

# Li-Zhuang Chen

## List of Publications by Year in descending order

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58  
papers

1,041  
citations

361413

20  
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477307

29  
g-index

59  
all docs

59  
docs citations

59  
times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent Mn-based metal-organic framework as an unusual detector to OH <sup>-</sup> and a multi-responsive sensor for Fe <sup>3+</sup> , Cr <sup>2O7<sup>2-</sup></sup> and CrO <sub>4</sub> <sup>2-</sup> in aqueous media. <i>Journal of Molecular Structure</i> , 2022, 1257, 132485.	3.6	6
2	A novel organic-inorganic hybrid phase transition compound based on 4-ethylmorpholine with switchable dielectric and luminescent properties. <i>New Journal of Chemistry</i> , 2022, 46, 1054-1059.	2.8	5
3	High temperature molecular-based phase transition compounds with tunable and switchable dielectric properties. <i>CrystEngComm</i> , 2022, 24, 782-787.	2.6	7
4	Luminescent MOFs for selective sensing of Ag <sup>+</sup> and other ions (Fe <sup>3+</sup> ) and Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	18
5	An efficiency aqueous hybrid supercapacitor with high working voltage based on porous PbO <sub>2</sub> /WO <sub>3</sub> ·H <sub>2</sub> O positive electrode. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 11962-11974.	7.1	5
6	Multiaxial Molecular Ferroelectrics with a Large Viable Temperature Range. <i>Chemistry of Materials</i> , 2022, 34, 4479-4485.	6.7	15
7	Construction of rice husk-derived SiO <sub>x</sub> nanoparticles encapsulated with graphene aerogel hybrid for high-performance lithium ion batteries. <i>Electrochimica Acta</i> , 2022, 422, 140572.	5.2	20
8	Rapid room temperature synthesis of a new 2D AIE-chromophore COFs at room temperature and highly selective naked eye sensing of Fe <sup>3+</sup> ions. <i>Journal of Porous Materials</i> , 2022, 29, 1531-1538.	2.6	3
9	Rosa roxburghii-like hierarchical hollow sandwich-structure C@Fe <sub>2</sub> O <sub>3</sub> @C microspheres as second nanomaterials for superior lithium storage. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157518.	5.5	29
10	A multiaxial molecular ferroelectric with record high <i>T<sub>C</sub></i> designed by intermolecular interaction modulation. <i>Chemical Communications</i> , 2021, 57, 943-946.	4.1	25
11	Interlayer Spacing-Controlled Na <sub>0.71</sub> Co <sub>0.96</sub> O <sub>2</sub> with High Pseudocapacitance for Enhanced Sodium Storage. <i>Energy &amp; Fuels</i> , 2021, 35, 3479-3489.	5.1	6
12	Eco-Friendly and Highly Efficient Light-Emission Ferroelectric Scintillators by Precise Molecular Design. <i>Advanced Functional Materials</i> , 2021, 31, 2102848.	14.9	50
13	Tuning Chromophore-Based LMOF Dimensionality to Enhance Detection Sensitivity for Fe <sup>3+</sup> Ions. <i>ACS Omega</i> , 2021, 6, 16498-16506.	3.5	10
14	TIPA-ligand-based luminescent Cd(II) organic frameworks as an outstanding sensor for detecting Fe <sup>3+</sup> in an aqueous medium. <i>CrystEngComm</i> , 2021, 23, 5516-5521.	2.6	17
15	Selective fluorescent sensing of LMOFs constructed from tri(4-pyridylphenyl)amine ligand. <i>RSC Advances</i> , 2021, 11, 16989-16995.	3.6	11
16	Ni/Fe layered double hydroxide nanosheet/G-quadruplex as a new complex DNAzyme with highly enhanced peroxidase-mimic activity. <i>Analyst</i> , 2021, 146, 6470-6473.	3.5	3
17	Three Robust Blue-Emitting Anionic Metal-Organic Frameworks with High Stability and Good Proton Conductivities. <i>Inorganic Chemistry</i> , 2021, 60, 17926-17932.	4.0	15
18	Recent Progress in Luminescent Cu(I) Halide Complexes: A Mini-Review. <i>Frontiers in Chemistry</i> , 2021, 9, 816363.	3.6	16

