

# Rongming Wang

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/5003009/rongming-wang-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Fabrication of Graphene oxide membrane with multiple Plug-ins for efficient dye nanofiltration. <i>Separation and Purification Technology</i> , <b>2022</b> , 278, 119504	8.3	6
80	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11451-11459	3.6	2
79	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> , <b>2021</b> , 133, 11636-11636	3.6	
78	Guest-tuned proton conductivity of a porphyrinylphosphonate-based hydrogen-bonded organic framework. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2683-2688	13	15
77	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> , <b>2021</b> , 9, 17528-17537	13	4
76	Argentophilicity induced anomalous thermal expansion behavior in a 2D silver squarate. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 1567-1573	6.8	2
75	One-step Ethylene Purification from an Acetylene/Ethylene/Ethane Ternary Mixture by Cyclopentadiene Cobalt-Functionalized Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11350-11358	16.4	24
74	Regulating the Orientation of Hydrogen-Bonded Organic Framework Membranes Based on Substrate Modification. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 5292-5299	3.5	2
73	Single-crystal-to-single-crystal transformation and proton conductivity of three hydrogen-bonded organic frameworks. <i>Chemical Communications</i> , <b>2020</b> , 56, 15529-15532	5.8	12
72	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> , <b>2020</b> , 132, 3778-3778	3.6	
71	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3868-3873	3.6	9
70	An ultrafast responsive NO gas sensor based on a hydrogen-bonded organic framework material. <i>Chemical Communications</i> , <b>2020</b> , 56, 703-706	5.8	35
69	Fabrication of a Hydrogen-Bonded Organic Framework Membrane through Solution Processing for Pressure-Regulated Gas Separation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3840-3845	16.4	48
68	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> , <b>2020</b> , 16, e2004231	11	23
67	Green synthesis of hierarchical carbon coupled with Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> C as an efficient catalyst for the oxygen reduction reaction. <i>Materials Advances</i> , <b>2020</b> , 1, 2010-2018	3.3	8
66	Three Hydrogen-Bonded Organic Frameworks with Water-Induced Single-Crystal-to-Single-Crystal Transformation and High Proton Conductivity. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 3456-3465	3.5	24
65	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16682-16690	16.4	29

64	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> , <b>2019</b> , 5, 1261-1268	16.8	65
63	Controlled Hydrolysis of Metal-Organic Frameworks: Hierarchical Ni/Co-Layered Double Hydroxide Microspheres for High-Performance Supercapacitors. <i>ACS Nano</i> , <b>2019</b> , 13, 7024-7030	16.7	190
62	Four novel Co(II) metal-organic frameworks based on semi-rigid ligand and their secondary building units transformation. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1197, 87-95	3.4	5
61	Molecular Pivot-Hinge Installation to Evolve Topology in Rare-Earth Metal-Organic Frameworks. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16835-16843	3.6	3
60	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> , <b>2019</b> , 7, 24301-24310	13	41
59	Exploring the sandwich antibacterial membranes based on UiO-66/graphene oxide for forward osmosis performance. <i>Carbon</i> , <b>2019</b> , 144, 321-332	10.4	46
58	Sodium Ion Storage: TiO <sub>2</sub> -Coated Interlayer-Expanded MoSe <sub>2</sub> /Phosphorus-Doped Carbon Nanospheres for Ultrafast and Ultralong Cycling Sodium Storage (Adv. Sci. 1/2019). <i>Advanced Science</i> , <b>2019</b> , 6, 1970005	13.6	1
57	Surface wettability switching of a zeolitic imidazolate framework mesh via surface ligand exchange for oil-water separation. <i>Materials Research Bulletin</i> , <b>2019</b> , 111, 301-305	5.1	8
56	Raman spectra study of p -tert-butylphenoxy-substituted phthalocyanines with different central metal and substitution positions. <i>Vibrational Spectroscopy</i> , <b>2018</b> , 96, 26-31	2.1	9
55	In situ generation of intercalated membranes for efficient gas separation. <i>Communications Chemistry</i> , <b>2018</b> , 1,	6.3	14
54	An Amino-Functionalized Metal-Organic Framework, Based on a Rare Ba (COO) (NO <sub>3</sub> ) Cluster, for Efficient C <sub>2</sub> /C <sub>1</sub> /C <sub>0</sub> Separation and Preferential Catalytic Performance. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 2137-2143	4.8	49
53	A non-interpenetrating lead-organic framework with large channels based on 1D tube-shaped SBUs. <i>Chemical Communications</i> , <b>2017</b> , 53, 5694-5697	5.8	24
52	Surface wettability switching of metal-organic framework mesh for oil-water separation. <i>Materials Letters</i> , <b>2017</b> , 189, 82-85	3.3	32
51	A visual test paper based on Pb(II) metal-organic nanotubes utilized as a H <sub>2</sub> S sensor with high selectivity and sensitivity. <i>Analytical Methods</i> , <b>2017</b> , 9, 3094-3098	3.2	17
50	A multi-aromatic hydrocarbon unit induced hydrophobic metal-organic framework for efficient C <sub>2</sub> /C <sub>1</sub> hydrocarbon and oil/water separation. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1168-1175	13	83
49	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> , <b>2017</b> , 5, 601-606	7.1	35
48	A Stable Amino-Functionalized Interpenetrated Metal-Organic Framework Exhibiting Gas Selectivity and Pore-Size-Dependent Catalytic Performance. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 13634-13637	5.1	22
47	Highly efficient oil/water separation and trace organic contaminants removal based on superhydrophobic conjugated microporous polymer coated devices. <i>Chemical Engineering Journal</i> , <b>2017</b> , 326, 640-646	14.7	50

