

Rongming Wang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

3,136
citations

34
h-index

54
g-index

85
ext. papers

3,659
ext. citations

6.1
avg, IF

5.14
L-index

#	Paper	IF	Citations
81	A tubular europium-organic framework exhibiting selective sensing of Fe ³⁺ and Al ³⁺ over mixed metal ions. <i>Chemical Communications</i> , 2013 , 49, 11557-9	5.8	259
80	Controlled Hydrolysis of Metal-Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. <i>ACS Nano</i> , 2019 , 13, 7024-7030	16.7	190
79	Lanthanide metal-organic frameworks containing a novel flexible ligand for luminescence sensing of small organic molecules and selective adsorption. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12777-12785	7.85	154
78	A multifunctional Eu MOF as a fluorescent pH sensor and exhibiting highly solvent-dependent adsorption and degradation of rhodamine B. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24016-24021	13	138
77	Porous zirconium metal-organic framework constructed from 2D-3D interpenetration based on a 3,6-connected kgd net. <i>Inorganic Chemistry</i> , 2014 , 53, 7086-8	5.1	103
76	Luminescent Terbium-Organic Framework Exhibiting Selective Sensing of Nitroaromatic Compounds (NACs). <i>Crystal Growth and Design</i> , 2015 , 15, 2589-2592	3.5	100
75	Controlling the nature of mixed (phthalocyaninato)(porphyrinato) rare-earth(III) double-decker complexes: the effects of nonperipheral alkoxy substitution of the phthalocyanine ligand. <i>Chemistry - A European Journal</i> , 2006 , 12, 1475-85	4.8	84
74	A multi-aromatic hydrocarbon unit induced hydrophobic metal-organic framework for efficient C ₂ /C ₁ hydrocarbon and oil/water separation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1168-1175	13	83
73	Unprecedented Solvent-Dependent Sensitivities in Highly Efficient Detection of Metal Ions and Nitroaromatic Compounds by a Fluorescent Barium Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2016 , 55, 1782-7	5.1	76
72	Tuning interactions between ligands in self-assembled double-decker phthalocyanine arrays. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10984-5	16.4	75
71	Multifunctional lanthanide-organic frameworks for fluorescent sensing, gas separation and catalysis. <i>Dalton Transactions</i> , 2016 , 45, 3743-9	4.3	73
70	Porous Lanthanide-Organic Frameworks: Control over Interpenetration, Gas Adsorption, and Catalyst Properties. <i>Crystal Growth and Design</i> , 2013 , 13, 3154-3161	3.5	71
69	Fine-Tuning the Pore Environment of the Microporous Cu-MOF for High Propylene Storage and Efficient Separation of Light Hydrocarbons. <i>ACS Central Science</i> , 2019 , 5, 1261-1268	16.8	65
68	A lead-porphyrin metal-organic framework: gas adsorption properties and electrocatalytic activity for water oxidation. <i>Dalton Transactions</i> , 2016 , 45, 61-5	4.3	65
67	Effect of peripheral hydrophobic alkoxy substitution on the organic field effect transistor performance of amphiphilic tris(phthalocyaninato) europium triple-decker complexes. <i>Langmuir</i> , 2007 , 23, 12549-54	4	62
66	Synthesis, spectroscopic characterisation and structure of the first chiral heteroleptic bis(phthalocyaninato) rare earth complexes. <i>Chemical Communications</i> , 2003 , 1194-5	5.8	59
65	Improving the porosity and catalytic capacity of a zinc paddlewheel metal-organic framework (MOF) through metal-ion metathesis in a single-crystal-to-single-crystal fashion. <i>Inorganic Chemistry</i> , 2014 , 53, 10649-53	5.1	56

