

# Gang Xiong

## List of Publications by Year in descending order

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69  
papers

2,416  
citations

218381

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205818

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71  
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71  
docs citations

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times ranked

2304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Versatile monometallic coordination polymers constructed from 4,4'-thiobis(methylene)benzoic acid and 1,10-phenanthroline. Synthesis, structure, magnetic and luminescence properties. <i>Inorganica Chimica Acta</i> , 2022, 531, 120712.	1.2	2
2	High porosity cyclotriphosphazene-based hyper-crosslinked polymers as efficient cationic dye MB adsorbents. <i>Polymer</i> , 2022, 247, 124787.	1.8	11
3	Pd and Ni NPs@Eu-MOF, an economically advantageous nanocatalyst for C(sp <sup>2</sup> )-C(sp <sup>2</sup> ) cross-coupling reactions. Key role of Ni and of the metal nanoparticles. <i>Polyhedron</i> , 2022, 223, 115950.	1.0	3
4	Structural insights into new luminescent 2D lanthanide coordination polymers using an N,N'-disubstituted benzimidazole zwitterion. Influence of the ligand. <i>Inorganica Chimica Acta</i> , 2021, 525, 120441.	1.2	8
5	Engineering functional group decorated ZIFs to high-performance Pd@ZIF-92 nanocatalysts for C(sp <sup>2</sup> )-C(sp <sup>2</sup> ) couplings in aqueous medium. <i>Journal of Catalysis</i> , 2020, 392, 80-87.	3.1	9
6	Highly Efficient and Selective Adsorption of Cationic Dyes in Aqueous Media on Microporous Hyper Crosslinked Polymer with Abundant and Evenly Dispersed Sulfonic Groups. <i>ChemistrySelect</i> , 2020, 5, 6541-6548.	0.7	9
7	Assembly of Three Lanthanide Coordination Polymers from 2-(4-Carboxybenzyloxy) Benzoic Acid Ligand: Synthesis, Structure, and Fluorescent Properties. <i>Australian Journal of Chemistry</i> , 2020, 73, 16.	0.5	3
8	Striking dual functionality of a novel Pd@Eu-MOF nanocatalyst in C(sp <sup>2</sup> )-C(sp <sup>2</sup> ) bond-forming and CO <sub>2</sub> fixation reactions. <i>Dalton Transactions</i> , 2020, 49, 6368-6376.	1.6	20
9	Synthesis, structure and luminescence of lanthanide coordination polymers based on the 1,3-Bis(carboxymethyl) imidazolium salt. <i>Journal of Solid State Chemistry</i> , 2019, 278, 120900.	1.4	12
10	Novel Zn and Cd Coordination Polymers Assembled from Imidazole-based Zwitterionic Ligands: Synthesis, Crystal Structures, and Luminescence Properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2019, 45, 741-747.	0.3	0
11	Lanthanide coordination polymers containing 1,3-bis(carboxymethyl) imidazolium as organic ligand: Crystal structure and luminescent properties. <i>Inorganica Chimica Acta</i> , 2019, 497, 119075.	1.2	9
12	Hypervalent silicon-based, anionic porous organic polymers with solid microsphere or hollow nanotube morphologies and exceptional capacity for selective adsorption of cationic dyes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 393-404.	5.2	61
13	Bakelite-type anionic microporous organic polymers with high capacity for selective adsorption of cationic dyes from water. <i>Chemical Engineering Journal</i> , 2019, 366, 404-414.	6.6	61
14	Unprecedented homochiral 3D lanthanide coordination polymers with triple-stranded helical architecture constructed from a rigid achiral aryldicarboxylate ligand. <i>CrystEngComm</i> , 2019, 21, 1758-1763.	1.3	15
15	Synthesis, structure and photoluminescence of 3D lanthanide coordination polymers based on 2-(3,5-dicarboxybenzyloxy) benzoic acid. <i>Inorganica Chimica Acta</i> , 2019, 485, 49-53.	1.2	7
16	2D and 3D lanthanide metal-organic frameworks constructed from three benzenedicarboxylate ligands: synthesis, structure and luminescent properties. <i>CrystEngComm</i> , 2018, 20, 615-623.	1.3	32
17	Sphalerite Cu/ZnS Nanoparticles Derived from Cu/Zn-ZIF-8 for the Photocatalytic Degradation and Adsorption of Dyes. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1038-1046.	1.0	11
18	La-Metal-Organic Framework incorporating Fe <sub>3</sub> O <sub>4</sub> nanoparticles, post-synthetically modified with Schiff base and Pd. A highly active, magnetically recoverable, recyclable catalyst for C-C cross-couplings at low Pd loadings. <i>Journal of Catalysis</i> , 2018, 361, 116-125.	3.1	75

