Yao-Yu Wang

List of Publications by Year
in descending order

329 papers	13,634 citations	17440 63 h-index	39675 94 g-index
336 all docs	336 docs citations	336 times ranked	9849 citing authors

#	Article	IF	Citations
1	Uncommon Pyrazoyl-Carboxyl Bifunctional Ligand-Based Microporous Lanthanide Systems: Sorption and Luminescent Sensing Properties. Inorganic Chemistry, 2016, 55, 3952-3959.	4.0	276
2	Preparation and Post-Assembly Modification of Metallosupramolecular Assemblies from Poly(N-Heterocyclic Carbene) Ligands. Chemical Reviews, 2018, 118, 9587-9641.	47.7	254
3	Four uncommon nanocage-based Ln-MOFs: highly selective luminescent sensing for Cu²⁺ions and selective CO₂capture. Chemical Communications, 2014, 50, 8731.	4.1	245
4	Copper-Catalyzed Coupling of Oxime Acetates with Aldehydes: A New Strategy for Synthesis of Pyridines. Organic Letters, 2011, 13, 5394-5397.	4.6	220
5	Three new solvent-directed Cd(<scp>ii</scp>)-based MOFs with unique luminescent properties and highly selective sensors for Cu²⁺ cations and nitrobenzene. Dalton Transactions, 2015, 44, 3271-3277.	3.3	203
6	Textiles/Metalâ€“Organic Frameworks Composites as Flexible Air Filters for Efficient Particulate Matter Removal. ACS Applied Materials & Interfaces, 2019, 11, 17368-17374.	8.0	175
7	Porous MOF with Highly Efficient Selectivity and Chemical Conversion for CO₂. ACS Applied Materials & Interfaces, 2017, 9, 17969-17976.	8.0	173
8	Molecular braids in metalâ€“organic frameworks. Chemical Society Reviews, 2012, 41, 6992.	38.1	166
9	Four super water-stable lanthanideâ€“organic frameworks with active uncoordinated carboxylic and pyridyl groups for selective luminescence sensing of Fe³⁺. Dalton Transactions, 2015, 44, 13325-13330.	3.3	164
10	A robust cluster-based Eu-MOF as multi-functional fluorescence sensor for detection of antibiotics and pesticides in water. Sensors and Actuators B: Chemical, 2021, 331, 129377.	7.8	155
11	Ruthenium-Catalyzed Cyclization of Ketoxime Acetates with DMF for Synthesis of Symmetrical Pyridines. Organic Letters, 2014, 16, 3082-3085.	4.6	153
12	A rod packing microporous metalâ€“organic framework: unprecedented ukv topology, high sorption selectivity and affinity for CO₂. Chemical Communications, 2011, 47, 5464-5466.	4.1	152
13	InÂVitro Expansion of Primary Human Hepatocytes with Efficient Liver Repopulation Capacity. Cell Stem Cell, 2018, 23, 806-819.e4.	11.1	145
14	Two 3D Isostructural Ln(III)-MOFs: Displaying the Slow Magnetic Relaxation and Luminescence Properties in Detection of Nitrobenzene and Cr₂O₇^{2â€“}. Inorganic Chemistry, 2016, 55, 11323-11330.	4.0	142
15	Supramolecular control of MOF pore properties for the tailored guest adsorption/separation applications. Coordination Chemistry Reviews, 2021, 434, 213709.	18.8	141
16	Honeycomb Metalâ€“Organic Framework with Lewis Acidic and Basic Bifunctional Sites: Selective Adsorption and CO₂ Catalytic Fixation. ACS Applied Materials & Interfaces, 2018, 10, 10965-10973.	8.0	138
17	Three new luminescent Cd(<scp>ii</scp>)-MOFs by regulating the tetracarboxylate and auxiliary co-ligands, displaying high sensitivity for Fe³⁺ in aqueous solution. Dalton Transactions, 2015, 44, 10385-10391.	3.3	132
