Jian-zhong Cui

List of Publications by Year in Descending Order

89 papers	2,837 citations	33 h-index	50 g-index
90 ext. papers	3,202 ext. citations	3.9 avg, IF	5.39 L-index

#	Paper	IF	Citations
89	Fabrication of Magnetic Al-Based FeO@MIL-53 Metal Organic Framework for Capture of Multi-Pollutants Residue in Milk Followed by HPLC-UV.. *Molecules*, **2022**, 27,	4.8	1
88	[Ln4] complexes based on 8-hydroxylquinoline-schiff base: Synthesis, crystal structure and near-infrared emission. *Polyhedron*, **2021**, 201, 115165	2.7	1
87	Structures and magnetic properties of rhombus-shaped tetranuclear [Ln4] clusters: Dy4 cluster displaying single molecule magnet behavior. *Journal of Molecular Structure*, **2021**, 1228, 129753	3.4	
86	Boosting Catalytic Efficiency of Metal-Organic Frameworks with Electron-Withdrawing Effect for Lewis-Acid Catalysis. *ChemistrySelect*, **2021**, 6, 7732-7735	1.8	1
85	Near-infrared luminescence and magnetism of dinuclear lanthanide complexes constructed from a schiff-base and different β-diketonate coligands. *Inorganica Chimica Acta*, **2021**, 525, 120497	2.7	1
84	Molecular assemblies from linear-shaped Ln clusters to Ln clusters using different β-diketonates: disparate magnetocaloric effects and single-molecule magnet behaviours. *Dalton Transactions*, **2021**, 50, 12931-12943	4.3	9
83	Structures, magnetic refrigeration and single molecule-magnet behavior of five rhombus-shaped tetranuclear Ln(III)-based clusters. *New Journal of Chemistry*, **2020**, 44, 10266-10274	3.6	12
82	Construction of a family of Ln3 clusters using multidentate Schiff base and β-diketonate ligands: fluorescence properties, magnetocaloric effect and slow magnetic relaxation. *New Journal of Chemistry*, **2020**, 44, 9230-9237	3.6	14
81	Modulation of the properties of dinuclear lanthanide complexes through utilizing different β-diketonate co-ligands: near-infrared luminescence and magnetization dynamics. *Dalton Transactions*, **2020**, 49, 2850-2861	4.3	10
80	The near-infrared luminescence and magnetism of dinuclear complexes with different local symmetries constructed from a β-diketonate co-ligand and bis-Schiff base ligand. *New Journal of Chemistry*, **2020**, 44, 2561-2570	3.6	7
79	Near-infrared luminescence and magnetic properties of dinuclear rare earth complexes modulated by β-diketone co-ligands. *New Journal of Chemistry*, **2020**, 44, 3912-3921	3.6	7
78	Structures and magnetic properties of novel Ln(III)-based pentanuclear clusters: magnetic refrigeration and single-molecule magnet behavior. *New Journal of Chemistry*, **2020**, 44, 19351-19359	3.6	13
77	Solvent-induced single-molecule magnet behavior and near-infrared luminescence properties of rare earth complexes. *New Journal of Chemistry*, **2020**, 44, 19135-19143	3.6	0
76	Solvent-Dependent Assembly and Magnetic Relaxation Behaviors of [CuI] Cluster-Based Lanthanide MOFs: Acting as Efficient Catalysts for Carbon Dioxide Conversion with Propargylic Alcohols. *Inorganic Chemistry*, **2020**, 59, 15111-15119	5.1	20
75	New dinuclear compounds of dysprosium and erbium constructed by an O-vanillin ligand and β-diketonate coligand: Synthesis, near-Infrared luminescent and magnetism. *Inorganica Chimica Acta*, **2020**, 499, 119203	2.7	3
74	A new family of dinuclear lanthanide complexes constructed from an 8-hydroxyquinoline Schiff base and β-diketone: magnetic properties and near-infrared luminescence. *Dalton Transactions*, **2019**, 48, 1392-1403	4.3	30
73	Tetranuclear rare-earth complexes: energy barrier enhancement and two-step slow magnetic relaxation activated by ligand substitution. *Inorganic Chemistry Frontiers*, **2019**, 6, 756-764	6.8	13

