

# Lian Chen

## List of Publications by Citations

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92  
ext. papers

3,919  
ext. citations

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#	Paper	IF	Citations
89	Controllable coordination-driven self-assembly: from discrete metallocages to infinite cage-based frameworks. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 201-10	24.3	232
88	A multi-metal-cluster MOF with Cu <sub>4</sub> L <sub>4</sub> and Cu <sub>6</sub> S <sub>6</sub> as functional groups exhibiting dual emission with both thermochromic and near-IR character. <i>Chemical Science</i> , <b>2013</b> , 4, 1484	9.4	178
87	A basket tetradecavanadate cluster with blue luminescence. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8588-9	16.4	177
86	New 3-d chiral framework of indium with 1,3,5-benzenetricarboxylate. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 73-6	5.1	128
85	A luminescent homochiral 3D Cd(II) framework with a threefold interpenetrating uniform net 8(6). <i>Chemical Communications</i> , <b>2009</b> , 5296-8	5.8	111
84	Truncated octahedral coordination cage incorporating six tetranuclear-metal building blocks and twelve linear edges. <i>Chemical Science</i> , <b>2012</b> , 3, 2321	9.4	110
83	A polynuclear d <sup>10</sup> -d <sup>10</sup> metal complex with unusual near-infrared luminescence and high thermal stability. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 2873-9	5.1	107
82	A family of doped lanthanide metal-organic frameworks for wide-range temperature sensing and tunable white light emission. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1981-1989	7.1	102
81	A non-interpenetrated porous metal-organic framework with high gas-uptake capacity. <i>Chemical Communications</i> , <b>2011</b> , 47, 9861-3	5.8	96
80	Novel Luminescent Three-Dimensional Heterometallic Complexes with 2-Fold Interpenetrating (3,6)-Connected Nets. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 1705-1712	3.5	93
79	The 3D Channel Framework Based on Indium(III)Btec, and Its Ion-Exchange Properties (btec = 1,2,4,5-Benzenetetracarboxylate). <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 1927-1931	2.3	91
78	Structures and Photoluminescent Properties of the Lanthanide Coordination Complexes with Hydroxyquinoline Carboxylate Ligands. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 2306-2313	3.5	89
77	An unusual bifunctional Tb-MOF for highly sensitive sensing of Ba <sup>2+</sup> ions and with remarkable selectivities for CO <sub>2</sub> /N <sub>2</sub> and CO <sub>2</sub> /H <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13526-13532	13	80
76	Multistimuli-Responsive Luminescent Material Reversible Switching Colors via Temperature and Mechanical Force. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 1377-1381	3.5	78
75	A series of novel zinc(II) entangled coordination polymers based on carboxyphenyl-terpyridine ligands. <i>Dalton Transactions</i> , <b>2013</b> , 42, 9954-65	4.3	75
74	Using cuprophilicity as a multi-responsive chromophore switching color in response to temperature, mechanical force and solvent vapors. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4339	7.1	74
73	A Highly Symmetric Porous Framework with Multi-intersecting Open Channels. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 1712-1715	3.5	71