18	Multifunctional Coating Based on Hyaluronic Acid and Dopamine Conjugate for Potential Application on Surface Modification of Cardiovascular Implanted Devices. ACS Applied Materials & Interfaces, 2016, 8, 109-121.	8.0	132

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19	Investigation on the prime factors influencing the formation of entangled metalâ€“organic frameworks. CrystEngComm, 2013, 15, 2561.	2.6	131
20	Immobilization of heparin/poly-l-lysine nanoparticles on dopamine-coated surface to create a heparin density gradient for selective direction of platelet and vascular cells behavior. Acta Biomaterialia, 2014, 10, 1940-1954.	8.3	126
21	Multifunctional Textiles/Metalâ^'Organic Frameworks Composites for Efficient Ultraviolet Radiation Blocking and Noise Reduction. ACS Applied Materials & Interfaces, 2020, 12, 55316-55323.	8.0	124
22	Efficient light hydrocarbon separation and CO₂ capture and conversion in a stable MOF with oxalamide-decorated polar tubes. Chemical Communications, 2017, 53, 12970-12973.	4.1	121
23	Palladiumâ€Catalyzed Oxidative Carbonylation of the Alkenyl Cï£¿H Bonds of Enamides: Synthesis of 1,3â€Oxazinâ€6â€ones. Angewandte Chemie - International Edition, 2013, 52, 14196-14199.	13.8	120
24	Highly selective luminescence sensing for the detection of nitrobenzene and Fe³⁺ by new Cd(<scp>ii</scp>)-based MOFs. CrystEngComm, 2018, 20, 477-486.	2.6	119
25	Iron-Catalyzed Cyclization of Ketoxime Carboxylates and Tertiary Anilines for the Synthesis of Pyridines. Organic Letters, 2016, 18, 1194-1197.	4.6	118
26	A first new porous dâ€“p HMOF material with multiple active sites for excellent CO₂capture and catalysis. Chemical Communications, 2020, 56, 2395-2398.	4.1	116
27	Two porous luminescent metalâ€“organic frameworks: quantifiable evaluation of dynamic and static luminescent sensing mechanisms towards Fe³⁺. Dalton Transactions, 2015, 44, 17222-17228.	3.3	114
28	An Uncommon Carboxylâ€Decorated Metalâ€“Organic Framework with Selective Gas Adsorption and Catalytic Conversion of CO₂. Chemistry - A European Journal, 2018, 24, 865-871.	3.3	112
29	Rapid Assembly of Diversely Functionalized Spiroindenes by a Threeâ€Component Palladiumâ€Catalyzed Câ^'H Amination/Phenol Dearomatization Domino Reaction. Angewandte Chemie - International Edition, 2017, 56, 14257-14261.	13.8	109
30	Thiol-Functionalized Pores via Post-Synthesis Modification in a Metalâ€“Organic Framework with Selective Removal of Hg(II) in Water. Inorganic Chemistry, 2019, 58, 3409-3415.	4.0	109
31	Highly Waterâ€Stable Lanthanideâ€“Oxalate MOFs with Remarkable Proton Conductivity and Tunable Luminescence. Advanced Materials, 2017, 29, 1701804.	21.0	106
32	Copper-catalyzed homocoupling of ketoxime carboxylates for synthesis of symmetrical pyrroles. Green Chemistry, 2014, 16, 112-115.	9.0	104
33	Novel cage-like MOF for gas separation, CO₂ conversion and selective adsorption of an organic dye. Inorganic Chemistry Frontiers, 2020, 7, 746-755.	6.0	99
34	Highly Stereoselective Synthesis of Imineâ€Containing Dibenzo[b,d]azepines by a Palladium(II)â€Catalyzed [5+2] Oxidative Annulation of oâ€Arylanilines with Alkynes. Angewandte Chemie - International Edition, 2015, 54, 15385-15389.	13.8	98
35	Four new metalâ€“organic frameworks based on diverse secondary building units: sensing and magnetic properties. Dalton Transactions, 2018, 47, 1682-1692.	3.3	98