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19	A highly stable, luminescent and layered zinc(II)-MOF: Iron(III)/copper(II) dual sensing and guest-assisted exfoliation. <i>Chinese Chemical Letters</i> , 2020, 31, 2211-2214.	9.0	25
20	Fe <sup>3+</sup> -Doped CoP Flower-Like Microstructure on Carbon Membrane as Integrated Electrode with Enhanced Sodium Ion Storage. <i>Chemistry - A European Journal</i> , 2020, 26, 1298-1305.	3.3	42
21	Synthesis, structures, and fluorescence properties of one novel Cobalt metal-organic framework based on a tetraphenylethene-core ligand. <i>Journal of Chemical Research</i> , 2020, 44, 193-197.	1.3	8
22	A novel ferroelectric based on quinuclidine derivatives. <i>Chinese Chemical Letters</i> , 2020, 31, 1686-1689.	9.0	12
23	Side Chain Induced Self-Assembly and Selective Catalytic Oxidation Activity of Copper(I)-Copper(II)-N <sub>4</sub> Complexes. <i>Crystal Growth and Design</i> , 2020, 20, 1237-1241.	3.0	4
24	Precise Molecular Design Toward Organic-Inorganic Zinc Chloride ABX <sub>3</sub> Ferroelectrics. <i>Journal of the American Chemical Society</i> , 2020, 142, 6236-6243.	13.7	74
25	High-Performance Metal-Organic Framework-Templated Sorbent for Selective Eu(III) Capture. <i>ACS Omega</i> , 2020, 5, 7392-7398.	3.5	7
26	Template Synthesis of a Heterostructured MnO <sub>2</sub> @SnO <sub>2</sub> Hollow Sphere Composite for High Asymmetric Supercapacitor Performance. <i>ACS Applied Energy Materials</i> , 2020, 3, 7284-7293.	5.1	38
27	A Low-Cost and High-Capacity SiO <sub>x</sub> /C@graphite Hybrid as an Advanced Anode for High-Power Lithium-Ion Batteries. <i>ACS Omega</i> , 2020, 5, 16440-16447.	3.5	14
28	Porous Fe <sub>3</sub> O <sub>4</sub> /C nanoaggregates by the carbon polyhedrons as templates derived from metal organic framework as battery-type materials for supercapacitors. <i>Electrochimica Acta</i> , 2020, 337, 135818.	5.2	32
29	MIL-88A@polyoxometalate microrods as an advanced anode for high-performance lithium ion batteries. <i>CrystEngComm</i> , 2020, 22, 3588-3597.	2.6	30
30	A stable zinc(II)-organic framework as rapid and multi-responsive luminescent sensor for metal ions in water. <i>Journal of Coordination Chemistry</i> , 2020, 73, 867-876.	2.2	11
31	Fe-Co-P/C with strong coupling interaction for enhanced sodium ion batteries and oxygen evolution reactions. <i>Electrochimica Acta</i> , 2019, 321, 134646.	5.2	27
32	Facile Synthesis of Hierarchical Iron Phosphide/Biomass Carbon Composites for Binder-Free Sodium-Ion Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 144-152.	4.7	21
33	High switchable dielectric phase transition originating from distortion in inorganic-organic hybrid materials (H <sub>2</sub> dabco-C <sub>2</sub> H <sub>5</sub> ) [M <sup>II</sup> Cl <sub>4</sub> ] (M =) Tj ETQq31 0.784314 rgB		
34	Carbon-assisted conversion reaction-based oxide nanomaterials for lithium-ion batteries. <i>Sustainable Energy and Fuels</i> , 2018, 2, 1124-1140.	4.9	30
35	Crystal structures and luminescent properties of a cadmium(II) metal-organic framework based on tri(4-pyridylphenyl)amine. <i>Journal of Coordination Chemistry</i> , 2018, 71, 4023-4030.	2.2	6
36	Highly Luminescent Metal-Organic Frameworks Based on an Aggregation-Induced Emission Ligand as Chemical Sensors for Nitroaromatic Compounds. <i>Crystal Growth and Design</i> , 2018, 18, 5166-5173.	3.0	46