72	Fabrication of a Robust Lanthanide Metal-Organic Framework as a Multifunctional Material for Fe(III) Detection, CO <sub>2</sub> Capture, and Utilization. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 2956-2963	3.5	70
71	Visible and NIR photoluminescence properties of a series of novel lanthanide-organic coordination polymers based on hydroxyquinoline-carboxylate ligands. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 13128-37	5.1	70
70	Photophysical studies of europium coordination polymers based on a tetracarboxylate ligand. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 7658-65	5.1	68
69	Two Novel Inorganic-Organic Hybrid Frameworks Based on InIII-BTC and InIII-BTEC. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 77-81	2.3	63
68	Europium and Terbium Coordination Polymers Assembled from Hexacarboxylate Ligands: Structures and Luminescent Properties. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 1010-1017	3.5	62
67	Self-Assembly of Thiocalix[4]arene-Supported Nickel(II)/Cobalt(II) Complexes Sustained by in Situ Generated 5-Methyltetrazolate Ligand. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 3335-3341	3.5	62
66	Temperature-Dependent in Situ Reduction of 4,4'-Azobispyridine via Solvothermal Reaction. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 2079-2088	3.5	61
65	A Porous Polyhedral Metal-Organic Framework Based on Zn <sub>2</sub> (COO) <sub>3</sub> and Zn <sub>2</sub> (COO) <sub>4</sub> SBUs. <i>Crystal Growth and Design</i> , <b>2009</b> , 9, 2559-2561	3.5	53
64	Rapid and discriminative detection of nitro aromatic compounds with high sensitivity using two zinc MOFs synthesized through a temperature-modulated method. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 22369-22376	13	52
63	From discrete octahedral nanocages to 1D coordination polymer: coordination-driven a single-crystal-to-single-crystal transformation via anion exchange. <i>Chemical Communications</i> , <b>2011</b> , 47, 2327-9	5.8	51
62	Fabricating a super stable luminescent chemosensor with multi-stimuli-response to metal ions and small organic molecules through turn-on and turn-off effects. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4511-4519	7.1	50
61	Self-Assembly Syntheses, Structural Characterization, and Luminescent Properties of Lanthanide Coordination Polymers Constructed by Three Triazole-Carboxylate Ligands. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 2266-2276	3.5	49
60	Stepwise construction of extra-large heterometallic calixarene-based cages. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 3183-8	5.1	46
59	Construction of two microporous metal-organic frameworks with flu and pyr topologies based on Zn <sub>4</sub> (β-OH) <sub>2</sub> (CO <sub>2</sub> ) <sub>6</sub> and Zn <sub>6</sub> (β-O)(CO <sub>2</sub> ) <sub>6</sub> secondary building units. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 1032-8	5.1	46
58	Structural variability, unusual thermochromic luminescence and nitrobenzene sensing properties of five Zn(II) coordination polymers assembled from a terphenyl-hexacarboxylate ligand. <i>CrystEngComm</i> , <b>2015</b> , 17, 3829-3837	3.3	41
57	Unprecedented three-level hierarchical entanglement in a coordination polymer. <i>Chemical Communications</i> , <b>2012</b> , 48, 12168-70	5.8	40
56	Three novel organic-inorganic complexes based on decavanadate [V <sub>10</sub> O <sub>28</sub> ] <sub>6</sub> - units: special water layers, open 3D frameworks and yellow/blue luminescences. <i>Dalton Transactions</i> , <b>2012</b> , 41, 7737-45	4.3	39
55	A controllable and dynamic assembly system based on discrete metallocages. <i>Chemical Science</i> , <b>2014</b> , 5, 483-488	9.4	37

54	Construction of 5-Aminodiacetic Isophthalate Based Nickel(II) Complexes with Diverse Topologies through Modulating the Auxiliary Ligands. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 3273-3281	3.5	36
53	pH modulated assembly in the mixed-ligand system Cd(II)⊃pstc⊃phen: structural diversity and luminescent properties. <i>CrystEngComm</i> , <b>2013</b> , 15, 3992	3.3	35
52	The dynamic response of a flexible indium based metal-organic framework to gas sorption. <i>Chemical Communications</i> , <b>2016</b> , 52, 2277-80	5.8	34
51	A solid AND logic stimuli-responsive material with bright nondestructive performance designed by sensitive cuprophilicity. <i>Chemical Communications</i> , <b>2013</b> , 49, 10227-9	5.8	33
50	Thermally stable helical chain and octanuclear Ag(I) coordination networks with yellow luminescence. <i>CrystEngComm</i> , <b>2009</b> , 11, 2529	3.3	33
49	The Aggregations and Strong Emissions of d8 and d10 Metal⊃Hydroxyquinoline Complexes. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 2721-2728	3.5	33
48	A Series of d10 Metal Clusters Constructed by 2,6-Bis[3-(pyrazin-2-yl)-1,2,4-triazolyl]pyridine: Crystal Structures and Unusual Luminescences. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 5011-5018	3.5	32
47	Structural Diversity Modulated by the Ratios of a Ternary Solvent Mixture: Syntheses, Structures, and Luminescent Properties of Five Zinc(II) Metal⊃Organic Frameworks. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 1481-1491	3.5	32
46	Auxiliary ligand-directed and counter anion-templated effects on coordination networks based on semirigid 2-aminodiacetic terephthalic acid ligand. <i>CrystEngComm</i> , <b>2013</b> , 15, 911-921	3.3	29
45	Cation-Induced Strategy toward an Hourglass-Shaped Cu <sub>6</sub> I <sub>7</sub> ⊃Cluster and Its Color-Tunable Luminescence. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 8093-8099	9.6	28
44	Anion-driven self-assembly: from discrete cages to infinite polycatenanes step by step. <i>Chemical Communications</i> , <b>2013</b> , 49, 719-21	5.8	27
43	Three novel 3D coordination polymers based on a flexible multisite cyclotetraphosphazene ligand. <i>Dalton Transactions</i> , <b>2012</b> , 41, 14038-41	4.3	26
42	A water-stable 3D Eu-MOF based on a metallacyclodimeric secondary building unit for sensitive fluorescent detection of acetone molecules. <i>CrystEngComm</i> , <b>2019</b> , 21, 321-328	3.3	23
41	The indium⊃carboxylate chain structure with the rectangular tunnels. <i>Inorganic Chemistry Communication</i> , <b>2005</b> , 8, 199-201	3.1	22
40	3-D indium(III)-btc channel frameworks and their ion-exchange properties (btc=1,3,5-benzenetricarboxylate). <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 1154-1160	3.3	21
39	Five novel Zn(II)/Cd(II) coordination polymers based on bis(pyrazinyl)-triazole and varied polycarboxylates: syntheses, topologies and photoluminescence. <i>CrystEngComm</i> , <b>2014</b> , 16, 11078-11087	3.3	20
38	A Flexible Two-Fold Interpenetrated Indium MOF Exhibiting Dynamic Response to Gas Adsorption and High-Sensitivity Detection of Nitroaromatic Explosives. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 3597-3602	4.5	19
37	A 2D silver-iodide-organic framework with both fluorescent and phosphorescent emissions. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 15, 208-211	3.1	19