36	Five sra Topological Ln(III)-MOFs Based on Novel Metal-Carboxylate/Cl Chain: Structure, Near-Infrared Luminescence and Magnetic Properties. Crystal Growth and Design, 2013, 13, 1570-1576.	3.0	95

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37	Ultrastable and Highly Catalytically Active Nâ€Heterocyclicâ€Carbeneâ€Stabilized Gold Nanoparticles in Confined Spaces. Angewandte Chemie - International Edition, 2020, 59, 16683-16689.	13.8	92
38	Strategy for the Construction of Diverse Polyâ€NHCâ€Derived Assemblies and Their Photoinduced Transformations. Angewandte Chemie - International Edition, 2020, 59, 10073-10080.	13.8	89
39	Thermoelectric properties of PEDOT nanowire/PEDOT hybrids. Nanoscale, 2016, 8, 8033-8041.	5.6	88
40	A microporous anionic metalâ€“organic framework for a highly selective and sensitive electrochemical sensor of Cu²⁺ ions. Chemical Communications, 2016, 52, 8475-8478.	4.1	88
41	Tetrahedral Anion Cage: Selfâ€Assembly of a (PO₄)₄L₄ Complex from a Tris(bisurea) Ligand. Angewandte Chemie - International Edition, 2013, 52, 5096-5100.	13.8	87
42	Homoâ€•and Heteroligand Polyâ€NHC Metal Assemblies: Synthesis by Narcissistic and Social Selfâ€Sorting. Angewandte Chemie - International Edition, 2018, 57, 15767-15771.	13.8	87
43	Self-Assembly, Structural Transformation, and Guest-Binding Properties of Supramolecular Assemblies with Triangular Metalâ€“Metal Bonded Units. Journal of the American Chemical Society, 2020, 142, 2524-2531.	13.7	84
44	Controlling Molecular Weight of Hyaluronic Acid Conjugated on Amine-rich Surface: Toward Better Multifunctional Biomaterials for Cardiovascular Implants. ACS Applied Materials & Interfaces, 2017, 9, 30343-30358.	8.0	83
45	Supramolecular Control of Photocycloadditions in Solution: In Situ Stereoselective Synthesis and Release of Cyclobutanes. Angewandte Chemie - International Edition, 2019, 58, 3986-3991.	13.8	83
46	Luminescence Modulation, White Light Emission, and Energy Transfer in a Family of Lanthanide Metalâ€“Organic Frameworks Based on a Planar Ï€-Conjugated Ligand. Crystal Growth and Design, 2017, 17, 4217-4224.	3.0	82
47	Encapsulation of Halocarbons in a Tetrahedral Anion Cage. Angewandte Chemie - International Edition, 2015, 54, 8658-8661.	13.8	81
48	Air- and Light-Stable P₄ and As₄ within an Anion-Coordination-Based Tetrahedral Cage. Journal of the American Chemical Society, 2017, 139, 5946-5951.	13.7	80
49	Palladiumâ€Catalyzed Carbonylation of Amines: Switchable Approaches to Carbamates and N,Nâ€²â€Disubstituted Ureas. Advanced Synthesis and Catalysis, 2012, 354, 489-496.	4.3	78
50	Hierarchically porous sheathâ€“core graphene-based fiber-shaped supercapacitors with high energy density. Journal of Materials Chemistry A, 2018, 6, 896-907.	10.3	77
51	Peripheral Templationâ€Modulated Interconversion between an A₄L₆ Tetrahedral Anion Cage and A₂L₃ Triple Helicate with Guest Capture/Release. Angewandte Chemie - International Edition, 2018, 57, 1851-1855.	13.8	76
52	A Strategy for the Construction of Triply Interlocked Organometallic Cages by Rational Design of Poly-NHC Precursors. Journal of the American Chemical Society, 2020, 142, 13614-13621.	13.7	74
