <i>Inorganic Chemistry</i> , 2020, 59, 3828-3837.	1.9	94
1082	MOF-derived ZnCo ₂ O ₄ porous micro-rice with enhanced electro-catalytic activity for the oxygen evolution reaction and glucose oxidation. <i>RSC Advances</i> , 2020, 10, 9063-9069.	1.7	34
1083	Towards complete elucidation of structural factors controlling thermal stability of IL/MOF composites: effects of ligand functionalization on MOFs. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 484001.	0.7	8

#	ARTICLE	IF	CITATIONS
1084	Femto- to Millisecond Time-Resolved Photodynamics of a Double-Functionalized Push-Pull Organic Linker: Potential Candidate for Optoelectronically Active MOFs. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4366.	1.8	4
1086	A series of coordination polymers based on 2,6-pyridinedicarboxylic acid ligand: Synthesis, crystal structures, photo-catalysis and fluorescent sensing. <i>Journal of Solid State Chemistry</i> , 2020, 290, 121549.	1.4	10
1087	A cationic Zr-based metal organic framework with enhanced acidic resistance for selective and efficient removal of CrO ₄ ²⁻ . <i>New Journal of Chemistry</i> , 2020, 44, 12646-12653.	1.4	11
1088	Machine learning and high-throughput computational screening of hydrophobic metal-organic frameworks for capture of formaldehyde from air. <i>Green Energy and Environment</i> , 2021, 6, 759-770.	4.7	35
1089	Zn-MOFs based luminescent sensors for selective and highly sensitive detection of Fe ³⁺ and tetracycline antibiotic. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 188, 113444.	1.4	32
1090	A New Multifunctional Zinc-Organic Framework with Rare Interpenetrated Tripillared Bilayers as a Luminescent Probe for Detecting Ni ²⁺ and PO ₄ ³⁻ in Water. <i>Crystal Growth and Design</i> , 2020, 20, 5120-5128.	1.4	35
1091	Designer Metal-Organic Frameworks for Size-Exclusion-Based Hydrocarbon Separations: Progress and Challenges. <i>Advanced Materials</i> , 2020, 32, e2002603.	11.1	182
1092	Electron transfer in the confined environments of metal-organic coordination supramolecular systems. <i>Chemical Society Reviews</i> , 2020, 49, 5561-5600.	18.7	75
1093	Selective sensing of aliphatic biogenic polyamines by a zwitterionic Cd-MOF based on bisimidazole tetracarboxylic acid linker. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11449-11456.	2.7	21
1094	The marriage of metal-organic frameworks and silica materials for advanced applications. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213442.	9.5	52
1095	Novel hollow beads of carboxymethyl cellulose/ZSM-5/ZIF-8 for dye removal from aqueous solution in batch and continuous fixed bed systems. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1140-1152.	3.6	46
1096	New Microporous Lanthanide Organic Frameworks. Synthesis, Structure, Luminescence, Sorption, and Catalytic Acylation of 2-Naphthol. <i>Molecules</i> , 2020, 25, 3055.	1.7	12
1097	Structural diversities of a series of Zn(II)/Cd(II) coordination polymers constructed via dual-ligand strategy of D-(+)-camphoric acid and pyridine-based ligand. <i>Journal of Molecular Structure</i> , 2020, 1218, 128482.	1.8	15
1098	Energy-based descriptors for photo-catalytically active metal-organic framework discovery. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4473-4482.	5.2	24
1099	Water-Stable Lanthanide Coordination Polymers with Triple Luminescent Centers for Tunable Emission and Efficient Self-Calibration Sensing Wastewater Pollutants. <i>Advanced Optical Materials</i> , 2020, 8, 1901659.	3.6	27
1100	Metal-organic framework-based materials as an emerging platform for advanced electrochemical sensing. <i>Coordination Chemistry Reviews</i> , 2020, 410, 213222.	9.5	321
1101	The crucial roles of guest water in a biocompatible coordination network in the catalytic ring-opening polymerization of cyclic esters: a new mechanistic perspective. <i>Chemical Science</i> , 2020, 11, 3345-3354.	3.7	11
1102	The development of two fluorescent chemosensors for the selective detection of Zn ²⁺ and Al ³⁺ ions in a quinoline platform by tuning the substituents in the receptor part: elucidation of the structures of the metal-bound chemosensors and biological studies. <i>Dalton Transactions</i> , 2020, 49, 4758-4773.	1.6	41

#	ARTICLE	IF	CITATIONS
1103	Synthesis of two new Cd(II)-MOFs based on different secondary building units with highly selective gas sorption for CO ₂ /CH ₄ and luminescent sensor for Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions. <i>Journal of Solid State Chemistry</i> , 2020, 285, 121258.	1.4	10
1104	Dramatic luminescence signal from a Co(II)-based metal-organic compound due to the construction of charge-transfer bands with Al ³⁺ and Fe ³⁺ ions in water: steady-state and time-resolved spectroscopic studies. <i>New Journal of Chemistry</i> , 2020, 44, 4376-4385.	1.4	6
1105	Discrimination of Various Amine Vapors by a Triemissive Metal-Organic Framework Composite via the Combination of a Three-Dimensional Ratiometric Approach and a Confinement-Induced Enhancement Effect. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12043-12053.	4.0	38
1106	<i>In situ</i> Raman and FTIR spectroscopic study on the formation of the isomers MIL-68(Al) and MIL-53(Al). <i>RSC Advances</i> , 2020, 10, 7336-7348.	1.7	48
1107	Ratiometric fluorescence detection of anthrax biomarker 2,6-dipicolinic acid using hetero MOF sensors through ligand regulation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4392-4400.	2.7	72
1108	Constructions of new luminescent 3D porous MOFs with high stability, unique selectivity and low detection limits for various ions in aqueous solution. <i>Journal of Solid State Chemistry</i> , 2020, 285, 121270.	1.4	15
1109	Structural Diversity of Copper(I) Cluster-Based Coordination Polymers with Pyrazine-2-thiol Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 2680-2688.	1.9	39
1110	Resorcin[4]arene-based cadmium(II) coordination polymers for efficient luminescent detection of Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions. <i>Inorganic Chemistry Communication</i> , 2020, 114, 107847.	1.8	6
1111	Luminescence turn-on detection by an entanglement-protected MOF operating <i>via</i> a divided receptor-transducer protocol. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3622-3625.	2.7	18
1112	The Chemistry of Reticular Framework Nanoparticles: MOF, ZIF, and COF Materials. <i>Advanced Functional Materials</i> , 2020, 30, 1909062.	7.8	174
1113	Tetra-carboxylic acid based metal-organic framework as a high-performance bifunctional electrocatalyst for HER and OER. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 11077-11088.	3.8	46
1114	Green synthesis of hierarchically porous Cu- and Zn-MOFs by the combined action of hydroxy double salt and surfactant: An ultrafast method. <i>Materials Today: Proceedings</i> , 2020, 25, 230-235.	0.9	2
1115	An Electroactive Zinc-based Metal-Organic Framework: Bifunctional Fluorescent Quenching Behavior and Direct Observation of Nitrobenzene. <i>Inorganic Chemistry</i> , 2020, 59, 2997-3003.	1.9	20
1116	Pore-Functionalized and Hydrolytically Robust Cd(II)-Metal-Organic Framework for Highly Selective, Multicyclic CO ₂ Adsorption and Fast-Responsive Luminescent Monitoring of Fe(III) and Cr(VI) Ions with Notable Sensitivity and Reusability. <i>Inorganic Chemistry</i> , 2020, 59, 3012-3025.	1.9	90
1117	Assembly of four new cobalt coordination polymers modulated by N-coligands: sensitive and selective sensing of nitroaromatics, Fe ³⁺ and Cr ₂ O ₇ ²⁻ in water. <i>CrystEngComm</i> , 2020, 22, 1789-1801.	1.3	17
1118	A Zn-based coordination polymer as a luminescent sensor for simple and sensitive detecting of sulfonamides antibiotics and nitroaromatic. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121247.	1.4	12
1119	Integrated outstanding precision and mechanical performance of transparent 3D photonic crystal devices employing cross-linked nanospheres <i>via</i> thermoforming in a rubbery state. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2993-2999.	2.7	6
1120	Synthese, structure and photocatalytic properties of a new two-dimensional polymer based on 4,4'-bis(2-methylimidazol-1-yl)diphenyl ether and 5-tert-butyl isophthalic acid. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 303-308.	0.9	1

#	ARTICLE	IF	CITATIONS
1121	Synthesis and Structures of Four Metal-Organic Coordination Compounds with Isomeric Tripodal Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 241-247.	0.6	0
1122	High Electrical Conductivity in a 2D MOF with Intrinsic Superprotonic Conduction and Interfacial Pseudo-capacitance. <i>Matter</i> , 2020, 2, 711-722.	5.0	115
1123	Luminescent MOF crystals embedded in PMMA/PDMS transparent films as effective NO ₂ gas sensors. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1048-1056.	1.7	34
1124	Interdigitated conducting tetrathiafulvalene-based coordination networks. <i>Chemical Communications</i> , 2020, 56, 2407-2410.	2.2	14
1125	A magnetic nanoscale metal-organic framework (MNMOF) as a viable fluorescence quencher material for ssDNA and for the detection of mercury ions <i>via</i> a novel quenching-quenching mechanism. <i>RSC Advances</i> , 2020, 10, 3705-3714.	1.7	20
1126	Metal-organic frameworks as a platform for clean energy applications. <i>EnergyChem</i> , 2020, 2, 100027.	10.1	530
1127	A Water-Stable Lanthanide Coordination Polymer as Multicenter Platform for Ratiometric Luminescent Sensing Antibiotics. <i>Chemistry - A European Journal</i> , 2020, 26, 3137-3144.	1.7	72
1128	State of the Art in Alcohol Sensing with 2D Materials. <i>Nano-Micro Letters</i> , 2020, 12, 33.	14.4	41
1129	A dual-functional metal phosphate for high proton conduction and selective luminescence turn-on sensing of Co ²⁺ ions. <i>CrystEngComm</i> , 2020, 22, 2013-2019.	1.3	8
1130	Sensing organic analytes by metal-organic frameworks: a new way of considering the topic. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1598-1632.	3.0	253
1131	Formation and Encapsulation of Lead Halide Perovskites in Lanthanide Metal-Organic Frameworks for Tunable Emission. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9851-9857.	4.0	34
1132	A heat-set lanthanide metallogel capable of emitting stable luminescence under thermal, mechanical and water stimuli. <i>Dalton Transactions</i> , 2020, 49, 2827-2832.	1.6	12
1133	Micro or nano: Evaluation of biosafety and biopotency of magnesium metal organic framework-74 with different particle sizes. <i>Nano Research</i> , 2020, 13, 511-526.	5.8	45
1134	Hydrophobic Metal-Organic Frameworks: Assessment, Construction, and Diverse Applications. <i>Advanced Science</i> , 2020, 7, 1901758.	5.6	136
1135	Comparative studies of methyl orange adsorption in various metal-organic frameworks by nitrogen adsorption and positron annihilation lifetime spectroscopy. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 109993.	2.2	23
1136	A ratiometric electrochemical sensor for simultaneous detection of multiple heavy metal ions based on ferrocene-functionalized metal-organic framework. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127756.	4.0	133
1137	Applications of metal-organic framework-derived materials in fuel cells and metal-air batteries. <i>Coordination Chemistry Reviews</i> , 2020, 409, 213214.	9.5	182
1138	Rational design and synthesis of a stable pillar-layer Ni-organic framework as a multi-responsive luminescent sensor in aqueous solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118106.	2.0	7

#	ARTICLE	IF	CITATIONS
1139	A Sm(III) Coordination Polymer Containing 2,5-Furandicarboxylic Acid: Crystal Structure and Recognition of Oxalate in Water. <i>Crystallography Reports</i> , 2020, 65, 78-83.	0.1	0
1140	Advances in Metal-Organic Frameworks for Acetylene Storage. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2303-2311.	1.0	16
1141	Improving the Cd ²⁺ detection capability of a new anionic rare earth metal-organic framework based on a [RE ₆ ($\frac{1}{4}$ 3-OH) ₈] ₁₀₊ secondary building unit: an ion-exchange approach towards more efficient sensors. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 1077-1087.	1.7	8
1142	Open metal site (OMS) and Lewis basic site (LBS)-functionalized copper-organic framework with high CO ₂ uptake performance and highly selective CO ₂ /N ₂ and CO ₂ /CH ₄ separation. <i>CrystEngComm</i> , 2020, 22, 3378-3384.	1.3	6
1143	Metal-Organic Framework Nanocarriers for Drug Delivery in Biomedical Applications. <i>Nano-Micro Letters</i> , 2020, 12, 103.	14.4	363
1144	Transitional MOFs: Exposing Metal Sites with Porosity for Enhancing Catalytic Reaction Performance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23968-23975.	4.0	20
1145	A tubular luminescent framework: precise decoding of nitroaniline isomers and quantitative detection of traces of benzaldehyde in benzyl alcohol. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9828-9835.	2.7	12
1146	Two sulfone-functionalized Zn(II)-coordination polymers as luminescent sensors for sensitive and rapid detection of nitrofurans antibiotics. <i>Journal of Solid State Chemistry</i> , 2020, 286, 121318.	1.4	15
1147	Chiral Cu _x OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020, 32, e1906580.	11.1	59
1148	Four new metal-organic frameworks based on diverse metal clusters: Syntheses, structures, luminescent sensing and dye adsorption properties. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121336.	1.4	10
1149	FeCo-based hybrid MOF derived active species for effective oxygen evolution. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 185-191.	1.8	40
1150	MOF@COFs with Strong Multiemission for Differentiation and Ratiometric Fluorescence Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20973-20981.	4.0	94
1151	Controlling the morphology of metal-organic frameworks and porous carbon materials: metal oxides as primary architecture-directing agents. <i>Chemical Society Reviews</i> , 2020, 49, 3348-3422.	18.7	190
1152	The templating effect of 1,2-cyclohexanediamine configuration on iodoplumbate organic-inorganic hybrid structures. <i>Journal of Coordination Chemistry</i> , 2020, 73, 417-428.	0.8	5
1153	Coordination Polymers Based on a Biphenyl Tetraphosphonate Linker: Synthesis Control and Photoluminescence. <i>Molecules</i> , 2020, 25, 1835.	1.7	0
1154	Molecular Tuning Nanoarchitectonics for Molecular Recognition and Molecular Manipulation. <i>ChemNanoMat</i> , 2020, 6, 870-880.	1.5	25
1155	Water Stable Heterometallic Zn-Tb Coordination Polymer for Rapid Detection of the Ultraviolet Filter Benzophenone. <i>Inorganic Chemistry</i> , 2020, 59, 6729-6735.	1.9	32
1156	A novel sustainable metal organic framework as the ultimate aqueous phase sensor for natural hazards: detection of nitrobenzene and F ⁺ at the ppb level and rapid and selective adsorption of methylene blue. <i>CrystEngComm</i> , 2020, 22, 3891-3909.	1.3	50

#	ARTICLE	IF	CITATIONS
1157	Dual-responsive luminescent sensors based on two Cd-MOFs: rare enhancement toward acac and quenching toward Cr ₂ O ₇ ²⁻ . CrystEngComm, 2020, 22, 3759-3767.	1.3	40
1158	2D Porous Polymers with sp ² -Carbon Connections and Sole sp ² -Carbon Skeletons. Advanced Functional Materials, 2020, 30, 2000857.	7.8	42
1159	Structure Engineering of a Lanthanide-Based Metal-Organic Framework for the Regulation of Dynamic Ranges and Sensitivities for Pheochromocytoma Diagnosis. Advanced Materials, 2020, 32, e2000791.	11.1	33
1160	Highly Selective and Stable Zn (II)-Based Metal-Organic Frameworks for the Detections of Tetracycline Antibiotic and Acetone in Aqueous System. Applied Organometallic Chemistry, 2020, 34, e5518.	1.7	27
1161	New Scandium-containing Coordination Polymers with Linear Linker Molecules: Crystal Structures and Luminescence Properties. European Journal of Inorganic Chemistry, 2020, 2020, 2737-2743.	1.0	5
1162	A Highly Water-Stable <i>i</i> -Carborane-Based Copper Metal-Organic Framework for Efficient High-Temperature Butanol Separation. Journal of the American Chemical Society, 2020, 142, 8299-8311.	6.6	54
1163	Bimetallic metal-organic frameworks and their derivatives. Chemical Science, 2020, 11, 5369-5403.	3.7	285
1164	A water-stable terbium metal-organic framework with functionalized ligands for the detection of Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions in water and picric acid in seawater. CrystEngComm, 2020, 22, 3638-3643.	1.3	42
1165	Two Closely Related Zn(II)-MOFs for Their Large Difference in CO ₂ Uptake Capacities and Selective CO ₂ Sorption. Inorganic Chemistry, 2020, 59, 7056-7066.	1.9	35
1166	Lanthanide 5,7-Disulfonate-1,4-naphthalenedicarboxylate Frameworks Constructed from Trinuclear and Tetranuclear Lanthanide Carboxylate Clusters: Proton Conduction and Selective Fluorescent Sensing of Fe ³⁺ . Inorganic Chemistry, 2020, 59, 7265-7273.	1.9	25
1167	Electroactive Organic Building Blocks for the Chemical Design of Functional Porous Frameworks (MOFs and COFs) in Electronics. Chemistry - A European Journal, 2020, 26, 10912-10935.	1.7	53
1168	Conversion of Fluorescence Signals into Optical Fingerprints Realizing High-Throughput Discrimination of Anionic Sulfonate Surfactants with Similar Structure Based on a Statistical Strategy and Luminescent Metal-Organic Frameworks. Analytical Chemistry, 2020, 92, 7273-7281.	3.2	31
1169	Temperature-Dependent Emission and Turn-Off Fluorescence Sensing of Hazardous <i>Quat</i> -Herbicides in Water by a Zn-MOF Based on a Semi-Rigid Dibenzochrysene Tetraacetic Acid Linker. Inorganic Chemistry, 2020, 59, 6202-6213.	1.9	47
1170	Fluorometric detection of iodine by MIL-53(Al)-TDC. Dalton Transactions, 2020, 49, 6572-6577.	1.6	19
1171	A smartphone-based quantitative point-of-care testing (POCT) system for simultaneous detection of multiple heavy metal ions. Chemical Engineering Journal, 2020, 394, 124966.	6.6	96
1172	Metal ion detection using luminescent-MOFs: Principles, strategies and roadmap. Coordination Chemistry Reviews, 2020, 415, 213299.	9.5	158
1173	Practical MOF Nanoarchitectonics: New Strategies for Enhancing the Processability of MOFs for Practical Applications. Langmuir, 2020, 36, 4231-4249.	1.6	86
1174	Selective chemochromic and chemically-induced photochromic response of a metal-organic framework. Chemical Communications, 2020, 56, 5929-5932.	2.2	35

#	ARTICLE	IF	CITATIONS
1175	Design of fluorescent sensors based on azaheterocyclic push-pull systems towards nitroaromatic explosives and related compounds: A review. <i>Dyes and Pigments</i> , 2020, 180, 108414.	2.0	89
1176	Cationic Metal-Organic Frameworks Based on Linear Zwitterionic Ligands for Cr ₂ O ₇ ²⁻ and Ammonia Sensing. <i>Crystal Growth and Design</i> , 2020, 20, 3466-3473.	1.4	44
1177	A feasible linker transformation strategy towards the formation of Cu ₂ O nanoparticles for immobilization in hierarchical CuBTC for adsorption desulfurization. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8678-8683.	5.2	30
1178	An Unusual Luminescent Mo/S/Cu Cluster-Based Metal-Organic Framework for Efficient Detection of TNP. <i>Journal of Cluster Science</i> , 2021, 32, 279-285.	1.7	2
1179	Synthesis, Structure and Luminescent Property of a 3D Layered-Pillared Cd(II) Metal-Organic Framework Derived from Mixed Rigid and Flexible Ligands. <i>Journal of Chemical Crystallography</i> , 2021, 51, 50-56.	0.5	0
1180	Mn ₂ Cl ₄ Cluster Based Two-Dimensional Coordination Polymer for Dichromate Sensing Property. <i>Journal of Cluster Science</i> , 2021, 32, 235-241.	1.7	0
1181	Heterometallic One-Dimensional Tetranuclear Cu-Na Cluster-Based Polymers: Room Temperature Synthesis, Structures, and Properties. <i>Journal of Cluster Science</i> , 2021, 32, 499-505.	1.7	1
1182	Geometry-Directed Self-Assembly of Polymeric Molecular Frameworks. <i>Angewandte Chemie</i> , 2021, 133, 2052-2057.	1.6	1
1183	Cd-Based Metal-Organic Framework for Selective Turn-On Fluorescent DMSO Residual Sensing. <i>Chemistry - A European Journal</i> , 2021, 27, 3753-3760.	1.7	12
1184	Dual-functionalization actuated trimodal attribute in an ultra-robust MOF: exceptionally selective capture and effectual fixation of CO ₂ with fast-responsive, nanomolar detection of assorted organo-contaminants in water. <i>Materials Chemistry Frontiers</i> , 2021, 5, 979-994.	3.2	50
1185	Turn-on fluorescent probes based on Rhodamine B/amino acid derivatives for detection of Fe ³⁺ in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119095.	2.0	10
1186	Insights into the Capacity and Rate Performance of Transition-Metal Coordination Compounds for Reversible Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4142-4149.	7.2	35
1187	Recent advances in naphthalenediimide-based metal-organic frameworks: Structures and applications. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213665.	9.5	65
1188	A highly sensitive and selective turn-off fluorescence sensor for Fe ³⁺ detection based on a terbium metal-organic framework. <i>Journal of Solid State Chemistry</i> , 2021, 294, 121835.	1.4	36
1189	Effect of pyridyl donors from organic ligands <i>versus</i> metalloligands on material design. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1334-1373.	3.0	18
1190	Hierarchical assemblies of molecular frameworks-MOF-on-MOF epitaxial heterostructures. <i>Nano Research</i> , 2021, 14, 355-368.	5.8	58
1191	Structural diversity and photoluminescent properties of two zinc coordination polymers based on 5- <i>i</i> -propoxyisophthalate and flexible N-donor ligands. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 485-491.	0.9	0
1192	Charge transfer complexes: Emerging and promising colorimetric real-time chemosensors for hazardous materials. <i>Journal of Hazardous Materials</i> , 2021, 403, 123537.	6.5	54

#	ARTICLE	IF	CITATIONS
1193	Near-infrared luminescent Nd ³⁺ /Yb ³⁺ -codoped metal-organic framework for ratiometric temperature sensing in physiological range. <i>Journal of Rare Earths</i> , 2021, 39, 1024-1030.	2.5	18
1194	Porphyrinylphosphonate-Based Metal-Organic Framework: Tuning Proton Conductivity by Ligand Design. <i>Chemistry - A European Journal</i> , 2021, 27, 1598-1602.	1.7	16
1195	Recent progress on metal-organic framework-derived porous carbon and its composite for pollutant adsorption from liquid phase. <i>Chemical Engineering Journal</i> , 2021, 405, 126960.	6.6	137
1196	Two-channel responsive luminescent chemosensors for dioxygen species: Molecular oxygen, singlet oxygen and superoxide anion. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213575.	9.5	36
1197	Multi-dimensional ZnO@MWCNTs assembly derived from MOF-5 heterojunction as highly efficient microwave absorber. <i>Carbon</i> , 2021, 172, 15-25.	5.4	59
1198	Nonlinear optical metal-organic frameworks for ratiometric temperature sensing in physiological range. <i>Chinese Chemical Letters</i> , 2021, 32, 1511-1514.	4.8	24
1199	Integrating peroxidase-mimicking activity with photoluminescence into one framework structure for high-performance ratiometric fluorescent pesticide sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129024.	4.0	41
1200	Synergistic Size Effect of MOF Cavity/Encapsulated Luminescent Modules Significantly Boosts Nitro-Aromatic Vapors Distinction via a Three-Dimensional Ratiometric Sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129025.	4.0	7
1201	Three Co/Ni(II)-MOFs with dinuclear metal units constructed by biphenyl-3,3'-di(2,5-dimethyl-1,4-phenylene)-5,5'-dicarboxylic acid and N-donor ligands: Synthesis, structures, and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121706.	1.4	7
1202	Luminescent sensors based on coordination polymers with adjustable emissions for detecting biomarker of pollutant ethylbenzene and styrene. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	1.7	9
1203	A binuclear chloride bridged Cu(II) and a mononuclear Ni(II) complex: Synthesis, crystal structure, photo catalytic and biological studies. <i>Inorganica Chimica Acta</i> , 2021, 515, 120067.	1.2	12
1204	Structural modulation of the photophysical and electronic properties of pyrene-based 3D metal-organic frameworks derived from s-block metals. <i>CrystEngComm</i> , 2021, 23, 82-90.	1.3	3
1205	Enhanced acetone sensing from Zn(II)-MOFs comprising tetranuclear metal clusters built with EDC and BDC ligands. <i>Inorganic Chemistry Communication</i> , 2021, 123, 108339.	1.8	4
1206	Environmental pollution analysis based on the luminescent metal organic frameworks: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116131.	5.8	45
1207	BN-Doped Metal-Organic Frameworks: Tailoring 2D and 3D Porous Architectures through Molecular Editing of Borazines. <i>Chemistry - A European Journal</i> , 2021, 27, 4124-4133.	1.7	8
1208	Ultrasensitive, rapid and selective sensing of hazardous fluoride ion in aqueous solution using a zirconium porphyrinic luminescent metal-organic framework. <i>Analytica Chimica Acta</i> , 2021, 1145, 95-102.	2.6	19
1209	Variability in the Formation and Framework Polymorphism of Metal-Organic Frameworks based on Yttrium(III) and the Bifunctional Organic Linker 2,5-Dihydroxyterephthalic Acid. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 15-25.	0.6	1
1210	Trinuclear iron cluster and layered manganese complexes based on indolecarboxylic acid showing magnetic and antibacterial properties. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108381.	1.8	6