46	Cyclodextrin-Based Metal-Organic Nanotube as Fluorescent Probe for Selective Turn-On Detection of Hydrogen Sulfide in Living Cells Based on H <sub>2</sub> S-Involved Coordination Mechanism. <i>Scientific Reports</i> , <b>2016</b> , 6, 21951	4.9	25
45	Pentiptycene-Based Luminescent Cu (II) MOF Exhibiting Selective Gas Adsorption and Unprecedentedly High-Sensitivity Detection of Nitroaromatic Compounds (NACs). <i>Scientific Reports</i> , <b>2016</b> , 6, 20672	4.9	46
44	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> , <b>2016</b> , 40, 5957-5965	3.6	18
43	Expanded Porous Metal-Organic Frameworks by SCSC: Organic Building Units Modifying and Enhanced Gas-Adsorption Properties. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 6420-5	5.1	31
42	Iron(III) Porphyrin-Based Porous Material as Photocatalyst for Highly Efficient and Selective Degradation of Congo Red. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 599-604	2.6	34
41	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> , <b>2016</b> , 55, 1782-7	5.1	76
40	Synthesis, structure, and properties of a 3D porous Zn(II) MOF constructed from a terpyridine-based ligand. <i>RSC Advances</i> , <b>2016</b> , 6, 16575-16580	3.7	20
39	Multifunctional lanthanide-organic frameworks for fluorescent sensing, gas separation and catalysis. <i>Dalton Transactions</i> , <b>2016</b> , 45, 3743-9	4.3	73
38	A lead-porphyrin metal-organic framework: gas adsorption properties and electrocatalytic activity for water oxidation. <i>Dalton Transactions</i> , <b>2016</b> , 45, 61-5	4.3	65
37	Porous barium-organic frameworks with highly efficient catalytic capacity and fluorescence sensing ability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21545-21552	13	39
36	Tuning the Dimensionality of Interpenetration in a Pair of Framework-Catenation Isomers To Achieve Selective Adsorption of CO <sub>2</sub> and Fluorescent Sensing of Metal Ions. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6084-6	5.1	21
35	Luminescent Terbium-Organic Framework Exhibiting Selective Sensing of Nitroaromatic Compounds (NACs). <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2589-2592	3.5	100
34	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> , <b>2015</b> , 3, 24016-24021	13	138
33	Metal-Ion Metathesis and Properties of Triarylboron-Functionalized Metal-Organic Frameworks. <i>Chemistry - an Asian Journal</i> , <b>2015</b> , 10, 1535-40	4.5	10
32	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> , <b>2015</b> , 3, 12777-12785	13	154
31	Five MOFs with different topologies based on anthracene functionalized tetracarboxylic acid: syntheses, structures, and properties. <i>CrystEngComm</i> , <b>2014</b> , 16, 2917-2928	3.3	33
30	Investigation of the effect of pore size on gas uptake in two metal-organic frameworks. <i>Chemical Communications</i> , <b>2014</b> , 50, 4911-4	5.8	25
29	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> , <b>2014</b> , 53, 10649-53	5.1	56