53	Recent progresses in luminescent metalâ€“organic frameworks (LMOFs) as sensors for the detection of anions and cations in aqueous solution. Dalton Transactions, 2021, 50, 1950-1972.	3.3	74
54	Copper-catalyzed 5-endo-trig cyclization of ketoxime carboxylates: a facile synthesis of 2-arylpyrroles. Chemical Communications, 2014, 50, 7437.	4.1	73

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55	Synthesis of Enamides via CuI-Catalyzed Reductive Acylation of Ketoximes with NaHSO3. Journal of Organic Chemistry, 2011, 76, 339-341.	3.2	72
56	A Cationic MOF with High Uptake and Selectivity for CO₂ due to Multiple CO₂â€Philic Sites. Chemistry - A European Journal, 2015, 21, 16525-16531.	3.3	72
57	A New Porous MOF with Two Uncommon Metalâ€“Carboxylateâ€“Pyrazolate Clusters and High CO₂/N₂ Selectivity. Inorganic Chemistry, 2015, 54, 1841-1846.	4.0	71
58	Solvent-free method to encapsulate polyoxometalate into metal-organic frameworks as efficient and recyclable photocatalyst for harmful sulfamethazine degrading in water. Applied Catalysis B: Environmental, 2019, 245, 753-759.	20.2	70
59	Structural diversity of five new bitriazole-based complexes: luminescence, sorption, and magnetic properties. Dalton Transactions, 2015, 44, 1110-1119.	3.3	69
60	Multiple Functions of Gas Separation and Vapor Adsorption in a New MOF with Open Tubular Channels. ACS Applied Materials & Interfaces, 2021, 13, 4102-4109.	8.0	67
61	Solvents influence on sizes of channels in three fry topological Mn(ii)-MOFs based on metalâ€“carboxylate chains: syntheses, structures and magnetic properties. CrystEngComm, 2013, 15, 8125.	2.6	66
62	A new stable luminescent Cd(<scp>ii</scp>) metalâ€“organic framework with fluorescent sensing and selective dye adsorption properties. Dalton Transactions, 2018, 47, 9466-9473.	3.3	65
63	Coupling of enamides with alkynes or arynes for synthesis of substituted pyridines and isoquinolines via amide activation. Chemical Communications, 2012, 48, 8105.	4.1	64
64	Highly selective luminescence sensing for Cu²⁺ ions and selective CO₂ capture in a doubly interpenetrated MOF with Lewis basic pyridyl sites. Dalton Transactions, 2015, 44, 4423-4427.	3.3	64
65	Efficient C₂H_n Hydrocarbons and VOC Adsorption and Separation in an MOF with Lewis Basic and Acidic Decorated Active Sites. ACS Applied Materials & Interfaces, 2020, 12, 41785-41793.	8.0	64
66	Template-Directed Photochemical [2 + 2] Cycloaddition in Crystalline Materials: A Useful Tool to Access Cyclobutane Derivatives. Crystal Growth and Design, 2018, 18, 553-565.	3.0	63
67	Supramolecular Control of Photocycloadditions in Solution: In Situ Stereoselective Synthesis and Release of Cyclobutanes. Angewandte Chemie, 2019, 131, 4026-4031.	2.0	63
68	Two Series of Microporous Lanthanideâ€“Organic Frameworks with Different Secondary Building Units and Exposed Lewis Base Active Sites: Sensing, Dye Adsorption, and Magnetic Properties. Inorganic Chemistry, 2019, 58, 339-348.	4.0	63
69	Tuning the Magnetic Interactions in Dy(III)₄ Single-Molecule Magnets. Inorganic Chemistry, 2018, 57, 8550-8557.	4.0	62
70	Synthesis of symmetrical pyridines by iron-catalyzed cyclization of ketoxime acetates and aldehydes. Green Chemistry, 2017, 19, 1023-1027.	9.0	61
71	Photodynamic antimicrobial chemotherapy for Staphylococcus aureus and multidrug-resistant bacterial burn infection in vitro and in vivo. International Journal of Nanomedicine, 2017, Volume 12, 5915-5931.	6.7	61