#	ARTICLE	IF	CITATIONS
1211	Insights into the Capacity and Rate Performance of Transition-Metal Coordination Compounds for Reversible Lithium Storage. <i>Angewandte Chemie</i> , 2021, 133, 4188-4195.	1.6	2
1212	Biosensors based on fluorescence carbon nanomaterials for detection of pesticides. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116126.	5.8	121
1213	Critical Aspects of Metal-Organic Framework-Based Materials for Solar-Driven CO ₂ Reduction into Valuable Fuels. <i>Global Challenges</i> , 2021, 5, 2000082.	1.8	9
1214	Smart recycling of PET to sorbents for insecticides through in situ MOF growth. <i>Applied Materials Today</i> , 2021, 22, 100910.	2.3	17
1215	Applications of reticular diversity in metal-organic frameworks: An ever-evolving state of the art. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213655.	9.5	56
1216	Ratiometric fluorescence detection of tetracycline antibiotic based on a polynuclear lanthanide metal-organic framework. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129314.	4.0	79
1217	Coordination polymers from an unexplored biphenyl-tricarboxylate linker: hydrothermal synthesis, structural traits and catalytic cyanosilylation. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1229-1242.	3.0	15
1218	Design and Property Modulation of Metal-Organic Frameworks with Aggregation-Induced Emission. , 2021, 3, 77-89.		73
1219	Fabrication of ultrathin single-layer 2D metal-organic framework nanosheets with excellent adsorption performance via a facile exfoliation approach. <i>Journal of Materials Chemistry A</i> , 2021, 9, 546-555.	5.2	55
1220	Bioresponsive metal-organic frameworks: Rational design and function. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213682.	9.5	17
1221	Application of Metal-Organic Frameworks in Adsorptive Removal of Organic Contaminants from Water, Fuel and Air. <i>Chemistry - an Asian Journal</i> , 2021, 16, 185-196.	1.7	31
1222	Multi-responsive luminescent sensors of two water-stable polynuclear Cd organic frameworks: Synthesis, structures and sensing of tetracycline, Cr ^{2O7²⁻} and Fe ³⁺ ions in water. <i>Microchemical Journal</i> , 2021, 162, 105880.	2.3	14
1223	8-Hydroxyquinoline and Eu ³⁺ Incorporated Metal-Organic Framework Nanosystems with Tunable Emissions for White Light and Anticounterfeiting Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 313-321.	2.4	10
1224	Recent advances in visible-light-driven carbon dioxide reduction by metal-organic frameworks. <i>Science of the Total Environment</i> , 2021, 762, 144101.	3.9	35
1225	Passing the framework skeleton and properties of coordination materials onto organic framework materials. <i>Chemical Communications</i> , 2021, 57, 1348-1351.	2.2	2
1226	MOFs assembled from C ₃ symmetric ligands: structure, iodine capture and role as bifunctional catalysts towards the oxidation-Knoevenagel cascade reaction. <i>Dalton Transactions</i> , 2021, 50, 647-659.	1.6	12
1227	Coordination polymers based on 3,5-di-tert-butylbenzoate {Cd ₂ Eu} moieties. <i>Inorganica Chimica Acta</i> , 2021, 515, 120050.	1.2	10
1228	Specific fluorescence sensing of hydrogen sulphide by an azide functionalized Zr(IV) MOF with DUT-52 topology. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110725.	2.2	22

#	ARTICLE	IF	CITATIONS
1229	Geometry-Driven Self-Assembly of Polymeric Molecular Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2024-2029.	7.2	12
1230	Luminescence response mode and chemical sensing mechanism for lanthanide-functionalized metal-organic framework hybrids. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 201-233.	3.0	166
1231	Direct X-ray and electron-beam lithography of halogenated zeolitic imidazolate frameworks. <i>Nature Materials</i> , 2021, 20, 93-99.	13.3	112
1232	Calcium-Based Metal-Organic Frameworks and Their Potential Applications. <i>Small</i> , 2021, 17, e2005165.	5.2	30
1233	A unique 3D microporous MOF constructed by cross-linking 1D coordination polymer chains for effectively selective separation of CO ₂ /CH ₄ and C ₂ H ₂ /CH ₄ . <i>Chinese Chemical Letters</i> , 2021, 32, 1153-1156.	4.8	28
1234	Bio-inspired self-cleaning carbon cloth based on flower-like Ag nanoparticles and leaf-like MOF: A high-performance and reusable substrate for SERS detection of azo dyes in soft drinks. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129080.	4.0	31
1235	The Role of Metal-Organic Frameworks in Electronic Sensors. <i>Angewandte Chemie</i> , 2021, 133, 15320-15340.	1.6	26
1236	A novel ultrasonic reverse micelle-assisted electrospun efficient route for Eu-MOF and Eu-MOF/CA composite nanofibers: a high performance photocatalytic treatment for removal of BG pollutant. <i>Environmental Science and Pollution Research</i> , 2021, 28, 4317-4328.	2.7	15
1237	Recent advances in process engineering and upcoming applications of metal-organic frameworks. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213544.	9.5	243
1238	Supramolecular fluorescent sensors: An historical overview and update. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213560.	9.5	135
1239	The Role of Metal-Organic Frameworks in Electronic Sensors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15192-15212.	7.2	62
1240	Monodentate Al ^{III} Anchored on Metal-Organic Framework for Fast Fluorescence Sensing of Phosphate. <i>Chinese Journal of Chemistry</i> , 2021, 39, 99-105.	2.6	21
1241	One high-nuclearity Eu ₁₈ nanoring with rapid ratiometric fluorescence response to dipicolinic acid (an anthrax biomarker). <i>Chemical Communications</i> , 2021, 57, 7316-7319.	2.2	8
1242	Regulation on Topological Architectures and Gas Adsorption for Cadmium-Azolate-Carboxylate Frameworks by the Ligand Flexibility. <i>Crystal Growth and Design</i> , 2021, 21, 1718-1726.	1.4	17
1243	Self-assembly of TiO ₂ /ZIF-8 nanocomposites for varied photocatalytic CO ₂ reduction with H ₂ O vapor induced by different synthetic methods. <i>Nanoscale Advances</i> , 2021, 3, 1455-1463.	2.2	8
1244	Stereoselective synthesis of E, E / E, Z isomers based on 1-(4-iodophenyl)-2,5-divinyl-1H-pyrrole core skeleton: A configuration-controlled fluorescence characteristics and highly selective anti-cancer activity. <i>Dyes and Pigments</i> , 2021, 184, 108733.	2.0	7
1245	Deciphering the behavior of a new MOF and its composites under light at ensemble and single crystal levels: relevance to its photonic applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6418-6435.	2.7	1
1246	Tuning the excited-state intramolecular proton transfer (ESIPT)-based luminescence of metal-organic frameworks by metal nodes toward versatile photoluminescent applications. <i>Dalton Transactions</i> , 2021, 50, 6901-6912.	1.6	22

#	ARTICLE	IF	CITATIONS
1247	A water-stable molecular cadmium phosphonate bearing 2-(2-pyridyl)benzimidazole as a highly sensitive luminescence sensor for the selective detection of bisphenol AF and bisphenol B. CrystEngComm, 2021, 23, 2842-2853.	1.3	5
1248	Luminescence sensing and photocatalytic activities of four Zn(II)/Co(II) coordination polymers based on a pyridinephenyl bifunctional ligand. CrystEngComm, 2021, 23, 1497-1506.	1.3	34
1249	Two Co(II)-based coordination polymers as multi-responsive luminescent sensors for the detection of levofloxacin, benzaldehyde and Fe ³⁺ ions in water media. CrystEngComm, 2021, 23, 7485-7495.	1.3	19
1250	An exceptionally stable luminescent cadmium(II) metal-organic framework as a dual-functional chemosensor for detecting Cr(VI) anions and nitro-containing antibiotics in aqueous media. CrystEngComm, 2021, 23, 1218-1225.	1.3	62
1251	The coordination chemistry of benzhydrazide with lanthanide(III) ions: hydrothermal <i>in situ</i> ligand formation, structures, magnetic and photoluminescence sensing properties. RSC Advances, 2021, 11, 24709-24721.	1.7	10
1252	Thermal hysteresis induced by external pressure in a 3D Hofmann-type SCO-MOF. Dalton Transactions, 2021, 50, 1384-1389.	1.6	5
1253	Homochiral metal-organic frameworks for enantioseparation. Chemical Society Reviews, 2021, 50, 5706-5745.	18.7	86
1254	Pyrene-based metal organic frameworks: from synthesis to applications. Chemical Society Reviews, 2021, 50, 3143-3177.	18.7	126
1255	Recent progresses in luminescent metal-organic frameworks (LMOFs) as sensors for the detection of anions and cations in aqueous solution. Dalton Transactions, 2021, 50, 1950-1972.	1.6	74
1256	Tin-Based Oxide, Alloy, and Selenide Li-Ion Battery Anodes Derived from a Bimetallic Metal-Organic Material. Journal of Physical Chemistry C, 2021, 125, 1180-1189.	1.5	6
1257	Amino and triazole-containing metal-organic frameworks for highly efficient CO ₂ fixation. Chemical Communications, 2021, 57, 10803-10806.	2.2	9
1258	Metal-organic frameworks for chemical sensing devices. Materials Horizons, 2021, 8, 2387-2419.	6.4	139
1259	Novel fluorescent probes based on nitrogen-sulfur co-doped carbon dots for chromium ion detection. New Journal of Chemistry, 2021, 45, 4828-4834.	1.4	10
1260	Facile fabrication of a highly (110)-oriented ZIF-7 film with rod-shaped seeds. Chemical Communications, 2021, 57, 2128-2131.	2.2	10
1261	Simultaneous fluorescence and phosphorescence in Zn(II)-zwitterionic coordination polymers with tunable colors. Journal of Materials Chemistry C, 2021, 9, 4233-4239.	2.7	5
1262	Incorporation of homogeneous organometallic catalysts into metal-organic frameworks for advanced heterogenization: a review. Catalysis Science and Technology, 2021, 11, 5734-5771.	2.1	35
1263	A highly stable Zn coordination polymer exhibiting pH-dependent fluorescence and as a visually ratiometric and on/off fluorescent sensor. CrystEngComm, 2021, 23, 5226-5240.	1.3	26
1264	Photophysical studies of a room temperature phosphorescent Cd(II) based MOF and its application towards ratiometric detection of Hg ²⁺ ions in water. CrystEngComm, 2021, 23, 4160-4168.	1.3	5

#	ARTICLE	IF	CITATIONS
1265	Fluorogenic naked eye "turn-on" sensing of hypochlorous acid by a Zr-based metal organic framework. <i>New Journal of Chemistry</i> , 2021, 45, 14211-14217.	1.4	3
1266	Tetracycline antibiotics and NH ₄ ⁺ detection by Zn-organic framework fluorescent probe. <i>Analyst, The</i> , 2021, 146, 6883-6892.	1.7	24
1267	Luminescent metal-organic frameworks as chemical sensors based on "mechanism" response: a review. <i>Dalton Transactions</i> , 2021, 50, 3429-3449.	1.6	68
1268	Mechanochemical Approach to Preparation of MFI Zeolites Substituted Isomorphously by Both Al and Fe as Durable Catalysts for the Dimethyl Ether to Olefin Reaction. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2079-2088.	1.8	17
1269	MOF-74 type variants for CO ₂ capture. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5172-5185.	3.2	63
1270	Efficient chemosensors for toxic pollutants based on photoluminescent Zn(II) and Cd(II) metal-organic networks. <i>Dalton Transactions</i> , 2021, 50, 4470-4485.	1.6	28
1271	Luminescent Metal-Organic Frameworks-Based Sensors for Environmentally Toxic Analytes. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2021, , 13-35.	0.2	0
1272	A donor-acceptor liganded metal-organic framework showcases the hydrogen-bond-enhanced sensing of N-heterocyclic explosives. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12086-12093.	2.7	6
1273	Polyhedral metal-organic framework monolayer colloidal crystals with sharpened and crystal facet-dependent selectivity for organic vapor sensing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5379-5386.	2.7	21
1274	Synthesis, structure, and fluorescence properties of coordination polymers of 3,5-bis(1,2,4-triazol-1-yl) pyridine. <i>CrystEngComm</i> , 2021, 23, 1744-1755.	1.3	5
1275	Tailoring the triplet level of isomorphous Eu/Tb mixed MOFs for sensitive temperature sensing. <i>Chemical Communications</i> , 2021, 57, 3143-3146.	2.2	39
1276	Controllable generation of ZnO/ZnCo ₂ O ₄ arising from bimetal-organic frameworks for electrochemical detection of naphthol isomers. <i>Analyst, The</i> , 2021, 146, 3352-3360.	1.7	3
1277	A selective detection of nanomolar-range noxious anions in water by a luminescent metal-organic framework. <i>Materials Advances</i> , 2021, 2, 985-995.	2.6	14
1278	Rapid spatially-resolved post-synthetic patterning of metal-organic framework films. <i>Chemical Communications</i> , 2021, 57, 4706-4709.	2.2	7
1279	The influence of linker substitution on the fluorescence responsive sensing of isostructural coordination polymers: visual turn-on, ratiometric, and turn-off sensing in water. <i>CrystEngComm</i> , 2021, 23, 2222-2234.	1.3	16
1280	The ratiometric detection of the biomarker Ap5A for dry eye disease and physiological temperature using a rare trinuclear lanthanide metal-organic framework. <i>Dalton Transactions</i> , 2021, 50, 2792-2799.	1.6	10
1281	Response of a Zn(II)-based metal-organic coordination polymer towards trivalent metal ions (Al ³⁺ , Fe ³⁺ and Cr ³⁺) probed by spectroscopic methods. <i>Dalton Transactions</i> , 2021, 50, 7388-7399.	1.6	26
1282	Nitrogen-Rich Tetraphenylethene-Based Luminescent Metal-Organic Framework for Efficient Detection of Carcinogens. <i>ACS Omega</i> , 2021, 6, 2177-2183.	1.6	8

#	ARTICLE	IF	CITATIONS
1283	Regulating the near-infrared region to visible-light emission by adjusting cuprophilic interactions for blue light-excited phosphors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8589-8595.	2.7	10
1284	Coordination networks for the recognition of oxo-anions. <i>Dalton Transactions</i> , 2021, 50, 8273-8291.	1.6	16
1285	Dual-functional porous MOFs with hierarchical guest encapsulation for room-temperature phosphorescence and white-light-emission. <i>Nanoscale</i> , 2021, 13, 12466-12474.	2.8	14
1286	Growth of robust metal-organic framework films by spontaneous oxidation of a metal substrate for NO ₂ sensing. <i>Materials Chemistry Frontiers</i> , 2021, 5, 6476-6484.	3.2	13
1287	Metal-organic frameworks of linear trinuclear cluster secondary building units: structures and applications. <i>Dalton Transactions</i> , 2021, 50, 12692-12707.	1.6	12
1288	Water-Robust Zinc-Organic Framework with Mixed Nodes and Its Handy Mixed-Matrix Membrane for Highly Effective Luminescent Detection of Fe ³⁺ , CrO ₄ ²⁻ , and Cr ₂ O ₇ ²⁻ in Aqueous Solution. <i>Inorganic Chemistry</i> , 2021, 60, 1716-1725.	1.9	61
1289	Inter-ligand charge-transfer interactions in a photochromic and redox active zinc-organic framework. <i>CrystEngComm</i> , 2021, 23, 5982-5988.	1.3	7
1290	An excellent thermostable dual-functionalized 3D <i>fsx</i> -type Cd(<i>ii</i>) MOF for the highly selective detection of Fe ³⁺ ions and ten nitroaromatic explosives. <i>CrystEngComm</i> , 2021, 23, 6171-6179.	1.3	6
1291	A smart sensing triazine hexacarboxylic metal-organic skeleton material: synthesis, structure and multifunctional fluorescence detector. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3193-3203.	2.7	20
1292	Biologically relevant and energetically significant cooperative ternary (i <i>ii</i>) ₂ (i <i>ii</i>) ₁ (i <i>ii</i>) ₂ assemblies and fascinating discrete (H ₂ O) ₂₁ clusters in isostructural 2,5-pyridine dicarboxylato Co(ii) and Zn(ii) phenanthroline compounds: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2021, 45, 3699-3715.	1.4	13
1293	A luminescent cationic MOF for bimodal recognition of chromium and arsenic based oxo-anions in water. <i>Dalton Transactions</i> , 2021, 50, 10133-10141.	1.6	25
1294	Rapid, selective capture of toxic oxo-anions of Se(<i>iv</i>), Se(<i>vi</i>) and As(<i>v</i>) from water by an ionic metal-organic framework (iMOF). <i>Journal of Materials Chemistry A</i> , 2021, 9, 6499-6507.	5.2	39
1295	Adsorption of Malachite Green and Alizarin Red S Dyes Using Fe-BTC Metal Organic Framework as Adsorbent. <i>International Journal of Molecular Sciences</i> , 2021, 22, 788.	1.8	66
1296	Multifunctionality in an Ion-Exchanged Porous Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2021, 143, 1365-1376.	6.6	31
1297	Optical chemosensors for the gas phase detection of aldehydes: mechanism, material design, and application. <i>Materials Advances</i> , 2021, 2, 6213-6245.	2.6	14
1298	Covalent-coordination tandem functionalization of a metal-organic framework (UiO-66) as a hybrid probe for luminescence detection of <i>trans-trans</i> -muconic acid as a biomarker of benzene and Fe ³⁺ . <i>Analyst</i> , 2021, 146, 3052-3061.	1.7	12
1299	Highly selective fluorescent turn-on-off sensing of OH ⁻ , Al ³⁺ and Fe ³⁺ ions by tuning ESIPT in metal organic frameworks and mitochondria targeted bio-imaging. <i>RSC Advances</i> , 2021, 11, 27787-27800.	1.7	15
1300	Metal-organic frameworks towards bio-medical applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5573-5594.	3.2	39

#	ARTICLE	IF	CITATIONS
1301	Double-site recognition of <i>Staphylococcus aureus</i> using a metal-organic framework material with an alkaline hydrolysis property as a sensitive fluorescent probe. <i>Nanoscale</i> , 2021, 13, 12546-12552.	2.8	6
1302	Metal-organic framework thin films as versatile chemical sensing materials. <i>Materials Advances</i> , 2021, 2, 6169-6196.	2.6	30
1303	Quinoline-tagged fluorescent organic probes for sensing of nitro-phenolic compounds and Zn ²⁺ ions at the ppb level. <i>Materials Advances</i> , 2021, 2, 2334-2346.	2.6	7
1304	Metal-organic frameworks as proton conductors: strategies for improved proton conductivity. <i>Dalton Transactions</i> , 2021, 50, 10655-10673.	1.6	36
1305	Thermally stable and robust gadolinium-based metal-organic framework: Synthesis, structure and heterogeneous catalytic O-arylation reaction. <i>Polyhedron</i> , 2021, 194, 114934.	1.0	2
1306	Ni-Based one dimensional coordination polymers for environmental remediation: design, topology, magnetism and the selective adsorption of cationic dyes. <i>CrystEngComm</i> , 2021, 23, 6253-6266.	1.3	19
1307	Engineering of Mixed Eu ³⁺ /Tb ³⁺ Metal-Organic Frameworks Luminescent Thermometers with Tunable Sensitivity. <i>Advanced Optical Materials</i> , 2021, 9, 2001938.	3.6	89
1308	The construction of a novel luminescent lanthanide framework for the selective sensing of Cu ²⁺ and 4-nitrophenol in water. <i>Dalton Transactions</i> , 2021, 50, 1874-1886.	1.6	36
1309	Ultrasensitive and highly selective detection of formaldehyde via an adenine-based biological metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2416-2424.	3.2	34
1310	A robust 3D zinc-organic framework for efficient dual detection of acetylacetone and Tb ³⁺ ions. <i>Dalton Transactions</i> , 2021, 50, 10180-10186.	1.6	47
1311	Nanocage-Based N-Rich Metal-Organic Framework for Luminescence Sensing toward Fe ³⁺ and Cu ²⁺ Ions. <i>Inorganic Chemistry</i> , 2021, 60, 671-681.	1.9	97
1312	A dual-response regenerable luminescent 2D-MOF for nitroaromatic sensing via target-modulation of active interaction sites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12849-12858.	2.7	15
1313	N-Functionality actuated improved CO ₂ adsorption and turn-on detection of organo-toxins with guest-induced fluorescence modulation in isostructural diamondoid MOFs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7142-7153.	2.7	32
1314	Ratiometric fluorescent detection of dipicolinic acid as an anthrax biomarker based on a high-nuclearity Yb ₁₈ nanoring. <i>Dalton Transactions</i> , 2021, 50, 13528-13532.	1.6	5
1315	Applications of MOFs as Luminescent Sensors for Environmental Pollutants. <i>Small</i> , 2021, 17, e2005327.	5.2	177
1316	Two-Dimensional Metal-Organic Framework Materials: Synthesis, Structures, Properties and Applications. <i>Chemical Reviews</i> , 2021, 121, 3751-3891.	23.0	442
1317	Target-induced mimic enzyme deactivation based on mixed-node metal-organic frameworks for colorimetric assay of hydrogen sulfide. <i>Chinese Chemical Letters</i> , 2021, 32, 3155-3158.	4.8	4
1318	The Effect of Auxiliary Nitrogenated Linkers on the Design of New Cadmium-Based Coordination Polymers as Sensors for the Detection of Explosive Materials. <i>Chemistry - A European Journal</i> , 2021, 27, 5298-5306.	1.7	8

#	ARTICLE	IF	CITATIONS
1319	Facile and Fast Transformation of Nonluminescent to Highly Luminescent Metal-Organic Frameworks: Acetone Sensing for Diabetes Diagnosis and Lead Capture from Polluted Water. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7801-7811.	4.0	20
1320	Rational design, synthesis, and applications of carbon dots@metal-organic frameworks (CD@MOF) based sensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116163.	5.8	77
1321	Encapsulation of Luminescent Guests to Construct Luminescent Metal-Organic Frameworks for Chemical Sensing. <i>ACS Sensors</i> , 2021, 6, 641-658.	4.0	184
1322	An MOF-Based Luminescent Sensor Array for Pattern Recognition and Quantification of Metal Ions. <i>Advanced Optical Materials</i> , 2021, 9, 2002180.	3.6	48
1323	In Situ Tracking of Wetting-Front Transient Heat Release on a Surface-Mounted Metal-Organic Framework. <i>Advanced Materials</i> , 2021, 33, 2006980.	11.1	7
1324	Influence of the Anionic Zinc-Adeninate Metal-Organic Framework Structure on the Luminescent Detection of Rare Earth Ions in Aqueous Streams. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7268-7277.	4.0	16
1325	Flexible Sensors Based on Organic-Inorganic Hybrid Materials. <i>Advanced Materials Technologies</i> , 2021, 6, 2000889.	3.0	43
1326	Recent progresses and remaining challenges for the detection of Zika virus. <i>Medicinal Research Reviews</i> , 2021, 41, 2039-2108.	5.0	16
1327	Tetraphenylpyrazine-Based Luminescent Metal-Organic Framework for Chemical Sensing of Carcinoids Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6421-6429.	4.0	35
1328	Three new Cd(II)/Zn(II) coordination polymers assembled via dual-ligand strategy: crystal structures and luminescent properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 770-776.	0.6	6
1329	A Fluorescent Titanium-Based Metal-Organic Framework Sensor for Nitroaromatics Detection. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 759-763.	0.6	17
1330	Reversible Humidity-Driven Transformation of a Bimetallic {EuCo} Molecular Material: Structural, Sorption, and Photoluminescence Studies. <i>Molecules</i> , 2021, 26, 1102.	1.7	1
1331	Two Cd-Based Luminescent Coordination Polymers Constructed from a Truncated Linker. <i>Inorganic Chemistry</i> , 2021, 60, 2503-2513.	1.9	11
1332	Microenvironment Modulation in Metal-Organic Framework-Based Catalysis. <i>Accounts of Materials Research</i> , 2021, 2, 327-339.	5.9	171
1333	Anion Exchange on Surface Induces Drastic Fluorescence Response in Cu(II) Coordination Polymer Crystals. <i>Crystal Growth and Design</i> , 2021, 21, 1905-1911.	1.4	8
1334	Ultrasound targeted microbubble destruction combined with Fe-MOF based bio-/enzyme-mimics nanoparticles for treating of cancer. <i>Journal of Nanobiotechnology</i> , 2021, 19, 92.	4.2	29
1335	A new porous heterometallic metal-organic framework for gas adsorption and luminescence sensing. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1077-1082.	0.6	8
1336	Crystalline Porous Materials for Nonlinear Optics. <i>Small</i> , 2021, 17, e2006416.	5.2	52

#	ARTICLE	IF	CITATIONS
1337	Homochiral MOF as Chiroptical Sensor for Determination of Absolute Configuration and Enantiomeric Ratio of Chiral Tryptophan. <i>Advanced Optical Materials</i> , 2021, 9, 2001889.	3.6	30
1338	Photoresponse within dye-incorporated metal-organic architectures. <i>Coordination Chemistry Reviews</i> , 2021, 430, 213648.	9.5	21
1339	Overview of Na-Rich Antennae Investigated in Lanthanide-Based Temperature Sensing. <i>Chemistry - A European Journal</i> , 2021, 27, 7214-7230.	1.7	19
1340	MOF Nanosheet Reconstructed Two-Dimensional Bionic Nanochannel for Protonic Field-Effect Transistors. <i>Angewandte Chemie</i> , 2021, 133, 10019-10023.	1.6	6
1341	A One-Dimensional Cadmium Coordination Polymer: Synthesis, Structure, and Application as Luminescent Sensor for Cu^{2+} and $\text{CrO}_4^{2-}/\text{Cr}_2\text{O}_7^{2-}$ Ions. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1349-1357.	1.0	11
1342	Engineered Bifunctional Luminescent Pillared-Layer Frameworks for Adsorption of CO_2 and Sensitive Detection of Nitrobenzene in Aqueous Media. <i>Chemistry - A European Journal</i> , 2021, 27, 6529-6537.	1.7	13
1343	A Photoluminescent Cd(II) Coordination Polymer with Potential Active Sites Exhibiting Multiresponsive Fluorescence Sensing for Trace Amounts of NACs and Fe^{3+} and Al^{3+} Ions. <i>Inorganic Chemistry</i> , 2021, 60, 4945-4956.	1.9	58
1344	Bimetallic NiCo Metal-Organic Framework-Derived Hierarchical Spinel NiCo_2O_4 Microflowers for Efficient Non-Enzymatic Glucose Sensing. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1118-1124.	2.0	8
1345	Ratiometric fluorescence for sensitive detection of phosphate species based on mixed lanthanide metal organic framework. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 3281-3290.	1.9	16
1346	Phosphor-Free Electrically Driven White Light Emission from Nanometer-Thick Barium-Organic Framework Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 2395-2403.	2.4	6
1347	Fluorescent Detection of Carbon Disulfide by a Highly Emissive and Robust Isoreticular Series of Zr-Based Luminescent Metal Organic Frameworks (LMOFs). <i>Chemistry</i> , 2021, 3, 327-337.	0.9	11
1348	MOF Nanosheet Reconstructed Two-Dimensional Bionic Nanochannel for Protonic Field-Effect Transistors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9931-9935.	7.2	51
1349	A Fluorescent Metal-Organic Framework for Food Real-Time Visual Monitoring. <i>Advanced Materials</i> , 2021, 33, e2008020.	11.1	139
1350	Composite fast scintillators based on high-Z fluorescent metal-organic framework nanocrystals. <i>Nature Photonics</i> , 2021, 15, 393-400.	15.6	93
1351	Synthesis, structure and properties of a novel Cu(II)-MOF $\{[\text{Cu}_2\text{L}(\text{OH})] \cdot \text{DMF}\}_n$ based on a semi-rigid polycarboxylic acid ligand. <i>Inorganic Chemistry Communication</i> , 2021, 125, 108449.	1.8	5
1352	A 3D 2-fold interpenetrating Cu(II) coordination polymer based on 4,4'-oxybis(benzoic acid) and 1,3-bis(2-methyl-imidazol-1-yl) benzene exhibiting photocatalytic properties. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 237-241.	0.3	0
1353	Proton conductive metal sulfonate frameworks. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213747.	9.5	63
1354	Synthesis and Optical Performance of terbium complexes with octanoyl amino acids. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103033.	2.3	8