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19	Temperature-tuned topologies and interpenetrations of two 3D porous copper(II)-organic frameworks and gas adsorption behaviors. <i>Inorganica Chimica Acta</i> , 2018, 471, 180-185.	1.2	8
20	Lanthanide contraction and anion-controlled structure diversity in two types of novel 3d-4f heterometallic coordination polymers: Crystal structure and magnetic properties. <i>Inorganica Chimica Acta</i> , 2018, 483, 299-304.	1.2	3
21	Tailoring the structure, pH sensitivity and catalytic performance in Suzuki-Miyaura cross-couplings of Ln/Pd MOFs based on the 1,1'-di( <i>p</i> -carboxybenzyl)-2,2'-diimidazole linker. <i>Dalton Transactions</i> , 2018, 47, 8755-8763.	1.6	22
22	Syntheses, structures, and luminescence of a series of novel trimetallic coordination polymers constructed by Cu-I clusters and alkaline-carboxyl-alkaline-earth building units. <i>Journal of Solid State Chemistry</i> , 2018, 265, 393-401.	1.4	2
23	Synthesis, Crystal Structure, and Photoluminescent Properties of a Series of LnIII-CuI Heterometallic Coordination Polymers Based on Cu <sub>4</sub> I <sub>3</sub> Clusters and Ln <sup>III</sup> Rod Units. <i>Australian Journal of Chemistry</i> , 2017, 70, 943.	0.5	5
24	Cluster-based MOFs with accelerated chemical conversion of CO <sub>2</sub> through C-C bond formation. <i>Chemical Communications</i> , 2017, 53, 6013-6016.	2.2	89
25	A Yellow-Emitting Homoleptic Iridium(III) Complex Constructed from a Multifunctional Spiro Ligand for Highly Efficient Phosphorescent Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2017, 56, 8397-8407.	1.9	23
26	High catalytic activity in aqueous heck and Suzuki-Miyaura reactions catalyzed by novel Pd/Ln coordination polymers based on 2,2'-bipyridine-4,4'-dicarboxylic acid as a heteroleptic ligand. <i>Polyhedron</i> , 2016, 115, 47-53.	1.0	35
27	Novel mononuclear Pt <sup>2+</sup> and Pd <sup>2+</sup> complexes containing (2,3-f)pyrazino(1,10)phenanthroline-2,3-dicarboxylic acid as a multi-donor ligand. Synthesis, structure, interaction with DNA, in vitro cytotoxicity, and apoptosis. <i>Journal of Inorganic Biochemistry</i> , 2016, 164, 129-140.	1.5	11
28	Structure and Magnetocaloric Effect of Two Kinds of Ln <sup>II</sup> -Mn <sup>II</sup> Heterometallic Coordination Polymers Produced by Fractional Crystallization. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3969-3977.	1.0	15
29	The synergistic effect of cobalt on a Pd/Co catalyzed Suzuki-Miyaura cross-coupling in water. <i>Dalton Transactions</i> , 2016, 45, 18455-18458.	1.6	27
30	Cooperative effects of lanthanides when associated with palladium in novel, 3D Pd/Ln coordination polymers. Sustainable applications as water-stable, heterogeneous catalysts in carbon-carbon cross-coupling reactions. <i>Applied Catalysis A: General</i> , 2016, 511, 1-10.	2.2	34
31	Novel luminescent heterobimetallic Ln <sup>III</sup> -Cu(I) 3D coordination polymers based on 5-(4-pyridyl) isophthalic acid as heteroleptic ligand. Synthesis and structural characterization. <i>Inorganic Chemistry Communication</i> , 2015, 62, 103-106.	1.8	10
32	Heterometal-organic frameworks as highly sensitive and highly selective luminescent probes to detect I <sup>+</sup> ions in aqueous solutions. <i>Chemical Communications</i> , 2015, 51, 3985-3988.	2.2	177
33	Bis(imidazole) coordination polymers controlled by oxalate as an auxiliary ligand. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1199-1212.	0.8	13
34	Elongated Wells-Dawson type 24-nuclear lanthanide clusters: Luminescence and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2015, 59, 1-4.	1.8	4
35	Remarkable Ln <sup>III</sup> <sub>3</sub> Fe <sup>III</sup> <sub>2</sub> clusters with magnetocaloric effect and slow magnetic relaxation. <i>Dalton Transactions</i> , 2015, 44, 468-471.	1.6	35
36	New strategy to construct single-ion magnets: a unique Dy@Zn <sub>6</sub> cluster exhibiting slow magnetic relaxation. <i>Chemical Communications</i> , 2014, 50, 4255-4257.	2.2	52

