

Zhiqiang Liang

List of Publications by Year in Descending Order

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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

2,513
citations

31
h-index

47
g-index

90
ext. papers

2,910
ext. citations

5.4
avg, IF

5.23
L-index

#	Paper	IF	Citations
81	Post-crosslinking of conjugated microporous polymers using vinyl polyhedral oligomeric silsesquioxane for enhancing surface areas and organic micropollutants removal performance from water.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 697-706	9.3	1
80	Post-synthetic modification of conjugated microporous polymer with imidazolium for highly efficient anionic dyes removal from water. <i>Separation and Purification Technology</i> , 2022 , 284, 120245	8.3	3
79	Molecule-guided synthesis of conjugated microporous polymers with imidazole derivative units for efficient capture of volatile iodine. <i>Microporous and Mesoporous Materials</i> , 2022 , 111871	5.3	0
78	Boosting selective C ₂ H ₂ /CH ₄ , C ₂ H ₄ /CH ₄ and CO ₂ /CH ₄ adsorption performance via 1,2,3-triazole functionalized triazine-based porous organic polymers. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 42, 64-64	3.2	1
77	Single-Crystal to Single-Crystal Transformation of Metal-Organic Framework Nanoparticles for Encapsulation and pH-Stimulated Release of Camptothecin. <i>ACS Applied Nano Materials</i> , 2021 , 4, 7191-7198	5.6	4
76	Novel D-EA conjugated microporous polymer as visible light-driven oxidase mimic for efficient colorimetric detection of glutathione. <i>Sensors and Actuators B: Chemical</i> , 2021 , 326, 128808	8.5	13
75	Increasing the surface area and CO ₂ uptake of conjugated microporous polymers via a post-knitting method. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5319-5327	7.8	5
74	A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium. <i>Angewandte Chemie</i> , 2020 , 132, 19786-19790	3.6	4
73	A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19618-19622	16.4	16
72	Indium oxide-black phosphorus composites for ultrasensitive nitrogen dioxide sensing at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2020 , 308, 127650	8.5	16
71	Molecular Expansion for Constructing Porous Organic Polymers with High Surface Areas and Well-Defined Nanopores. <i>Angewandte Chemie</i> , 2020 , 132, 19655-19661	3.6	1
70	Molecular Expansion for Constructing Porous Organic Polymers with High Surface Areas and Well-Defined Nanopores. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19487-19493	16.4	14
69	Photo-responsive oxidase mimic of conjugated microporous polymer for constructing a pH-sensitive fluorescent sensor for bio-enzyme sensing. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128157	8.5	11
68	Multifunctional conjugated microporous polymers with pyridine unit for efficient iodine sequestration, exceptional tetracycline sensing and removal. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121949	12.8	33
67	Two zinc metal-organic framework isomers based on pyrazine tetracarboxylic acid and dipyridinylbenzene for adsorption and separation of CO and light hydrocarbons. <i>Dalton Transactions</i> , 2020 , 49, 1135-1142	4.3	16
66	Silsesquioxane/Carbazole-Corballed Hybrid Porous Polymers with Flexible Nanopores for Efficient CO ₂ Conversion and Luminescence Sensing. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 189-197	4.3	15
65	A zwitterionic ligand-based water-stable metal-organic framework showing photochromic and Cr(vi) removal properties. <i>Dalton Transactions</i> , 2020 , 49, 10613-10620	4.3	10