#	ARTICLE	IF	CITATIONS
1355	Construction of five non-covalent-fabricated Zn ²⁺ /Cd ²⁺ supramolecules from 3,5-dimethylpyrazole: Their synthesis and features. <i>Journal of Molecular Structure</i> , 2021, 1230, 129818.	1.8	3
1356	The Preparation of Metal-Organic Framework/Boron Phosphate Hybrid Materials for Improved Performances in Proton Exchange Membranes. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100053.	1.7	4
1357	Target-induced activation of DNAzyme for sensitive detection of bleomycin by using a simple MOF-modified electrode. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113034.	5.3	16
1358	A Fluorescent Probe of Nitrite Based on Eu ³⁺ Functionalized Metal-Organic Frameworks. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1091-1095.	0.6	19
1359	Chemical Design and Physical Properties of Dynamic Molecular Assemblies. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1400-1420.	2.0	37
1360	Facile synthesis of Fe ₃ O ₄ @MIL-100(Fe) towards enhancing photo-Fenton like degradation of levofloxacin via a synergistic effect between Fe ₃ O ₄ and MIL-100(Fe). <i>Chemical Engineering Journal</i> , 2021, 409, 128274.	6.6	130
1362	Metal-Organic Frameworks Nanocomposites with Different Dimensionalities for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2022, 12, 2100346.	10.2	86
1363	Carbon paste electrode modified with fern leave-like MIL-47(as) for electrochemical simultaneous detection of Pb(II), Cu(II) and Hg(II). <i>Journal of Electroanalytical Chemistry</i> , 2021, 886, 115121.	1.9	31
1364	Thermal-responsive Photonic Crystals based on Physically Cross-linked Inverse Opal Nanocomposite Hydrogels. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 289-296.	0.4	4
1365	Four Novel Lanthanide(III) Metal-Organic Frameworks: Tunable Light Emission and Multiresponsive Luminescence Sensors for Vitamin B ₆ and Pesticides. <i>Crystal Growth and Design</i> , 2021, 21, 2889-2897.	1.4	30
1366	Multistimuli-Responsive Lanthanide-Containing Smart Luminescent Hydrogel Actuator. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20633-20640.	4.0	48
1367	An analysis of luminous mechanism of rare earth hybrid complex with Ce ³⁺ ion by the DV-X [±] method. <i>International Journal of Electrical Engineering and Education</i> , 0, , 002072092110020.	0.4	0
1368	Nanoscale Metal-Organic Frameworks That are Both Fluorescent and Hollow for Self-Indicating Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18554-18562.	4.0	15
1369	A Novel Luminescent Metal-Organic Framework as a Remarkable Sensor for Detecting Aristolochic Acids in Biological Fluids. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1695-1700.	1.0	6
1370	Controllable Microporous Framework Isomerism within Continuous Mesoporous Channels: Hierarchically Porous Structure for Capture of Bulky Molecules. <i>Inorganic Chemistry</i> , 2021, 60, 6633-6640.	1.9	5
1371	One-dimensional La(III) coordination polymer displaying multi-responsive luminescence activities towards Fe ³⁺ , acetone and benzothiozoles. <i>Journal of Solid State Chemistry</i> , 2021, 296, 121952.	1.4	13
1372	Design of I^- -conjugated flexible semiconductive 2D MOF and MOF derived CuO nano-spheres for solvent free C-X (S, O) hetero-coupling catalysis with enhanced conductivity. <i>Nano Structures Nano Objects</i> , 2021, 26, 100756.	1.9	7
1373	Turn-On Fluorescence Enantioselective Sensing of Hydroxyl Carboxylic Enantiomers by Metal-Organic Framework Nanosheets with a Homochiral Tetracarboxylate of Cyclohexane Diamide. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20821-20829.	4.0	34

#	ARTICLE	IF	CITATIONS
1374	Strategic Design of Anthracene-Decorated Highly Luminescent Coordination Polymers for Selective and Rapid Detection of TNP: An Explosive Nitro Derivative and Mutagenic Pollutant. <i>Crystal Growth and Design</i> , 2021, 21, 3344-3354.	1.4	34
1375	Multi-stimuli-responsive fluorescent materials based on N, O-chelated BF ₂ complexes: Self-assembling, sensory properties and detection of latent fingerprint. <i>Optical Materials</i> , 2021, 115, 111006.	1.7	8
1376	Progress in Metal-Organic Frameworks Facilitated Mercury Detection and Removal. <i>Chemosensors</i> , 2021, 9, 101.	1.8	33
1377	Hydrolytically Stable and Trifunctional Zirconium-Based Organic Frameworks toward Cr ₂ O ₇ ²⁻ Detection, Capture, and Photoreduction. <i>Inorganic Chemistry</i> , 2021, 60, 8143-8153.	1.9	35
1378	Shaping of a Metal-Organic Framework-Polymer Composite and Its CO ₂ Adsorption Performances from Humid Indoor Air. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25421-25427.	4.0	34
1379	Integrating photoluminescent nanomaterials with photonic nanostructures. <i>Journal of Luminescence</i> , 2021, 233, 117870.	1.5	10
1380	A bi-functionalized metal-organic framework based on N-methylation and Eu ³⁺ post-synthetic modification for highly sensitive detection of 4-Aminophenol (4-AP), a biomarker for aniline in urine. <i>Talanta</i> , 2021, 227, 122209.	2.9	29
1381	Devising Mixed-Ligand Based Robust Cd(II)-Framework From Bi-Functional Ligand for Fast Responsive Luminescent Detection of Fe ³⁺ and Cr(VI) Oxo-Anions in Water With High Selectivity and Recyclability. <i>Frontiers in Chemistry</i> , 2021, 9, 651866.	1.8	19
1382	Metal-organic frameworks of lanthanide iminodiacetates and tartrates: Synthesis, structural characterization and luminescence properties – Commemorating the 100th anniversary of the birth of Academician Guangxian Xu. <i>Journal of Rare Earths</i> , 2021, 39, 487-494.	2.5	4
1383	Solution-Processable Metal-Organic Framework Nanosheets with Variable Functionalities. <i>Advanced Materials</i> , 2021, 33, e2101257.	11.1	33
1384	A highly selective fluorescent sensor for ratiometric detection of cyanide in aqueous solution and solid states. <i>Journal of Molecular Structure</i> , 2021, 1231, 129671.	1.8	12
1385	A water-stable europium-MOF as a multifunctional luminescent sensor for some inorganic ions and dichloromethane molecule. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 97, 180-187.	2.9	16
1386	Effect of Different Synthesis Approaches on Structural and Thermal Properties of Lanthanide(III) Metal-Organic Frameworks Based on the 1H-Pyrazole-3,5-Dicarboxylate Linker. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3534-3548.	1.9	9
1387	Insights into the selective sensing mechanism of a luminescent Cd(II)-based MOF chemosensor toward NACs: roles of the host-guest interactions and PET processes. <i>Journal of Materials Science</i> , 2021, 56, 13684-13704.	1.7	14
1388	Facile preparation of functional and hybrid coatings by precipitations of polypyrrole and lysozyme via co-assembly process. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50954.	1.3	2
1389	Electron Transfer Facilitated by π - π Stacking during the Nitrobenzene Recognition Process of an MOF Sensor. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12433-12440.	1.5	21
1390	A New Molecular Recognition Concept: Multiple Hydrogen Bonds and Their Optically Triggered Proton Transfer in Confined Metal-Organic Frameworks for Superior Sensing Element. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22457-22465.	4.0	19
1391	Recent advances in luminescent metal-organic frameworks (LMOFs) based fluorescent sensors for antibiotics. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213793.	9.5	90

#	ARTICLE	IF	CITATIONS
1392	Tailored Mobility in a Zeolite Imidazolate Framework (ZIF) Antibody Conjugate**. Chemistry - A European Journal, 2021, 27, 9414-9421.	1.7	5
1393	Biocatalytic and Antioxidant Nanostructures for ROS Scavenging and Biotherapeutics. Advanced Functional Materials, 2021, 31, 2101804.	7.8	71
1394	Synthesis of a tetraphenylethylene-based metal-organic framework as the luminescent sensor for selective sensing of Cr ²⁺ in aqueous solution. Inorganic Chemistry Communication, 2021, 127, 108550.	1.8	5
1395	Non-covalent interactions governing the supramolecular assembly of copper(II) complexes with hydrazone-type ligand: Experimental and quantum chemical study. Polyhedron, 2021, 200, 115142.	1.0	5
1396	1-(4-Carboxyphenyl)-5-methyl-1H-1,2,3-triazole-4-carboxylic acid – A versatile ligand for the preparation of coordination polymers and mononuclear complexes. Polyhedron, 2021, 200, 115115.	1.0	2
1397	Recent Progress in Luminous Particle-Encapsulated Host-Guest Metal-Organic Frameworks for Optical Applications. Advanced Optical Materials, 2021, 9, 2100283.	3.6	39
1398	Directional Exciton Migration in Benzoimidazole-Based Metal-Organic Frameworks. Journal of Physical Chemistry Letters, 2021, 12, 4917-4927.	2.1	10
1399	Luminescent metal-organic frameworks (LMOFs): An emerging sensing platform for food quality and safety control. Trends in Food Science and Technology, 2021, 111, 716-730.	7.8	39
1400	Recent Progresses in Metal-Organic Frameworks Based Core-shell Composites. Advanced Energy Materials, 2022, 12, 2100061.	10.2	43
1401	Structure and reversible crystal-to-crystal transformations of a zinc(II) coordination polymer constructed from an imide-based dicarboxylic acid. Journal of Solid State Chemistry, 2021, 298, 122129.	1.4	0
1402	Recognition and Sequestration of Toxic Inorganic Water Pollutants with Hydrolytically Stable Metal-Organic Frameworks. Chemical Record, 2021, 21, 1666-1680.	2.9	22
1404	High Proton Conduction Behavior of a Water-Stable Cadmium Organic Framework and Its Polymer Composite Membranes. Journal of the Electrochemical Society, 2021, 168, 064518.	1.3	3
1405	Luminescent, Helical and Highly Stable Zn(II) and Cd(II) Coordination Polymers: Structural Diversity and Selective Sensing of 4-Nitroaniline in Water. European Journal of Inorganic Chemistry, 2021, 2021, 2595-2605.	1.0	5
1406	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. Inorganic Chemistry, 2021, 60, 10513-10521.	1.9	54
1407	Solvothermal Preparation of a Lanthanide Metal-Organic Framework for Highly Sensitive Discrimination of Nitrofurantoin and L-Tyrosine. Molecules, 2021, 26, 3673.	1.7	11
1408	Recent progress in covalent organic frameworks as light-emitting materials. Materials Today Energy, 2021, 20, 100635.	2.5	77
1409	Differently luminescent sensing abilities for Cu ²⁺ ion of two metal phosphonates with or without the free Lewis basic pyridyl sites. Journal of Molecular Structure, 2021, 1234, 130175.	1.8	6
1410	Asymmetric catalysis using metal-organic frameworks. Coordination Chemistry Reviews, 2021, 437, 213845.	9.5	80

#	ARTICLE	IF	CITATIONS
1411	Direct identification of HMX via guest-induced fluorescence turn-on of molecular cage. <i>Chinese Chemical Letters</i> , 2021, 32, 4006-4010.	4.8	9
1412	A decade of decoding. <i>Nature Reviews Chemistry</i> , 2021, 5, 600-601.	13.8	2
1413	Eu ³⁺ doped bismuth metal-organic frameworks with ultrahigh fluorescence quantum yield and act as ratiometric turn-on sensor for histidine detection. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129753.	4.0	43
1414	CRYSTAL STRUCTURE OF DENSE METAL-ORGANIC FRAMEWORKS BASED ON Sc(III) AND TWO TYPES OF LIGANDS. <i>Journal of Structural Chemistry</i> , 2021, 62, 897-904.	0.3	5
1415	Bandgap Modulation in Zr-Based Metal-Organic Frameworks by Mixed-Linker Approach. <i>Inorganic Chemistry</i> , 2021, 60, 8908-8916.	1.9	24
1416	Applications of metal-organic framework (MOF)-based sensors for food safety: Enhancing mechanisms and recent advances. <i>Trends in Food Science and Technology</i> , 2021, 112, 268-282.	7.8	139
1417	Recyclable Supramolecular Assembly-Induced Emission System for Selective Detection and Efficient Removal of Mercury(II). <i>Chemistry - A European Journal</i> , 2021, 27, 11879-11887.	1.7	22
1418	Tuning Chromophore-Based LMOF Dimensionality to Enhance Detection Sensitivity for Fe ³⁺ Ions. <i>ACS Omega</i> , 2021, 6, 16498-16506.	1.6	10
1419	Progress in Multifunctional Metal-Organic Frameworks/Polymer Hybrid Membranes. <i>Chemistry - A European Journal</i> , 2021, 27, 12940-12952.	1.7	14
1420	Adsorption behavior of metal-organic frameworks: From single simulation, high-throughput computational screening to machine learning. <i>Computational Materials Science</i> , 2021, 193, 110383.	1.4	20
1421	Selective Photocatalytic Oxidation of Sulfides in Lanthanide Metal-Organic Frameworks Incorporating Ru(2,2'-bipyridine) ₃ photosensitizer. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2031-2034.	1.7	14
1422	Controlled synthesis of fluorescent carbon materials with the assistance of capillary electrophoresis. <i>Talanta</i> , 2021, 228, 122224.	2.9	8
1423	Electrically Conductive Metal-Organic Frameworks for Electrocatalytic Applications. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100100.	2.8	17
1424	Multifunctional sensing activities toward heavy metals of three luminescent complexes: Effect of N-donor coligands and sensing medium. <i>Dyes and Pigments</i> , 2021, 190, 109291.	2.0	8
1425	Optical nanomaterials with focus on rare earth doped oxide: A Review. <i>Materials Today Communications</i> , 2021, 27, 102277.	0.9	56
1426	A water-stable 3D Zn(II) luminescent coordination polymer for highly sensitive and selective sensing of acetylacetone and Fe ³⁺ ion. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108654.	1.8	6
1427	Magnetism and Luminescence of a MOF with Linear Mn ₃ Nodes Derived from an Emissive Terthiophene-Based Imidazole Linker. <i>Molecules</i> , 2021, 26, 4286.	1.7	6
1428	Porous Anionic Co(II) Metal-Organic Framework, with a High Density of Amino Groups, as a Superior Luminescent Sensor for Turn-On Al(III) Detection. <i>Chemistry - A European Journal</i> , 2021, 27, 11804-11810.	1.7	41

#	ARTICLE	IF	CITATIONS
1429	Linker Engineering toward Full-Color Emission of UiO-68 Type Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 10547-10552.	6.6	54
1430	Polymeric lead(II) phosphor featuring cubane [Pb ₄] and [Pb ₈] units: Organic vs inorganic binding competition, colour regulation and white luminescence. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108632.	1.8	0
1431	Structural Color Materials from Natural Polymers. <i>Advanced Materials Technologies</i> , 2021, 6, .	3.0	52
1432	Imine-Induced Metal-Organic and Covalent Organic Coexisting Framework with Superior Li-Storage Properties and Activation Mechanism. <i>ChemSusChem</i> , 2021, 14, 3283-3292.	3.6	12
1433	Naphthalene-Coupled Pyridinium Urea Salt in Fluorometric Sensing of Iodide. <i>ChemistrySelect</i> , 2021, 6, 6353-6359.	0.7	5
1434	Research progress of defect-engineered UiO-66(Zr) MOFs for photocatalytic hydrogen production. <i>Frontiers in Energy</i> , 2021, 15, 656-666.	1.2	18
1435	Yolk-shell Fe ₃ O ₄ @MOF-5 nanocomposites as a heterogeneous Fenton-like catalyst for organic dye removal. <i>Separation and Purification Technology</i> , 2021, 267, 118620.	3.9	73
1436	Metal-Organic Framework-Based Hierarchically Porous Materials: Synthesis and Applications. <i>Chemical Reviews</i> , 2021, 121, 12278-12326.	23.0	633
1437	Guest-Anion-Induced Rotation-Restricted Emission in UiO-66-NH ₂ and Advanced Structure Elucidation. <i>Chemistry of Materials</i> , 2021, 33, 5422-5429.	3.2	5
1438	Ultrastable Tb-Organic Framework as a Selective Sensor of Phenylglyoxylic Acid in Urine. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33546-33556.	4.0	27
1439	A water-stable luminescent sensor based on Cd ²⁺ coordination polymer for detecting nitroimidazole antibiotics in water. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6359.	1.7	12
1440	High-Performance Water Harvester Framework for Triphasic and Synchronous Detection of Assorted Organotoxins with Site-Memory-Reliant Security Encryption via pH-Triggered Fluoroswitching. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34012-34026.	4.0	44
1441	Tetraphenylpyrazine-Based Manganese Metal-Organic Framework as a Multifunctional Sensor for Cu ²⁺ , Cr ³⁺ , MnO ₄ ⁻ , and 2,4,6-Trinitrophenol and the Construction of a Molecular Logical Gate. <i>Inorganic Chemistry</i> , 2021, 60, 11222-11230.	1.9	49
1442	Elucidating the Relationship between ROS and Protein Phosphorylation through <i>In Situ</i> Fluorescence Imaging in the Pneumonia Mice. <i>Analytical Chemistry</i> , 2021, 93, 10907-10915.	3.2	8
1443	Guest-selective gate-opening by pore engineering of two-dimensional Kagomé lattice porous coordination polymers. <i>Natural Sciences</i> , 2021, 1, e10020.	1.0	3
1444	Anion-templated assembly of Co(II)-complexes based on the semirigid carboxylic acid ligand: synthesis, structure and magnetic property. <i>Transition Metal Chemistry</i> , 2021, 46, 547-553.	0.7	1
1445	Efficient Capture of Trace Acetylene by an Ultramicroporous Metal-Organic Framework with Purine Binding Sites. <i>Chemistry of Materials</i> , 2021, 33, 5800-5808.	3.2	22
1446	Flexible Zn-MOF with Rare Underlying <i>scu</i> Topology for Effective Separation of C ₆ Alkane Isomers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51997-52005.	4.0	22

#	ARTICLE	IF	CITATIONS
1447	A Multifunctional 3D Supermolecular Co Coordination Polymer With Potential for CO ₂ Adsorption, Antibacterial Activity, and Selective Sensing of Fe ³⁺ /Cr ³⁺ Ions and TNP. <i>Frontiers in Chemistry</i> , 2021, 9, 678993.	1.8	5
1448	Physical Vapor-Deposited Silver (Ag)-Based Metal-Dielectric Nanocomposites for Thin-Film and Coating Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6746.	1.3	7
1449	Microwave-Assisted Synthesis of Chromium Oxide Nanoparticles for Fluorescence Biosensing of Mercury Ions and Molecular Logic Computing. <i>ACS Applied Nano Materials</i> , 2021, 4, 7086-7096.	2.4	8
1450	Reversible Electroactive Behavior in a Zn-Based Metal-Organic Framework via Mild Oxidation Potential. <i>Inorganic Chemistry</i> , 2021, 60, 11458-11465.	1.9	2
1451	Nanozyme Applications: A Glimpse of Insight in Food Safety. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 727886.	2.0	35
1452	Ligand-Directed Conformational Control over Porphyrinic Zirconium Metal-Organic Frameworks for Size-Selective Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12129-12137.	6.6	73
1453	Selective sensing of Cr ^{VI} and Fe ^{III} ions in aqueous solution by an exceptionally stable Tb ^{III} -organic framework with an AIE-active ligand. <i>Chinese Chemical Letters</i> , 2021, 32, 2443-2447.	4.8	31
1454	Tetra-imidazole functionalized pyrene for constructing Co-MOF and its application for sensing of cyanide ion. <i>Journal of Solid State Chemistry</i> , 2021, 300, 122258.	1.4	10
1455	Synthesis of microporous hydrogen-bonded supramolecular organic frameworks through guanosine self-assembly. <i>Cell Reports Physical Science</i> , 2021, 2, 100519.	2.8	3
1456	Large-Scale Production of Hierarchically Porous Metal-Organic Frameworks by a Reflux-Assisted Post-Synthetic Ligand Substitution Strategy. <i>ACS Central Science</i> , 2021, 7, 1434-1440.	5.3	50
1457	Neutral Nitrogen Donor Ligand-based MOFs for Sensing Applications. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2569-2587.	1.7	9
1458	Recent development on the alkaline earth MOFs (AEMOFs). <i>Coordination Chemistry Reviews</i> , 2021, 440, 213955.	9.5	24
1459	A functionalized UiO-66 MOF acting as a luminescent chemosensor for selective and sensitive turn-on detection of superoxide and acetylacetone. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111251.	2.2	26
1460	Label-free one-dimension photonics crystals sensors assembled by UiO-66 and graphene oxide: A platform to quick and efficiently detect chlorobenzene vapors. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105445.	3.3	7
1461	Biological metal organic framework (Bio-MOF) for detection of volatile organic compounds (VOCs). <i>Inorganic Chemistry Communication</i> , 2021, 130, 108711.	1.8	14
1462	Insight understanding into influence of binding mode of carboxylate with metal ion on ligand-centered luminescence properties in Pb-based coordination polymers. <i>Chinese Chemical Letters</i> , 2021, 32, 2423-2426.	4.8	6
1463	An intelligent self-defensive coating based on sulfide ion responsive nanocontainers for suppression of microbiologically influenced corrosion induced by sulfate reducing bacteria. <i>Corrosion Science</i> , 2021, 188, 109543.	3.0	31
1464	A pillared metal-organic framework with rich π -electron linkers as a novel fluorescence probe for the highly selective and sensitive detection of nitroaromatics. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126631.	2.3	8

#	ARTICLE	IF	CITATIONS
1465	A new Eu-MOF for ratiometrically fluorescent detection toward quinolone antibiotics and selective detection toward tetracycline antibiotics. <i>Chinese Chemical Letters</i> , 2022, 33, 1353-1357.	4.8	116
1466	Porous nanomaterials: Main vein of agricultural nanotechnology. <i>Progress in Materials Science</i> , 2021, 121, 100812.	16.0	52
1467	Four Novel d10 Metal-Organic Frameworks Incorporating Amino-Functionalized Carboxylate Ligands: Synthesis, Structures, and Fluorescence Properties. <i>Frontiers in Chemistry</i> , 2021, 9, 708314.	1.8	3
1468	Facile Synthesis of Metal-Organic Layers with High Catalytic Performance toward Detoxification of a Chemical Warfare Agent Simulant. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40863-40871.	4.0	12
1469	Structural Regulation and Light Hydrocarbon Adsorption/Separation of Three Zirconium-Organic Frameworks Based on Different V-Shaped Ligands. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41680-41687.	4.0	25
1470	Development of Eu-based metal-organic frameworks (MOFs) for luminescence sensing and entrapping of arsenate ion. <i>Journal of Luminescence</i> , 2021, 236, 118102.	1.5	14
1471	Sensitization of nontoxic MOF for their potential drug delivery application against microbial infection. <i>Inorganica Chimica Acta</i> , 2021, 523, 120381.	1.2	50
1472	Electrochemical Detection of Sarcosine and Supercapacitor Based on a New Ni-Metal Organic Framework Electrode Material. <i>Crystals</i> , 2021, 11, 1036.	1.0	3
1473	Electrospinning Fabrication of Europium-Chain@polymer Nanofiber Films for Visual Detection of the Fe ³⁺ Ion. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4504-4511.	2.0	11
1474	Two Cd(II) coordination polymers containing bis(benzimidazole) ligands as luminescent probes for acetylacetone and Fe ³⁺ ions. <i>Inorganica Chimica Acta</i> , 2021, 525, 120499.	1.2	7
1475	A comprehensive review on water stable metal-organic frameworks for large-scale preparation and applications in water quality management based on surveys made since 2015. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4038-4071.	6.6	9
1476	Ultrasound-Assisted Synthesis of Luminescent Micro- and Nanocrystalline Eu-Based MOFs as Luminescent Probes for Heavy Metal Ions. <i>Nanomaterials</i> , 2021, 11, 2448.	1.9	7
1477	C2s/C1 hydrocarbon separation: The major step towards natural gas purification by metal-organic frameworks (MOFs). <i>Coordination Chemistry Reviews</i> , 2021, 442, 213998.	9.5	64
1478	Hybrid Eu III Coordination Luminophore Standing on Two Legs on Silica Nanoparticles for Enhanced Luminescence. <i>Chemistry - A European Journal</i> , 2021, 27, 14438-14443.	1.7	3
1479	Interparticle Forces of a Native and Encapsulated Metal-Organic Framework and Their Effects on Colloidal Dispersion. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45898-45906.	4.0	3
1480	Two unusual metal-organic frameworks based on W/S/Cu clusters and Tetrakis(4-pyridyl)benzene: Enhanced nonlinear optics and efficient luminescence sensing. <i>Journal of Solid State Chemistry</i> , 2021, 301, 122349.	1.4	1
1481	Luminescent 2D Pillared-Bilayer Metal-Organic Coordination Networks for Selective Sensing of ReO ₄ ⁻ in Water. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45465-45474.	4.0	18
1482	Electrospun rhodamine@MOF/polymer luminescent fibers with a quantum yield of over 90%. <i>IScience</i> , 2021, 24, 103035.	1.9	11