72	Palladium-Catalyzed Carbonylation of Indoles for Synthesis of Indol-3-yl Aryl Ketones. ACS Catalysis, 2015, 5, 1210-1213.	11.2	60

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73	Creation of Sub-diffraction Longitudinally Polarized Spot by Focusing Radially Polarized Light with Binary Phase Lens. Scientific Reports, 2016, 6, 38859.	3.3	60
74	Oxide-based RRAM: Unified microscopic principle for both unipolar and bipolar switching. , 2011, , .		58
75	Dynamic Zn-based metalâ€“organic framework: stepwise adsorption, hysteretic desorption and selective carbon dioxide uptake. Journal of Materials Chemistry A, 2013, 1, 6535.	10.3	58
76	Solvent Influence on Sizes of Channels in Three New Co(II) Complexes, Exhibiting an Active Replaceable Coordinated Site. Crystal Growth and Design, 2013, 13, 66-73.	3.0	57
77	Three new solvent-directed 3D lead(ii)â€“MOFs displaying the unique properties of luminescence and selective CO2 sorption. Dalton Transactions, 2013, 42, 13590.	3.3	57
78	Tunable Emission and Selective Luminescence Sensing in a Series of Lanthanide Metalâ€“Organic Frameworks with Uncoordinated Lewis Basic Triazolyl Sites. Crystal Growth and Design, 2018, 18, 2031-2039.	3.0	57
79	Oneâ€Step C₂H₄Purification from Ternary C₂H₆/C₂H₄/C₂H₂Mixtures by a Robust Metalâ€“Organic Framework with Customized Pore Environment. Angewandte Chemie - International Edition, 2022, 61, .	13.8	57
80	A Rare L1D + R1D â†' 3D Luminescent Dense Polymer as Multifunctional Sensor to Nitro Aromatic Compounds, Cu²⁺, and Bases. Crystal Growth and Design, 2014, 14, 2954-2961.	3.0	56
81	Copperâ€Catalyzed Direct Synthesis of Iodoenamides from Ketoximes. Chemistry - A European Journal, 2013, 19, 9789-9794.	3.3	55
82	Series of Water-Stable Lanthanide Metalâ€“Organic Frameworks Based on Carboxylic Acid Imidazolium Chloride: Tunable Luminescent Emission and Sensing. Inorganic Chemistry, 2019, 58, 13969-13978.	4.0	55
83	Facile Incorporation of Au Nanoparticles into an Unusual Twofold Entangled Zn(II)-MOF with Nanocages for Highly Efficient CO₂ Fixation under Mild Conditions. ACS Applied Materials & Interfaces, 2019, 11, 47437-47445.	8.0	55
84	Syntheses and Crystal Structures of a Series of Zn(II)/Cd(II) Coordination Polymers Constructed from a Flexible 6,6â€²-Dithiodinicotinic Acid. Crystal Growth and Design, 2011, 11, 1531-1541.	3.0	53
85	Stable Indium-Pyridylcarboxylate Framework: Selective Gas Capture and Sensing of Fe³⁺ Ion in Water. Inorganic Chemistry, 2018, 57, 15262-15269.	4.0	53
86	C₃â€Symmetric Assemblies from Trigonal Polycarbene Ligands and M^I Ions for the Synthesis of Threeâ€Dimensional Polyimidazolium Cations. Angewandte Chemie - International Edition, 2019, 58, 13360-13364.	13.8	53
87	A novel coating of type IV collagen and hyaluronic acid on stent material-titanium for promoting smooth muscle cell contractile phenotype. Materials Science and Engineering C, 2014, 38, 235-243.	7.3	52
88	New Doubly Interpenetrated MOF with [Zn₄O] Clusters and Its Doped Isomorphic MOF: Sensing, Dye, and Gas Adsorption Capacity. Crystal Growth and Design, 2019, 19, 6774-6783.	3.0	52