64	Röntgenbild: A Porous Organic Polymer Nanotrap for Efficient Extraction of Palladium (Angew. Chem. 44/2020). <i>Angewandte Chemie</i> , 2020 , 132, 19892-19892	3.6	
63	Fast synthesis of SSZ-13 zeolite by steam-assisted crystallization method. <i>Microporous and Mesoporous Materials</i> , 2020 , 293, 109789	5.3	8
62	A lithium-organic framework as a fluorescent sensor for detecting aluminum (III) ion. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5044	3.1	15
61	A multifunctional Zr(IV)-based metal-organic framework for highly efficient elimination of Cr(VI) from the aqueous phase. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16833-16841	1.3	58
60	Under-liquid dual superlyophobic nanofibrous polymer membranes achieved by coating thin-film composites: a design principle. <i>Chemical Science</i> , 2019 , 10, 6382-6389	9.4	18
59	Ultrahigh volatile iodine capture by conjugated microporous polymer based on N,N,N',N'-tetraphenyl-1,4-phenylenediamine. <i>Polymer Chemistry</i> , 2019 , 10, 2608-2615	4.9	31
58	Nickel Nanoparticles Encapsulated in Microporous Graphenelike Carbon () as Catalysts for CO ₂ Methanation. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 20536-20542	3.9	8
57	A stable pillared metal-organic framework constructed by H ₄ TCP ligand as luminescent sensor for selective detection of TNP and Fe ³⁺ ions. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e5243	3.1	9
56	Preparation of benzodiazole-containing covalent triazine frameworks for enhanced selective CO ₂ capture and separation. <i>Microporous and Mesoporous Materials</i> , 2019 , 276, 213-222	5.3	13
55	Fabrication of AgI/MIL-53(Fe) Composites with Enhanced Photocatalytic Activity for Rhodamine B Degradation under Visible Light Irradiation. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4325	3.1	17
54	Conjugated microporous polymers based on biphenylene for CO ₂ adsorption and luminescence detection of nitroaromatic compounds. <i>New Journal of Chemistry</i> , 2018 , 42, 9482-9487	3.6	29
53	Post-cationic Modification of a Pyrimidine-Based Conjugated Microporous Polymer for Enhancing the Removal Performance of Anionic Dyes in Water. <i>Chemistry - A European Journal</i> , 2018 , 24, 7480-7488	4.8	47
52	Design and synthesis of a multifunctional porous N-rich polymer containing s-triazine and Triazine base for CO ₂ adsorption, catalysis and sensing. <i>Polymer Chemistry</i> , 2018 , 9, 2643-2649	4.9	44
51	A facile strategy for fabricating AgI/MIL-53(Fe) composites: superior interfacial contact and enhanced visible light photocatalytic performance. <i>New Journal of Chemistry</i> , 2018 , 42, 3799-3807	3.6	39
50	A Zwitterionic Ligand-Based Cationic Metal-Organic Framework for Rapidly Selective Dye Capture and Highly Efficient Cr(VI) Removal. <i>Chemistry - A European Journal</i> , 2018 , 24, 2718-2724	4.8	57
49	A hexanuclear cluster based metal-organic framework for Fe ³⁺ sensing. <i>Inorganic Chemistry Communication</i> , 2018 , 91, 108-111	3.1	19
48	Enhancing Gas Sorption and Separation Performance via Bisbenzimidazole Functionalization of Highly Porous Covalent Triazine Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26678-26686	9.5	36
47	Different nanostructured tungsten oxides synthesized by facile solvothermal route for chlorine gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 275, 306-311	8.5	19