28	Porous zirconium metal-organic framework constructed from 2D-3D interpenetration based on a 3,6-connected kgd net. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 7086-8	5.1	103
27	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> , <b>2014</b> , 14, 6521-6527	3.5	11
26	A "strongly" self-catenated metal-organic framework with the highest topological density among 3,4-coordinated nets. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 10732-4	5.1	22
25	A tubular europium-organic framework exhibiting selective sensing of Fe <sup>3+</sup> and Al <sup>3+</sup> over mixed metal ions. <i>Chemical Communications</i> , <b>2013</b> , 49, 11557-9	5.8	259
24	Porous Lanthanide-Organic Frameworks: Control over Interpenetration, Gas Adsorption, and Catalyst Properties. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 3154-3161	3.5	71
23	A new hexanuclear iron-selenium nitrosyl cluster: primary exploration of the preparation methods, structure, and spectroscopic and electrochemical properties. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 4814-9	5.1	7
22	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> , <b>2010</b> , 970, 14-18	3.4	13
21	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> , <b>2009</b> , 923, 110-113	3.4	8
20	Synthesis, structures, spectroscopic and electrochemical properties of dinitrosyl iron complexes with bipyridine, terpyridine, and 1,10-phenanthroline. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 9779-85	5.1	33
19	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> , <b>2009</b> , 777-86	4.3	44
18	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> , <b>2008</b> , 37, 2331-2341	0.5	1
17	Effect of peripheral hydrophobic alkoxy substitution on the organic field effect transistor performance of amphiphilic tris(phthalocyaninato) europium triple-decker complexes. <i>Langmuir</i> , <b>2007</b> , 23, 12549-54	4	62
16	Controlled Adsorption Orientation for Double-Decker Complexes. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2077-2080	3.8	33
15	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> , <b>2006</b> , 12, 1475-85	4.8	84
14	Tuning interactions between ligands in self-assembled double-decker phthalocyanine arrays. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 10984-5	16.4	75
13	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> , <b>2006</b> , 25, 1195-1203	2.7	11
12	Vibrational spectroscopy of phthalocyanine and naphthalocyanine in sandwich-type (na)phthalocyaninato and porphyrinato rare earth complexes. <i>Vibrational Spectroscopy</i> , <b>2006</b> , 40, 47-54	2.1	23
11	Heteroleptic rare earth double-decker complexes with naphthalocyaninato and phthalocyaninato ligands. General synthesis, spectroscopic, and electrochemical characteristics. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2114-20	5.1	32

10	Synthetic, Structural, Spectroscopic, and Electrochemical Studies of Heteroleptic Tris(phthalocyaninato) Rare Earth Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 2612-2618 <sup>2.3</sup> 36		
9	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> , <b>2005</b> , 11, 7351-7	4.8	53
8	Synthesis, Structure, and Spectroscopic and Electrochemical Properties of Heteroleptic Bis(phthalocyaninato) Rare Earth Complexes with a C4 Symmetry. <i>Helvetica Chimica Acta</i> , <b>2004</b> , 87, 2581-2596 <sup>2</sup> 43		
7	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> , <b>2004</b> , 34, 283-291	2.1	53
6	On the distribution of surplus immediately after ruin under interest force and subexponential claims. <i>Insurance: Mathematics and Economics</i> , <b>2004</b> , 35, 703-714	1.5	10
5	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]	2.3	17
4	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> , <b>2003</b> , 31, 173-185	2.1	35
3	Synthesis, spectroscopic characterisation and structure of the first chiral heteroleptic bis(phthalocyaninato) rare earth complexes. <i>Chemical Communications</i> , <b>2003</b> , 1194-5	5.8	59
2	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> , <b>2003</b> , 27, 844-849 <sup>3.6</sup> 35		
1	Ultrahigh Hydrogen Uptake in an Interpenetrated Zn 4 O-Based Metal-Organic Framework. <i>CCS Chemistry</i> , 1005-1011	7.2	1