64	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes: (Part 10) The infrared and Raman characteristics of phthalocyanine in heteroleptic bis(phthalocyaninato) rare earth complexes with decreased molecular symmetry. <i>Vibrational Spectroscopy</i> , 2004 , 34, 283-291	2.1	53
63	Studies of "pinwheel-like" bis[1,8,15,22-tetrakis(3-pentyloxy)phthalocyaninato] rare earth(III) double-decker complexes. <i>Chemistry - A European Journal</i> , 2005 , 11, 7351-7	4.8	53
62	Highly efficient oil/water separation and trace organic contaminants removal based on superhydrophobic conjugated microporous polymer coated devices. <i>Chemical Engineering Journal</i> , 2017 , 326, 640-646	14.7	50
61	An Amino-Functionalized Metal-Organic Framework, Based on a Rare Ba (COO) (NO) Cluster, for Efficient C /C /C Separation and Preferential Catalytic Performance. <i>Chemistry - A European Journal</i> , 2018 , 24, 2137-2143	4.8	49
60	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3840-3845	16.4	48
59	Pentiptycene-Based Luminescent Cu (II) MOF Exhibiting Selective Gas Adsorption and Unprecedentedly High-Sensitivity Detection of Nitroaromatic Compounds (NACs). <i>Scientific Reports</i> , 2016 , 6, 20672	4.9	46
58	Exploring the sandwich antibacterial membranes based on UiO-66/graphene oxide for forward osmosis performance. <i>Carbon</i> , 2019 , 144, 321-332	10.4	46
57	Neutral and reduced Roussin's red salt ester [Fe(2)(mu-RS)(2)(NO)(4)] (R = n-Pr, t-Bu, 6-methyl-2-pyridyl and 4,6-dimethyl-2-pyrimidyl): synthesis, X-ray crystal structures, spectroscopic, electrochemical and density functional theoretical investigations. <i>Dalton Transactions</i> , 2009 , 777-86	4.3	44
56	Synthesis, Structure, and Spectroscopic and Electrochemical Properties of Heteroleptic Bis(phthalocyaninato) Rare Earth Complexes with a C4 Symmetry. <i>Helvetica Chimica Acta</i> , 2004 , 87, 2581-2596	2.3	43
55	Efficient dye nanofiltration of a graphene oxide membrane via combination with a covalent organic framework by hot pressing. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 24301-24310	13	41
54	Porous barium organic frameworks with highly efficient catalytic capacity and fluorescence sensing ability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 21545-21552	13	39
53	Synthetic, Structural, Spectroscopic, and Electrochemical Studies of Heteroleptic Tris(phthalocyaninato) Rare Earth Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 2612-2618	2.3	36
52	Fluorescence turn-on detection of uric acid by a water-stable metal organic nanotube with high selectivity and sensitivity. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 601-606	7.1	35
51	Raman spectroscopic characteristics of phthalocyanine and naphthalocyanine in sandwich-type phthalocyaninato and porphyrinato rare earth complexes: Part 4. Raman spectroscopic characteristics of naphthalocyanine in mixed (octaethylporphyrinato)(naphthalocyaninato) rare earth double-deckers. <i>Vibrational Spectroscopy</i> , 2003 , 31, 173-185	2.1	35
50	Structural studies of the whole series of lanthanide double-decker compounds with mixed 2,3-naphthalocyaninato and octaethylporphyrinato ligands. <i>New Journal of Chemistry</i> , 2003 , 27, 844-849	3.6	35
49	An ultrafast responsive NO gas sensor based on a hydrogen-bonded organic framework material. <i>Chemical Communications</i> , 2020 , 56, 703-706	5.8	35
48	Iron(III) Porphyrin-Based Porous Material as Photocatalyst for Highly Efficient and Selective Degradation of Congo Red. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 599-604	2.6	34
47	Five MOFs with different topologies based on anthracene functionalized tetracarboxylic acid: syntheses, structures, and properties. <i>CrystEngComm</i> , 2014 , 16, 2917-2928	3.3	33