#	ARTICLE	IF	CITATIONS
1483	Structural heterogeneity and dynamics in flexible metal-organic frameworks. <i>Cell Reports Physical Science</i> , 2021, 2, 100544.	2.8	14
1484	Synthesis, structure and magnetocaloric properties of a new two-dimensional gadolinium(III) coordination polymer based on azobenzene-2,2',3,3'-tetracarboxylic acid. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 591-598.	0.2	2
1485	Luminescent Metal-Phenolic Networks for Multicolor Particle Labeling. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24968-24975.	7.2	27
1486	Eight-Fold Interpenetrating Diamondoid Coordination Polymers for Sensing Volatile Organic Compounds and Metal Ions. <i>Polymers</i> , 2021, 13, 3018.	2.0	7
1487	Solid-State Synthesis of Defect-Rich Zr-Uio-66 Metal-Organic Framework Nanoparticles for the Catalytic Ring Opening of Epoxides with Alcohols. <i>ACS Applied Nano Materials</i> , 2021, 4, 9752-9759.	2.4	8
1488	Highly stable terbium(III)-based metal-organic framework for the detection of m-dinitroaromatics and Fe ³⁺ in water. <i>Inorganica Chimica Acta</i> , 2021, 525, 120454.	1.2	9
1489	Photophysics of azobenzene constrained in a UiO metal-organic framework: effects of pressure, solvation and dynamic disorder. <i>Chemistry - A European Journal</i> , 2021, 27, 14871-14875.	1.7	6
1490	Synthesis of FeNiCo Ternary Hydroxides through Green Grinding Method with Metal-Organic Frameworks as Precursors for Oxygen Evolution Reaction. <i>ChemSusChem</i> , 2021, 14, 5042-5048.	3.6	5
1491	Pillar[5]arene-based Three-Component Supramolecular Assembly and the Performance of Nitrobenzene-based Explosive Fluorescence Sensing. <i>ChemistrySelect</i> , 2021, 6, 9363-9367.	0.7	4
1492	A Dual-emitting Two-dimensional Nickel-based Metal-organic Framework Nanosheets: Eu ³⁺ /Ag ⁺ Functionalization Synthesis and Ratiometric Sensing in Aqueous Solution. <i>Journal of Fluorescence</i> , 2021, 31, 1947-1957.	1.3	9
1493	Novel Eu-MOF-based mixed matrix membranes and 1D Eu-MOF-based ratiometric fluorescent sensor for the detection of metronidazole and PA in water. <i>Dyes and Pigments</i> , 2022, 197, 109812.	2.0	23
1494	Ratiometric recognition of humidity by a europium-organic framework equipped with quasi-open metal site. <i>Science China Chemistry</i> , 2021, 64, 1723-1729.	4.2	7
1495	Cu-BTC Metal-Organic Frameworks as Catalytic Modifier for Ultrasensitive Electrochemical Determination of Methocarbamol in the Presence of Methadone. <i>Journal of the Electrochemical Society</i> , 2021, 168, 097507.	1.3	15
1496	Inorganic-organic hybrids assembled by flexible multidentate linker: design, structure and luminescence. <i>Transition Metal Chemistry</i> , 0, , 1.	0.7	0
1497	Magnetic and pH responsive composite hydrogel-based on poly(2-(diethylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td (m 2021, 168, 105050.	2.0	7
1498	Recent progress in the removal of mercury ions from water based MOFs materials. <i>Coordination Chemistry Reviews</i> , 2021, 443, 214034.	9.5	93
1499	Strong Coupling Between Plasmons and Molecular Excitons in Metal-Organic Frameworks. <i>Nano Letters</i> , 2021, 21, 7775-7780.	4.5	21
1500	Insights on Luminescent Micro- and Nanospheres of Infinite Coordination Polymers. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	3

#	ARTICLE	IF	CITATIONS
1501	Bilanthanide Metal-Organic Frameworks for Instant Detection of 17 β -Estradiol, a Vital Physiological Index. <i>Small Structures</i> , 2022, 3, 2100113.	6.9	21
1502	Two-dimensional MOFs: Design & Synthesis and Applications. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3281-3298.	1.7	23
1503	Non-injective gas sensor arrays: identifying undetectable composition changes. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 464003.	0.7	2
1504	Luminescent Metal-Phenolic Networks for Multicolor Particle Labeling. <i>Angewandte Chemie</i> , 0, , .	1.6	4
1505	A hydrolytically stable amino-functionalized Zinc(II) metal-organic framework containing nanocages for selective gas adsorption and luminescent sensing. <i>Microporous and Mesoporous Materials</i> , 2021, 326, 111396.	2.2	82
1506	Improved electrochemical performances by Ni-catecholate-based metal organic framework grown on NiCoAl-layered double hydroxide/multi-wall carbon nanotubes as cathode catalyst in microbial fuel cells. <i>Bioresource Technology</i> , 2021, 337, 125430.	4.8	35
1507	A multivariate luminescent MOF based on dye covalently modification serving as a sensitive sensor for Cr ₂ O ₇ ²⁻ , CrO ₄ ²⁻ anions and its applications. <i>Dyes and Pigments</i> , 2021, 194, 109588.	2.0	34
1508	Triazole-based lanthanide(III) adducts: Photo- and thermochromic luminescence. <i>Journal of Luminescence</i> , 2021, 238, 118305.	1.5	14
1509	Luminescent lanthanide nanocomposites in thermometry: Chemistry of dopant ions and host matrices. <i>Coordination Chemistry Reviews</i> , 2021, 444, 214040.	9.5	96
1510	A New Electrically Conducting Metal-Organic Framework Featuring U-Shaped cis-Dipyridyl Tetrathiafulvalene Ligands. <i>Frontiers in Chemistry</i> , 2021, 9, 726544.	1.8	4
1511	Ultra-Stable Metal-Organic Framework with Concurrent High Proton Conductivity and Fluorescence Sensing for Nitrobenzene. <i>Chemistry of Materials</i> , 2021, 33, 7858-7868.	3.2	35
1512	The effect of pH on the coordination sphere of Pb(II) ions and structural diversity of Pb(II) coordination polymers. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122475.	1.4	4
1513	A new strategy to fabricate multifunctional luminescent MOFs, extending their application range from pH sensing to amino acid information coding. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 427-436.	5.0	17
1514	Two 2D metal-organic frameworks containing flexible bis(benzimidazole) derivatives for selective sensing of acetylacetone and Fe ³⁺ ions. <i>Inorganica Chimica Acta</i> , 2021, 527, 120551.	1.2	6
1515	Two water-stable Cd(II)-MOFs as multiresponsive chemosensor with high sensitivity and selective detection of Fe ³⁺ , Cr ₂ O ₇ ²⁻ and MnO ₄ ²⁻ ions. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122538.	1.4	11
1516	Two new 2D Cd(II) coordination polymers as luminescent chemosensors for detection of acetylacetone and Fe ³⁺ ions. <i>Journal of Molecular Structure</i> , 2021, 1244, 130954.	1.8	13
1517	Design and synthesis of a stable multifunctional photoluminescence sensing material for rare earth ions from a 2D undulating Cd-coordination polymer. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130641.	4.0	5
1518	The design, synthesis and fluorescent sensing applications of a thermo-sensitive Zn-MOF. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122476.	1.4	4

#	ARTICLE	IF	CITATIONS
1519	Solvent mediated photoluminescence responses over mixed-linker cadmium (II) based metal-organic frameworks. <i>Polyhedron</i> , 2021, 208, 115444.	1.0	1
1521	Cadmium(II) coordination polymers containing bis(benzimidazole) ligands: Synthesis, crystal structures, sensing and photocatalytic degradation of dye. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122608.	1.4	12
1522	A lanthanide metal-organic framework as ratio fluorescence probe to detect pesticides in water. <i>Inorganica Chimica Acta</i> , 2021, 528, 120632.	1.2	8
1523	A microporous metal-organic framework with triangular channels for C ₂ H ₆ /C ₂ H ₄ adsorption separation. <i>Separation and Purification Technology</i> , 2021, 276, 119424.	3.9	13
1524	A dual-responsive Ni(II) coordination polymer fluorescent sensor: Rare turn-on detection of ascorbic acid and turn-off sensing acetylacetone. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122561.	1.4	11
1525	An Eu-based MOF as fluorescent probe for the sensitive detection of L-tryptophan. <i>Journal of Solid State Chemistry</i> , 2021, 304, 122555.	1.4	16
1526	A new 2D Zn(II) coordination polymer as luminescent probe for highly selective detection of nitrofurazone. <i>Journal of Molecular Structure</i> , 2021, 1245, 131264.	1.8	4
1527	Construction of four Zn(II)/Cd(II) coordination polymers with flexible isomer ligands: Chemosensor for antibiotic. <i>Cleaner Engineering and Technology</i> , 2021, 5, 100276.	2.1	0
1528	Luminescent binuclear Zinc(II) organic framework as bifunctional water-stable chemosensor for efficient detection of antibiotics and Cr(VI) anions in water. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120232.	2.0	73
1529	ZIF-8@GMP-Tb nanocomplex for ratiometric fluorescent detection of alkaline phosphatase activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120230.	2.0	15
1530	Selective adsorption and detection of p-arsanilic acid on MOF-on-MOF heterostructure induced by nitrogen-rich self-assembly template. <i>Chemical Engineering Journal</i> , 2022, 427, 131483.	6.6	24
1531	Photonic crystal barcode: An emerging tool for cancer diagnosis. <i>Smart Materials in Medicine</i> , 2021, 2, 182-195.	3.7	5
1532	Four anionic Ln-MOFs for remarkable separation of C ₂ H ₂ -CH ₄ /CO ₂ -CH ₄ and highly sensitive sensing of nitrobenzene. <i>CrystEngComm</i> , 2021, 23, 2788-2792.	1.3	11
1533	Multimetal lanthanide phosphonocarboxylate frameworks: structures, colour tuning and near-infrared emission. <i>Dalton Transactions</i> , 2021, 50, 7380-7387.	1.6	3
1534	TIPA-ligand-based luminescent Cd(II) organic frameworks as an outstanding sensor for detecting Fe ³⁺ in an aqueous medium. <i>CrystEngComm</i> , 2021, 23, 5516-5521.	1.3	17
1535	Recent advances in the capture and abatement of toxic gases and vapors by metal-organic frameworks. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5970-6013.	3.2	44
1536	A unique photoswitch: intrinsic photothermal heating induced reversible proton conductivity of a HKUST-1 membrane. <i>Dalton Transactions</i> , 2021, 50, 2731-2735.	1.6	12
1537	Recent progress in the development of MOF-based optical sensors for Fe ³⁺ . <i>Dalton Transactions</i> , 2021, 50, 7139-7155.	1.6	32

#	ARTICLE	IF	CITATIONS
1538	Indicator displacement assays: from concept to recent developments. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5926-5981.	1.5	27
1539	Ancillary ligand enabled structural and fluorescence diversity in metal-organic frameworks: application for the ultra-sensitive detection of nitrofurantoin antibiotics. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1290-1296.	3.0	24
1540	A dual-emissive europium-based metal-organic framework for selective and sensitive detection of Fe ³⁺ and Fe ²⁺ . <i>Dalton Transactions</i> , 2021, 50, 13823-13829.	1.6	10
1541	Synthesis of a bimetallic metal-organic framework catalyst <i>via</i> selective detection and adsorption of Fe ³⁺ for enhanced bio-based catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4998-5005.	3.0	7
1542	Recent advances in molecular logic gate chemosensors based on luminescent metal organic frameworks. <i>Dalton Transactions</i> , 2021, 50, 14967-14977.	1.6	62
1543	Nanomaterials: a review of synthesis methods, properties, recent progress, and challenges. <i>Materials Advances</i> , 2021, 2, 1821-1871.	2.6	1,049
1544	Metal-organic frameworks as photoluminescent biosensing platforms: mechanisms and applications. <i>Chemical Society Reviews</i> , 2021, 50, 4484-4513.	18.7	322
1545	Two Cd(II) Complexes Based on Carboxylate and Bis(imidazolyl) Ligands: Syntheses, Crystal Structures and Luminescence Properties. <i>Journal of Cluster Science</i> , 2022, 33, 321-329.	1.7	1
1546	Eu ³⁺ functionalized robust membranes based on the post-synthetic copolymerization of a metal-organic framework and ethyl methacrylate. <i>Dalton Transactions</i> , 2021, 50, 7597-7603.	1.6	4
1547	Conformational isomerism involving the carboxylate groups of a linker in metal organic frameworks and its distinctive influence on the detection of ketones. <i>New Journal of Chemistry</i> , 2021, 45, 20219-20226.	1.4	7
1548	A Cr^{3+} ion probe based on non-luminescent metal-organic framework-new strategy to prepare a recovery probe. <i>Journal of Materials Chemistry A</i> , 2021, 9, 13552-13561.	5.2	20
1549	Controllable self-assembly from homonuclear Mn(II)-MOF to heteronuclear Mn(II)-K(I)-MOF by alkali-regulation: A novel mode of structural and luminescent regulation for off-on sensing ascorbic acid. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6160.	1.7	0
1550	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. <i>Dalton Transactions</i> , 2021, 50, 4408-4414.	1.6	9
1551	Chemical sensors based on a Eu(III)-centered periodic mesoporous organosilica hybrid material using picolinic acid as an efficient secondary ligand. <i>Dalton Transactions</i> , 2021, 50, 11061-11070.	1.6	4
1552	Eu-MOF and its mixed-matrix membranes as a fluorescent sensor for quantitative ratiometric pH and folic acid detection, and visible fingerprint identifying. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4924-4932.	3.0	36
1553	Long-lived highly emissive MOFs as potential candidates for multiphotonic applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15463-15469.	2.7	13
1554	Selective fluorescent sensing of LMOFs constructed from tri(4-pyridylphenyl)amine ligand. <i>RSC Advances</i> , 2021, 11, 16989-16995.	1.7	11
1555	A visual logic alarm sensor for diabetic patients towards diabetic polyneuropathy based on a metal-organic framework functionalized by dual-cation exchange. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3440-3446.	2.7	20

#	ARTICLE	IF	CITATIONS
1556	Construction of three new Co(^{II})-organic frameworks based on diverse metal clusters: highly selective C ₂ H ₂ and CO ₂ capture and magnetic properties. CrystEngComm, 2021, 23, 2439-2446.	1.3	6
1557	A fluorescence red-shift and turn-on sensor for acetylacetone derived from Zn ^{II} -based metal-organic framework with new topology. CrystEngComm, 2021, 23, 2532-2537.	1.3	21
1558	Why conductivity is not always king – physical properties governing the capacitance of 2D metal-organic framework-based EDLC supercapacitor electrodes: a Ni ₃ (HITP) ₂ case study. Faraday Discussions, 2021, 231, 298-304.	1.6	12
1559	Ultrastable cucurbit[6]uril-based multifunctional supramolecular assembly for efficient detection of nitroaromatic compounds and antibiotics. New Journal of Chemistry, 0, , .	1.4	1
1560	A Eu(III)-based Metal Organic Framework: Selective Sensing of Picric Acid and Nursing Application Values On the Cerebral Edema Induced by Cerebral Hemorrhage Via Reducing the Coagulation Factor II Activity. Journal of Fluorescence, 2021, 31, 385-392.	1.3	4
1561	Structures and Catalytic Oxidative Coupling Reaction of Four Co-MOFs Modified by R-isophthalic acid (R=H, OH and COOH) and Trigonal ligands. CrystEngComm, 0, , .	1.3	2
1562	Stimuli -triggered fluoro-switching in metal-organic frameworks: applications and outlook. Dalton Transactions, 2021, 50, 4067-4090.	1.6	24
1563	Acid and Base Resistant Zirconium Polyphenolate-Metalloporphyrin Scaffolds for Efficient CO ₂ Photoreduction. Advanced Materials, 2018, 30, 1704388.	11.1	184
1564	Recent Progress of Nanoscale Metal-Organic Frameworks in Synthesis and Battery Applications. Advanced Science, 2021, 8, 2001980.	5.6	58
1565	Molecular Spring-Like Triple-Helix Coordination Polymers as Dual-Stress and Thermally Responsive Crystalline Metal-Organic Materials. Angewandte Chemie - International Edition, 2020, 59, 16061-16068.	7.2	39
1566	Synthesis, Structure, and Proton Conductivities of a Mg(^{II})-based Coordination Polymer Composed of an Exotic Oxidized Ligand. Bulletin of the Korean Chemical Society, 2021, 42, 322-325.	1.0	12
1567	Nano-architectonics for coordination assemblies at interfacial media. Advances in Inorganic Chemistry, 2020, 76, 199-228.	0.4	4
1568	Sensitive detection of streptomycin in milk using a hybrid signal enhancement strategy of MOF-based bio-bar code and target recycling. Analytica Chimica Acta, 2020, 1125, 1-7.	2.6	38
1569	Electron-rich anthracene-based twisted π-system as a highly fluorescent dye: Easy recognition of solvents and volatile organic compounds. Dyes and Pigments, 2020, 181, 108543.	2.0	18
1570	MOF-based materials for photo- and electrocatalytic CO ₂ reduction. EnergyChem, 2020, 2, 100033.	10.1	177
1571	A new three sensing channels platform of Eu@Zn-MOF for quantitative detection of Cr(III). Inorganic Chemistry Communication, 2020, 116, 107898.	1.8	6
1572	Metal-organic framework/poly (μ-caprolactone) hybrid electrospun nanofibrous membranes with effective photodynamic antibacterial activities. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112626.	2.0	34
1573	Two high tunable proton-conducting cobalt(II) complexes derived from imidazole multi-carboxylate-based ligand. Journal of Solid State Chemistry, 2020, 286, 121313.	1.4	5

#	ARTICLE	IF	CITATIONS
1574	An ultra-stable Cd coordination polymer based on double-chelated ligand for efficient dual-response of TNP and MnO ₄ ⁻ . <i>Sensors and Actuators B: Chemical</i> , 2020, 317, 128230.	4.0	27
1575	Metal-Organic Frameworks with Multiple Luminescence Emissions: Designs and Applications. <i>Accounts of Chemical Research</i> , 2020, 53, 485-495.	7.6	355
1576	Synthesis of Two-Dimensional Metal-Organic Frameworks via Dehydrogenation Reactions on a Cu(111) Surface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12390-12396.	1.5	15
1577	Vibrational Paddlewheel Cu-Cu Node in Metal-Organic Frameworks: Probe of Nonradiative Relaxation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13187-13195.	1.5	10
1578	Chapter 4. Ionic Liquid Electrolytes for Graphene-based Supercapacitors with an Ultrahigh Energy Density. <i>RSC Smart Materials</i> , 2019, , 95-128.	0.1	2
1579	A rare Pb ₉ cluster-organic framework constructed from a flexible cyclotriphosphazene-functionalized hexacarboxylate exhibiting selective gas separation. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1501-1508.	3.0	34
1580	Aqueous-phase detection of antibiotics and nitroaromatic explosives by an alkali-resistant Zn-MOF directed by an ionic liquid. <i>RSC Advances</i> , 2020, 10, 1439-1446.	1.7	77
1581	Zinc-tetracarboxylate framework material with nano-cages and one-dimensional channels for excellent selective and effective adsorption of methyl blue dye. <i>RSC Advances</i> , 2020, 10, 3539-3543.	1.7	7
1582	Recent advances in metal-organic frameworks for pesticide detection and adsorption. <i>Dalton Transactions</i> , 2020, 49, 14361-14372.	1.6	52
1583	A zinc ²⁺ -dabt framework: luminescence sensing of Cu ²⁺ , Ag ⁺ , MnO ₄ ⁻ and Cr(VI) (Cr ₂ O ₇ ²⁻) Tj ETQq1 1 0.784314	1.7	43
1584	A built-in self-calibrating luminescence sensor based on RhB@Zr-MOF for detection of cations, nitro explosives and pesticides. <i>RSC Advances</i> , 2020, 10, 19149-19156.	1.7	51
1585	Synthesis, structural characterization, antibiotics sensing and coordination chemistry of a fluorescent 4-amino-1,8-naphthalimide Tröger's base supramolecular scaffold. <i>Supramolecular Chemistry</i> , 2020, 32, 620-633.	1.5	13
1586	Zinc metal-organic framework with 3-pyridinecarboxaldehyde and trimesic acid as co-ligands for selective detection of Cr(VI) ions in aqueous solution. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 045007.	1.1	8
1587	Killing two birds with one stone: 2D+2D→3D parallel stacking and 3D self-penetrating structures in one reaction and their crystal-to-crystal transformation. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 657-666.	0.2	2
1588	A novel three-dimensional tetranuclear Co _{II} coordination polymer with water hexamers based on the V-shaped tetracarboxylate ligand 4-(2,4-dicarboxylatophenoxy)phthalate. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 863-868.	0.2	2
1589	Large-range, continuously tunable perfect absorbers based on Dirac semimetals. <i>Optics Express</i> , 2020, 28, 7350.	1.7	16
1590	Mesoporous Crystalline Silver-Chalcogenolate Cluster-Assembled Material with Tailored Photoluminescence Properties. <i>CCS Chemistry</i> , 2019, 1, 553-560.	4.6	39
1591	An europium(III) metal-organic framework as a multi-responsive luminescent sensor for highly sensitive and selective detection of 4-nitrophenol and I ⁻ and Fe ³⁺ ions in water. <i>Dalton Transactions</i> , 2021, 50, 15593-15601.	1.6	15

#	ARTICLE	IF	CITATIONS
1592	Post-synthetically modified metal-organic frameworks for sensing and capture of water pollutants. Dalton Transactions, 2021, 50, 17832-17850.	1.6	22
1593	Biomedical applications of metal-organic framework (MOF)-based nano-enzymes. New Journal of Chemistry, 2021, 45, 20987-21000.	1.4	59
1594	Chapter 14. The Potential Applications of MOF-based Materials in Wastewater Treatment. Chemistry in the Environment, 2021, , 405-425.	0.2	0
1595	A hydrostable Zn ²⁺ coordination polymer for multifunctional detection of inorganic and organic contaminants in water. Dalton Transactions, 2021, 50, 16110-16121.	1.6	22
1596	The molecular sieving mechanism of a polysulfide-blocking metal-organic framework separator for lithium-sulfur batteries. Journal of Materials Chemistry A, 2021, 9, 23929-23940.	5.2	10
1597	A metal-organic framework featuring highly sensitive fluorescence sensing for Al ³⁺ ions. CrystEngComm, 2021, 23, 8087-8092.	1.3	14
1598	Highly Selective and Sensitive Detection of Volatile Sulfur Compounds by Ionically Conductive Metal-Organic Frameworks. Advanced Materials, 2021, 33, e2104120.	11.1	25
1599	Plant-Based Structures as an Opportunity to Engineer Optical Functions in Next-Generation Light Management. Advanced Materials, 2022, 34, e2104473.	11.1	48
1600	Dual-Functional Metal-Organic Framework for Luminescent Detection of Carcinoid Biomarkers and High Proton Conduction. Inorganic Chemistry, 2021, 60, 17303-17314.	1.9	25
1601	Synthesis of copper-based metal-organic framework for sensing nitroaromatic compounds. Inorganic Chemistry Communication, 2021, 134, 109017.	1.8	8
1602	Fabrication of Robust and Porous Lead Chloride-Based Metal-Organic Frameworks toward a Selective and Sensitive Smart NH ₃ Sensor. ACS Applied Materials & Interfaces, 2021, 13, 52765-52774.	4.0	18
1603	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. Inorganic Chemistry, 2021, 60, 16782-16793.	1.9	5
1604	Screening and Discrimination of Perfluoroalkyl Substances in Aqueous Solution Using a Luminescent Metal-Organic Framework Sensor Array. ACS Applied Materials & Interfaces, 2021, 13, 47706-47716.	4.0	16
1605	Failure-Experiment-Supported Optimization of Poorly Reproducible Synthetic Conditions for Novel Lanthanide Metal-Organic Frameworks with Two-Dimensional Secondary Building Units**. Chemistry - A European Journal, 2021, 27, 16347-16353.	1.7	6
1606	A water-stable 3-fold parallel interpenetrated Cd(II) coordination polymer as multi-responsive luminescent sensor for detecting Fe ³⁺ , Cr ₂ O ₇ ²⁻ and FZD in aqueous media. Journal of Molecular Structure, 2021, , 131792.	1.8	3
1607	Fast Detection of Entacapone by a Lanthanide-Organic Framework with Rhombic Channels. Chemistry - A European Journal, 2021, 27, 17459-17464.	1.7	15
1608	Functionalization using biocompatible carboxylated cyclodextrins of iron-based nanoMIL-100. Polyhedron, 2021, 210, 115509.	1.0	1
1609	Synthesis, Structure and Fluorescence Properties of Transition Metal Coordination Polymers Constructed by 3,5-bis(3- TM ,5- TM -dicarboxylphenyl)-1H-1,2,4-triazole. Journal of Advances in Physical Chemistry, 2018, 07, 163-173.	0.1	0

#	ARTICLE	IF	CITATIONS
1610	Assembly, Structure, and Properties of Six Coordination Polymers Based on 1,3,5-Tri-4-pyridyl-1,2-ethenylbenzene. <i>Australian Journal of Chemistry</i> , 2019, 72, 751.	0.5	1
1611	Two Zn ^{II} -based MOFs constructed with biphenyl-2,2',5,5'-tetracarboxylic acid and flexible N-donor ligands: syntheses, structures and properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 547-556.	0.2	1
1612	Self-Assembly of Metal-Organic Frameworks in Pickering Emulsions Stabilized with Graphene Oxide. <i>Colloid Journal</i> , 2021, 83, 614-626.	0.5	6
1613	Water-stable Zn-based metal-organic framework with hydrophilic-hydrophobic surface for selective adsorption and sensitive detection of oxo-anions and pesticides in aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106667.	3.3	17
1614	From Sintering to Particle Discrimination: New Opportunities in Metal-Organic Frameworks Scintillators. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	7
1615	Large scale synthesis and propylene purification by a high-performance MOF sorbent Y-abtc. <i>Separation and Purification Technology</i> , 2022, 282, 120010.	3.9	12
1617	Coordination polymers driven by 2,5-dibromoterephthalic acid and chelating co-ligands: Syntheses, structures and luminescent properties. <i>Journal of Solid State Chemistry</i> , 2020, 292, 121721.	1.4	2
1618	Lanthanide Isophthalate Metal-Organic Frameworks: Crystal Structure, Thermal Behavior, and White Luminescence. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 398-404.	1.0	3
1619	Logic operation for differentiation and speciation of Fe ³⁺ and Fe ²⁺ based on two-dimensional metal-organic frameworks with tunable emissions. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	1.7	5
1620	A Cd-MOF fluorescence sensor with dual functional sites for efficient detection of metal ions in multifarious water environments. <i>CrystEngComm</i> , 2021, 23, 8392-8403.	1.3	20
1621	Stable hydrogen-bonded organic frameworks for selective fluorescence detection of Al ³⁺ and Fe ³⁺ ions. <i>CrystEngComm</i> , 2021, 23, 8334-8342.	1.3	4
1622	A dual fluorescent sensor coordination polymer for efficient recognition of acetylacetone and Cr(VI) anions. <i>Inorganica Chimica Acta</i> , 2022, 529, 120666.	1.2	5
1623	Engineering luminescent metal nanoclusters for sensing applications. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214268.	9.5	79
1624	Conductive MOFs based on Thiol-functionalized Linkers: Challenges, Opportunities, and Recent Advances. <i>Coordination Chemistry Reviews</i> , 2022, 450, 214235.	9.5	42
1625	Fabrication of high loading V ₂ O ₅ /TiO ₂ catalysts derived from metal-organic framework with excellent activity for chlorobenzene decomposition. <i>Applied Surface Science</i> , 2022, 572, 151511.	3.1	16
1626	Sulfonic and phosphonic porous solids as proton conductors. <i>Coordination Chemistry Reviews</i> , 2022, 451, 214241.	9.5	63
1627	Mimetic sea cucumber-shaped nanoscale metal-organic frameworks composite for enhanced photodynamic therapy. <i>Dyes and Pigments</i> , 2022, 197, 109920.	2.0	7
1628	Electrovalent bifunctional acid enables heterogeneously catalytic production of biodiesel by (trans)esterification of non-edible oils. <i>Fuel</i> , 2022, 310, 122273.	3.4	31