72	Water Stable [Tb] Cluster-Based Metal-Organic Framework as Sensitive and Recyclable Luminescence Sensor of Quercetin. *Analytical Chemistry*, **2019**, 91, 2595-2599	7.8	59
71	A series of [2 □2] square grid LnIII4 clusters: a large magnetocaloric effect and single-molecule-magnet behavior. *New Journal of Chemistry*, **2019**, 43, 7419-7426	3.6	49
70	Synthesis, characterization and properties of lanthanide complexes with different ancillary ligands. *Inorganica Chimica Acta*, **2019**, 490, 240-245	2.7	1
69	Linear-shaped Ln and Ln clusters constructed by a polydentate Schiff base ligand and a □diketone co-ligand: structures, fluorescence properties, magnetic refrigeration and single-molecule magnet behavior. *Dalton Transactions*, **2019**, 48, 16744-16755	4.3	64
68	Modulating the magnetization dynamics of rare earth complexes by structural regulation utilizing different solvents. *Polyhedron*, **2019**, 159, 43-53	2.7	4
67	Wheel-like Ln Cluster Organic Frameworks for Magnetic Refrigeration and Conversion of CO. *Inorganic Chemistry*, **2018**, 57, 3144-3150	5.1	56
66	A series of Ln2 complexes based on an 8-hydroxyquinoline derivative: slow magnetization relaxation and photo-luminescence properties. *New Journal of Chemistry*, **2018**, 42, 5688-5697	3.6	16
65	Magnetic properties and structure of tetranuclear lanthanide complexes based on 8-hydroxylquinoline Schiff base derivative and □diketone coligand. *Dalton Transactions*, **2018**, 47, 3503-3511	4.3	36
64	Luminescence and magnetocaloric effect of Ln4 clusters (Ln = Eu, Gd, Tb, Er) bridged by CO32□ deriving from the spontaneous fixation of carbon dioxide in the atmosphere. *Inorganic Chemistry Frontiers*, **2018**, 5, 394-402	6.8	28
63	Modulating single-molecule magnet behavior towards multiple magnetic relaxation processes through structural variation in Dy4 clusters. *Inorganic Chemistry Frontiers*, **2018**, 5, 1876-1885	6.8	99
62	Butterfly-shaped tetranuclear Ln4 clusters showing magnetic refrigeration and single molecule-magnet behavior. *New Journal of Chemistry*, **2018**, 42, 14949-14955	3.6	54
61	Self-assembly of tetra-nuclear lanthanide clusters via atmospheric CO2 fixation: interesting solvent-induced structures and magnetic relaxation conversions. *Inorganic Chemistry Frontiers*, **2018**, 5, 2346-2354	6.8	102
60	Regulating the luminescent and magnetic properties of rare-earth complexes with □diketonate coligands. *New Journal of Chemistry*, **2018**, 42, 11417-11429	3.6	15
59	Modulating the magnetization dynamics of four phenoxo-O bridged Dy2 complexes based on a Schiff base derived from 8-hydroxyquinoline. *New Journal of Chemistry*, **2018**, 42, 16836-16845	3.6	13
58	Two luminescent lanthanide(iii) metal-organic frameworks as chemosensors for high-efficiency recognition of Cr(vi) anions in aqueous solution. *Dalton Transactions*, **2018**, 47, 15694-15702	4.3	74
57	Near-infrared luminescence and solvent modulation of the magnetic relaxation behavior of dinuclear lanthanide complexess. *Polyhedron*, **2018**, 151, 537-544	2.7	5
56	A usf Zinc(II) Metal□Organic Framework as a Highly Selective Luminescence Probe for Acetylacetone Detection and Its Postsynthetic Cation Exchange. *Crystal Growth and Design*, **2018**, 18, 3997-4003	3.5	57
55	Sensitive luminescent probes of aniline, benzaldehyde and Cr(VI) based on a zinc(II) metal-organic framework and its lanthanide(III) post-functionalizations. *Dyes and Pigments*, **2018**, 159, 429-438	4.6	50

