

Gang Xiong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3803544/publications.pdf>

Version: 2024-02-01

69
papers

2,416
citations

218381

26
h-index

205818

48
g-index

71
all docs

71
docs citations

71
times ranked

2304
citing authors

#	ARTICLE	IF	CITATIONS
1	A 24-Gd nanocapsule with a large magnetocaloric effect. <i>Chemical Communications</i> , 2013, 49, 1055-1057.	2.2	262
2	Fast capture and separation of, and luminescent probe for, pollutant chromate using a multi-functional cationic heterometal-organic framework. <i>Chemical Communications</i> , 2012, 48, 8231.	2.2	231
3	Heterometal-organic frameworks as highly sensitive and highly selective luminescent probes to detect I ⁺ ions in aqueous solutions. <i>Chemical Communications</i> , 2015, 51, 3985-3988.	2.2	177
4	Unique (3,12)-connected coordination polymers displaying high stability, large magnetocaloric effect and slow magnetic relaxation. <i>Chemical Communications</i> , 2013, 49, 6066.	2.2	139
5	3d MOFs Containing Trigonal Bipyramidal Ln ₅ Clusters as Nodes: Large Magnetocaloric Effect and Slow Magnetic Relaxation Behavior. <i>Chemistry - A European Journal</i> , 2012, 18, 15086-15091.	1.7	125
6	Structures, luminescent and magnetic properties of six lanthanide-organic frameworks: observation of slow magnetic relaxation behavior in the DyIII compound. <i>Dalton Transactions</i> , 2013, 42, 3587.	1.6	100
7	Cluster-based MOFs with accelerated chemical conversion of CO ₂ through C-C bond formation. <i>Chemical Communications</i> , 2017, 53, 6013-6016.	2.2	89
8	Anion-induced changes of structure interpenetration and magnetic properties in 3D Dy-Cu metal-organic frameworks. <i>Chemical Communications</i> , 2013, 49, 2338.	2.2	87
9	La-Metal-Organic Framework incorporating Fe ₃ O ₄ 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
10	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
11	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
12	Solvothermal synthesis, crystal structure, and properties of lanthanide-organic frameworks based on thiophene-2,5-dicarboxylic acid. <i>Dalton Transactions</i> , 2011, 40, 11581.	1.6	57
13	Structures, Luminescence, and Magnetic Properties of Several Three-Dimensional Lanthanide-Organic Frameworks Comprising 4-Carboxyphenoxy Acetic Acid. <i>Crystal Growth and Design</i> , 2012, 12, 5203-5210.	1.4	55
14	New strategy to construct single-ion magnets: a unique Dy@Zn ₆ cluster exhibiting slow magnetic relaxation. <i>Chemical Communications</i> , 2014, 50, 4255-4257.	2.2	52
15	Structures, luminescent and magnetic properties of a series of (3,6)-connected lanthanide-organic frameworks. <i>Dalton Transactions</i> , 2014, 43, 1814-1820.	1.6	50
16	The multiple core-shell structure in Cu ₂₄ Ln ₆ cluster with magnetocaloric effect and slow magnetization relaxation. <i>Dalton Transactions</i> , 2014, 43, 5639.	1.6	45
17	Hydrothermal synthesis, crystal structure and properties of Ag(I)-4f compounds based on 1H-benzimidazole-5,6-dicarboxylic acid. <i>Dalton Transactions</i> , 2010, 39, 11383.	1.6	40
18	Structural Diversity, Luminescence, and Magnetic Property: Series of Coordination Polymers with 2,2'-Bipyridyl-4,4'-Dicarboxylic Acid. <i>Crystal Growth and Design</i> , 2012, 12, 3917-3926.	1.4	37

#	ARTICLE	IF	CITATIONS
19	Hydrothermal synthesis, structure, and photoluminescence of four complexes based on 1H-imidazole-4,5-dicarboxylate or 1H-imidazole-2-carboxylate ligands. <i>Journal of Coordination Chemistry</i> , 2010, 63, 4188-4200.	0.8	36
20	Remarkable Ln ^{III} ₃ Fe ^{II} ₂ clusters with magnetocaloric effect and slow magnetic relaxation. <i>Dalton Transactions</i> , 2015, 44, 468-471.	1.6	35
21	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
22	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
23	Synthesis, characterization, interaction with DNA and cytotoxicity of Pd(ii) and Pt(ii) complexes containing pyridine carboxylic acid ligands. <i>Dalton Transactions</i> , 2013, 42, 3957.	1.6	32
24	Synthesis, structure and properties of 2D lanthanide coordination polymers based on N-heterocyclic arylpolycarboxylate ligands. <i>Dalton Transactions</i> , 2014, 43, 17385-17394.	1.6	32
25	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
26	Hydrothermal synthesis, crystal structure and properties of Ni(ii)-4f complexes based on 1H-benzimidazole-5,6-dicarboxylic acid. <i>Dalton Transactions</i> , 2012, 41, 7670.	1.6	30
27	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
28	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
29	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
30	Striking dual functionality of a novel Pd@Eu-MOF nanocatalyst in C(sp ²)-C(sp ²) bond-forming and CO ₂ fixation reactions. <i>Dalton Transactions</i> , 2020, 49, 6368-6376.	1.6	20
31	Structures and magnetic properties of several novel lanthanide coordination polymers based on thiophene-2,5-dicarboxylic acid. <i>Science China Chemistry</i> , 2012, 55, 1073-1078.	4.2	19
32	Three 3d-4f heterometallic coordination polymers based on polydentate ligand and sulfate: Synthesis, crystal structure and photoluminescent properties. <i>Inorganic Chemistry Communication</i> , 2013, 28, 1-6.	1.8	16
33	Structure and Magnetocaloric Effect of Two Kinds of Ln-Mn ^{II} Heterometallic Coordination Polymers Produced by Fractional Crystallization. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3969-3977.	1.0	15
34	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
35	A family of 3D lanthanide-organic frameworks constructed from parallelogram secondary building units: synthesis, structures and properties. <i>CrystEngComm</i> , 2014, 16, 1777.	1.3	14
36	Bis(imidazole) coordination polymers controlled by oxalate as an auxiliary ligand. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1199-1212.	0.8	13