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37	A molecular-based phase transition compound based on ligand 1-ethyl-1,4-diazonia-bicyclo [2.2.2] octane. <i>Inorganic Chemistry Communication</i> , 2018, 92, 125-130.	3.9	4
38	Magnetic Ni/Fe layered double hydroxide nanosheets as enhancer for DNA hairpin sensitive detection of miRNA. <i>Talanta</i> , 2018, 187, 265-271.	5.5	30
39	Two blue-light excitable yellow-emitting LMOF phosphors constructed by triangular tri(4-pyridylphenyl)amine. <i>Dalton Transactions</i> , 2017, 46, 956-961.	3.3	36
40	Two novel metal-organic coordination polymers based on ligand 1,4-diazabicyclo[2.2.2]octane N,N'-dioxide with phase transition, and ferroelectric and dielectric properties. <i>CrystEngComm</i> , 2017, 19, 5907-5914.	2.6	27
41	Two novel phase transition materials based on 1-isopropyl-1,4-diazabicyclo[2.2.2]octan-1-ium. <i>Chinese Chemical Letters</i> , 2017, 28, 400-406.	9.0	16
42	Crystal structure, magnetism, and dielectric properties based on the axially chiral ligand 2,2'-dinitro-4,4'-biphenyldicarboxylic acid. <i>CrystEngComm</i> , 2016, 18, 1944-1952.	2.6	27
43	Synthesis of Novel 15-aryl-2,3,4,15-tetrahydrochromeno[2,3-a:4,5-b]Pyrimido[6,1-b]Quinazoline-1,9-diones. <i>Journal of Chemical Research</i> , 2016, 40, 87-91.	1.3	3
44	Temperature-induced reversible structural phase transition of 1,4-dimethyl-1,4-diazabicyclo[2.2.2]octane bis(perchlorate). <i>RSC Advances</i> , 2015, 5, 55914-55919.	3.6	12
45	Novel pure Pnma ferroelastic phase transition of 1,4-diisopropyl-1,4-diazonia-bicyclo[2.2.2]octane tetra-chlorobromo-M(II) (M = Mn and Co). <i>RSC Advances</i> , 2015, 5, 13488-13494.	3.6	12
46	Synthesis of Novel 2-Methyl and 2-Cyanomethyl-12-Aryl-8,12-Dihydro-9H-chromeno[3,2-e][1,2,4]Triazolo[1,5-c]Pyrimidin-11(10H)-One Derivatives. <i>Journal of Chemical Research</i> , 2015, 39, 30-35.	1.3	2
47	Switchable dielectric phase transition in tris(1-(chloromethyl)-1,4-diazabicyclo[2.2.2]octane) tetra(tetrafluoroborate) dichloride. <i>Inorganic Chemistry Communication</i> , 2015, 61, 93-96.	3.9	7
48	A composite electrodeposited PbO <sub>2</sub> /SnO <sub>2</sub> positive electrode material for hybrid supercapacitors. <i>RSC Advances</i> , 2015, 5, 98983-98989.	3.6	26
49	Temperature-induced isosymmetric reversible structural phase transition in [Cl <sub>2</sub> Cd(dabco-CH <sub>2</sub> Cl)] <sub>2</sub> ·(1/4-Cl) <sub>2</sub> . <i>Journal of Molecular Structure</i> , 2014, 1078, 68-73.	3.6	10
50	Temperature-induced reversible structural phase transition of 1-(chloromethyl)-1,4-diazoniabicyclo[2.2.2]octane bis(perchlorate). <i>CrystEngComm</i> , 2014, 16, 2944.	2.6	19
51	Synthesis of Novel 9,9-Dimethyl-8,12-Dihydro-9H-chromeno[3,2-e][1,2,4]triazolo[1,5-c]pyrimidin-11(10H)-one derivatives. <i>Journal of Chemical Research</i> , 2014, 38, 480-485.	1.3	6
52	Ferroelectricity based on coordination compound: Transition metal Co(II) sulfates templated by homochiral 2-methylpiperazine (C <sub>5</sub> H <sub>14</sub> N <sub>2</sub> )[Co(H <sub>2</sub> O) <sub>6</sub> ](SO <sub>4</sub> ) <sub>2</sub> . <i>Chinese Chemical Letters</i> , 2014, 25, 967-972.	9.0	7
53	Reversible ferroelastic phase transition of N-chloromethyl-1,4-diazabicyclo[2.2.2]octonium trichlorobromoquo copper(II). <i>Inorganic Chemistry Communication</i> , 2014, 45, 5-9.	3.9	18
54	Temperature-induced reversible structural phase transition of N-chloromethyl-1,4-diazabicyclo[2.2.2]octonium trichloroquo-manganese(II). <i>Journal of Molecular Structure</i> , 2014, 1072, 307-312.	3.6	11

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55	Observation of Deuteration Effect in Co-Crystal System: Hexamethylenetetraminium 3,5-Dinitrobenzoate Hemideuterated Water. <i>Crystal Growth and Design</i> , 2009, 9, 3828-3831.	3.0	44
56	Improved cycling stability of P2-type Na <sub>0.71</sub> Co <sub>0.96</sub> O <sub>2</sub> cathode material by optimizing Ti doping. <i>Journal of Solid State Electrochemistry</i> , 0, , 1.	2.5	1
57	Band gap modulation of organic–inorganic Sb(III) halide by molecular design. <i>CrystEngComm</i> , 0, , .	2.6	7
58	Anions-induced two stable isostructural Cd(II) LMOFs based on benzotriazole with highly selective detection of Fe <sup>3+</sup> ion. <i>New Journal of Chemistry</i> , 0, , .	2.8	7