

# Zhiqiang Li

## List of Publications by Year in descending order

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67  
papers

2,894  
citations

159358

30  
h-index

168136

53  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting Ethane/Ethylene Separation within Isoreticular Ultramicroporous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 12940-12946.	6.6	309
2	Loading Photochromic Molecules into a Luminescent Metal-Organic Framework for Information Anticounterfeiting. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18025-18031.	7.2	205
3	Photoresponsive Luminescent Polymeric Hydrogels for Reversible Information Encryption and Decryption. <i>Advanced Science</i> , 2019, 6, 1901529.	5.6	193
4	An Ultramicroporous Metal-Organic Framework for High Sieving Separation of Propylene from Propane. <i>Journal of the American Chemical Society</i> , 2020, 142, 17795-17801.	6.6	186
5	Photoresponsive supramolecular coordination polyelectrolyte as smart anticounterfeiting inks. <i>Nature Communications</i> , 2021, 12, 1363.	5.8	160
6	Reversible Phase Transition of Robust Luminescent Hybrid Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2194-2198.	7.2	149
7	Organic-Inorganic Hierarchical Self-Assembly into Robust Luminescent Supramolecular Hydrogel. <i>Advanced Functional Materials</i> , 2017, 27, 1604379.	7.8	125
8	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21752-21757.	7.2	115
9	Luminescence Enhancement after Adding Organic Salts to Nanohybrid under Aqueous Condition. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2097-2103.	4.0	82
10	Water-Soluble Luminescent Hybrid Composites Consisting of Oligosilsesquioxanes and Lanthanide Complexes and their Sensing Ability for Cu <sup>2+</sup> . <i>Chemistry - A European Journal</i> , 2016, 22, 3037-3043.	1.7	82
11	Quinolinotriazole- $\beta$ -cyclodextrin and its adamantanecarboxylic acid complex as efficient water-soluble fluorescent Cd <sup>2+</sup> sensors. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 1415-1420.	1.4	70
12	Europium( <sup>iii</sup> )- $\beta$ -diketonate complex-containing nanohybrid luminescent pH detector. <i>Chemical Communications</i> , 2015, 51, 10644-10647.	2.2	66
13	Loading Photochromic Molecules into a Luminescent Metal-Organic Framework for Information Anticounterfeiting. <i>Angewandte Chemie</i> , 2019, 131, 18193-18199.	1.6	62
14	Color-tunable luminescent hydrogels with tough mechanical strength and self-healing ability. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1153-1159.	2.7	57
15	Reversible On-Off Luminescence Switching in Self-Healable Hydrogels. <i>Langmuir</i> , 2015, 31, 12736-12741.	1.6	50
16	Self-Healing Material with Reversible Luminescence Switch Behavior. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 54026-54034.	4.0	48
17	Multistimuli-Responsive Lanthanide-Containing Smart Luminescent Hydrogel Actuator. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 20633-20640.	4.0	48
18	Emission Fingerprint Relationships of Low-Level Water in Organic Solvents Based on Ln <sup>3+</sup> - $\beta$ -Diketonate Complexes in Laponite. <i>Advanced Optical Materials</i> , 2016, 4, 156-161.	3.6	46