#	ARTICLE	IF	CITATIONS
37	Synthesis, crystal structures and luminescence properties of two novel 3D heterometallic coordination polymers. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1245-1249.	1.8	12
38	Two new Ln/Ag heterometallic-based conversion phosphors constructed by 1H-benzimidazole-5,6-dicarboxylic acid. <i>CrystEngComm</i> , 2012, 14, 1753.	1.3	12
39	Four 3d-4d heterometallic coordination polymers based on 1,2,3-triazole-4,5-dicarboxylate: Synthesis, structures, and magnetic properties. <i>Inorganica Chimica Acta</i> , 2014, 409, 497-502.	1.2	12
40	Palladium(II) and Platinum(II) Complexes Containing Six-Membered N-Heterocyclic Ligands: Synthesis, Characterization, Interaction with DNA, DFT Calculation, and Cytotoxicity. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5741-5751.	1.0	12
41	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
42	Novel mononuclear Pt ²⁺ and Pd ²⁺ 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
43	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
44	High porosity cyclotriphosphazene-based hyper-crosslinked polymers as efficient cationic dye MB adsorbents. <i>Polymer</i> , 2022, 247, 124787.	1.8	11
45	Novel luminescent heterobimetallic Ln-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
46	Hydrothermal synthesis, crystal structure and properties of three-dimensional Co(ii)-4f heterometallic-organic frameworks. <i>CrystEngComm</i> , 2012, 14, 8689.	1.3	9
47	Synthesis, structure, photoluminescence and magnetism of 3d-4f heterometallic coordination polymers bearing benzimidazole-5,6-dicarboxylate. <i>Polyhedron</i> , 2014, 83, 68-76.	1.0	9
48	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
49	Engineering functional group decorated ZIFs to high-performance Pd@ZIF-92 nanocatalysts for C(sp ²)-C(sp ²) couplings in aqueous medium. <i>Journal of Catalysis</i> , 2020, 392, 80-87.	3.1	9
50	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
51	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
52	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
53	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
54	A new octanuclear Fe ₈ cluster with antiferromagnetic coupling. <i>Inorganic Chemistry Communication</i> , 2013, 35, 89-91.	1.8	6

#	ARTICLE	IF	CITATIONS
55	Four Dysprosium(III) Compounds Based On 1 <i>H</i> -Benzimidazole-5,6-dicarboxylic Acid via Hydrothermal Synthesis. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 293-300.	0.6	5
56	Four Ln(III) coordination polymers based on 1 <i>H</i> -benzimidazole-5,6-dicarboxylate ligand: Synthesis, crystal structure, and luminescence. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2011, 37, 316-324.	0.3	5
57	Preparation and characterization of new chiral pyrrolyl \pm -nitronyl nitroxide radicals in which the imidazolyl framework was directly bound to chiral center. <i>Journal of Molecular Structure</i> , 2011, 989, 10-19.	1.8	5
58	Synthesis, Crystal Structure, and Photoluminescent Properties of a Series of Ln(III)-Cu(I) Heterometallic Coordination Polymers Based on Cu ₄ I ₃ Clusters and Ln(III) Rod Units. <i>Australian Journal of Chemistry</i> , 2017, 70, 943.	0.5	5
59	N-[(6-Bromo-2-methoxy-3-quinolyl)phenylmethyl]-2-morpholino-N-(1-phenylethyl)acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1901-o1901.	0.2	4
60	Elongated Wells-Dawson type 24-nuclear lanthanide clusters: Luminescence and magnetic properties. <i>Inorganic Chemistry Communication</i> , 2015, 59, 1-4.	1.8	4
61	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
62	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
63	Pd and Ni NPs@Eu-MOF, an economically advantageous nanocatalyst for C(sp ²)-C(sp ²) cross-coupling reactions. Key role of Ni and of the metal nanoparticles. <i>Polyhedron</i> , 2022, 223, 115950.	1.0	3
64	Potassium aquaterbium(III) oxalate sulfate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, i48-i48.	0.2	2
65	Synthesis, crystal structure, and magnetism of [Mn(hfac) ₂ NIT(Ph- <i>m</i> -OPh)]. <i>Journal of Coordination Chemistry</i> , 2012, 65, 2683-2691.	0.8	2
66	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
67	Versatile monometallic coordination polymers constructed from 4,4'-thiobis(methylene)bibenzoic acid and 1,10-phenanthroline. Synthesis, structure, magnetic and luminescence properties. <i>Inorganica Chimica Acta</i> , 2022, 531, 120712.	1.2	2
68	Three New Lanthanide Coordination Polymers Built from H ₂ bpdC Ligands: Syntheses, Structures, and Properties. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, n/a-n/a.	0.6	1
69	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