#	ARTICLE	IF	CITATIONS
1630	An ultra-high quantum yield Tb-MOF with phenolic hydroxyl as the recognition group for a highly selective and sensitive detection of Fe ³⁺ . Journal of Materials Chemistry C, 2021, 9, 15840-15847.	2.7	36
1631	Metal-organic framework engineered corn-like SERS active Ag@Carbon with controllable spacing distance for tracking trace amount of organic compounds. Journal of Hazardous Materials, 2022, 424, 127686.	6.5	14
1632	Metal-Organic-Frameworks: Low Temperature Gas Sensing and Air Quality Monitoring. Chemosensors, 2021, 9, 316.	1.8	13
1633	Gas sorption properties and kinetics of porous bismuth-based metal-organic frameworks and the selective CO ₂ and SF ₆ sorption on a new bismuth trimesate-based structure UU-200. Microporous and Mesoporous Materials, 2022, 329, 111548.	2.2	19
1634	Rational design of a novel two-dimensional porous metal-organic framework material for efficient benzene sensor. Chinese Chemical Letters, 2022, 33, 3726-3732.	4.8	9
1635	Sensing Intra- and Extra-cellular Ca ²⁺ in the Islet of Langerhans. Advanced Functional Materials, 2022, 32, 2106020.	7.8	0
1636	Dual-Functional Coordination Polymer with High Proton Conductivity and a Low-Detection-Limit Fluorescent Probe. Journal of Physical Chemistry B, 2021, 125, 12627-12635.	1.2	1
1637	Bimetallic Cd/Zr-UiO-66 material as a turn-on/off probe for As ⁵⁺ /Fe ³⁺ in organic media. Chemosphere, 2022, 291, 132827.	4.2	7
1638	Novel indoleoxazine derivative cyanide ion probe: Detection applications and cell-imaging studies. Journal of Molecular Structure, 2022, 1251, 131893.	1.8	4
1639	One amino-functionalized luminescence sensor demonstrating high sensitivity and selectivity for detecting Al ³⁺ and Cu ²⁺ as well as its luminescent mixed matrix membranes and test papers. Journal of Solid State Chemistry, 2022, 305, 122705.	1.4	2
1640	Two multifunctional LnMOFs as recyclable luminescent sensors for sensitive detection of nitro-aromatic compounds. Molecular Crystals and Liquid Crystals, 2020, 711, 32-40.	0.4	0
1641	Chiral fluorescence recognition of glutamine enantiomers by a modified Zr-based MOF based on solvent-assisted ligand incorporation. RSC Advances, 2021, 11, 37584-37594.	1.7	11
1642	An excellent water-stable 3D Zn-MOF with 8-fold interpenetrated diamondoid topology showing a turn-on/turn-off luminescent detection of Al ³⁺ and SNT in aqueous media. RSC Advances, 2021, 11, 32622-32629.	1.7	7
1643	Four MOFs with isomeric ligands as fluorescent probes for highly selective, sensitive and stable detection of antibiotics in water. CrystEngComm, 2021, 24, 169-181.	1.3	11
1644	pH dependent sensitization of europium in a hydrogen bonded three-dimensional metal-organic compound with (4 ⁹ 6 ⁶) ₂ (4 ⁴ 6 ²) ₃ topology: luminescence titration and time-resolved studies. Materials Advances, 2022, 3, 1182-1190.	2.6	3
1645	Porous porphyrin-based metal-organic frameworks: synthesis, structure, sorption properties and application prospects. Russian Chemical Reviews, 2022, 91, .	2.5	12
1646	UiO-67-derived bithiophene and bithiazole MIXMOFs for luminescence sensing and removal of contaminants of emerging concern in wastewater. Inorganic Chemistry Frontiers, 2021, 9, 90-102.	3.0	3
1647	Mind the gap! tailoring sol-gel ceramic mesoporous coatings on labile metal-organic frameworks through kinetic control. Inorganic Chemistry Frontiers, 2022, 9, 221-230.	3.0	1

#	ARTICLE	IF	CITATIONS
1648	Excellent application value of a rare pentanuclear [Ca ₅ (COO) ₈] cluster-based compound in atherosclerosis treatment and nursing. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100277.	1.3	0
1649	Current progress in organic–inorganic hetero-nano-interfaces based electrochemical biosensors for healthcare monitoring. <i>Coordination Chemistry Reviews</i> , 2022, 452, 214282.	9.5	57
1650	BODIPY based metal-organic macrocycles and frameworks: Recent therapeutic developments. <i>Coordination Chemistry Reviews</i> , 2022, 452, 214308.	9.5	46
1651	Metal-organic framework-based sensors for the detection of toxins and foodborne pathogens. <i>Food Control</i> , 2022, 133, 108684.	2.8	28
1652	Three Robust Blue-Emitting Anionic Metal–Organic Frameworks with High Stability and Good Proton Conductivities. <i>Inorganic Chemistry</i> , 2021, 60, 17926-17932.	1.9	15
1653	Three–in–One C ₂ H ₂ –Selectivity–Guided Adsorptive Separation across an Isoreticular Family of Cationic Square–Lattice MOFs. <i>Angewandte Chemie</i> , 2022, 134, e202114132.	1.6	2
1654	Moisture-tolerant diamine-appended metal–organic framework composites for effective indoor CO ₂ capture through facile spray coating. <i>Chemical Engineering Journal</i> , 2022, 433, 133856.	6.6	16
1655	High–Efficiency Wideband Excitable Mechanoluminescence from a Yellow MOF Phosphor as White LED and Multicolor Thin Films. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	15
1656	Ratiometric fluorescence sensing of UiO-66-NH ₂ toward hypochlorite with novel dual emission in vitro and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131032.	4.0	17
1657	Phase engineering of metal–organic frameworks. <i>Aggregate</i> , 2022, 3, e145.	5.2	15
1658	Three–in–One C ₂ H ₂ –Selectivity–Guided Adsorptive Separation across an Isoreticular Family of Cationic Square–Lattice MOFs. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	33
1659	A Cd(II) Luminescent Coordination Grid as a Multiresponsive Fluorescence Sensor for Cr(VI) Oxyanions and Cr(III), Fe(III), and Al(III) in Aqueous Medium. <i>Molecules</i> , 2021, 26, 7103.	1.7	2
1660	Emerging Theranostic Nanomaterials in Diabetes and Its Complications. <i>Advanced Science</i> , 2022, 9, e2102466.	5.6	43
1661	Water-stable europium(III) and terbium(III)-metal organic frameworks as fluorescent sensors to detect ions, antibiotics and pesticides in aqueous solutions. <i>Journal of Molecular Structure</i> , 2022, 1251, 132009.	1.8	34
1662	Novel cerium-based MOFs photocatalyst for photocarrier collaborative performance under visible light. <i>Journal of Catalysis</i> , 2022, 405, 74-83.	3.1	27
1663	Selective and Sensitive Fluorescence Turn–on Detection of Cyanide Ions in Water by Post Metallization of a MOF. <i>ChemPlusChem</i> , 2021, 87, e202100426.	1.3	6
1664	Connectivity Replication of Neutral Eu ³⁺ - and Tb ³⁺ -Based Metal–Organic Frameworks (MOFs) from Anionic Cd ²⁺ -Based MOF Crystallites. <i>Inorganic Chemistry</i> , 2021, 60, 18614-18619.	1.9	3
1665	Template-Directed Fabrication of Highly Efficient Metal–Organic Framework Photocatalysts. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58619-58629.	4.0	9

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1666	MOFs in the time domain. <i>Nature Reviews Chemistry</i> , 2022, 6, 9-30.	13.8	34
1667	Excellent quantum yield enhancement in luminescent metal-organic layer for sensitive detection of antibiotics in aqueous medium. <i>Dyes and Pigments</i> , 2022, 198, 109961.	2.0	6
1668	Metal Organic Frameworks to Remove Arsenic Adsorption from Wastewater. <i>Environmental Footprints and Eco-design of Products and Processes</i> , 2022, , 1-35.	0.7	1
1669	Self-assembled porous nanoparticles based on silicone polymers with aggregation-induced emission for highly sensitive detection of nitroaromatics. <i>Polymer Chemistry</i> , 2021, 12, 7016-7022.	1.9	1
1670	A photoprogrammable electronic nose with switchable selectivity for VOCs using MOF films. <i>Chemical Science</i> , 2021, 12, 15700-15709.	3.7	28
1671	A multi-responsive luminescent sensor based on a stable Eu(III) metal-organic framework for sensing Fe ³⁺ , MnO ₄ ²⁻ , and Cr ₂ O ₇ ²⁻ in aqueous solutions. <i>CrystEngComm</i> , 2022, 24, 1041-1048.	1.3	20
1672	Bright red emission with high color purity from Eu(III) complexes with π -conjugated polycyclic aromatic ligands and their sensing applications. <i>RSC Advances</i> , 2021, 12, 810-821.	1.7	17
1673	Post-synthetic modification within MOFs: a valuable strategy for modulating their ferroelectric performance. <i>CrystEngComm</i> , 2022, 24, 724-737.	1.3	7
1674	Lanthanide-based, water-soluble, white light-emitting coordination complexes for multitarget luminescence detection. <i>Journal of Molecular Liquids</i> , 2022, 347, 118353.	2.3	3
1675	Application of solid-state NMR techniques for structural characterization of metal-organic frameworks. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, 117, 101772.	1.5	14
1676	Luminescent composites by in-situ encapsulating dye in IRMOF-3 for ratiometric temperature sensing and tunable white light emission. <i>Dyes and Pigments</i> , 2022, 198, 110000.	2.0	8
1677	Urea and thiourea based coordination polymers and metal-organic frameworks: Synthesis, structure and applications. <i>Coordination Chemistry Reviews</i> , 2022, 453, 214314.	9.5	24
1678	Interfacial self-assembly of porphyrin-based SURMOF/graphene oxide hybrids with tunable pore size: An approach toward size-selective ambivalent heterogeneous photocatalysts. <i>Applied Surface Science</i> , 2022, 579, 152080.	3.1	13
1679	Synthesis, modifications and applications of MILs Metal-organic frameworks for environmental remediation: The cutting-edge review. <i>Science of the Total Environment</i> , 2022, 810, 152279.	3.9	28
1680	Information encryption, highly sensitive detection of nitrobenzene, tetracycline based on a stable luminescent Cd-MOF. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120752.	2.0	11
1681	Two multifunctional luminescent cobalt metal-organic frameworks for selectively and sensitively sensing of Cu ²⁺ , MnO ₄ ⁻ and picric acid in water. <i>Journal of Solid State Chemistry</i> , 2022, 307, 122875.	1.4	5
1682	Light responsive Fe-Tcpp@ICG for hydrogen peroxide detection and inhibition of tumor cell growth. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113931.	5.3	5
1683	Multi-responsive luminescent probes for Fe ³⁺ , Cr ₂ O ₇ ²⁻ and acetylacetone with Cd-MOF based on tris(3-F-4-carboxybiphenyl)amine and trans-1,2-bis(4-pyridyl)ethene. <i>Journal of Solid State Chemistry</i> , 2022, 307, 122820.	1.4	13

#	ARTICLE	IF	CITATIONS
1684	Dynamic ring-opening polymerization, D-ROP: Applications in coordination polymers. Coordination Chemistry Reviews, 2022, 454, 214342.	9.5	4
1685	Four new cobalt(II)/zinc(II) complexes derived from the naphthalene-bridging bis(pyridyl)-bis(amide) ligand: Fluorescence sensing Fe ³⁺ ions and CrO ₄ ²⁻ anions, photocatalytic degrading dyes. Journal of Solid State Chemistry, 2022, 307, 122869.	1.4	1
1686	Polyoxometalate/ZIF-67 composite with exposed active sites as aqueous supercapacitor electrode. Chemical Engineering Journal, 2022, 431, 134085.	6.6	40
1687	Under-coordinated AlF ₃ clusters confined in carbon matrix with robust sintering resistance for dehydrofluorination of hydrofluorocarbons. Chemical Engineering Journal, 2022, 431, 134178.	6.6	7
1688	In-situ growth of porous Cu ₃ (BTC) ₂ on cellulose nanofibrils for ultra-low dielectric films with high flexibility. Journal of Materials Science and Technology, 2022, 112, 202-211.	5.6	16
1689	Highly sensitive fluorescent sensing platform for imidacloprid and thiamethoxam by aggregation-induced emission of the Zr(IV)-metal-organic framework. Food Chemistry, 2022, 375, 131879.	4.2	15
1690	Synthesis of Polymer Composites with Luminescent Properties. Proceedings (mdpi), 2020, 67, 24.	0.2	0
1691	A Two-Photon Metal-Organic Framework Nanoprobe with Catalytic Hairpin Assembly for Amplified MicroRNA Imaging in Living Cells and Tissues. SSRN Electronic Journal, 0, , .	0.4	0
1692	Rapid Cs ⁺ Capture via Multiple Supramolecular Interactions in Anionic Metal-Organic Framework Isomers. Inorganic Chemistry, 2022, 61, 1918-1927.	1.9	8
1693	Robust Al ³⁺ MOF with Selective As(V) Sorption and Efficient Luminescence Sensing Properties toward Cr(VI). Inorganic Chemistry, 2022, 61, 2017-2030.	1.9	18
1694	Our journey of developing dual-emitting metal-organic framework-based fluorescent sensors. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	8
1695	Halogen bonding in cadmium(II) MOFs: its influence on the structure and on the nitroaldol reaction in aqueous medium. Dalton Transactions, 2022, 51, 1019-1031.	1.6	22
1696	A multicolor-switchable fluorescent lanthanide MOFs triggered by anti-cancer drugs: multifunctional platform for anti-cancer drug sensing and information anticounterfeiting. Journal of Materials Chemistry C, 2022, 10, 3576-3584.	2.7	26
1697	Identifying the Polymorphs of Zr-Based Metal-Organic Frameworks via Time-Resolved Fluorescence Imaging. , 2022, 4, 370-377.		8
1698	Metal-Organic Frameworks-Based Sensors for Food Safety. Foods, 2022, 11, 382.	1.9	29
1699	Simple Design Concept for Dual-Channel Detection of Ochratoxin A Based on Bifunctional Metal-Organic Framework. ACS Applied Materials & Interfaces, 2022, 14, 5615-5623.	4.0	33
1701	Lanthanide Complexes with 4,4'-Bis(2-sulfonatostyryl)biphenyl: Crystal Structures and Luminescence Properties. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	1
1702	Modified Metal-Organic Frameworks for Electrochemical Applications. Small Structures, 2022, 3, .	6.9	20

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1703	A Ratio Fluorescence Thermometer Based on Carbon Dots & Lanthanide Functionalized Metal-Organic Frameworks. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2022, 648, .	0.6	2
1704	Luminescent Mn-based metal-organic framework as an unusual detector to OH ⁻ and a multi-responsive sensor for Fe ³⁺ , CrO ₇ ²⁻ and CrO ₄ ²⁻ in aqueous media. <i>Journal of Molecular Structure</i> , 2022, 1257, 132485.	1.8	6
1705	Manganese(II)-based coordination polymer as a bi-responsive luminescent sensor for highly selective detection of picric acid and CrO ₄ ²⁻ ion. <i>Transition Metal Chemistry</i> , 2022, 47, 85-92.	0.7	3
1706	Temperature-Induced Structural Transformations of Lanthanide Coordination Polymers Based on a Semirigid Tricarboxylic Acid Ligand: Crystal Structures and Luminescence Properties. <i>Crystal Growth and Design</i> , 2022, 22, 1583-1593.	1.4	17
1707	Theoretical investigations on the nitro-explosive sensing process of a MOF sensor: Roles of hydrogen bond and π-π stacking. <i>Chemical Physics Letters</i> , 2022, 793, 139393.	1.2	8
1708	Unearth the Luminescence Potential of Metal-Organic Frameworks: Adopting a Feasible Strategy to Fabricate One Ratiometric Fluorescence Sensor for Monitoring Both 1-Hydroxypyrene and Cu ²⁺ . <i>Inorganic Chemistry</i> , 2022, 61, 1349-1359.	1.9	17
1709	Metal Organic Frameworks Based Nanomaterial: Synthesis and Applications; Removal of Heavy Metal Ions from Waste Water. <i>Energy, Environment, and Sustainability</i> , 2022, , 377-392.	0.6	1
1711	Label-free biosensing of mercury(II) in milk using an aptamer-gated graphene field-effect transistor. <i>Journal of Electroanalytical Chemistry</i> , 2022, 904, 115931.	1.9	6
1712	Rational design of carborane-based Cu ₂ -paddle wheel coordination polymers for increased hydrolytic stability. <i>Dalton Transactions</i> , 2022, 51, 1137-1143.	1.6	11
1713	Avoiding Pyrolysis and Calcination: Advances in the Benign Routes Leading to MOF-Derived Electrocatalysts. <i>ChemElectroChem</i> , 2022, 9, .	1.7	12
1714	Comparative Study of Nitro- and Azide-Functionalized Zn _{II} -Based Coordination Polymers (CPs) as Fluorescent Turn-On Probes for Rapid and Selective Detection of H ₂ S in Living Cells. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4
1715	Syntheses, structures and magnetic properties of two Co ^{II} /Ni ^{II} isostructural coordination polymers based on an asymmetric semirigid tricarboxylate ligand. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 23-29.	0.2	2
1717	Cyanine-Doped Lanthanide Metal-Organic Frameworks for Near-Infrared II Bioimaging. <i>Advanced Science</i> , 2022, 9, e2104561.	5.6	28
1718	Emerging porous organic polymers for biomedical applications. <i>Chemical Society Reviews</i> , 2022, 51, 1377-1414.	18.7	103
1719	Binary Solvent System Composed of Polar Protic and Polar Aprotic Solvents for Controlling the Dimensionality of MOFs in the Solvothermal Synthesis. <i>Crystal Growth and Design</i> , 2022, 22, 1276-1282.	1.4	18
1720	A biological luminescent metal-organic framework with high fluorescence quantum yield for the selective detection of amino acids and monosaccharides. <i>Dalton Transactions</i> , 2022, 51, 2883-2889.	1.6	5
1721	A luminescent sensor based on a Cd ²⁺ complex for the detection of nitrofurantoin antibiotics in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109220.	1.8	9
1722	Two-dimensional Metal Organic Frameworks for photonic applications. <i>Optical Materials Express</i> , 0, , .	1.6	9

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1723	Barium-based coordination polymer: A bi-functional fluorescent sensor for Fe ³⁺ and nitroaromatic molecular detection. <i>Inorganic Chemistry Communication</i> , 2022, 137, 109227.	1.8	9
1724	Construction of three-dimensional polymeric d-histidine based metal-organic framework (MOF) for selective sorption of CO ₂ and copper ion sensing applications. <i>Chemical Physics Letters</i> , 2022, 790, 139331.	1.2	12
1725	Dual-emitting metal-organic frameworks for ratiometric fluorescence detection of fluoride and Al ³⁺ in sequence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 271, 120896.	2.0	15
1726	Synergistic disulfide sites of tetrathiafulvalene-based metal-organic framework for highly efficient and selective mercury capture. <i>Separation and Purification Technology</i> , 2022, 287, 120577.	3.9	15
1727	Two novel cadmium coordination polymers bearing viologen-derived ligand: Structure and photochromism properties. <i>Inorganica Chimica Acta</i> , 2022, 534, 120818.	1.2	4
1728	Temperature- and solvent-induced reversible single-crystal-to-single-crystal transformations of Tb ^{III} -based MOFs with excellent stabilities and fluorescence sensing properties toward drug molecules. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1504-1513.	3.0	64
1729	Materials Nanoarchitectonics Here, There, Everywhere: Looking Back and Leaping Forward. <i>RSC Nanoscience and Nanotechnology</i> , 2022, , 546-578.	0.2	1
1730	High Speed Mass Measurement of a Single Metal-Organic Framework Nanocrystal in a Paul Trap. <i>Analytical Chemistry</i> , 2022, 94, 2686-2692.	3.2	3
1731	A Highly Efficient Luminescent Metal-Organic Framework with Strong Conjugate Unit for Sensing Small Molecules. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1305-1312.	2.6	24
1732	Zirconium metal organic framework based opto-electrochemical sensor for nitrofurazone detection. <i>Journal of Electroanalytical Chemistry</i> , 2022, 909, 116124.	1.9	18
1733	A fluorescence zinc metal-organic framework for the effective detection of Fe ³⁺ and Fe ²⁺ in water. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109282.	1.8	6
1734	Temperature-dependent photonic properties of porous-shaped metal-organic frameworks on porous silicon substrates. <i>Sensors and Actuators A: Physical</i> , 2022, 337, 113443.	2.0	4
1735	Multi-Emission from Single Metal-Organic Frameworks under Single Excitation. <i>Small</i> , 2022, 18, e2106587.	5.2	44
1736	Mechanism-Guided Design of Metal-Organic Framework Composites for Selective Photooxidation of a Mustard Gas Simulant under Solvent-Free Conditions. <i>ACS Catalysis</i> , 2022, 12, 363-371.	5.5	30
1737	Synthesis of Metal-Organic Coordination Polymers and Their Derived Nanostructures for Organic Dye Removal and Analyte Detection. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1738	Pyrene and porphyrin-based Zn metal 1-D-polymer: synthesis, molecular structure, and photocatalytic property. <i>Dalton Transactions</i> , 2022, 51, 4257-4261.	1.6	3
1739	A one-pot strategic construction of functionalized nanomaterial ZIF-90-Rhn for stepwise detection and capturing of Ag ⁺ and formaldehyde from an aqueous solution. <i>Materials Advances</i> , 2022, 3, 3457-3468.	2.6	2
1740	Pd(Fe ₃ O ₄)-on-ZIFs: nanoparticle deposition on (nano-)MOFs from ionic liquids. <i>Journal of Materials Chemistry A</i> , 2022, 10, 11955-11970.	5.2	4

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1741	An excited-state intramolecular proton-transfer responsive nanoscale MOF for dual sensing of water and chromate ions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7558-7566.	2.7	11
1742	Advances in Metal-Organic Frameworks-Based Gas Sensors for Hazardous Substances. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1743	Tuning luminescence of the fluorescent molecule 2-(2-hydroxyphenyl)-1 <i>H</i> -benzimidazole via zeolitic imidazolate framework-8. <i>RSC Advances</i> , 2022, 12, 9342-9350.	1.7	4
1744	Two bis-ligand-coordinated Zn(II)-MOFs for luminescent sensing of ions, antibiotics and pesticides in aqueous solutions. <i>RSC Advances</i> , 2022, 12, 7780-7788.	1.7	15
1745	Naphthalene-tagged highly stable and reusable luminescent metal-organic probes for selective and fast detection of 4-nitroaniline in water. <i>New Journal of Chemistry</i> , 2022, 46, 6068-6077.	1.4	2
1746	Lanthanide Functionalized Metal-Organic Frameworks as a Ratiometric Fluorescence Biosensor for Visual and Ultrasensitive Detection of Serotonin. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1747	Pyridinaldehyde Modified Luminescence Metal-Organic Framework for Highly Sensitive and Selective Fluorescence Detection of Pyrophosphate. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1748	Selective luminescent sensing of metal ions and nitroaromatics over a porous mixed-linker cadmium(II) based metal-organic framework. <i>New Journal of Chemistry</i> , 2022, 46, 8523-8533.	1.4	6
1749	The Progress of Electrochromic Materials Based on Metal Organic Frameworks. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1750	Microwave-Assisted Synthesis to Prepare Metal-Organic Framework for Luminescence Thermometry. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1752	Selectivity in trace gas sensing: recent developments, challenges, and future perspectives. <i>Analyst</i> , 2022, 147, 1024-1054.	1.7	11
1753	A Series of Metal-Organic Frameworks Derived from Bispyridine Cyclohexanone and Auxiliary Acid Ligands: Synthesis, Structures and Properties. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1754	A water-stable luminescent Zn-MOF based on a conjugated π -electron ligand as an efficient sensor for atorvastatin and its application in pharmaceutical samples. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5944-5955.	2.7	10
1755	Polyoxometalate-Based Metal-Organic Frameworks as the Solid Support to Immobilize MP-11 Enzyme for Enhancing Thermal and Recyclable Stability. <i>ACS Applied Bio Materials</i> , 2022, 5, 1222-1229.	2.3	6
1756	Zwitterionic Luminescent 2D Metal-Organic Framework Nanosheets (LMONs): Selective Turn-On Fluorescence Sensing of Dihydrogen Phosphate. <i>Inorganic Chemistry</i> , 2022, 61, 3942-3950.	1.9	12
1757	State of the Art and Prospects in Metal-Organic Framework-Derived Microwave Absorption Materials. <i>Nano-Micro Letters</i> , 2022, 14, 68.	14.4	117
1758	Cobalt Metal-Organic Frameworks with Aggregation-Induced Emission Characteristics for Fluorometric/Colorimetric Dual Channel Detection of Nitrogen-Rich Heterocyclic Compounds. <i>Analytical Chemistry</i> , 2022, 94, 3744-3748.	3.2	27
1759	Zn(II) and Co(II) 3D Coordination Polymers Based on 2-Iodoterephthalic Acid and 1,2-bis(4-pyridyl)ethane: Structures and Sorption Properties. <i>Molecules</i> , 2022, 27, 1305.	1.7	5

#	ARTICLE	IF	CITATIONS
1760	Energy Transfer in Metal-Organic Frameworks for Fluorescence Sensing. ACS Applied Materials & Interfaces, 2022, 14, 9970-9986.	4.0	109
1761	A Water-Stable Lanthanide-Based MOF as a Highly Sensitive Sensor for the Selective Detection of Paraquat in Agricultural Products. ACS Sustainable Chemistry and Engineering, 2022, 10, 2761-2771.	3.2	40
1762	Porphyrin aluminum MOF with ultra-high water sorption capacity: In-situ time-dependent ATR-FTIR spectroscopy and gravimetry to study mechanism of water bonding and desorption. Vibrational Spectroscopy, 2022, 119, 103356.	1.2	8
1763	Metal-organic framework-derived phosphide nanomaterials for electrochemical applications. , 2022, 4, 246-281.		48
1764	Heterobimetallic Ln(III)-Containing Materials Based on One-Dimensional Auophilic Chains of Gold(I) Dithiolate Dimers and Their Vapochromic Response to DMF. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	3
1765	Unfolding the Role of Building Units of MOFs with Mechanistic Insight Towards Selective Metal Ions Detection in Water**. Chemistry - A European Journal, 2022, 28, .	1.7	13
1766	Metal organic frameworks as advanced extraction adsorbents for separation and analysis in proteomics and environmental research. Science China Chemistry, 2022, 65, 650-677.	4.2	23
1767	Vibrational Modes and Terahertz Phenomena of the Large-Cage Zeolitic Imidazolate Framework-71. Journal of Physical Chemistry Letters, 2022, 13, 2838-2844.	2.1	11
1768	Three-Dimensional MoS ₂ /Reduced Graphene Oxide Nanosheets/Graphene Quantum Dots Hybrids for High-Performance Room-Temperature NO ₂ Gas Sensors. Nanomaterials, 2022, 12, 901.	1.9	9
1769	Nickel(II) Coordination Polymers Supported by Bis-pyridyl-bis-amide and Angular Dicarboxylate Ligands: Role of Ligand Flexibility in Iodine Adsorption. International Journal of Molecular Sciences, 2022, 23, 3603.	1.8	4
1770	Novel Binary Ni-Based Mixed Metal-Organic Framework Nanosheets Materials and Their High Optical Power Limiting. ACS Omega, 2022, 7, 10429-10437.	1.6	0
1771	Two Zirconium Metal-Organic Cages with <i>S</i> ₄ and <i>D</i> _{2d} Symmetry: Construction and Detection of Antibiotics. Crystal Growth and Design, 2022, 22, 2768-2773.	1.4	13
1772	Defect Engineering in Metal-Organic Framework Nanocrystals: Implications for Mechanical Properties and Performance. ACS Applied Nano Materials, 2022, 5, 6398-6409.	2.4	26
1773	Magnetic Fe ₃ O ₄ Nanoparticle/ZIF-8 Composites for Contaminant Removal from Water and Enhanced Flame Retardancy of Flexible Polyurethane Foams. ACS Applied Nano Materials, 2022, 5, 3491-3501.	2.4	9
1775	Engineering of Metal-Organic Frameworks as Ratiometric Sensors. Crystal Growth and Design, 2022, 22, 3518-3564.	1.4	45
1776	A nanocaged cadmium-organic framework with high catalytic activity on the chemical fixation of CO ₂ and deacetalization-knoevenagel condensation. Microporous and Mesoporous Materials, 2022, 335, 111791.	2.2	21
1777	Mercapto-decorated Zn-based metal-organic framework embedded nanofibrous membrane for oxo-anions treatment in aqueous solution. Chemical Engineering Journal, 2022, 443, 136212.	6.6	9
1778	Cooperation between Eu MOF and glycerol for luminescent sensing of nerve agent mimic vapor. Journal of Solid State Chemistry, 2022, 311, 123114.	1.4	5