54	A Dy4 single-molecule magnet and its Gd(iii), Tb(iii), Ho(iii), and Er(iii) analogues encapsulated by an 8-hydroxyquinoline Schiff base derivative and β-diketonate coligand. *Dalton Transactions*, **2017**, 46, 4669-4677	4.3	44
53	Fine-tuning the magnetocaloric effect and SMMs behaviors of coplanar RE4 complexes by β-diketonate coligands. *Inorganic Chemistry Frontiers*, **2017**, 4, 860-870	6.8	40
52	Dinuclear Ln(III) complexes constructed from an 8-hydroxyquinoline Schiff base derivative with different terminal groups show differing slow magnetic relaxation. *New Journal of Chemistry*, **2017**, 41, 6251-6261	3.6	20
51	A unique zinc-organic framework constructed through in situ ligand synthesis for conversion of CO under mild conditions and as a luminescence sensor for CrO/CrO. *Dalton Transactions*, **2017**, 46, 13862-13868	4.3	35
50	Tuning the luminescence of two 3d-4f metal-organic frameworks for the fast response and highly selective detection of aniline. *Dalton Transactions*, **2017**, 46, 16432-16438	4.3	49
49	Single-Molecule-Magnet Behavior and Fluorescence Properties of 8-Hydroxyquinolinate Derivative-Based Rare-Earth Complexes. *Inorganic Chemistry*, **2016**, 55, 8898-904	5.1	31
48	Modulation of the relaxation dynamics of linear-shaped tetranuclear rare-earth clusters through utilizing different solvents. *Dalton Transactions*, **2016**, 45, 19117-19126	4.3	21
47	Modulating dynamic magnetic behaviors of two Tb(III) dinuclear complexes by using two different β-diketonate coligands. *Inorganica Chimica Acta*, **2016**, 442, 172-177	2.7	7
46	Syntheses, crystal structures, magnetic and luminescent properties of lanthanide complexes with nitronyl nitroxide radical as ligand. *Journal of Coordination Chemistry*, **2016**, 69, 594-603	1.6	1
45	Seven phenoxido-bridged complexes encapsulated by 8-hydroxyquinoline Schiff base derivatives and β-diketone ligands: single-molecule magnet, magnetic refrigeration and luminescence properties. *Dalton Transactions*, **2016**, 45, 3362-71	4.3	48
44	Multiple magnetic relaxation processes, magnetocaloric effect and fluorescence properties of rhombus-shaped tetranuclear rare earth complexes. *Dalton Transactions*, **2016**, 45, 253-64	4.3	53
43	Modulating single-molecule magnet behaviour of phenoxo-O bridged lanthanide(III) dinuclear complexes by using different β-diketonate coligands. *Inorganic Chemistry Frontiers*, **2016**, 3, 133-141	6.8	116
42	Single-molecule magnet behavior of a dinuclear dysprosium compound constructed by 8-hydroxyquinoline Schiff base and β-diketonate ligands. *Inorganica Chimica Acta*, **2016**, 439, 106-110	2.7	17
41	A Semi-Conductive Copper-Organic Framework with Two Types of Photocatalytic Activity. *Angewandte Chemie - International Edition*, **2016**, 55, 4938-42	16.4	142
40	A Semi-Conductive Copper□Organic Framework with Two Types of Photocatalytic Activity. *Angewandte Chemie*, **2016**, 128, 5022-5026	3.6	17
39	Innentitelbild: A Semi-Conductive Copper□Organic Framework with Two Types of Photocatalytic Activity (Angew. Chem. 16/2016). *Angewandte Chemie*, **2016**, 128, 4922-4922	3.6	
38	Near-infrared luminescence and SMM behaviors of a family of dinuclear lanthanide 8-quinolinolate complexes. *RSC Advances*, **2016**, 6, 34165-34174	3.7	28
37	Structures and magnetic properties of several phenoxo-O bridged dinuclear lanthanide complexes: Dy derivatives displaying substituent dependent magnetic relaxation behavior. *Dalton Transactions*, **2016**, 45, 8182-91	4.3	88