89	Highly stable 3D porous HMOF with enhanced catalysis and fine color regulation by the combination of d- and p-ions when compared with those of its monometallic MOFs. Chemical Communications, 2020, 56, 8758-8761.	4.1	52
90	Two comparable Ba-MOFs with similar linkers for enhanced CO2 capture and separation by introducing N-rich groups. Rare Metals, 2021, 40, 499-504.	7.1	52

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91	Microwave versus Traditional Solvothermal Synthesis of Ni₇^{II} Discs: Effect of Ligand on Exchange Reaction in Solution Studied by Electrospray Ionization-Mass Spectroscopy and Magnetic Properties. Inorganic Chemistry, 2011, 50, 7274-7283.	4.0	51
92	High CO₂ Uptake Capacity and Selectivity in a Fascinating Nanotube-Based Metalâ€“Organic Framework. Inorganic Chemistry, 2017, 56, 908-913.	4.0	51
93	Nonenzymatic Glucose Sensing and Magnetic Property Based On the Composite Formed by Encapsulating Ag Nanoparticles in Cluster-Based Co-MOF. Inorganic Chemistry, 2019, 58, 16743-16751.	4.0	51
94	Two Stable Terbiumâ€“Organic Frameworks Based on Predesigned Functionalized Ligands: Selective Sensing of Fe3+ Ions and C2H2/CH4 Separation. Inorganic Chemistry, 2019, 58, 10295-10303.	4.0	50
95	Effect of Coordinated Solvent Molecules on Metal Coordination Sphere and Solvent-Induced Transformations. Crystal Growth and Design, 2017, 17, 517-526.	3.0	49
96	Rational construction of a stable Zn₄O-based MOF for highly efficient CO₂ capture and conversion. Chemical Communications, 2018, 54, 456-459.	4.1	48
97	Thermoelectric Properties of Conducting Polymer Nanowireâ€“Tellurium Nanowire Composites. ACS Applied Energy Materials, 2018, 1, 4883-4890.	5.1	48
98	Transitions of two magnetic interaction states in dinuclear Dy(<scp>iii</scp>) complexes via subtle structural variations. Dalton Transactions, 2017, 46, 638-642.	3.3	47
99	MOF-COF Composite Photocatalysts: Design, Synthesis, and Mechanism. Crystal Growth and Design, 2022, 22, 893-908.	3.0	47
100	Two Isostructural Metalâ€“Organic Frameworks Directed by the Different Center Metal Ions, Exhibiting the Ferrimagnetic Behavior and Slow Magnetic Relaxation. Inorganic Chemistry, 2016, 55, 6592-6596.	4.0	45
101	Uptake and transformation of steroid estrogens as emerging contaminants influence plant development. Environmental Pollution, 2018, 243, 1487-1497.	7.5	45
102	Backboneâ€Directed Selfâ€Assembly of Interlocked Molecular Cyclic Metalla[3]Catenanes. Angewandte Chemie - International Edition, 2020, 59, 13516-13520.	13.8	45
103	Recent advances of functional heterometallic-organic framework (HMOF) materials: Design strategies and applications. Coordination Chemistry Reviews, 2022, 463, 214521.	18.8	45
104	Positional isomeric tunable two Co(<scp>ii</scp>) 6-connected 3-D frameworks with pentanuclear to binuclear units: structures, ion-exchange and magnetic properties. Dalton Transactions, 2014, 43, 15450-15456.	3.3	44
105	Series of Cd(II) and Pb(II) Coordination Polymers Based on a Multilinker (R,S)-2,2â€²-Bipyridine-3,3â€²-dicarboxylate-1,1â€²-dioxide. Crystal Growth and Design, 2014, 14, 5466-5476.	4.0	43
106	Tailoring of the titanium surface by preparing cardiovascular endothelial extracellular matrix layer on the hyaluronic acid micro-pattern for improving biocompatibility. Colloids and Surfaces B: Biointerfaces, 2015, 128, 201-210.	5.0	43