36	Diverse architectures and luminescence properties of two novel copper(I) coordination polymers assembled from 2,6-bis[3-(pyrid-4-yl)-1,2,4-triazolyl]pyridine ligands. <i>CrystEngComm</i> , <b>2015</b> , 17, 1541-1548	3.3	19
35	Temperature-controlled reduction of Cu(II) and structural transformation on the assembly of coordination network. <i>CrystEngComm</i> , <b>2012</b> , 14, 4181	3.3	19
34	An Unusual (10,3)-d MOF Material with Nanoscale Helical Cavities and Multifunctionality. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 5000-5005	2.3	19
33	Controllable Coordination Self-Assembly Based on Flexible Tripodal Ligands: From Finite Metallocages to Infinite Polycatenanes Step by Step. <i>Chemical Record</i> , <b>2015</b> , 15, 711-27	6.6	16
32	Solvothermal syntheses and structures of indium(III)-binaphthalenyl dicarboxylate complexes with yellow/blue luminescence. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 1499-1505	3.3	16
31	Structure and photoluminescent properties of lanthanide coordination polymers based on two isomers of iminodiacetic acid substituted isophthalate and terephthalate ligands. <i>CrystEngComm</i> , <b>2012</b> , 14, 6055	3.3	15
30	Nickel-Organic Coordination Layers with Different Directional Cavities. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 4852-4856	2.3	15
29	Double-walled tubular metal-organic frameworks constructed from bi-strand helices. <i>CrystEngComm</i> , <b>2009</b> , 11, 1831	3.3	14
28	Photoluminescences and 1D chain-like structures with dinuclear lanthanide(III) units featuring bipyridine-tetracarboxylate. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 15, 25-28	3.1	13
27	The 2-D double layer structures of indium-benzenemulticarboxylate coordination polymers with green fluorescence. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 2821-2827	2.7	13
26	Incorporating Three Chiral Channels into an In-MOF for Excellent Gas Absorption and Preliminary Cu <sup>2+</sup> Ion Detection. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 3860-3868	3.5	12
25	A chiral twofold interpenetrated diamond-like 3D In(III) coordination network with 4,4',4''-phosphoryltribenzoate. <i>Inorganic Chemistry Communication</i> , <b>2009</b> , 12, 1238-1241	3.1	12
24	Half-Open Hollow Cages of Pentadecavanadate and Hexadecavanadate Compounds with Large -ONOV- Windows. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 4092-4099	3.5	12
23	Constructing multi-cluster copper(i) halides using conformationally flexible ligands. <i>Chemical Communications</i> , <b>2020</b> , 56, 7233-7236	5.8	10
22	Tailored construction of novel Nickel (II) and Manganese (II) coordination polymers based on tris(p-carboxylphenyl)phosphine oxide. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 392, 396-403	2.7	10
21	The d <sup>10</sup> metal-sulfosalicylate complexes: Herring-bone, ladder and double-stranded chain frameworks with green luminescences. <i>Journal of Solid State Chemistry</i> , <b>2009</b> , 182, 3162-3170	3.3	9
20	Two microporous metal-organic frameworks constructed from trinuclear cobalt(II) and cadmium(II) cluster subunits. <i>CrystEngComm</i> , <b>2016</b> , 18, 2239-2243	3.3	8
19	Metal-Organic Frameworks Based on Lanthanide Clusters. <i>Structure and Bonding</i> , <b>2014</b> , 145-183	0.9	8