#	ARTICLE	IF	CITATIONS
1779	Monosystem Discriminative Sensor toward Inorganic Anions via Incorporating Three Different Luminescent Channels in Metal-Organic Frameworks. <i>Analytical Chemistry</i> , 2022, 94, 5866-5874.	3.2	11
1780	A two-photon metal-organic framework nanoprobe with catalytic hairpin assembly for amplified MicroRNA imaging in living cells and tissues. <i>Sensors and Actuators B: Chemical</i> , 2022, 359, 131593.	4.0	16
1781	Bisligand-coordinated cadmium organic frameworks as fluorescent sensors to detect ions, antibiotics and pesticides in aqueous solutions. <i>Polyhedron</i> , 2022, 217, 115759.	1.0	16
1782	Luminescence Cd(II) coordination compounds based on a semi-rigid tricarboxylic acid ligand for identifying metal cations, inorganic anions and organic solvents. <i>Polyhedron</i> , 2022, 219, 115799.	1.0	2
1783	2D paddle wheel lanthanide metal-organic framework: Synthesis, structure and exploration of catalytic N-arylation reaction. <i>Polyhedron</i> , 2022, 219, 115789.	1.0	1
1784	Nanoconfinement of tetraphenylethylene in zeolitic metal-organic framework for turn-on mechanofluorochromic stress sensing. <i>Applied Materials Today</i> , 2022, 27, 101434.	2.3	11
1785	Dual confinement strategy based on metal-organic frameworks to synthesize MnOx@ZrO2 catalysts for toluene catalytic oxidation. <i>Fuel</i> , 2022, 320, 123983.	3.4	11
1786	Syntheses and characterizations of calcium and strontium based coordination compounds with the 5-(2-pyridyl)tetrazolate ligand, respectively exhibiting extended 1 D and 2 D structures. <i>Journal of Molecular Structure</i> , 2022, 1260, 132757.	1.8	1
1787	Post-modification of UiO-66-NH2 based on Schiff-base reaction for removal of Hg2+ from aqueous solution: Synthesis, adsorption performance and mechanism. <i>Fuel</i> , 2022, 319, 123816.	3.4	20
1788	AIE based luminescent porous materials as cutting-edge tool for environmental monitoring: State of the art advances and perspectives. <i>Coordination Chemistry Reviews</i> , 2022, 463, 214539.	9.5	40
1789	Phosphate group functionalized magnetic metal-organic framework nanocomposite for highly efficient removal of U(VI) from aqueous solution. <i>Scientific Reports</i> , 2021, 11, 24328.	1.6	11
1790	Impact of the Structural Modification of Diamondoid Cd(II) MOFs on the Nonlinear Optical Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60163-60172.	4.0	13
1791	Metal-Organic Framework Based Gas Sensors. <i>Advanced Science</i> , 2022, 9, e2104374.	5.6	142
1792	Construction of Stable Metal-Organic Framework Platforms Embedding <i>N</i> -Heterocyclic Carbene Metal Complexes for Selective Catalysis. <i>Inorganic Chemistry</i> , 2021, 60, 18687-18697.	1.9	3
1793	Highly pH-Stable Ln-MOFs as Sensitive and Recyclable Multifunctional Materials: Luminescent Probe, Tunable Luminescent, and Photocatalytic Performance. <i>Crystal Growth and Design</i> , 2022, 22, 323-333.	1.4	36
1794	From a Well-Defined Organozinc Precursor to Diverse Luminescent Coordination Polymers Based on Zn(II)-Quinolate Building Units Interconnected by Mixed Ligand Systems. <i>Molecules</i> , 2021, 26, 7402.	1.7	1
1795	Luminescent Two-Dimensional Metal-Organic Framework Nanosheets with Large π -Conjugated System: Design, Synthesis, and Detection of Anti-Inflammatory Drugs and Pesticides. <i>Inorganic Chemistry</i> , 2022, 61, 982-991.	1.9	19
1796	Analysis of the Water Adsorption Isotherms in UiO-Based Metal-Organic Frameworks. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1107-1114.	1.5	21

#	ARTICLE	IF	CITATIONS
1797	Metal-organic frameworks in pursuit of size: the development of macroscopic single crystals. Dalton Transactions, 2022, 51, 7775-7782.	1.6	4
1798	Supramolecular assemblies of Zn(II) complexes with a β -keto ligand for sensing specific organic molecules. CrystEngComm, 2022, 24, 3612-3620.	1.3	9
1799	A Zr-MOF nanoflower sensor and its mixed-matrix membrane for the highly sensitive detection of nitroaromatics. Journal of Materials Chemistry C, 2022, 10, 7469-7475.	2.7	105
1800	Four series of lanthanide coordination polymers based on the tetrabromobenzene-1,4-dicarboxylate ligand: structural diversity and multifunctional properties. Dalton Transactions, 2022, 51, 7420-7435.	1.6	4
1801	Supramolecular polymer gels: from construction methods to functionality. Soft Matter, 2022, 18, 3828-3844.	1.2	15
1802	Laser driven conversion of MOFs to rare earth metal oxide nanoparticles. APL Materials, 2022, 10, .	2.2	4
1803	Advances in metal-organic frameworks-based gas sensors for hazardous substances. TrAC - Trends in Analytical Chemistry, 2022, 153, 116644.	5.8	29
1804	UiO-66-NH ₂ : An easily attainable and label-free turn-on probe for facile fluorescence sensing of alkaline phosphatase. Microchemical Journal, 2022, 179, 107516.	2.3	7
1805	Room temperature synthesis of new isorecticular 2D metal-organic frameworks of Co(II) and Ni(II) comprised of dual semiflexible neutral and anionic linkers, and their conversion to metal oxide nanomaterials. Inorganica Chimica Acta, 2022, , 120966.	1.2	0
1806	Confinement of Luminescent Guests in Metal-Organic Frameworks: Understanding Pathways from Synthesis and Multimodal Characterization to Potential Applications of LG@MOF Systems. Chemical Reviews, 2022, 122, 10438-10483.	23.0	106
1807	Dye-encapsulated nanocage-based metal-organic frameworks as luminescent dual-emitting sensors for selective detection of inorganic ions. Applied Organometallic Chemistry, 0, , .	1.7	3
1808	Specific sensing of antibiotics with metal-organic frameworks based dual sensor system. Nano Research, 2022, 15, 6430-6437.	5.8	23
1810	Lanthanide-MOFs as multifunctional luminescent sensors. Inorganic Chemistry Frontiers, 2022, 9, 3259-3266.	3.0	43
1811	Metal-organic frameworks as effective sensors and scavengers for toxic environmental pollutants. National Science Review, 2022, 9, .	4.6	35
1812	Benzimidazolium ionic liquid tagged phenazine salophen as a bifunctional β -keto PET based fluorescent sensor for aqueous phase detection of trinitrotoluene and picric acid. Journal of Materials Chemistry C, 2022, 10, 7949-7961.	2.7	5
1813	Recent advancement in bimetallic metal organic frameworks (M_2 MOFs): synthetic challenges and applications. Inorganic Chemistry Frontiers, 2022, 9, 3003-3033.	3.0	18
1814	Multicriteria decision making in organic-metal frameworks for fuel storage. , 2022, , 609-630.		0
1815	Low-temperature water-assisted crystallization approach to MOF@TiO ₂ core-shell nanostructures for efficient dye removal. Inorganic Chemistry Frontiers, 2022, 9, 2725-2733.	3.0	5

#	ARTICLE	IF	CITATIONS
1816	The pioneering role of metal-organic framework-5 in ever-growing contemporary applications – a review. RSC Advances, 2022, 12, 14282-14298.	1.7	18
1817	Adsorption and Release of 1-Methylcyclopropene by Metal-Organic Frameworks for Fruit Preservation. , 2022, 4, 1053-1057.		8
1818	Smartly engineered –off-on–switchable probe: For the recognition of toxic analytes in semi-aqueous medium. Materials Today: Proceedings, 2022, , .	0.9	0
1819	Seed-aided green synthesis of metal-organic frameworks in water. Green Chemical Engineering, 2023, 4, 64-72.	3.3	6
1820	Growth of Fe-BDC Metal-Organic Frameworks onto Functionalized Si (111) Surfaces. Chemistry - an Asian Journal, 2022, 17, .	1.7	5
1821	Water-Stable Carborane-Based Eu ³⁺ /Tb ³⁺ Metal-Organic Frameworks for Tunable Time-Dependent Emission Color and Their Application in Anticounterfeiting Bar-Coding. Chemistry of Materials, 2022, 34, 4795-4808.	3.2	27
1822	Designing Multicomponent Metal-Organic Frameworks with Hierarchical Structure-Mimicking Distribution for High CO ₂ Capture Performance. Inorganic Chemistry, 2022, 61, 7663-7670.	1.9	7
1823	Metal-induced Different Structures and Properties of Two Coordination Polymers Based on a Semi-flexible Carboxylic Ligand. Inorganic Chemistry Communication, 2022, , 109533.	1.8	1
1824	Detection and Sorption of Heavy Metal Ions in Aqueous Media by a Fluorescent Zr(IV) Metal-Organic Framework Functionalized with 2-Picolylamine Receptor Groups. Inorganic Chemistry, 2022, 61, 7847-7858.	1.9	16
1825	Rational Design of Coordination Bond Connected Metal Organic Frameworks/MXene Hybrids for Efficient Solar Water Splitting. Advanced Functional Materials, 2022, 32, .	7.8	56
1826	Customized Synthesis: Solvent- and Acid-Assisted Topology Evolution in Zirconium-Tetracarboxylate Frameworks. Inorganic Chemistry, 2022, 61, 7980-7988.	1.9	13
1827	Metal sulfide nano-frameworks anchored into 3D honeycomb-like porous carbon nanofibers as freestanding anodes for high performance lithium-ion batteries. Applied Surface Science, 2022, 597, 153627.	3.1	3
1828	Multi-responsive luminescent MOF sensor for Fe ³⁺ , CrO ₄ ²⁻ and Cr ₂ O ₇ ²⁻ in aqueous solution based on phenylenediacetate and bis-imidazole ligand. Journal of Molecular Structure, 2022, 1264, 133239.	1.8	11
1829	Two Multiresponsive Luminescent Zn-MOFs for the Detection of Different Chemicals in Simulated Urine and Antibiotics/Cations/Anions in Aqueous Media. Inorganic Chemistry, 2022, 61, 7238-7250.	1.9	32
1830	Fabrication of NiCo ₂ S ₄ accumulated on metal organic framework nanostructured with multiwalled carbon nanotubes composite material for supercapacitor application. Ceramics International, 2022, 48, 29102-29110.	2.3	28
1831	Stable Metal-Organic Frameworks for Fluorescent Detection of Tetracycline Antibiotics. Inorganic Chemistry, 2022, 61, 8015-8021.	1.9	44
1832	A Dihydropyridazine-Functionalized Metal-Organic Framework as a Highly Selective Luminescent Host-Guest Sensor for Detection of 2,4,6-Trinitrophenol. Inorganic Chemistry, 2022, 61, 7820-7834.	1.9	26
1833	Weaving a 2D net of hydrogen and halogen bonds: cocrystal of a pyrazolium bromide with tetrafluorodiodobenzene. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 324-331.	0.2	0

#	ARTICLE	IF	CITATIONS
1834	Recent Advancements in MOF/Biomass and Bio-MOF Multifunctional Materials: A Review. Sustainability, 2022, 14, 5768.	1.6	23
1835	Effect of N-donor ancillary ligand on zinc/cadmium-organic arsonates: Structural analysis and photoluminescence. Journal of Solid State Chemistry, 2022, 311, 123148.	1.4	1
1836	Porous materials for capture and catalytic conversion of CO ₂ at low concentration. Coordination Chemistry Reviews, 2022, 465, 214576.	9.5	74
1837	Pyridinaldehyde modified luminescence metal-organic framework for highly sensitive and selective fluorescence detection of pyrophosphate. Sensors and Actuators B: Chemical, 2022, 365, 131949.	4.0	18
1838	Flexible ligand for Metal-Organic frameworks with simultaneous Large-Pore and antenna effect emission. Chemical Engineering Journal, 2022, 443, 136532.	6.6	39
1839	Biomimetic enzyme MOF-NADH-mediated and 3,3',5,5'-tetramethylbenzidine-based colorimetric assay for formaldehyde detection. Sensors and Actuators B: Chemical, 2022, 366, 132007.	4.0	3
1840	Lanthanide based inorganic phosphates and biological nucleotides sensor. Coordination Chemistry Reviews, 2022, 466, 214583.	9.5	12
1841	Recent advances in metal-organic frameworks and their composites for the phototherapy of skin wounds. Journal of Materials Chemistry B, 2022, 10, 4695-4713.	2.9	10
1842	Conductive 2D phthalocyanine-based metal-organic framework as a photoelectrochemical sensor for N-acetyl-L-cysteine detection. Sensors and Actuators B: Chemical, 2022, 367, 132028.	4.0	12
1843	Lanthanide coordination polymers functionalized by 5-nitroisophthalic acid: Synthesis, structure-DFT correlation and photoluminescent sensor of Cd ²⁺ ion. Journal of Solid State Chemistry, 2022, 312, 123229.	1.4	5
1844	Microwave-assisted synthesis to prepare metal-organic framework for luminescence thermometry. Journal of Solid State Chemistry, 2022, 312, 123183.	1.4	1
1845	Ru(N ^N) ₃ â€•Metalloligand Pillared Zr ₆ â€•Organic Layers for Aerobic Photooxidation. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	2
1846	Research progress in AIE-based crystalline porous materials for biomedical applications. Biomaterials, 2022, 286, 121583.	5.7	9
1847	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
1848	Self-Assembled Nonlinear Optical Crystals Based on an Asymmetric Fluorenone Derivative. Crystal Growth and Design, 2022, 22, 3998-4004.	1.4	8
1849	Construction of a Cd ₈ Tb ₄ nanoring for luminescence response to 2,6-dipicolinic acid as an anthrax biomarker. CrystEngComm, 2022, 24, 4361-4365.	1.3	1
1850	One step synthesis of a bimetallic (Ni and Co) metal-organic framework for the efficient electrocatalytic oxidation of water and hydrazine. New Journal of Chemistry, 2022, 46, 13422-13430.	1.4	4
1851	Self-Calibrated Fret Fluorescent Probe with Metal-Organic Framework for Proportional Detection of Nitrofurantoin Antibiotics. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1852	Silver-Rich Hybrid Framework Iodide Based on $[Ag_8I_6]^{2+}$ Clusters Displays Low-Temperature Dual Emission and Luminescence Thermo-chromism. <i>Inorganic Chemistry</i> , 2022, 61, 8662-8669.	1.9	2
1853	Strategies for the Improvement of Hydrogen Physisorption in Metal-Organic Frameworks and Advantages of Flexibility for the Enhancement. <i>Journal of Molecular and Engineering Materials</i> , 2022, 10, .	0.9	2
1854	Highly selective detection of Fe^{3+} and nitro explosives by a bifunctional sensor based on Cd(II) complex. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-7.	0.9	1
1855	Anthracene-based fluorescent MOFs decorated by platinum nanozymes as a multifunctional nanoplatform for enhanced photodynamic therapy and self-monitoring of real-time singlet oxygen. <i>Chemical Engineering Journal</i> , 2022, 446, 137333.	6.6	17
1856	A Bis-heteroleptic Imidazolium-bipyridine Functionalized Iridium(III) Complex for Fluorescence Lifetime-based Recognition and Sensing of Phosphates. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	6
1857	CO Oxidation over HKUST-1 Catalysts: The Role of Defective Sites. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9652-9664.	1.5	2
1858	Exploiting one dimensional polymer for environmental monitoring: Co based coordination polymer for efficient removal of cationic dyes. <i>Journal of Solid State Chemistry</i> , 2022, , 123307.	1.4	5
1859	Bimetallic Fe-Cu metal organic frameworks for room temperature catalysis. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	15
1860	Dyes-modified metal-organic frameworks composite as a sensitive, reversible and ratiometric fluorescent probe for the rapid detection of malachite green. <i>Microchemical Journal</i> , 2022, 180, 107631.	2.3	9
1861	Reverse-selective metal-organic framework materials for the efficient separation and purification of light hydrocarbons. <i>Coordination Chemistry Reviews</i> , 2022, 468, 214628.	9.5	48
1862	Environmental Applications of Metal-Organic Frameworks. <i>ACS Symposium Series</i> , 0, , 247-255.	0.5	1
1863	Environmental Applications of Metal-Organic Frameworks: Recent Advances and Challenges. <i>ACS Symposium Series</i> , 0, , 299-318.	0.5	6
1864	Recyclable Luminescence Sensor For Cu^{2+} , Cr^{2+} and Cr^{4+} in Water and Acid/Base Vapor Response Based on Water-Stable Bipyridyl-Based Ln-Mofs. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1865	Stabilization of CO_2 as zwitterionic carbamate within a coordination polymer (CP): synthesis, structure and anion sensing behaviour of a Tb-CP composite. <i>CrystEngComm</i> , 2022, 24, 5890-5899.	1.3	1
1866	Determination of luminescent characteristics of organometallic complex in land and coal mining. <i>Open Physics</i> , 2022, 20, 538-547.	0.8	1
1867	Tunable fluorescence emission based on multi-layered MOF-on-MOF. <i>Dalton Transactions</i> , 2022, 51, 9397-9403.	1.6	7
1868	Hydrogen bonding-mediated assembly of carbon dot@Zr-based metal organic framework as a multifunctional fluorescence sensor for chlortetracycline, pH and temperature detection. <i>New Journal of Chemistry</i> , 2022, 46, 13021-13029.	1.4	4
1869	Multi-functional metal-organic frameworks for detection and removal of water pollutions. <i>Chemical Communications</i> , 2022, 58, 7890-7908.	2.2	25

#	ARTICLE	IF	CITATIONS
1870	Visual detection of fluoride in water by a dual-emitting, Eu-doped Sc-based metal organic framework. <i>New Journal of Chemistry</i> , 2022, 46, 13693-13699.	1.4	2
1871	Multi-responsive luminescent coordination polymer nanosheets for selective detection of nitroaromatics. <i>Chemical Communications</i> , 2022, 58, 7809-7812.	2.2	8
1872	The impact of MOFs in pH-dependent drug delivery systems: progress in the last decade. <i>Dalton Transactions</i> , 2022, 51, 9950-9965.	1.6	15
1873	2-Dimensional rare earth metal-organic frameworks based on a hexanuclear secondary building unit as efficient detectors for vapours of nitroaromatics and volatile organic compounds. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4850-4863.	3.0	7
1874	Water-triggered synergistic fluorescence variation and shape deformation in Zn-TCPP metal-organic frameworks gel. <i>Materials Chemistry Frontiers</i> , 0, , .	3.2	0
1875	METAL-ORGANIC FRAMEWORKS IN RUSSIA: FROM THE SYNTHESIS AND STRUCTURE TO FUNCTIONAL PROPERTIES AND MATERIALS. <i>Journal of Structural Chemistry</i> , 2022, 63, 671-843.	0.3	35
1876	Rapid room temperature synthesis of a new 2D AIE-chromophore COFs at room temperature and highly selective naked eye sensing of Fe ³⁺ ions. <i>Journal of Porous Materials</i> , 2022, 29, 1531-1538.	1.3	3
1877	Multi-step tandem functionalization assembly of MOFs-based hybrid polymeric films for color tuning luminescence and responsive sensing on organic vapors. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129416.	2.3	6
1878	Brønsted Acid-Functionalized Ionic Co(II) Framework: A Tailored Vessel for Electrocatalytic Oxygen Evolution and Size-Exclusive Optical Speciation of Biothiols. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29773-29787.	4.0	17
1879	Hexaphenylbenzene-Based Deep Blue-Emissive Metallacages as Donors for Light-Harvesting Systems. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
1880	Hexaphenylbenzene-Based Deep Blue-Emissive Metallacages as Donors for Light-Harvesting Systems. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	37
1881	Design of a Sensitive Fluorescent Zn-Based Metal-Organic Framework Sensor for Cimetidine Monitoring in Biological and Pharmaceutical Samples. <i>ACS Omega</i> , 2022, 7, 22221-22231.	1.6	6
1882	A luminescence coordination polymer for long-term monitoring of antibiotic aztreonam in aqueous media. <i>Dyes and Pigments</i> , 2022, 205, 110513.	2.0	2
1883	Detection of the UV-vis silent biomarker trimethylamine-N-oxide via outer-sphere interactions in a lanthanide metal-organic framework. <i>Communications Chemistry</i> , 2022, 5, .	2.0	35
1884	VOC Mixture Sensing with a MOF Film Sensor Array: Detection and Discrimination of Xylene Isomers and Their Ternary Blends. <i>ACS Sensors</i> , 2022, 7, 1666-1675.	4.0	36
1885	Highly luminescent scintillating hetero-ligand MOF nanocrystals with engineered Stokes shift for photonic applications. <i>Nature Communications</i> , 2022, 13, .	5.8	38
1886	Europium-cadmium organic framework with zwitterionic ligand exhibiting tunable luminescence, CO ₂ adsorption and dye degradation. <i>Journal of Solid State Chemistry</i> , 2022, 313, 123346.	1.4	2
1887	Cd(II) and Co(II) coordination polymers constructed from N,N'-Bis(3-pyridylmethyl)oxalamide and 1,4-Naphthalenedicarboxylic acid. <i>Polyhedron</i> , 2022, 223, 115991.	1.0	0

#	ARTICLE	IF	CITATIONS
1888	Fluorescent lanthanide metal-organic framework for rapid and ultrasensitive detection of methcathinone in human urine. <i>Talanta</i> , 2022, 249, 123663.	2.9	13
1889	Electrochemical Microfluidic Immunosensor Based on Porous Nanomaterial Towards to Claudin7 Determination for Colorectal Cancer Diagnosis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
1890	Post-synthetic modification of Prussian blue type nanoparticles: tailoring the chemical and physical properties. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3943-3971.	3.0	5
1891	Single mode for luminescence responsive chemical sensing in rare earth metal-organic framework hybrid materials. , 2022, , 75-110.		0
1892	Collaborative Sensing in Internet of Things: A Comprehensive Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2022, 24, 1435-1474.	24.8	52
1893	Chemical sensors based on periodic mesoporous organosilica @NaYF ₄ :Ln ³⁺ nanocomposites. <i>Dalton Transactions</i> , 2022, 51, 11467-11475.	1.6	5
1894	Metal-organic framework-based photonic crystal platforms for gas sensing: a review. <i>Materials Advances</i> , 2022, 3, 6728-6741.	2.6	10
1895	Summary and prospects. , 2022, , 503-518.		0
1896	Selective detection of sulfasalazine antibiotic and its controllable photodegradation into 5-aminosalicylic acid by visible-light-responsive metal-organic framework. <i>Dalton Transactions</i> , 2022, 51, 11730-11736.	1.6	1
1897	A Multifunctional Tb-Porphyrin Aerogel for Ratiometric Fluorescent Sensing of Cu(II) and Photocatalytic Degradation of Rhodamine B. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1898	Luminescence responsive sensing mechanism in rare earth metal-organic framework hybrid materials. , 2022, , 145-175.		0
1899	Rare earth luminescence, MOFs luminescence, rare earth MOFs hybrid materials luminescence, luminescence response, and chemical sensing. , 2022, , 41-71.		0
1900	Recent advances in bimetallic metal-organic frameworks (BMOFs): synthesis, applications and challenges. <i>New Journal of Chemistry</i> , 2022, 46, 13818-13837.	1.4	61
1901	Transformation of metal-organic frameworks with retained networks. <i>Chemical Communications</i> , 2022, 58, 8602-8613.	2.2	11
1902	Dual-emissive EY/UiO-66-NH ₂ as a ratiometric probe for turn-on sensing and cell imaging of hypochlorite. <i>Analyst</i> , The, 2022, 147, 3867-3875.	1.7	6
1903	ZINC(II) AND CADMIUM(II) METAL-ORGANIC FRAMEWORKS BASED ON THE AMIDE-FUNCTIONALIZED TETRACARBOXYLATE LIGAND: SYNTHESIS, CRYSTAL STRUCTURE, AND LUMINESCENT PROPERTIES. <i>Journal of Structural Chemistry</i> , 2022, 63, 378-387.	0.3	9
1904	New Approach toward Dual-Emissive Organic-Inorganic Hybrids by Integrating Mn(II) and Cu(I) Emission Centers in Ionic Crystals. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31000-31009.	4.0	11
1905	Shear-Induced Macropore-Infused Nanocomposite Emulsion Thermosets. <i>Advanced Materials Interfaces</i> , 0, , 2200145.	1.9	0