107	Structural Diversity of Cadmium(II) Coordination Polymers Induced by Tuning the Coordination Sites of Isomeric Ligands. Inorganic Chemistry, 2016, 55, 8871-8880.	4.0	43
108	Temperature-Induced Syntheses, Iodine Elimination, Enantiomers Resolution, and Single-Crystal-to-Single-Crystal Transformation of Imidazole-Co(II) Coordination Polymers with Amino-isophthalic Acid as Co-Ligand. Crystal Growth and Design, 2016, 16, 3961-3968.	3.0	43

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109	Post-Synthetic Functionalization of Ni-MOF by Eu³⁺ Ions: Luminescent Probe for Aspartic Acid and Magnetic Property. Inorganic Chemistry, 2020, 59, 7531-7538.	4.0	43
110	New multifunctional 3D porous metalâ€“organic framework with selective gas adsorption, efficient chemical fixation of CO₂ and dye adsorption. Dalton Transactions, 2019, 48, 7612-7618.	3.3	41
111	Fine-tuning terminal solvent ligands to rationally enhance the energy barrier in dinuclear dysprosium single-molecule magnets. Dalton Transactions, 2017, 46, 186-192.	3.3	40
112	Peripheral Templationâ€Modulated Interconversion between an A₄L₆ Tetrahedral Anion Cage and A₂L₃ Triple Helicate with Guest Capture/Release. Angewandte Chemie, 2018, 130, 1869-1873.	2.0	40
113	A highly stable MOF with F and N accessible sites for efficient capture and separation of acetylene from ternary mixtures. Journal of Materials Chemistry A, 2021, 9, 24495-24502.	10.3	40
114	The endothelialization and hemocompatibility of the functional multilayer on titanium surface constructed with type IV collagen and heparin. Colloids and Surfaces B: Biointerfaces, 2013, 108, 295-304.	5.0	39
115	Super-oscillatory focusing of circularly polarized light by ultra-long focal length planar lens based on binary amplitude-phase modulation. Scientific Reports, 2016, 6, 29068.	3.3	39
116	Synthesis of tetrasubstituted symmetrical pyridines by iron-catalyzed cyclization of ketoxime acetates. Organic Chemistry Frontiers, 2017, 4, 597-602.	4.5	39
117	New Luminescent Three-Dimensional Zn(II)/Cd(II)-Based Metalâ€“Organic Frameworks Showing High H₂ Uptake and CO₂ Selectivity Capacity. Crystal Growth and Design, 2017, 17, 2059-2065.	3.0	39
118	Seven luminescent metalâ€“organic frameworks constructed from 5-(triazol-1-yl)nicotinic acid: luminescent sensors for Cr^{VI} and MnO₄^{â^’} ions in an aqueous medium. New Journal of Chemistry, 2018, 42, 9865-9875.	2.8	39
119	A new honeycomb metalâ€“carboxylate-tetrazolate framework with multiple functions for CO₂ conversion and selective capture of C₂H₂, CO₂ and benzene. Inorganic Chemistry Frontiers, 2020, 7, 1957-1964.	6.0	39
120	Four new lanthanideâ€“organic frameworks: selective luminescent sensing and magnetic properties. Dalton Transactions, 2016, 45, 12800-12806.	3.3	38
121	A Multi-Functional In(III)-Organic Framework for Acetylene Separation, Carbon Dioxide Utilization, and Antibiotic Detection in Water. Inorganic Chemistry, 2020, 59, 15302-15311.	4.0	38
122	Two Microporous Metalâ€“Organic Frameworks with Suitable Pore Size Displaying the High CO₂/CH₄ Selectivity. Crystal Growth and Design, 2015, 15, 5382-5387.	3.0	37
123	Bisphenol a electrochemical sensor based on multi-walled carbon nanotubes/polythiophene/Pt nanocomposites modified electrode. Analytical Methods, 2016, 8, 3333-3338.	2.7	37