46	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	3.5	31
45	Enhancing CO Adsorption and Separation Properties of Aluminophosphate Zeolites by Isomorphous Heteroatom Substitutions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43570-43577	9.5	20
44	Metal-organic frameworks based on bipyridinium carboxylate: photochromism and selective vapochromism. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2084-2089	7.1	60
43	CO ₂ adsorption and catalytic application of imidazole ionic liquid functionalized porous organic polymers. <i>Polymer Chemistry</i> , 2017 , 8, 1833-1839	4.9	36
42	Multifunctional Zinc Metal-Organic Framework Based on Designed H4TCPP Ligand with Aggregation-Induced Emission Effect: CO ₂ Adsorption, Luminescence, and Sensing Property. <i>Crystal Growth and Design</i> , 2017 , 17, 2090-2096	3.5	71
41	Synthesis, structure and gas adsorption properties of a stable microporous Cu-based metal-organic framework assembled from a T-shaped pyridyl dicarboxylate ligand. <i>RSC Advances</i> , 2017 , 7, 17697-17703	3.7	4
40	Multifunctional porous Tröger's base polymers with tetraphenylethene units: CO ₂ adsorption, luminescence and sensing properties. <i>Polymer Chemistry</i> , 2017 , 8, 4842-4848	4.9	27
39	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	7.1	96
38	Lanthanide metal-organic frameworks based on a 1,2,3-triazole-containing tricarboxylic acid ligand for luminescence sensing of metal ions and nitroaromatic compounds. <i>RSC Advances</i> , 2016 , 6, 57828-57834	3.7	30
37	Solvent-induced construction of two zinc metal-organic frameworks for highly selective detection of nitroaromatic explosives. <i>CrystEngComm</i> , 2016 , 18, 4102-4108	3.3	23
36	Novel photo- and/or thermochromic MOFs derived from bipyridinium carboxylate ligands. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 814-820	6.8	48
35	Different Co ₃ O ₄ mesostructures synthesised by templating with KIT-6 and SBA-15 via nanocasting route and their sensitivities toward ethanol. <i>Sensors and Actuators B: Chemical</i> , 2016 , 235, 39-45	8.5	22
34	Germanosilicate zeolite ITQ-44 with extra-large 18-rings synthesized using a commercial quaternary ammonium as a structure-directing agent. <i>RSC Advances</i> , 2015 , 5, 63209-63214	3.7	6
33	A luminescent cadmium metal-organic framework for sensing of nitroaromatic explosives. <i>Dalton Transactions</i> , 2015 , 44, 230-6	4.3	115
32	Octavinylsilsesquioxane-based luminescent nanoporous inorganic-organic hybrid polymers constructed by the Heck coupling reaction. <i>Polymer Chemistry</i> , 2015 , 6, 917-924	4.9	44
31	A microporous lanthanum metal-organic framework as a bi-functional chemosensor for the detection of picric acid and Fe(3+) ions. <i>Dalton Transactions</i> , 2015 , 44, 13340-6	4.3	103
30	One-pot Suzuki-Heck Reaction to Construct Luminescent Microporous Organic Polymers Based on 4-Vinylphenylboronic Acid. <i>Acta Chimica Sinica</i> , 2015 , 73, 611	3.3	3
29	Four-connected metal-organic frameworks constructed by tetracarboxylate acid-based ligands. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 478	6.8	10