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37	The multiple core-shell structure in Cu <sub>24</sub> Ln <sub>6</sub> cluster with magnetocaloric effect and slow magnetization relaxation. Dalton Transactions, 2014, 43, 5639.	1.6	45
38	Four 3d-4d heterometallic coordination polymers based on 1,2,3-triazole-4,5-dicarboxylate: Synthesis, structures, and magnetic properties. Inorganica Chimica Acta, 2014, 409, 497-502.	1.2	12
39	Synthesis, structure and properties of 2D lanthanide coordination polymers based on N-heterocyclic arylpolycarboxylate ligands. Dalton Transactions, 2014, 43, 17385-17394.	1.6	32
40	Structures, luminescent and magnetic properties of a series of (3,6)-connected lanthanide-organic frameworks. Dalton Transactions, 2014, 43, 1814-1820.	1.6	50
41	A family of 3D lanthanide-organic frameworks constructed from parallelogram secondary building units: synthesis, structures and properties. CrystEngComm, 2014, 16, 1777.	1.3	14
42	Palladium(II) and Platinum(II) Complexes Containing Six-Membered N-Heterocyclic Ligands: Synthesis, Characterization, Interaction with DNA, DFT Calculation, and Cytotoxicity. European Journal of Inorganic Chemistry, 2014, 2014, 5741-5751.	1.0	12
43	Synthesis, structure, photoluminescence and magnetism of 3d-4f heterometallic coordination polymers bearing benzimidazole-5,6-dicarboxylate. Polyhedron, 2014, 83, 68-76.	1.0	9
44	Three 3d-4f heterometallic coordination polymers based on polydentate ligand and sulfate: Synthesis, crystal structure and photoluminescent properties. Inorganic Chemistry Communication, 2013, 28, 1-6.	1.8	16
45	Synthesis, characterization, interaction with DNA and cytotoxicity of Pd(ii) and Pt(ii) complexes containing pyridine carboxylic acid ligands. Dalton Transactions, 2013, 42, 3957.	1.6	32
46	Structures, luminescent and magnetic properties of six lanthanide-organic frameworks: observation of slow magnetic relaxation behavior in the DyIII compound. Dalton Transactions, 2013, 42, 3587.	1.6	100
47	A new octanuclear Fe <sub>8</sub> cluster with antiferromagnetic coupling. Inorganic Chemistry Communication, 2013, 35, 89-91.	1.8	6
48	Anion-induced changes of structure interpenetration and magnetic properties in 3D Dy-Cu metal-organic frameworks. Chemical Communications, 2013, 49, 2338.	2.2	87
49	Unique (3,12)-connected coordination polymers displaying high stability, large magnetocaloric effect and slow magnetic relaxation. Chemical Communications, 2013, 49, 6066.	2.2	139
50	A 24-Gd nanocapsule with a large magnetocaloric effect. Chemical Communications, 2013, 49, 1055-1057.	2.2	262
51	Synthesis, crystal structure, and magnetism of [Mn(hfac) <sub>2</sub> NIT(Ph-m-OPh)]. Journal of Coordination Chemistry, 2012, 65, 2683-2691.	0.8	2
52	Fast capture and separation of, and luminescent probe for, pollutant chromate using a multi-functional cationic heterometal-organic framework. Chemical Communications, 2012, 48, 8231.	2.2	231
53	Structures, Luminescence, and Magnetic Properties of Several Three-Dimensional Lanthanide-Organic Frameworks Comprising 4-Carboxyphenoxy Acetic Acid. Crystal Growth and Design, 2012, 12, 5203-5210.	1.4	55
54	3d-5f MOFs Containing Trigonal Bipyramidal Ln <sub>5</sub> Clusters as Nodes: Large Magnetocaloric Effect and Slow Magnetic Relaxation Behavior. Chemistry - A European Journal, 2012, 18, 15086-15091.	1.7	125