124	Engineering Cardiovascular Implant Surfaces to Create a Vascular Endothelial Growth Microenvironment. Biotechnology Journal, 2017, 12, 1600401.	3.5	37
125	Four New 3D Metalâ€“Organic Frameworks Constructed by a V-shaped Tetracarboxylates Ligand: Selective CO₂ Sorption and Luminescent Sensing. Crystal Growth and Design, 2017, 17, 6733-6740.	3.0	37
126	Five New Cd(II) Complexes Induced by Reaction Conditions and Coordination Modes of 5-(1H-Tetrazol-5-yl)isophthalic Acid Ligand: Structures and Luminescence. Crystal Growth and Design, 2016, 16, 5394-5402.	3.0	36

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127	Efficient gas and alcohol uptake and separation driven by two types of channels in a porous MOF: an experimental and theoretical investigation. Journal of Materials Chemistry A, 2020, 8, 5227-5233.	10.3	36
128	Syntheses of three new isostructural lanthanide coordination polymers with tunable emission colours through bimetallic doping, and their luminescence sensing properties. Dalton Transactions, 2019, 48, 13607-13613.	3.3	35
129	Luminescence modulation, near white light emission, selective luminescence sensing, and anticounterfeiting via a series of Ln-MOFs with a Ï€-conjugated and uncoordinated lewis basic triazolyl ligand. Inorganic Chemistry Frontiers, 2021, 8, 329-338.	6.0	35
130	Two new pH-controlled metalâ€“organic frameworks based on polynuclear secondary building units with conformation-flexible cyclohexane-1,2,4,5-tetracarboxylate ligand. Inorganica Chimica Acta, 2011, 367, 127-134.	2.4	34
131	Two Nanocage-Based Metalâ€“Organic Frameworks with Mixed-Cluster SBUs and CO2 Sorption Selectivity. Inorganic Chemistry, 2015, 54, 8937-8942.	4.0	34
132	Direct Evidence: Enhanced C₂H₆ and C₂H₄ Adsorption and Separation Performances by Introducing Open Nitrogen-Donor Sites in a MOF. Inorganic Chemistry, 2018, 57, 12417-12423.	4.0	34
133	Performance enhancement of oxygen evolution reaction through incorporating bimetallic electrocatalysts in two-dimensional metalâ€“organic frameworks. Catalysis Science and Technology, 2020, 10, 3897-3903.	4.1	34
134	Design and Synthesis of Fluorescent Nanocelluloses for Sensing and Bioimaging Applications. ChemPlusChem, 2020, 85, 487-502.	2.8	34
135	Structural characterization and luminescence behavior of a 2D silver (I) coordination polymer assembled from pyridine-2,6-dicarboxylic acid N-oxide. Inorganic Chemistry Communication, 2006, 9, 645-648.	3.9	33
136	Controlling mesenchymal stem cells differentiate into contractile smooth muscle cells on a TiO2 micro/nano interface: Towards benign pericytes environment for endothelialization. Colloids and Surfaces B: Biointerfaces, 2016, 145, 410-419.	5.0	33
137	Functionalization of MOFs via a mixed-ligand strategy: enhanced CO₂ uptake by pore surface modification. Dalton Transactions, 2018, 47, 5298-5303.	3.3	33
138	Five transition metal coordination polymers driven by a semirigid trifunctional nicotinic acid ligand: selective adsorption and magnetic properties. CrystEngComm, 2018, 20, 5726-5734.	2.6	33
139	Two isostructural amine-functionalized 3D self-penetrating microporous MOFs exhibiting high sorption selectivity for CO2. CrystEngComm, 2013, 15, 2057.	2.6	32
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