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19	Simultaneous enhancement of mechanical strength and luminescence performance in double-network supramolecular hydrogels. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6869-6874.	2.7	46
20	Temperature-dependent luminescence properties of lanthanide(III) $\beta^2$ -diketonate complex-doped LAPONITE <sup>®</sup> . <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 405-411.	1.6	43
21	Reversible Phase Transition of Robust Luminescent Hybrid Hydrogels. <i>Angewandte Chemie</i> , 2018, 130, 2216-2220.	1.6	42
22	Highly Stretchable and Fast Self-Healing Luminescent Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 13239-13247.	4.0	42
23	Microporous Copper Isophthalate Framework of $C_{2v}$ Topology for $H_2/CO_2$ Separation. <i>Crystal Growth and Design</i> , 2019, 19, 5829-5835.	1.4	40
24	Mechanical Behaviors of Highly Swollen Supramolecular Hydrogels Mediated by Pseudorotaxanes. <i>Macromolecules</i> , 2017, 50, 1141-1146.	2.2	36
25	Colorimetric sensor arrays for amines based on responsive lanthanide complex entrapment. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6805-6811.	2.7	35
26	A highly selective lanthanide-containing probe for ratiometric luminescence detection of an anthrax biomarker. <i>Dalton Transactions</i> , 2019, 48, 7714-7719.	1.6	35
27	Self-healing hydrogel containing Eu-polyoxometalate as acid-base vapor modulated luminescent switch. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 153-158.	4.0	33
28	Hierarchical Organization of Spherical Assembly with Reversibly Photocontrollable Cross-Links. <i>Journal of Organic Chemistry</i> , 2013, 78, 5110-5114.	1.7	32
29	A Supramolecular Tubular Nanoreactor. <i>Chemistry - A European Journal</i> , 2014, 20, 8566-8570.	1.7	32
30	A Ratiometric Luminescent Thermometer Co-doped with Lanthanide and Transition Metals. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2720-2724.	1.7	30
31	Luminescence modulation via cation- $\pi$ interaction in a lanthanide assembly: implications for potassium detection. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1944-1950.	2.7	30
32	Supramolecular Assembly with Multiple Preorganised $\pi$ - $\pi$ Electronic Cages. <i>Chemistry - A European Journal</i> , 2013, 19, 96-100.	1.7	29
33	Multistimuli-responsive hydrogels with both anisotropic mechanical performance and anisotropic luminescent behavior. <i>Chemical Engineering Journal</i> , 2022, 449, 137718.	6.6	26
34	Multi-colored luminescent light-harvesting hybrids based on aminoclay and lanthanide complexes. <i>RSC Advances</i> , 2015, 5, 11570-11576.	1.7	25
35	Lanthanide Luminescence Improvement by Using a Functional Poly(Ionic Liquid) as Matrix and Co-ligand. <i>Chemistry - an Asian Journal</i> , 2016, 11, 745-749.	1.7	25
36	A Robust Mixed-Lanthanide PolyMOF Membrane for Ratiometric Temperature Sensing. <i>Angewandte Chemie</i> , 2020, 132, 21936-21941.	1.6	23