46	Synthesis, structures, spectroscopic and electrochemical properties of dinitrosyl iron complexes with bipyridine, terpyridine, and 1,10-phenanthroline. <i>Inorganic Chemistry</i> , 2009 , 48, 9779-85	5.1	33
45	Controlled Adsorption Orientation for Double-Decker Complexes. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 2077-2080	3.8	33
44	Surface wettability switching of metal-organic framework mesh for oil-water separation. <i>Materials Letters</i> , 2017 , 189, 82-85	3.3	32
43	Heteroleptic rare earth double-decker complexes with naphthalocyaninato and phthalocyaninato ligands. General synthesis, spectroscopic, and electrochemical characteristics. <i>Inorganic Chemistry</i> , 2005 , 44, 2114-20	5.1	32
42	Expanded Porous Metal-Organic Frameworks by SCSC: Organic Building Units Modifying and Enhanced Gas-Adsorption Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 6420-5	5.1	31
41	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16682-16690	16.4	29
40	Cyclodextrin-Based Metal-Organic Nanotube as Fluorescent Probe for Selective Turn-On Detection of Hydrogen Sulfide in Living Cells Based on H ₂ S-Involved Coordination Mechanism. <i>Scientific Reports</i> , 2016 , 6, 21951	4.9	25
39	Investigation of the effect of pore size on gas uptake in two metal-organic frameworks. <i>Chemical Communications</i> , 2014 , 50, 4911-4	5.8	25
38	A non-interpenetrating lead-organic framework with large channels based on 1D tube-shaped SBUs. <i>Chemical Communications</i> , 2017 , 53, 5694-5697	5.8	24
37	Three Hydrogen-Bonded Organic Frameworks with Water-Induced Single-Crystal-to-Single-Crystal Transformation and High Proton Conductivity. <i>Crystal Growth and Design</i> , 2020 , 20, 3456-3465	3.5	24
36	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11350-11358	16.4	24
35	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes. <i>Vibrational Spectroscopy</i> , 2006 , 40, 47-54	2.1	23
34	Accurately Regulating the Electronic Structure of Ni Se @NC Core-Shell Nanohybrids through Controllable Selenization of a Ni-MOF for pH-Universal Hydrogen Evolution Reaction. <i>Small</i> , 2020 , 16, e2004231	11	23
33	A Stable Amino-Functionalized Interpenetrated Metal-Organic Framework Exhibiting Gas Selectivity and Pore-Size-Dependent Catalytic Performance. <i>Inorganic Chemistry</i> , 2017 , 56, 13634-13637	5.1	22
32	A "strongly" self-catenated metal-organic framework with the highest topological density among 3,4-coordinated nets. <i>Inorganic Chemistry</i> , 2013 , 52, 10732-4	5.1	22
31	Tuning the Dimensionality of Interpenetration in a Pair of Framework-Catenation Isomers To Achieve Selective Adsorption of CO ₂ and Fluorescent Sensing of Metal Ions. <i>Inorganic Chemistry</i> , 2015 , 54, 6084-6	5.1	21
30	Synthesis, structure, and properties of a 3D porous Zn(II) MOF constructed from a terpyridine-based ligand. <i>RSC Advances</i> , 2016 , 6, 16575-16580	3.7	20
29	Crystal structures, topological analysis and luminescence properties of three coordination polymers based on a semi-rigid ligand and N-donor ligand linkers. <i>New Journal of Chemistry</i> , 2016 , 40, 5957-5965	3.6	18