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55	Hydrothermal synthesis, crystal structure and properties of Ni(II)-4f complexes based on 1H-benzimidazole-5,6-dicarboxylic acid. Dalton Transactions, 2012, 41, 7670.	1.6	30
56	Structural Diversity, Luminescence, and Magnetic Property: Series of Coordination Polymers with 2,2'-Bipyridyl-4,4'-Dicarboxylic Acid. Crystal Growth and Design, 2012, 12, 3917-3926.	1.4	37
57	Three New Lanthanide Coordination Polymers Built from H <sub>2</sub> bpdca Ligands: Syntheses, Structures, and Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, n/a-n/a.	0.6	1
58	Hydrothermal synthesis, crystal structure and properties of three-dimensional Co(II)-4f heterometallic-organic frameworks. CrystEngComm, 2012, 14, 8689.	1.3	9
59	Two new Ln/Ag heterometallic-based coordination polymers constructed by 1H-benzimidazole-5,6-dicarboxylic acid. CrystEngComm, 2012, 14, 1753.	1.3	12
60	Structures and magnetic properties of several novel lanthanide coordination polymers based on thiophene-2,5-dicarboxylic acid. Science China Chemistry, 2012, 55, 1073-1078.	4.2	19
61	Four Dysprosium(III) Compounds Based On 1H-Benzimidazole-5,6-dicarboxylic Acid via Hydrothermal Synthesis. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 293-300.	0.6	5
62	Solvothermal synthesis, crystal structure, and properties of lanthanide-organic frameworks based on thiophene-2,5-dicarboxylic acid. Dalton Transactions, 2011, 40, 11581.	1.6	57
63	Four Ln(III) coordination polymers based on 1H-benzimidazole-5,6-dicarboxylate ligand: Synthesis, crystal structure, and luminescence. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2011, 37, 316-324.	0.3	5
64	Synthesis, crystal structures and luminescence properties of two novel 3D heterometallic coordination polymers. Inorganic Chemistry Communication, 2011, 14, 1245-1249.	1.8	12
65	Preparation and characterization of new chiral pyrrolyl $\pm$ -nitronyl nitroxide radicals in which the imidazolyl framework was directly bound to chiral center. Journal of Molecular Structure, 2011, 989, 10-19.	1.8	5
66	Hydrothermal synthesis, crystal structure and properties of Ag(I)-4f compounds based on 1H-benzimidazole-5,6-dicarboxylic acid. Dalton Transactions, 2010, 39, 11383.	1.6	40
67	Hydrothermal synthesis, structure, and photoluminescence of four complexes based on 1H-imidazole-4,5-dicarboxylate or 1H-imidazole-2-carboxylate ligands. Journal of Coordination Chemistry, 2010, 63, 4188-4200.	0.8	36
68	N-[(6-Bromo-2-methoxy-3-quinolyl)phenylmethyl]-2-morpholino-N-(1-phenylethyl)acetamide. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1901-o1901.	0.2	4
69	Potassium aquaterbium(III) oxalate sulfate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, i48-i48.	0.2	2