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37	Synthesis and luminescence of octacarboxy cubic polyhedral oligosilsesquioxanes coordinated with terbium. <i>CrystEngComm</i> , 2016, 18, 177-182.	1.3	21
38	Fabrication of POSS-coated CdTe quantum dots sensitized solar cells with enhanced photovoltaic properties. <i>Journal of Alloys and Compounds</i> , 2017, 726, 593-600.	2.8	18
39	BS12-assisted flotation for the intensification of SNPs separation from CMP wastewater using a novel flotation column. <i>Journal of Hazardous Materials</i> , 2018, 344, 788-796.	6.5	18
40	Solvent free mechanochemical synthesis of Eu <sup>3+</sup> complex and its luminescent sensing of trace water and temperature. <i>RSC Advances</i> , 2017, 7, 14314-14320.	1.7	17
41	The construction of a lanthanide coordination polymer as ratiometric luminescent H <sub>2</sub> PO <sub>4</sub> <sup>2-</sup> sensor. <i>Dyes and Pigments</i> , 2017, 147, 429-435.	2.0	16
42	Modification of Eu <sup>3+</sup> β-diketonate complex-intercalated LAPONITE® with a terpyridine-functionalized ionic liquid. <i>RSC Advances</i> , 2015, 5, 70868-70873.	1.7	14
43	Progress in Multifunctional Metal-Organic Frameworks/Polymer Hybrid Membranes. <i>Chemistry - A European Journal</i> , 2021, 27, 12940-12952.	1.7	14
44	Luminescent host-guest materials of electrostatically adsorbed Eu <sup>3+</sup> (tta) <sub>3</sub> -tpylL on zeolite L crystals. <i>Materials Research Bulletin</i> , 2014, 55, 216-220.	2.7	13
45	Transparent and luminescent ionogels composed of Eu <sup>3+</sup> -coordinated ionic liquids and poly(methyl methacrylate). <i>Luminescence</i> , 2015, 30, 1303-1307.	1.5	13
46	Smart luminescent hydrogel with superior mechanical performance based on polymer networks embedded with lanthanide containing clay nanocomposites. <i>Nanoscale</i> , 2021, 13, 11380-11386.	2.8	13
47	Lanthanide(III)-Based Multicolor Luminescent Hybrid Gel for Amine Sensing. <i>Chemistry - An Asian Journal</i> , 2017, 12, 768-774.	1.7	9
48	Ultrastretchable Luminescent Nanocomposite Hydrogel with Self-Healing Behavior. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2329-2336.	2.0	9
49	Construction of lanthanide-containing ratiometric probe for facile anthrax biomarker detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118541.	2.0	7
50	Adhesion enhancement via the synergistic effect of metal-ligand coordination and supramolecular host-guest interactions in luminescent hydrogels. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1482-1488.	3.0	7
51	Ionic Liquids and Rare Earth Soft Luminescent Materials. <i>Green Chemistry and Sustainable Technology</i> , 2016, , 157-178.	0.4	6
52	Spontaneously Self-Regenerative Hybrid Luminescent Hydrogel. <i>ACS Applied Polymer Materials</i> , 2021, 3, 604-609.	2.0	6
53	Zirconia-based luminescent organic-inorganic hybrid materials with ternary europium (III) complexes bonded. <i>Optical Materials</i> , 2016, 55, 78-82.	1.7	5
54	Hydrogels with both mechanical strength and luminescence anisotropy. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 4194-4200.	3.0	5

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55	A turn-on luminescence probe for highly selective detection of an anthrax biomarker. <i>Luminescence</i> , 2020, 35, 601-607.	1.5	4
56	Co-cross-linked lanthanide-containing nanocomposite luminescent hydrogels. <i>New Journal of Chemistry</i> , 2021, 45, 5252-5257.	1.4	4
57	Enhanced NIR Luminescence of Nanozeolite L Loading Lanthanide $\beta$ -diketonate Complexes. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1389-1392.	2.6	3
58	Near-infrared luminescent PMMA films containing Yb <sup>3+</sup> -complexes: preparation and characterization. <i>Colloid and Polymer Science</i> , 2016, 294, 1495-1501.	1.0	3
59	Novel fluorescent terphenyl bridged crystalline silsesquioxane through self-directed assembly. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 593-599.	1.1	3
60	The construction of color-tunable lanthanide coordination polymer mediated by C <sub>3</sub> -symmetrical organic ligand. <i>Colloid and Polymer Science</i> , 2018, 296, 53-58.	1.0	3
61	Transparent Layer Derived from Layered Europium Hydroxide Sensitized with 2-Thenoyltrifluoroacetone. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 5058-5062.	0.9	2
62	Separation performances of a multi-stage continuous bubble cap foam fractionation column. <i>Separation Science and Technology</i> , 2021, 56, 2458-2466.	1.3	2
63	Organic-Inorganic Hybrid Luminescent Hydrogel Glued by a Cationic Polymeric Binder. <i>Macromolecular Rapid Communications</i> , 2021, , 2100562.	2.0	1
64	Removal of Cu Ions in Wastewater through a Combined Foam Separation-Cell Adsorption Approach. <i>Chemical Engineering and Technology</i> , 0, , .	0.9	1
65	Separation of Bovine Serum Albumin by Foam Fractionation with Sieve Tray Column. <i>Separation Science and Technology</i> , 2015, , 150716070258003.	1.3	0
66	Random Packing Performance in Continuous Foam Fractionation. <i>Chemical Engineering and Technology</i> , 2021, 44, 1558-1566.	0.9	0
67	Frontispiece: Progress in Multifunctional Metal-Organic Frameworks/Polymer Hybrid Membranes. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0