28	Nitrogen-Doped Hierarchical Porous Carbon Nanowhisker Ensembles on Carbon Nanofiber for High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1525-1533	8.3	91
27	One-step carbonization synthesis of hollow carbon nanococoons with multimodal pores and their enhanced electrochemical performance for supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2192-8	9.5	52
26	A one-pot synthetic strategy via tandem Suzuki-Miyaura reactions for the construction of luminescent microporous organic polymers. <i>Polymer Chemistry</i> , 2014 , 5, 471-478	4.9	59
25	Application of response surface methodology for optimization of nano-TiO ₂ preparation using modified sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2013 , 67, 394-405	2.3	7
24	Alendronate functionalized mesoporous hydroxyapatite nanoparticles for drug delivery. <i>Materials Research Bulletin</i> , 2013 , 48, 2201-2204	5.1	31
23	Conformational Supramolecular Isomerism in Two-Dimensional Fluorescent Coordination Polymers Based on Flexible Tetracarboxylate Ligand. <i>Crystal Growth and Design</i> , 2013 , 13, 4092-4099	3.5	45
22	A new porous 2D copper(II) metal-organic framework for selective adsorption of CO ₂ over N ₂ . <i>Inorganic Chemistry Communication</i> , 2013 , 38, 104-107	3.1	9
21	Design and synthesis of two porous metal-organic frameworks with nbo and agw topologies showing high CO ₂ adsorption capacity. <i>Inorganic Chemistry</i> , 2013 , 52, 10720-2	5.1	39
20	A 4 + 4 strategy for synthesis of zeolitic metal-organic frameworks: an indium-MOF with SOD topology as a light-harvesting antenna. <i>Chemical Communications</i> , 2013 , 49, 11155-7	5.8	89
19	Synthesis of organic-functionalized SAPO-5 with variable content and type of organic Si in the H ₂ O/C ₂ H ₅ OH system. <i>Materials Letters</i> , 2013 , 101, 103-106	3.3	8
18	A novel (3,3,6)-connected luminescent metal-organic framework for sensing of nitroaromatic explosives. <i>Dalton Transactions</i> , 2013 , 42, 5508-13	4.3	105
17	Luminescent microporous organic polymers containing the 1,3,5-tri(4-ethenylphenyl)benzene unit constructed by Heck coupling reaction. <i>Polymer Chemistry</i> , 2013 , 4, 1932	4.9	79
16	AIE luminogen bridged hollow hydroxyapatite nanocapsules for drug delivery. <i>Dalton Transactions</i> , 2013 , 42, 9877-83	4.3	36
15	A novel decanuclear Co(II) cluster with adamantane-like metallic skeleton supported by 8-hydroxyquinoline and in situ formed CO ₃ (²⁻) anions. <i>Dalton Transactions</i> , 2012 , 41, 6242-6	4.3	14
14	Structures and properties of lanthanide metal-organic frameworks based on a 1,2,3-triazole-containing tetracarboxylate ligand. <i>Dalton Transactions</i> , 2012 , 41, 12790-6	4.3	44
13	Synthesis and characterization of chiral zeolite ITQ-37 by using achiral organic structure-directing agent. <i>Microporous and Mesoporous Materials</i> , 2012 , 164, 88-92	5.3	10
12	Supersensitive detection of explosives by recyclable AIE luminogen-functionalized mesoporous materials. <i>Chemical Communications</i> , 2012 , 48, 7167-9	5.8	196
11	An inorganic-organic hybrid compound built from polyoxovanadate cluster and Mn (II) complexes. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 1640-1643	3.1	4

10	A new lanthanide metal-organic framework with (3,6)-connected topology based on novel tricarboxylate ligand. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 978-981	3.1	29
9	Tris(2,2Sbi-1H-imidazole- μ ,N)cobalt(II) hydrogen phosphate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1399		2
8	Synthesis, Structure, and Gas Sorption Studies of a Three-Dimensional Metal-Organic Framework with NbO Topology. <i>Crystal Growth and Design</i> , 2010 , 10, 3405-3409	3.5	39
7	[Zn(HPO(3))(C(11)N(2)O(2)H(12))] and [Zn(3)(H(2)O)(PO(4))(HPO(4))(C(6)H(9)N(3)O(2))(2)(C(6)H(8)N(3)O(2))]: homochiral zinc phosphite/phosphate networks with biofunctional amino acids. <i>Dalton Transactions</i> , 2010 , 39, 5439-45	4.3	31
6	Palladium-catalyzed double annulations to construct multisubstituted benzodifurans. <i>Journal of Organic Chemistry</i> , 2007 , 72, 9219-24	4.2	44
5	An efficient synthesis of fused tricycles with a benzene core via intramolecular double ring-closing enyne metathesis. <i>Tetrahedron</i> , 2007 , 63, 977-985	2.4	10
4	Double annulations of dihydroxy- and diacetoxy-dialkynylbenzenes. An efficient construction of benzodifurans. <i>Tetrahedron</i> , 2007 , 63, 12877-12882	2.4	20
3	Intramolecular double or triple Suzuki coupling reaction of substituted di- or tribromobenzenes. An easy synthesis of fused tri- or tetracycles with a benzene core. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 5389-5395	2.3	7
2	Highly selective synthesis of bicyclic quinolizidine alkaloids and their analogues via double RCM reaction of N-alkynyl-N-(1,omega)-alkadienyl acrylamides. <i>Journal of Organic Chemistry</i> , 2004 , 69, 6305-94.2	4.2	29
1	An yttrium-organic framework based on a hexagonal prism second building unit for luminescent sensing of antibiotics and highly effective CO ₂ fixation. <i>Inorganic Chemistry Frontiers</i> ,	6.8	2