28	A visual test paper based on Pb(II) metal-organic nanotubes utilized as a H ₂ S sensor with high selectivity and sensitivity. <i>Analytical Methods</i> , 2017 , 9, 3094-3098	3.2	17
27	Raman spectroscopic characteristics of phthalocyanine and naphthalocyanine in sandwich-type phthalocyaninato and porphyrinato rare earth complexes. Part 5 Raman spectroscopic characteristics of naphthalocyanine in mixed [tetrakis(4-tert-butylphenyl)porphyrinato] (naphthalocyaninato) rare earth double-deckers. <i>Journal of Raman Spectroscopy</i> , 2003 , 34, 306-314	2.3	17
26	Guest-tuned proton conductivity of a porphyrinylphosphonate-based hydrogen-bonded organic framework. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2683-2688	13	15
25	In situ generation of intercalated membranes for efficient gas separation. <i>Communications Chemistry</i> , 2018 , 1,	6.3	14
24	A 2D Metal-Organic Framework with a Flexible Cyclohexane-1,2,5,6-tetracarboxylic Acid Ligand: Synthesis, Characterization and Photoluminescent Property. <i>Journal of Molecular Structure</i> , 2010 , 970, 14-18	3.4	13
23	Single-crystal-to-single-crystal transformation and proton conductivity of three hydrogen-bonded organic frameworks. <i>Chemical Communications</i> , 2020 , 56, 15529-15532	5.8	12
22	Syntheses, Crystal Structures, and Properties of Two 2-Fold Interpenetrating Metal-Organic Frameworks Based on a Trigonal Rigid Ligand. <i>Crystal Growth and Design</i> , 2014 , 14, 6521-6527	3.5	11
21	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes: Part 13. The Raman characteristics of phthalocyanine in unsubstituted and peripherally octa(octyloxy)-substituted homoleptic bis(phthalocyaninato) rare earth complexes. <i>Polyhedron</i> , 2006 , 25, 1195-1203	2.7	11
20	Metal-Ion Metathesis and Properties of Triarylboron-Functionalized Metal-Organic Frameworks. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1535-40	4.5	10
19	On the distribution of surplus immediately after ruin under interest force and subexponential claims. <i>Insurance: Mathematics and Economics</i> , 2004 , 35, 703-714	1.5	10
18	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie</i> , 2020 , 132, 3868-3873	3.6	9
17	Raman spectra study of p -tert-butylphenoxy-substituted phthalocyanines with different central metal and substitution positions. <i>Vibrational Spectroscopy</i> , 2018 , 96, 26-31	2.1	9
16	Synthesis, characterization and crystal structure of a dinuclear iron nitrosyl complex with 2-mercapto-1-[2-(4-pyridyl)-ethyl]-benzimidazolyl. <i>Journal of Molecular Structure</i> , 2009 , 923, 110-113	3.4	8
15	Green synthesis of hierarchical carbon coupled with Fe ₃ O ₄ /Fe ₂ C as an efficient catalyst for the oxygen reduction reaction. <i>Materials Advances</i> , 2020 , 1, 2010-2018	3.3	8
14	Surface wettability switching of a zeolitic imidazolate framework mesh via surface ligand exchange for oil-water separation. <i>Materials Research Bulletin</i> , 2019 , 111, 301-305	5.1	8
13	A new hexanuclear iron-selenium nitrosyl cluster: primary exploration of the preparation methods, structure, and spectroscopic and electrochemical properties. <i>Inorganic Chemistry</i> , 2010 , 49, 4814-9	5.1	7
12	Fabrication of Graphene oxide membrane with multiple plug-ins for efficient dye nanofiltration. <i>Separation and Purification Technology</i> , 2022 , 278, 119504	8.3	6
11	Four novel Co(II) metal-organic frameworks based on semi-rigid ligand and their secondary building units transformation. <i>Journal of Molecular Structure</i> , 2019 , 1197, 87-95	3.4	5

10	Interfacial polymerization of MOF monomers to fabricate flexible and thin membranes for molecular separation with ultrafast water transport. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17528-17537	13	4
9	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2019 , 131, 16835-16843	3.6	3
8	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , 2021 , 133, 11451-11459	3.6	2
7	Argentophilicity induced anomalous thermal expansion behavior in a 2D silver squarate. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1567-1573	6.8	2
6	Regulating the Orientation of Hydrogen-Bonded Organic Framework Membranes Based on Substrate Modification. <i>Crystal Growth and Design</i> , 2021 , 21, 5292-5299	3.5	2
5	The Asymptotic Estimate of Ruin Probability Under a Class of Risk Model in the Presence of Heavy Tails. <i>Communications in Statistics - Theory and Methods</i> , 2008 , 37, 2331-2341	0.5	1
4	Ultrahigh Hydrogen Uptake in an Interpenetrated Zn ₄ O-Based Metal-Organic Framework. <i>CCS Chemistry</i> , 1005-1011	7.2	1
3	Sodium Ion Storage: TiO ₂ -Coated Interlayer-Expanded MoSe ₂ /Phosphorus-Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage (Adv. Sci. 1/2019). <i>Advanced Science</i> , 2019 , 6, 1970005	13.6	1
2	Innentitelbild: Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation (Angew. Chem. 10/2020). <i>Angewandte Chemie</i> , 2020 , 132, 3778-3778	3.6	
1	Rücktitelbild: One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks (Angew. Chem. 20/2021). <i>Angewandte Chemie</i> , 2021 , 133, 11636-11636	3.6	