18	Construction of a Stable Lanthanide Metal-Organic Framework as a Luminescent Probe for Rapid Naked-Eye Recognition of Fe and Acetone. <i>Molecules</i> , <b>2021</b> , 26,	4.8	8
17	Synthesis and characterization of a mixed-valence hexadecavanadate cluster with half-open framework. <i>Inorganic Chemistry Communication</i> , <b>2009</b> , 12, 219-222	3.1	7
16	Effects of Temperature and Anion on the Copper(II) Complexes based on 2-(Carboxyphenyl)iminodiacetic Acid and 1,10-Phenanthroline. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2015</b> , 641, 1998-2004	1.3	6
15	A red luminescent organicoorganic hybrid network with double-stranded zigzag [Cu <sub>4</sub> I <sub>4</sub> ] <sub>n</sub> chains. <i>Inorganic Chemistry Communication</i> , <b>2010</b> , 13, 191-194	3.1	6
14	A Novel Self-Penetrated Framework with New Topology Based on Rigid Ligands. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 1029-1032	4.9	5
13	A dinuclear vanadium compound with 24-membered macrocycle generated via formation of S $\pi$ bonds. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 407-413	2.7	5
12	Hydrothermal Synthesis and Structures of Two One-Dimensional Heteropolytungstates Chains Formed by Keggin Cluster Units. <i>Journal of Cluster Science</i> , <b>2008</b> , 19, 591-600	3	5
11	Tunable dual-emission luminescence from Cu(I)-cluster-based MOFs for multi-stimuli responsive materials. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 2890-2897	7.1	5
10	Construction of Zn(II)/Cd(II) coordination polymers derived from a tetrazole derivative: Syntheses, structures and luminescent properties. <i>Inorganic Chemistry Communication</i> , <b>2015</b> , 56, 129-132	3.1	4
9	Bis(tetraethylammonium) bis(dimethylammonium) dihydrogendecavanadate(V). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, m675-m677		4
8	1D chain, 2D layer and trinuclear unit based 3D frameworks of indium(iii)-biphenyl carboxylate complexes. <i>Inorganica Chimica Acta</i> , <b>2012</b> , 386, 36-45	2.7	3
7	Solvent-Induced Pseudopolymorphism of a New Dinuclear Oxovanadium(V) Compound Based on 2,6-Di(hydroxymethyl)-4-methylphenol. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2009</b> , 635, 379-383	1.3	3
6	Achieving gas pressure-dependent luminescence from an AlEgen-based metal-organic framework.. <i>Nature Communications</i> , <b>2022</b> , 13, 2142	17.4	3
5	Two novel pillar-layered Mn(II) coordination networks based on aromatic carboxylic acids with aminodiacetate functionality. <i>Inorganic Chemistry Communication</i> , <b>2015</b> , 58, 43-47	3.1	2
4	Indium(III)Organic Coordination Polymers with Versatile Topological Structures Based on Multicarboxylate Ligands25-61		2
3	Mixed-metallic Cu(I)-Ag(I) iodide based inorganicoorganic hybrid: substitution-induced band-gap enlargement and emission enhancement. <i>Inorganic Chemistry Communication</i> , <b>2020</b> , 119, 108057	3.1	1
2	A red-emissive 3D framework with the coexistence of copper-iodide clusters and rings as a luminescent ratiometric thermometer. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 127, 108517	3.1	1
1	A copper(I) thiolate coordination polymer with thermochromic and mechanochromic luminescence. <i>Inorganic Chemistry Communication</i> , <b>2022</b> , 140, 109432	3.1	1