#	ARTICLE	IF	CITATIONS
1906	Two Eu ³⁺ Based Complexes Containing Uncoordinated Lewis Basic Pyridyl Sites and Chemical Sensing of 4-Nitrophenol and Fe ³⁺ ions. <i>Crystal Growth and Design</i> , 2022, 22, 4874-4884.	1.4	18
1907	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
1908	Fluorescent Covalent Organic Frameworks: A Promising Material Platform for Explosive Sensing. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	13
1909	Physicochemical, <i>in vitro</i> therapeutic activity, DNA-binding, and <i>in silico</i> molecular docking studies of samarium(III) complexes bearing N,O-chelated Schiff base ligands. <i>Journal of Coordination Chemistry</i> , 2022, 75, 994-1018.	0.8	4
1910	Approaches to Enhancing Electrical Conductivity of Pristine Metal-Organic Frameworks for Supercapacitor Applications. <i>Small</i> , 2022, 18, .	5.2	22
1911	Anisotropic Band-Edge Absorption of Millimeter-Sized Zn(3-ptz) ₂ Single-Crystal Metal-Organic Frameworks. <i>ACS Omega</i> , 2022, 7, 24432-24437.	1.6	3
1912	Structural Diversity of Mercury(II) Halide Complexes Containing Bis-pyridyl-bis-amide with Bulky and Angular Backbones: Ligand Effect and Metal Sensing. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7861.	1.8	5
1913	Synthesis of metal-organic coordination polymers and their derived nanostructures for organic dye removal and analyte detection. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108215.	3.3	3
1914	Ultrasensitive photoelectrochemical sensing platform based on heterostructural CuO/NCDs@Au nanocomposites with the efficient photo-induced carrier separation. <i>Microchemical Journal</i> , 2022, 181, 107779.	2.3	2
1915	Recyclable luminescence sensor for Cu ²⁺ , Cr ₂ O ₇ ²⁻ and CrO ₄ ²⁻ in water and acid/base vapor response based on water-stable bipyridyl-based Ln-MOFs. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123423.	1.4	6
1916	Fabrication of Two Isomorphous and Hyperstable Rare Earth-Based Metal-Organic Frameworks with Efficient Ratiometric Probe and Photocatalytic Performances. <i>Inorganic Chemistry</i> , 2022, 61, 11866-11878.	1.9	18
1917	When MOFs meet wood: From opportunities toward applications. <i>CheM</i> , 2022, 8, 2342-2361.	5.8	53
1918	pH-Stable Luminescent Metal-Organic Frameworks for the Selective Detection of Aqueous-Phase Fe ^{III} and Cr ^{VI} Ions. <i>Inorganic Chemistry</i> , 2022, 61, 12396-12405.	1.9	41
1919	Controllable design of high-efficiency triboelectric materials by functionalized metal-organic frameworks with a large electron-withdrawing functional group. <i>Nano Research</i> , 2022, 15, 9386-9391.	5.8	22
1920	Luminescent Lanthanide Metal Organic Frameworks (LnMOFs): A Versatile Platform towards Organomolecule Sensing. <i>Coordination Chemistry Reviews</i> , 2022, 470, 214707.	9.5	69
1921	Effectiveness of metal-organic framework as sensors: Comprehensive review. , 2022, , 47-64.		2
1922	Preparation of Highly Water Stable Hkust-1@Pyr Composites for Excellent CO ₂ Capture Capability and Efficient Separation of CO ₂ /N ₂ . <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1923	Construction of a series of Ln-MOF luminescent sensors based on a functional α -shaped ligand. <i>Dalton Transactions</i> , 2022, 51, 12549-12557.	1.6	7

#	ARTICLE	IF	CITATIONS
1924	Ultrasensitive point-of-care biochemical sensor based on metal-AIEgen frameworks. <i>Science Advances</i> , 2022, 8, .	4.7	29
1925	Rh ^{III} -Catalyzed C-H-N-Heteroarylation and Esterification Cascade of Carboxylic Acid with Organoboron Reagents and 1,2-Dichloroethane in One-Pot Synthesis. <i>Organic Letters</i> , 2022, 24, 5704-5709.	2.4	4
1926	Synthesis of Metal-Organic Frameworks Quantum Dots Composites as Sensors for Endocrine-Disrupting Chemicals. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7980.	1.8	8
1927	RhB@MOF-5 Composite Film as a Fluorescence Sensor for Detection of Chilled Pork Freshness. <i>Biosensors</i> , 2022, 12, 544.	2.3	4
1928	Parts-per-billion (ppb) selective iodine sensors leveraging metal-organic framework nanoenvironment. <i>Materials Today</i> , 2022, 58, 91-99.	8.3	4
1929	Defect Engineering in a Metal-Organic Framework System to Achieve Super-Protonic Conductivity. <i>Chemistry of Materials</i> , 2022, 34, 6734-6743.	3.2	28
1930	Eucalyptus globulus Extract-Assisted Fabrication of Copper Oxide/Zinc Oxide Nanocomposite for Photocatalytic Applications. <i>Crystals</i> , 2022, 12, 1153.	1.0	3
1931	Efficient and green one-pot synthesis of Knoevenagel condensation catalyzed nano Metal-Organic Frameworks in water. <i>Applied Organometallic Chemistry</i> , 0, , .	1.7	2
1932	Combined Skeleton and Spatial Rigidification of AIEgens in 2D Covalent Organic Frameworks for Boosted Fluorescence Emission and Sensing of Antibiotics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 37853-37864.	4.0	18
1933	Partially Ordered Lanthanide Carboxylates with a Highly Adaptable 1D Polymeric Structure. <i>Polymers</i> , 2022, 14, 3328.	2.0	1
1934	Carbazole-Equipped Metal-Organic Framework for Stability, Photocatalysis, and Fluorescence Detection. <i>Inorganic Chemistry</i> , 2022, 61, 14352-14360.	1.9	12
1935	Detection of Toxic Polychlorinated Biphenyls by Nanoporous Metal-Organic Frameworks. <i>ACS Applied Nano Materials</i> , 2022, 5, 11656-11664.	2.4	13
1936	Metal-Organic Frameworks for CO ₂ Separation from Flue and Biogas Mixtures. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	46
1937	Recent Trends and Advances in Porous Metal-Organic Framework Nanostructures for the Electrochemical and Optical Sensing of Heavy Metals in Water. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-25.	1.8	13
1938	A Multinary Metal-Organic Framework with Divided Linkers for C ₂ H ₂ /CO ₂ Separation. , 2022, 4, 1774-1779.		16
1939	Synthesis, microstructure, and catalytic properties of porous SiFeCO nanocomposites derived from MIL-101(Fe)-modified PCS. <i>International Journal of Applied Ceramic Technology</i> , 0, , .	1.1	0
1940	New Three-dimensional Supramolecular Cd(II)-Coordination Polymer as a Luminescent Sensor for Sulfamethazine Detection. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 4627-4636.	1.9	3
1941	Turn-On Fluorescence Chemical Sensing through Transformation of Self-Trapped Exciton States at Room Temperature. <i>ACS Sensors</i> , 2022, 7, 2338-2344.	4.0	3

#	ARTICLE	IF	CITATIONS
1942	Recent advances in nanoarchitectures of monocrystalline coordination polymers through confined assembly. <i>Beilstein Journal of Nanotechnology</i> , 0, 13, 763-777.	1.5	1
1943	Sensitive Detection of Alcohol Isomers by Ionically Conductive Metal-Organic Frameworks. <i>Advanced Electronic Materials</i> , 0, , 2200542.	2.6	1
1944	Pore size effect of 1,3,6,8-tetrakis(4-carboxyphenyl)pyrene-based metal-organic frameworks for enhanced SF6 adsorption with high selectivity. <i>Microporous and Mesoporous Materials</i> , 2022, 343, 112161.	2.2	4
1945	Highly scalable and pH stable 2D Ni-MOF-based composites for high performance supercapacitor. <i>Composites Part B: Engineering</i> , 2022, 245, 110174.	5.9	30
1946	Two new 5-mercapto-1-phenyl-1H-tetrazole-based Cu(I) coordination polymers with double layer structures: Crystal structures, substituent effects and sensing responses to NACs. <i>Journal of Solid State Chemistry</i> , 2022, 315, 123479.	1.4	1
1947	Self-calibrated FRET fluorescent probe with Metal-organic framework for proportional detection of nitrofurantoin antibiotics. <i>Polyhedron</i> , 2022, 226, 116080.	1.0	6
1948	A water-stable zwitterionic Zn(II) coordination polymer as a luminescent sensor for the nitrofurantoin antibiotic in milk. <i>Polyhedron</i> , 2022, 226, 116092.	1.0	11
1949	Construction of a 1D Cu(I)-based coordination polymer as a luminescent sensor for antibiotics and a photocatalyst for dye degradation. <i>Journal of Molecular Structure</i> , 2022, 1270, 133990.	1.8	2
1950	Tailored FTO/Ag/ZIF-8 structure as SERS substrate for ultrasensitive detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 282, 121693.	2.0	6
1951	Excited state double proton transfer efficient probe: Theoretical investigation and sensing ability towards Pb ²⁺ and Al ³⁺ ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 433, 114198.	2.0	6
1952	Microfluidic amperometric immunosensor based on porous nanomaterial towards claudin7 determination for colorectal cancer diagnosis. <i>Talanta</i> , 2023, 251, 123766.	2.9	10
1953	Heterometallic Europium(III)-Lutetium(III) Terephthalates as Bright Luminescent Antenna MOFs. <i>Molecules</i> , 2022, 27, 5763.	1.7	5
1954	Metal-organic frameworks derived from chalcone dicarboxylic acid: New topological characters and initial catalytic properties. <i>Inorganica Chimica Acta</i> , 2022, 543, 121166.	1.2	1
1955	A luminescent Eu@SOF film fabricated by electrophoretic deposition as ultrasensitive platform for styrene gas quantitative monitoring through fluorescence sensing and ANNs model. <i>Journal of Hazardous Materials</i> , 2023, 441, 129865.	6.5	8
1956	UiO-66-NH ₂ based fluorescent sensing for detection of tetracyclines in milk. <i>RSC Advances</i> , 2022, 12, 23427-23436.	1.7	11
1957	Fumarato and phthalato bridged dinuclear metal-organic Cu(II) and Mn(II) compounds involving infinite fumarate-water assemblies and unusual structure-guiding H-bonded synthons: antiproliferative evaluation and theoretical studies. <i>New Journal of Chemistry</i> , 2022, 46, 17817-17833.	1.4	0
1958	Recent progress on MOF-based optical sensors for VOC sensing. <i>Chemical Science</i> , 2022, 13, 13978-14007.	3.7	49
1959	Metal phosphonates as heterogeneous catalysts for highly efficient chemical fixation of CO ₂ under mild conditions. <i>CrystEngComm</i> , 2022, 24, 7845-7851.	1.3	3

#	ARTICLE	IF	CITATIONS
1960	An anionic Zn-MOF composed of 1D columnar SBUs for highly C ₂ H ₂ /CH ₄ selective adsorption, dye adsorption and fluorescence sensing. Dalton Transactions, 2022, 51, 15273-15281.	1.6	11
1961	A 3D/3D hetero-interpenetrated MOF with a novel (3,9)-c net and 6-c lcy net for the fluorescence detection of carbaryl. Dalton Transactions, 2022, 51, 15644-15647.	1.6	3
1962	An Eu ³⁺ -functionalized metal-organic framework (Eu@Zn-MOF) for the highly sensitive detection of rotenone in serum. New Journal of Chemistry, 2022, 46, 19168-19173.	1.4	6
1963	MOF and its application in electrochemistry. , 2022, , 219-253.		0
1964	Luminescent metal-organic frameworks for sensing of toxic organic pollutants in water and real samples. , 2022, , 195-208.		1
1965	Facile supramolecular strategy to construct solid fluorophore@metal-organic framework composites. Materials Advances, 2022, 3, 6597-6608.	2.6	0
1966	Data-driven efficient synthetic exploration of anionic lanthanide-based metal-organic frameworks. Chemical Communications, 2022, 58, 11426-11429.	2.2	4
1967	Amino group induced structural diversity and near-infrared emission of yttrium-tetracarboxylate frameworks. Chemical Science, 2022, 13, 9321-9328.	3.7	16
1968	A stable Cd-MOF as a dual-responsive luminescent biosensor for the determination of urinary diphenyl phosphate and hippuric acid as biomarkers for human triphenyl phosphate and toluene poisoning. Dalton Transactions, 2022, 51, 14924-14929.	1.6	4
1969	Luminescent MOFs (LMOFs): recent advancement towards a greener WLED technology. Chemical Communications, 2022, 58, 10768-10788.	2.2	20
1970	Robust metal-organic framework with abundant large electronegative sites for removal of CO ₂ from a ternary C ₂ H ₂ /C ₂ H ₄ /CO ₂ mixture. Inorganic Chemistry Frontiers, 2022, 9, 5064-5071.	3.0	8
1971	Photo-induced reversible nitric oxide capture by Fe-M(CO ₂ H) ₄ (M = Co, Ni). Tj ETQq1 1 0.784314 rgBT /Ov 22859-22870.	1.3	3
1972	Stable terbium metal-organic framework with turn-on and blue-shift fluorescence sensing for acidic amino acids (L-aspartate and L-glutamine) and cations (Al ³⁺ and) Tj ETQq0 0 0 rgBT /Overlock 10		
1973	A series of naphthalenediimide-based metal-organic frameworks: synthesis, photochromism and inkless and erasable printing. Dalton Transactions, 2022, 51, 14852-14857.	1.6	2
1974	Detection of nitrophenols with a fluorescent Zr(IV) metal-organic framework functionalized with benzylamino groups. Journal of Materials Chemistry C, 2022, 10, 12307-12315.	2.7	14
1975	Robust Carbazole-Based Rare-Earth MOFs: Tunable White-Light Emission for Temperature and DMF Sensing. ACS Applied Materials & Interfaces, 2022, 14, 41178-41185.	4.0	8
1976	One-pot synthesis of copper nanocluster/Tb-MOF composites for the ratiometric fluorescence detection of Cu ²⁺ . Luminescence, 2022, 37, 1793-1799.	1.5	10
1977	RhB-Embedded Zirconium-Biquinoline-Based MOF Composite for Highly Sensitive Probing Cr(VI) and Photochemical Removal of CrO ₄ ²⁻ , Cr ₂ O ₇ ²⁻ , and MO. Inorganic Chemistry, 2022, 61, 15213-15224.	1.9	18

#	ARTICLE	IF	CITATIONS
1978	Demonstration of High-Throughput Building Block and Composition Analysis of Metal-Organic Frameworks. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 4672-4679.	2.5	3
1979	Recent Advances in Luminescent Hydrogen-Bonded Organic Frameworks: Structures, Photophysical Properties, Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
1980	Application of Metal-Organic Framework in Diagnosis and Treatment of Diabetes. <i>Biomolecules</i> , 2022, 12, 1240.	1.8	9
1981	Series of TM-OFs as a Platform for Efficient Catalysis and Multifunctional Luminescence Sensing. <i>Inorganic Chemistry</i> , 2022, 61, 15880-15894.	1.9	6
1982	Syntheses, Crystal Structures, and Magnetic Properties of Two Cobalt(II) Coordination Complexes with 4'-Substituted 3,2':6',3''-Terpyridine Ligands. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2022, 48, 659-666.	0.3	4
1983	Fast preparation of Eu(BTB) MOFs in dielectric barrier discharge liquid plasma for luminescent sensing of trace iron. <i>Luminescence</i> , 2022, 37, 2050-2058.	1.5	2
1984	Unique Fluorescence Turn-On and Turn-Off Responses to Acids by a Carbazole-Based Metal-Organic Framework and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2022, 144, 17054-17063.	6.6	36
1985	Novel Approach for Detecting Vapors of Acids and Bases with Proton-Transfer Luminescent Dyes Encapsulated within Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 42656-42670.	4.0	9
1986	Construction of Halogen-Bonded Organic Frameworks (XOFs) as Novel Efficient Iodinating Agents. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 43621-43627.	4.0	10
1987	Co- and Ni-Based Electroactive Metal-Organic Frameworks for Stable Lithium Storage: Electrochemical and Charge-Storage Behavior in Response to Different Metal Centers. <i>Crystal Growth and Design</i> , 2022, 22, 5872-5882.	1.4	4
1988	A facile synthesis of CeO ₂ from the GO@Ce-MOF precursor and its efficient performance in the oxygen evolution reaction. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	4
1989	Magnetic recyclable g-C ₃ N ₄ /Fe ₃ O ₄ @MIL-100(Fe) ternary catalyst for photo-Fenton degradation of ciprofloxacin. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108698.	3.3	22
1990	Photoelectrochemical sensor for detection Hg ²⁺ based on in situ generated MOFs-like structures. <i>Analytica Chimica Acta</i> , 2022, 1233, 340496.	2.6	9
1991	Structures, luminescent properties, and volatile iodine detection of Zn(II) based zigzag coordination chains. <i>Journal of Solid State Chemistry</i> , 2022, 316, 123612.	1.4	1
1992	SO ₂ capture and detection using a Cu-metal-organic polyhedron. <i>Dalton Transactions</i> , 2022, 51, 18368-18372.	1.6	6
1993	Metal-organic frameworks (MOFs) as fluorescence sensors: principles, development and prospects. <i>CrystEngComm</i> , 2022, 24, 7881-7901.	1.3	29
1994	A new visual and stable fluorescent Cu-MOF as a dual-function sensor for glyphosate and Cr ₂ O ₇ ²⁻ . <i>New Journal of Chemistry</i> , 2022, 46, 19808-19816.	1.4	2
1995	A new multifunctional anionic 3D Zn(II)-MOF based on heptanuclear clusters: selective adsorption of organic dyes and dual-emitting sensor for nitroantibiotics. <i>CrystEngComm</i> , 0, , .	1.3	1

#	ARTICLE	IF	CITATIONS
1996	A LiO-66 3D photonic crystal optical sensor for highly efficient chlorobenzene vapor detection. RSC Advances, 2022, 12, 30262-30269.	1.7	4
1997	Simultaneous detection of Lead and Cadmium using a composite of Zeolite Imidazole Framework and Reduced Graphene Oxide (ZIF-67/rGO) via electrochemical approach. Environmental Engineering Research, 2023, 28, 220269-0.	1.5	1
1998	Multifunctional Luminescent Sensor Based on the Pb ²⁺ Complex Containing a Tetrazolato Ligand. Inorganic Chemistry, 2022, 61, 16831-16840.	1.9	6
1999	Advancement and future challenges of metal-organic coordination polymers: A case study of optical sensor for the detection of the environmental contaminants. Applied Organometallic Chemistry, 2023, 37, .	1.7	6
2000	Selective and Sensitive Recognition of Specific Types of Toxic Organic Pollutants with a Chemically Stable Highly Luminescent Porous Organic Polymer (POP). ACS Applied Polymer Materials, 2022, 4, 8633-8644.	2.0	10
2001	Modular design in metal-organic frameworks for oxygen evolution reaction. International Journal of Hydrogen Energy, 2022, 47, 39443-39469.	3.8	6
2002	Enhanced cataluminescence sensing of MIL-53(Al)/Sb ₂ SnO ₅ composites for isobutanol detection. Measurement Science and Technology, 0, , .	1.4	0
2003	Highly Luminescent MOF and Its In Situ Fabricated Sustainable Corn Starch Gel Composite as a Fluoro-Switchable Reversible Sensor Triggered by Antibiotics and Oxo-Anions. ACS Applied Materials & Interfaces, 2022, 14, 48658-48674.	4.0	22
2004	A Highly Selective MOF-Based Probe for Turn-On Luminescent Detection of Al ³⁺ , Cr ³⁺ , and Fe ³⁺ in Solution and Test Paper Strips through Absorbance Caused Enhancement Mechanism. Inorganic Chemistry, 2022, 61, 16952-16962.	1.9	38
2005	Computational Screening of Metal-Organic Frameworks for Ammonia Capture from H ₂ /N ₂ /NH ₃ Mixtures. ACS Omega, 2022, 7, 37640-37653.	1.6	4
2006	Recent Advances of Anticancer Studies Based on Nano-Fluorescent Metal-Organic Frameworks. ChemMedChem, 0, , .	1.6	1
2007	Highly sensitive temperature probe fabricated by high aspect ratio Eu-BTC nanowire. Sensors and Actuators A: Physical, 2022, 347, 113948.	2.0	1
2008	Interpretable Graph Transformer Network for Predicting Adsorption Isotherms of Metal-Organic Frameworks. Journal of Chemical Information and Modeling, 2022, 62, 5446-5456.	2.5	11
2009	Dual-function Cd(II) coordination complexes as sensors for efficient detection of Zn ²⁺ and Tb ³⁺ ions. Journal of Luminescence, 2022, 252, 119426.	1.5	1
2010	Selective fluorescent sensing and photocatalytic properties of a new 2D Co coordination polymer based on 1,1'-di(p-carboxylbenzyl)-2,2'-biimidazole. Polyhedron, 2022, 228, 116182.	1.0	3
2011	Mechanism, structural design, modulation and applications of Aggregation-induced emission-based Metal-organic framework. Inorganic Chemistry Communication, 2022, 146, 110038.	1.8	6
2012	Recent advances in photonic crystal-based sensors. Coordination Chemistry Reviews, 2023, 475, 214909.	9.5	38
2013	The progress of electrochromic materials based on metal-organic frameworks. Coordination Chemistry Reviews, 2023, 475, 214891.	9.5	27

#	ARTICLE	IF	CITATIONS
2014	Evaluation and screening of porous materials containing fluorine for carbon dioxide capture and separation. <i>Computational Materials Science</i> , 2023, 216, 111872.	1.4	1
2015	A naphthalenediimide-based Cd-MOF as solvatochromic sensor to detect organic amines. <i>Journal of Solid State Chemistry</i> , 2023, 317, 123660.	1.4	2
2016	Metal organic frameworks and their composites as effective tools for sensing environmental hazards: An up to date tale of mechanism, current trends and future prospects. <i>Coordination Chemistry Reviews</i> , 2023, 474, 214859.	9.5	45
2017	Fabrication strategies for metal-organic framework electrochemical biosensors and their applications. <i>Coordination Chemistry Reviews</i> , 2023, 475, 214814.	9.5	46
2018	Mechanism, design and application of fluorescent recognition based on metal organic frameworks in pollutant detection. <i>Chemical Engineering Journal</i> , 2023, 454, 139931.	6.6	70
2019	Ionic metal-organic frameworks (iMOFs): progress and prospects as ionic functional materials. <i>Chemical Communications</i> , 2022, 58, 13676-13698.	2.2	22
2020	Metal-organic framework-based nanomaterials for the optoelectrochemical detection of food contaminants. , 2023, , 205-222.		1
2021	Zirconium-based metal-organic frameworks for fluorescent sensing. <i>Coordination Chemistry Reviews</i> , 2023, 476, 214930.	9.5	63
2022	Detection of anthrax biomarker and metallic ions in aqueous media using spherical-shaped lanthanide infinite coordination polymers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2023, 286, 122033.	2.0	5
2023	Recent advances in metal-organic frameworks for X-ray detection. <i>Science China Chemistry</i> , 2022, 65, 2338-2350.	4.2	12
2024	An electrochemical sensor for cadmium ion detection that is based on an AuNP-functionalized metal-organic framework-graphene nanocomposite. <i>Journal of Materials Research</i> , 2022, 37, 4368-4380.	1.2	3
2025	Pillar-Layered Metal-Organic Frameworks for Sensing Specific Amino Acid and Photocatalyzing Rhodamine B Degradation. <i>Molecules</i> , 2022, 27, 7551.	1.7	8
2026	Confinement-Driven Photophysics in Hydrazone-Based Hierarchical Materials. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	5
2027	Schiff Base Pillar-layered Metal-organic Frameworks: From Synthesis to Applications. <i>Comments on Inorganic Chemistry</i> , 2023, 43, 382-427.	3.0	2
2028	Novel strategies for the formulation and processing of aluminum metal-organic framework-based sensing systems toward environmental monitoring of metal ions. <i>Journal of Hazardous Materials</i> , 2023, 444, 130422.	6.5	4
2029	Influence of Tartrate Ligand Coordination over Luminescence Properties of Chiral Lanthanide-Based Metal-Organic Frameworks. <i>Nanomaterials</i> , 2022, 12, 3999.	1.9	0
2030	Oxytetracycline Degradation by Heterogeneous Photo-Fenton-Like Process Using h@MIL-100(Fe) with LED Visible Light. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	1.1	3
2031	Lanthanide(III) Ions and 5-Methylisophthalate Ligand Based Coordination Polymers: An Insight into Their Photoluminescence Emission and Chemosensing for Nitroaromatic Molecules. <i>Nanomaterials</i> , 2022, 12, 3977.	1.9	2

#	ARTICLE	IF	CITATIONS
2032	Dual-Emitting Ratiometric Luminescent Thermometers Based on Lanthanide Metal-Organic Complexes with Brønsted Acidic Ionic Liquids. <i>Inorganic Chemistry</i> , 2022, 61, 18998-19009.	1.9	3
2033	MOF-Based Mycotoxin Nanosensors for Food Quality and Safety Assessment through Electrochemical and Optical Methods. <i>Molecules</i> , 2022, 27, 7511.	1.7	5
2034	Confinement-Driven Photophysics in Hydrazone-Based Hierarchical Materials. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
2035	BN/Fe ₃ O ₄ /MIL-53(Fe) ternary nanocomposite for boosted ibuprofen degradation by visible light assisted photocatalytic activation of persulfate. <i>Surfaces and Interfaces</i> , 2022, 35, 102472.	1.5	9
2036	Tailor-Made Multiple Interpenetrated Metal-Organic Framework for Selective Detection and Adsorption of ReO ₄ ⁻ . <i>Analytical Chemistry</i> , 2022, 94, 16864-16870.	3.2	6
2037	Metal-organic framework-derived advanced oxygen electrocatalysts as air-cathodes for Zn-air batteries: recent trends and future perspectives. <i>Materials Horizons</i> , 2023, 10, 745-787.	6.4	24
2038	Terbium-modified two-dimensional zirconium-based metal-organic frameworks for photoluminescence detection of nitrite. <i>Molecular Systems Design and Engineering</i> , 2023, 8, 330-340.	1.7	5
2039	Synthesis, crystal structure of four 1D to 3D coordination polymers as potential sensor for the detection of ions, antibiotics and pesticides in water media. <i>Polyhedron</i> , 2023, 230, 116242.	1.0	10
2040	Detection of salbutamol and enantioselective sensing of L-lysine based on a cadmium-based coordination polymer. <i>New Journal of Chemistry</i> , 2023, 47, 674-680.	1.4	2
2041	Elucidating phase transformation of Eu-based metal organic framework with intermediate isolation and theoretical calculations. <i>CrystEngComm</i> , 0, , .	1.3	0
2042	Synthesis, crystal structures, photophysics and computational study of a series of luminescent Pb ²⁺ compounds bearing various functionalized diimine ligands. <i>Polyhedron</i> , 2023, 230, 116220.	1.0	0
2043	Cu ²⁺ @NMOFs-to-bimetallic CuFe PBA transformation: An instant catalyst with oxidase-mimicking activity for highly sensitive impedimetric biosensor. <i>Biosensors and Bioelectronics</i> , 2023, 222, 114961.	5.3	4
2044	Metal-organic framework membranes for proton exchange membrane fuel cells: A mini-review. <i>Inorganica Chimica Acta</i> , 2023, 546, 121304.	1.2	7
2045	Recent advance of macroscopic metal-organic frameworks for water treatment: A review. <i>Surfaces and Interfaces</i> , 2023, 36, 102564.	1.5	21
2046	A heat set-Zr-Diimide based Fibrous Metallogel: Multiresponsive Sensor, Column-based Dye Separation, and Iodine Sequestration. <i>Journal of Colloid and Interface Science</i> , 2023, 633, 441-452.	5.0	9
2047	Cadmium-Based coordination polymers (CPs) constructed from two different V-Shaped dicarboxylate Ligands: Synthesis, structure and dielectric properties. <i>Inorganic Chemistry Communication</i> , 2023, 148, 110280.	1.8	3
2048	Ratiometric fluorescence detection of artemisinin based on photoluminescent Zn-MOF combined with hemin as catalyst. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2023, 289, 122253.	2.0	2
2049	Multiscale Computational Approaches toward the Understanding of Materials. <i>Advanced Theory and Simulations</i> , 2023, 6, .	1.3	4

#	ARTICLE	IF	CITATIONS
2050	Metal-Organic Frameworks as Intelligent Drug Nanocarriers for Cancer Therapy. <i>Pharmaceutics</i> , 2022, 14, 2641.	2.0	5
2051	Reticular Chemistry with Art: A Case Study of Olympic Rings-Inspired Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2022, 144, 22170-22177.	6.6	12
2052	Hafnium(IV) Chemistry with Imide-Dioxime and Catecholate-Oxime Ligands: Unique $\{Hf_5\}$ and Metalloaromatic $\{Hf_6\}$ -Oxo Clusters Exhibiting Fluorescence. <i>Inorganic Chemistry</i> , 2022, 61, 20253-20267.	1.9	0
2053	Real-Time <i>In Situ</i> Volatile Organic Compound Sensing by a Dual-Emissive Polynuclear Ln-MOF with Pronounced Ln ^{III} Luminescence Response. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	27
2054	Molecular-kinetic study of multilayers gas-adsorption in a rarefied gas environment. <i>Physics of Fluids</i> , 2022, 34, .	1.6	1
2055	Selective Low-Level Detection of a Perilous Nitroaromatic Compound Using Tailor-Made Cd(II)-Based Coordination Polymers: Study of Photophysical Properties and Effect of Functional Groups. <i>Inorganic Chemistry</i> , 2023, 62, 98-113.	1.9	11
2056	Composites Filled with Metal Organic Frameworks and Their Derivatives: Recent Developments in Flame Retardants. <i>Polymers</i> , 2022, 14, 5279.	2.0	7
2057	Design of Flexible Metal-Organic Framework-Based Superprotonic Conductors and Their Fabrication with a Polymer into Proton Exchange Membranes. <i>ACS Applied Energy Materials</i> , 2023, 6, 9092-9107.	2.5	9
2058	Mechanochemistry Milling of Waste Poly(Ethylene Terephthalate) into Metal-Organic Frameworks. <i>ChemSusChem</i> , 2023, 16, .	3.6	19
2059	Recent advances in determination applications of emerging films based on nanomaterials. <i>Advances in Colloid and Interface Science</i> , 2023, 311, 102828.	7.0	3
2061	Efficient Recognition and Removal of Persistent Organic Pollutants by a Bifunctional Molecular Material. <i>Journal of the American Chemical Society</i> , 2023, 145, 260-267.	6.6	38
2062	Tunable and Thermally Stable Luminescence from Polycyclic Aromatic Hydrocarbons Confined in a Zeolitic Imidazolate Framework. <i>Advanced Optical Materials</i> , 0, , 2201856.	3.6	1
2063	MOF-Based Materials with Sensing Potential: Pyrrolidine-Fused Chlorin at UiO-66(Hf) for Enhanced NO ₂ Detection. <i>Chemosensors</i> , 2022, 10, 511.	1.8	0
2064	Atomically Precise Integration of Multiple Functional Motifs in Catalytic Metal-Organic Frameworks for Highly Efficient Nitrate Electroreduction. <i>Jacs Au</i> , 2022, 2, 2765-2777.	3.6	8
2065	Smart crystalline frameworks constructed with bisquinoxaline-based component for multi-stimulus luminescent sensing materials. , 2023, 42, 100001.		20
2066	Dense Conductive Metal-Organic Frameworks as Robust Electrocatalysts for Biosensing. <i>Analytical Chemistry</i> , 2022, 94, 17177-17185.	3.2	14
2067	Real-Time <i>In Situ</i> Volatile Organic Compound Sensing by a Dual-Emissive Polynuclear Ln-MOF with Pronounced Ln ^{III} Luminescence Response. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
2068	A novel spectroscopic technique for studying metal-organic frameworks based on Mie scattering. <i>Analytical and Bioanalytical Chemistry</i> , 2023, 415, 1313-1320.	1.9	1

#	ARTICLE	IF	CITATIONS
2069	Recent Advances in Luminescent Metal-Organic Frameworks for Detection of Gas and Volatile Organic Molecules. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-12.	2.4	0
2070	Photosensitive ionic cocrystal composed of trimesic acid and 4-styrylpyridine. <i>CrystEngComm</i> , 0, , .	1.3	2
2071	A literature review of MOF derivatives of electromagnetic wave absorbers mainly based on pyrolysis. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2023, 30, 446-473.	2.4	35
2072	Topological entrapment of macromolecules during the formation of metal-organic framework. <i>Chemical Communications</i> , 0, , .	2.2	1
2073	ZIF-derived non-bonding Co/Zn coordinated hollow carbon nitride for enhanced removal of antibiotic contaminants by peroxydisulfate activation: Performance and mechanism. <i>Applied Catalysis B: Environmental</i> , 2023, 325, 122401.	10.8	29
2074	Functional Metal/Carbon Composites Derived from Metal-Organic Frameworks: Insight into Structures, Properties, Performances, and Mechanisms. <i>ACS Catalysis</i> , 2023, 13, 1759-1790.	5.5	74
2075	Metal-Organic Framework Fluorescence Sensors for Rapid and Accurate Detection of Melamine in Milk Powder. <i>Biosensors</i> , 2023, 13, 94.	2.3	14
2076	Metal-Organic Frameworks-Based Optical Nanosensors for Analytical and Bioanalytical Applications. <i>Biosensors</i> , 2023, 13, 128.	2.3	2
2077	A Robust Strontium Coordination Polymer with Selective and Sensitive Fluorescence Sensing Ability for Fe ³⁺ Ions. <i>Materials</i> , 2023, 16, 577.	1.3	1
2078	Noncentrosymmetric Lanthanide-Based MOF Materials Exhibiting Strong SHG Activity and NIR Luminescence of Er ³⁺ : Application in Nonlinear Optical Thermometry. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 3244-3252.	4.0	21
2079	Metal-organic frameworks for food contaminant adsorption and detection. <i>Frontiers in Chemistry</i> , 0, 11, .	1.8	5
2080	Statistical copolymer metal organic nanotubes. <i>Chemical Science</i> , 2023, 14, 1003-1009.	3.7	2
2081	Two isostructural Ln-MOFs containing triazole groups as luminescent probes for efficient sensing of NACs and Fe ³⁺ . <i>Inorganica Chimica Acta</i> , 2023, 547, 121376.	1.2	6
2082	Structural influence of the length and functionality of N,N-donor spacers in Cd(II) ladder-type coordination polymers. <i>Journal of Molecular Structure</i> , 2023, 1277, 134896.	1.8	17
2083	Luminescent (metallo-supramolecular) cross-linked lanthanide hydrogels from a btp (2,3-bis(1,2,3-triazol-4-yl)picolinamide) monomer give rise to strong Tb(III) and Eu(III) centred emissions. <i>Materials Chemistry Frontiers</i> , 2023, 7, 906-916.	3.2	6
2084	2D Metal-Organic Frameworks as Competent Electrocatalysts for Water Splitting. <i>Small</i> , 2023, 19, .	5.2	31
2085	Electrodeposition of Ag/ZIF-8-Modified Membrane for Water Remediation. <i>Langmuir</i> , 2023, 39, 2291-2300.	1.6	5
2086	Construction of Zn ^{II} /Cd ^{II} -based MOFs containing a tripodal aromatic carboxylate ligand with unequal arms and their fluorescence detection for Cu ²⁺ and Fe ³⁺ cations. <i>CrystEngComm</i> , 2023, 25, 1232-1239.	1.3	2

#	ARTICLE	IF	CITATIONS
2087	Activity of Nâ€“H in phenothiazine derivatives: synthesis and applications in fluoride ions sensing and electrochromism. <i>Journal of Materials Chemistry C</i> , 2023, 11, 2949-2956.	2.7	6
2088	Post Engineering of a Chemically Stable MOF for Selective and Sensitive Sensing of Nitric Oxide. <i>Molecular Systems Design and Engineering</i> , 0, , .	1.7	2
2089	Dual-Emission 2D Blue Luminescent Organic Silver Chalcogenide for Highly Selective Pb²⁺ Detection in an Aqueous Medium. <i>Inorganic Chemistry</i> , 2023, 62, 2334-2341.	1.9	0
2090	An imidazole based luminescent Zn (II) metalâ€“organic framework for sensing of nitroaromatic explosives. <i>Inorganica Chimica Acta</i> , 2023, 549, 121409.	1.2	4
2091	Cu(II)-based coordination polymer encapsulated formate: Unveiling efficient photocatalytic degradation of Rose Bengal dye and remarkable sensing of DMF, acetone and acetonitrile. <i>Journal of Molecular Structure</i> , 2023, 1280, 135055.	1.8	2
2092	A functional cobalt-organic framework constructed by triphenylamine tricarboxylate: Detect nitroaromatics by fluorescence sensing and UV-shielding. <i>Talanta</i> , 2023, 256, 124319.	2.9	2
2093	Bayesian optimization of the composition of the lanthanide metalâ€“organic framework MIL-103 for white-light emission. <i>Molecular Systems Design and Engineering</i> , 2023, 8, 431-435.	1.7	4
2094	Dual-emission dye@MIL-101(Al) composite as fluorescence sensor for the selective and sensitive detection towards arginine. <i>Journal of Solid State Chemistry</i> , 2023, 323, 124025.	1.4	2
2095	A multicenter lanthanide coordination polymer for ratiometric pesticide monitoring. <i>Sensors and Actuators B: Chemical</i> , 2023, 383, 133593.	4.0	2
2096	A review on covalent organic frameworks as adsorbents for organic pollutants. <i>Journal of Cleaner Production</i> , 2023, 400, 136737.	4.6	28
2097	A rare heptanuclear cluster-based yttrium-organic framework with an aromatic tricarboxylate ligand for blue LED application. <i>Inorganic Chemistry Communication</i> , 2023, 151, 110623.	1.8	0
2098	Zirconium Metal-Organic Framework bearing V-shape letrozole dicarboxylic acid for versatile fluorescence detection. <i>Inorganica Chimica Acta</i> , 2023, 550, 121436.	1.2	2
2099	NH ₂ -MIL-125(Ti)/amorphous TiO ₂ microspheres for enhanced visible light photocatalytic selective oxidation of amines. <i>Materials Today Chemistry</i> , 2023, 30, 101505.	1.7	1
2100	A new quercetin@ZIF-8 composite as turn-on fluorescent sensor for selective and sensitive detection of Al ³⁺ ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 440, 114677.	2.0	0
2101	A multifunctional probe based on a heterometallic-organic framework: highly selective detection of 1,3-dinitrobenzene, tryptophan, and visual recognition of pentavalent vanadate ions. <i>Materials Today Chemistry</i> , 2023, 30, 101518.	1.7	2
2102	Two luminescent phosphonate metal-organic framework as highly efficient and sensitive sensors for the detections of tetracycline antibiotic in aqueous system. <i>Journal of Solid State Chemistry</i> , 2023, 322, 123942.	1.4	7
2103	Fluorescent probes for ozone-specific recognition: An historical overview and future perspectives. <i>Trends in Environmental Analytical Chemistry</i> , 2023, 38, e00201.	5.3	4
2104	Luminescence enhancement of gold nanoclusters hydrogel through co-assembly strategy and its application for detection. <i>Journal of Molecular Liquids</i> , 2023, 380, 121718.	2.3	1

#	ARTICLE	IF	CITATIONS
2105	Chemorobust dye-encapsulated framework as dual-emission self-calibrating ratiometric sensor for intelligent detection of toluene exposure biomarker in urine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2023, 296, 122637.	2.0	30
2106	A novel fluorescent biomimetic sensor based on cerium, nitrogen co-doped carbon quantum dots embedded in cobalt-based metal organic framework@molecularly imprinted polymer for selective and sensitive detection of oxytetracycline. <i>Microchemical Journal</i> , 2023, 190, 108606.	2.3	11
2107	Dual-functional fluorescent metal-organic framework based beads for visual detection and removal of oxytetracycline in real aqueous solution. <i>Applied Surface Science</i> , 2023, 625, 157202.	3.1	8
2108	Dual recognition strategy for the rapid and precise detection of <i>Bacillus cereus</i> using post-modified nano-MOF and aptamer. <i>Sensors and Actuators B: Chemical</i> , 2023, 386, 133745.	4.0	2
2109	A pyrazole-functional 3D cobalt-organic framework for fluorescence detection of Cu ²⁺ and Hg ²⁺ . <i>Journal of Molecular Structure</i> , 2023, 1284, 135456.	1.8	3
2110	A three-dimensional terbium metal-organic framework fluorescent sensor for efficient detection of chloroquine phosphate in serum. <i>Microchemical Journal</i> , 2023, 190, 108743.	2.3	1
2111	Metal organic frameworks as promising sensing tools for electrochemical detection of persistent heavy metal ions from water matrices: A concise review. <i>Chemosphere</i> , 2023, 318, 137920.	4.2	12
2112	Constructing functional metal-organic frameworks by ligand design for environmental applications. <i>Journal of Hazardous Materials</i> , 2023, 447, 130848.	6.5	14
2113	Molecular docking with SARS-CoV-2 and potential drug property of a bioactive novel Zn(II) polymer: A combined experimental and theoretical study. <i>Polyhedron</i> , 2023, 233, 116304.	1.0	0
2114	Enhancement of the intrinsic fluorescence of ZIF-8 via post-synthetic cation exchange with Cd ²⁺ and its incorporation into PDMS films for selective sulfide optical sensing. <i>Materials Today Chemistry</i> , 2023, 28, 101366.	1.7	1
2115	Down-converting luminescent optoelectronics and their applications. <i>APL Photonics</i> , 2023, 8, .	3.0	6
2116	Research progress of POMs constructed by 1,3,5-benzene-tricarboxylic acid: From synthesis to application. <i>Coordination Chemistry Reviews</i> , 2023, 481, 215044.	9.5	16
2117	Multicomponent Anti-Kasha's Rule Emission from Nanotubular Metal-Organic Frameworks for Selective Detection of Small Molecules. <i>Inorganic Chemistry</i> , 2023, 62, 3170-3177.	1.9	5
2118	Efficient and Rapid Synthesis of a Solvent and Ion-Responsive Luminescent Copper 2-Aminoterephthalate Thin Film. , 2023, 1, 587-597.		2
2119	Amide Functionalized Mesoporous MOF LOCOM-1 as a Stable Highly Active Basic Catalyst for Knoevenagel Condensation Reaction. <i>ACS Omega</i> , 2023, 8, 6638-6649.	1.6	0
2120	Dual-functional pyrene implemented mesoporous silicon material used for the detection and adsorption of metal ions. <i>Chinese Journal of Chemical Engineering</i> , 2023, 60, 108-117.	1.7	4
2121	Metal-organic framework-derived photoelectrochemical sensors: structural design and biosensing technology. <i>Journal of Materials Chemistry C</i> , 2023, 11, 3692-3709.	2.7	17
2122	Self-assembled, Prous and Molecularly Imprinted Supramolecular Structures in Sensing. , 2023, , 165-208.		0

#	ARTICLE	IF	CITATIONS
2123	Fluorescence Sensing of Physical Parameters and Chemical Composition in Gases and Condensed Media. , 2023, , 237-294.		0
2124	A 2D Dy-based metal-organic framework derived from benzothiadiazole: structure and photocatalytic properties. Dalton Transactions, 2023, 52, 4058-4062.	1.6	1
2125	Metal-organic frameworks (MOF)-based sensors for detection of toxic gases: A review of current status and future prospects. Materials Chemistry and Physics, 2023, 299, 127512.	2.0	29
2126	A 2D Cd-based metal-organic framework: synthesis, structure, selectively and sensitive sensing of Fe ³⁺ . Journal of Coordination Chemistry, 2023, 76, 494-502.	0.8	1
2127	2D Cd-MOF and its mixed-matrix membranes for luminescence sensing antibiotics in various aqueous systems and visible fingerprint identifying. Chinese Chemical Letters, 2023, 34, 108227.	4.8	10
2128	Defective Metal-Organic Framework Nanocrystals as Signal Amplifiers for Electrochemical Dopamine Sensing. ACS Applied Nano Materials, 2023, 6, 3675-3684.	2.4	10
2129	Quasi-HKUST-1 Nanostructures with Enhanced Catalytic Activity and Water Stability for Bacteria-Infected Diabetic Wound Therapy. ACS Applied Nano Materials, 2023, 6, 3835-3847.	2.4	4
2130	A S-scheme MOF-on-MOF Heterostructure. Advanced Functional Materials, 2023, 33, .	7.8	40
2131	Construction of MOFs-based nanocomposite membranes for emerging organic contaminants abatement in water. Frontiers of Environmental Science and Engineering, 2023, 17, .	3.3	7
2132	Unconventional Dual Donor-Acceptor Topologies of Aromatic Rings in Amine-Based Polymeric Tetrahedral Zn(II) Compounds Involving Unusual Non-Covalent Contacts: Antiproliferative Evaluation and Theoretical Studies. Crystals, 2023, 13, 382.	1.0	2
2133	A multifunctional cobalt-organic framework for proton conduction and selective sensing of Fe ³⁺ ions. Dalton Transactions, 2023, 52, 4407-4414.	1.6	5
2134	Highly selective C ₂ H ₂ and CO ₂ capture based on two new Zn ^{II} -MOFs and fluorescence sensing of two doped MOFs with Eu ^{III} . CrystEngComm, 2023, 25, 2313-2320.	1.3	1
2135	Preparation and quantitative analysis of multicenter luminescence materials for sensing function. Nature Protocols, 2023, 18, 1621-1640.	5.5	28
2136	Efficiency and selectivity of cost-effective Zn-MOF for dye removal, kinetic and thermodynamic approach. Environmental Science and Pollution Research, 2023, 30, 106860-106875.	2.7	5
2137	Rational design of COF-MOF composites for ratiometric fluorescence detection of phosphate. New Journal of Chemistry, 2023, 47, 6186-6190.	1.4	4
2138	Metal and Ligand Effect on the Structural Diversity of Divalent Coordination Polymers with Mixed Ligands: Evaluation for Photodegradation. Molecules, 2023, 28, 2226.	1.7	2
2139	Construction of Zn ^{II} /Cd ^{II} -CPs and their fluorescent detection for Fe ³⁺ , Cr ₂ O ₇ ²⁻ and TNP in water via luminescence quenching. CrystEngComm, 2023, 25, 2728-2738.	1.3	6
2140	Localization of nuclear wave functions of lithium in [Li ⁺ @C ₆₀]PF ₆ ⁻ : molecular insights into two-site disorder-order transition. Physical Chemistry Chemical Physics, 2023, 25, 8446-8462.	1.3	0

#	ARTICLE	IF	CITATIONS
2141	Ultralow-Power Cryogenic Thermometry Based on Optical-Transition Broadening of a Two-Level System in Diamond. <i>ACS Photonics</i> , 2023, 10, 2481-2487.	3.2	3
2142	Unprecedented highly efficient photoluminescence in a phosphorescent Ag(<i>scp</i>) <i>scp</i> coordination polymer. <i>Chemical Communications</i> , 2023, 59, 4616-4619.	2.2	3
2143	Brightly Luminescent (TbxLu1 $\hat{\sim}$ x)2bdc3 $\hat{\sim}$ nH ₂ O MOFs: Effect of Synthesis Conditions on Structure and Luminescent Properties. <i>Molecules</i> , 2023, 28, 2378.	1.7	3
2144	High-efficiency catalysis of nitrogen-rich metal-organic frameworks and their derivatives for the thermal decomposition of ammonium perchlorate. <i>Energetic Materials Frontiers</i> , 2023, 4, 37-43.	1.3	1
2145	Metal $\hat{\sim}$ Organic Frameworks as Sensors for Human Amyloid Diseases. <i>ACS Sensors</i> , 2023, 8, 1033-1053.	4.0	14
2146	A Zn-coordination polymer as a multifunctional fluorescent probe for the detection of V ₂ O ₇ ⁴⁻ , Fe ³⁺ , and <i>p</i> -nitrotoluene. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 10090-10096.	1.3	1
2147	A BF ₂ Chelate Exhibiting Excimer $\hat{\sim}$ like Fluorescence with an Unusually Large Stokes Shift in the Crystalline Phase. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	0
2148	Facile Strategy of Directing Metal $\hat{\sim}$ Organic Frameworks into Hollow Nanostructures by Halide Ions. <i>Journal of Physical Chemistry C</i> , 2023, 127, 5702-5712.	1.5	3
2149	Photoluminescence PCMs and their potential for thermal adaptive textiles. , 2023, , 255-277.		0
2150	Dual-Emission Metal $\hat{\sim}$ Organic Framework for Highly Selective Ratiometric Sensing of Lithium(I) Ions in Aqueous Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 5262-5269.	3.2	6
2151	Nanotheranostics: application of nanosensors in diabetes management. <i>Journal of Diabetes and Metabolic Disorders</i> , 0, , .	0.8	0
2152	Fabrication of 3D Oriented MOF Micropatterns with Anisotropic Fluorescent Properties. <i>Advanced Materials</i> , 2023, 35, .	11.1	6
2153	Numerical Recognition System and Ultrasensitive Fluorescence Sensing Platform for Al ³⁺ and UO ₂ ²⁺ Based on Ln (III)-Functionalized MOF-808 via Thiodiglycolic Acid Intermediates. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 16882-16894.	4.0	14
2154	A Luminescent Zinc(II) Coordination Polymer for Selective Detection of Fe ³⁺ and Cr ₂ O ₇ ²⁻ in Water and Catalytic CO ₂ Fixation. <i>European Journal of Inorganic Chemistry</i> , 2023, 26, .	1.0	4
2155	Metal-organic frameworks: Synthetic methods for industrial production. <i>Nano Research</i> , 2023, 16, 7906-7925.	5.8	14
2156	Recrystallization of 2D C-MOF Films for High-Performance Electrochemical Sensors. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 16991-16998.	4.0	11
2157	Recent Advancements in the Preparation and Application of Copper Single-Atom Catalysts. <i>ACS Applied Nano Materials</i> , 2023, 6, 4987-5041.	2.4	10
2158	2D MOFs Containing Bis(azabenzimidazole) and Dicarboxylate Moieties for the Efficient Oxygen Evolution Reaction and CO ₂ Sorption. <i>Crystal Growth and Design</i> , 0, , .	1.4	0

#	ARTICLE	IF	CITATIONS
2159	Preparation and Applications of Polydimethylsiloxane-Based Fluorescent Materials. <i>Macromolecular Rapid Communications</i> , 0, , .	2.0	0
2160	Preparation of CH ₃ NH ₃ PbBr ₃ Perovskites Encapsulated in ZIF-8 with Improved Stability and Their Application in Fluorimetry and Information Encryption. <i>Langmuir</i> , 2023, 39, 5315-5322.	1.6	0
2161	Ligand Torsion Engineering in Three Flexible Metal-Organic-Frameworks Exhibiting Distinct Breathing Behavior for Enhancing C ₂ H ₂ Capture. <i>Inorganic Chemistry</i> , 2023, 62, 5931-5938.	1.9	3
2162	9,10-Bis(diphenylmethylene)-9,10-dihydroanthracene-based metal-organic assemblies with aggregation-induced emission for multiple sensing. <i>Chinese Chemical Letters</i> , 2023, 34, 108439.	4.8	2
2163	Four isostructural lanthanide metal-organic frameworks: luminescence properties and fluorescence sensing for Fe ³⁺ and Cr ₂ O ₇ ²⁻ ions. <i>CrystEngComm</i> , 2023, 25, 2813-2823.	1.3	3
2164	Ultrasensitive Detection of Multidrug-Resistant Bacteria Based on Boric Acid-Functionalized Fluorescent MOF@COF. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 18663-18671.	4.0	11
2165	Selective and reversible chemical sensor for methamphetamine detection using AlEgen and cucurbit[7]uril. <i>Chinese Journal of Analytical Chemistry</i> , 2023, 51, 100275.	0.9	1
2166	Recent Progress in the Application of Metal Organic Frameworks in Surface-Enhanced Raman Scattering Detection. <i>Biosensors</i> , 2023, 13, 479.	2.3	2
2167	Two novel metal-organic frameworks constructed by pyridinyl-derived and carboxylate mixed ligands for photocatalytic dye degradation. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
2169	A MOF/DNA luminescent sensing platform for detection of potential COVID-19 biomarkers and drugs. <i>Chemical Science</i> , 2023, 14, 5386-5395.	3.7	6
2170	Fluorescent metal-organic frameworks for analytical applications. , 2023, , 339-374.		0
2171	ZIF-67/Ti3C2 MXene intercalated membrane with enhanced physical/chemical coupling light-to-heat conversion for laser ignition. <i>Applied Surface Science</i> , 2023, 627, 157285.	3.1	4
2210	Recent Advances in Metal-Organic Frameworks Based on Electrospinning for Energy Storage. <i>Advanced Fiber Materials</i> , 2023, 5, 1592-1617.	7.9	11
2219	Advances in 2D MOFs for Environmental Applications. <i>Springer Series in Materials Science</i> , 2023, , 327-349.	0.4	0
2248	Advanced BIFs with Co, B, N, and S for Electrocatalytic Oxygen Reduction and Oxygen Evolution Reactions. <i>Inorganic Chemistry</i> , 2023, 62, 11287-11290.	1.9	0
2251	Indoor carbon dioxide capture technologies: a review. <i>Environmental Chemistry Letters</i> , 2023, 21, 2559-2581.	8.3	2
2270	Optical detection of alcohols with a Cu(<i>i</i>)HETPHEN complex by reversible aldehyde to hemiacetal conversion. <i>Analyst</i> , The, 0, , .	1.7	0
2271	Lanthanides in biosensing. , 2023, , 409-540.		0

#	ARTICLE	IF	CITATIONS
2279	Linker engineering toward near-infrared-I emissive metal-organic frameworks for amine detection. Dalton Transactions, 2023, 52, 12198-12202.	1.6	0
2280	Interfacial chemistries in metal-organic framework (MOF)/covalent-organic framework (COF) hybrids. Nanoscale, 2023, 15, 13187-13201.	2.8	1
2284	Aggregation behaviour of pyrene-based luminescent materials, from molecular design and optical properties to application. Chemical Society Reviews, 2023, 52, 6715-6753.	18.7	26
2289	Use of Metal-Organic Frameworks in the Detection Stage of Analysis/Miniaturization Devices. , 2023, , 228-250.		0
2298	Metal-Organic Frameworks for Sensing Applications. , 2023, , 251-300.		0
2306	Dynamic-static coupled sensing of trace biomarkers by molecularly imprinted metal-organic frameworks. Science China Chemistry, 0, , .	4.2	0
2321	Graphene-based Nanocomposites for Protein Sensing. , 2023, , 343-368.		0
2333	Optical Sensors Based on Metal-Organic Frameworks. Progress in Optical Science and Photonics, 2023, , 175-198.	0.3	0
2383	Porous Nanofabrications for Biosensing and Related Biological Application In-vitro/vivo Usability. Materials Advances, 0, , .	2.6	0
2427	Metal organic framework-based variable-size nanoparticles for tumor microenvironment-responsive drug delivery. Drug Delivery and Translational Research, 0, , .	3.0	1