36	Unique Chiral Interpenetrating d-f Heterometallic MOFs as Luminescent Sensors. *Inorganic Chemistry*, **2015**, 54, 5266-72	5.1	99
35	Luminescence, magnetocaloric effect and single-molecule magnet behavior in lanthanide complexes based on a tridentate ligand derived from 8-hydroxyquinoline. *Dalton Transactions*, **2015**, 44, 18893-901	4.3	50
34	Ligand Field Affected Single-Molecule Magnet Behavior of Lanthanide(III) Dinuclear Complexes with an 8-Hydroxyquinoline Schiff Base Derivative as Bridging Ligand. *Inorganic Chemistry*, **2015**, 54, 10610-22	5.1	155
33	Slow magnetic relaxation in a lanthanide helix chain compound [Dy(HNA)(NA)(NO)]n (HNA = nicotinic acid). *Dalton Transactions*, **2015**, 44, 6169-74	4.3	24
32	Syntheses, structures, and properties of six new coordination polymers constructed from N-heterocyclic multicarboxylic acids. *RSC Advances*, **2014**, 4, 10424	3.7	9
31	New strategy to construct single-ion magnets: a unique Dy@Zn cluster exhibiting slow magnetic relaxation. *Chemical Communications*, **2014**, 50, 4255-7	5.8	50
30	The multiple core-shell structure in Cu(24)Ln(6) cluster with magnetocaloric effect and slow magnetization relaxation. *Dalton Transactions*, **2014**, 43, 5639-42	4.3	41
29	Structures, luminescent and magnetic properties of a series of (3,6)-connected lanthanide-organic frameworks. *Dalton Transactions*, **2014**, 43, 1814-20	4.3	45
28	Alkaline cation directed structural diversity of cubic-cage-based cobalt(II) metal–organic frameworks: from pcu to bct net. *CrystEngComm*, **2014**, 16, 7133	3.3	13
27	Spectroscopic and electrochemical studies on the evaluation of the radical scavenging activities of luteolin by chelating iron. *RSC Advances*, **2014**, 4, 25227	3.7	17
26	Spin canting and metamagnetism in 3D pillared-layer homospin cobalt(II) molecular magnetic materials constructed via a mixed ligands approach. *Inorganic Chemistry Frontiers*, **2014**, 1, 242	6.8	30
25	pH-induced Dy and Dy cluster-based 1D chains with different magnetic relaxation features. *Dalton Transactions*, **2014**, 43, 16838-45	4.3	41
24	Cobalt(II)–lanthanide(III) Heterometallic Metal–Organic Frameworks with Unique (6,6)-Connected Nia Topologies with 1H-1,2,3-Triazole-4,5-dicarboxylic Acid: Syntheses, Structures and Magnetic Properties. *European Journal of Inorganic Chemistry*, **2014**, 2014, 407-412	2.3	21
23	A new family of 3d–4f heterometallic coordination polymers assembled with 1H-1,2,3-triazole-4,5-dicarboxylic acid: syntheses, structures and magnetic properties. *RSC Advances*, **2013**, 3, 21511	3.7	20
22	Structures, luminescent and magnetic properties of six lanthanide-organic frameworks: observation of slow magnetic relaxation behavior in the DyIII compound. *Dalton Transactions*, **2013**, 42, 3587-96	4.3	92
21	Solvothermal Syntheses, Crystal Structures, and Luminescent Properties of Two Transition Metal Complexes with 5-Nitro-8-hydroxyquinoline and N-Containing Auxiliary Ligands. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **2013**, 639, 115-120	1.3	2
20	Syntheses, crystal structures, and properties of four transition metal complexes based on 5-nitro-8-hydroxyquinoline. *Journal of Coordination Chemistry*, **2013**, 66, 18-27	1.6	14
19	Auxiliary ligand-assisted structural diversities of three metal–organic frameworks with potassium 1H-1,2,3-triazole-4,5-dicarboxylic acid: syntheses, crystal structures and luminescence properties. *CrystEngComm*, **2013**, 15, 2682	3.3	39

18	Unique (3,12)-connected coordination polymers displaying high stability, large magnetocaloric effect and slow magnetic relaxation. *Chemical Communications*, **2013**, 49, 6066-8	5.8	132
17	Synthesis, structural characterization and thermal properties of three copper(II) complexes based on aryl hydrazide ligands. *Transition Metal Chemistry*, **2012**, 37, 117-124	2.1	11
16	A New 2-((Z)-Thiosemicarbazidomethyl)- Quinolin-8-YL Acetate Ligand and its Cu(II) Complex: Syntheses, Structures, and Characterizations. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2012**, 187, 1101-1108	1	5
15	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	3.5	33
14	Syntheses, structures, and photo-luminescence of three silver complexes with N-heterocyclic multicarboxylic acids and 4,4?-bipyridine. *Journal of Coordination Chemistry*, **2012**, 65, 3740-3751	1.6	9
13	Syntheses, structures, and properties of 3D lanthanide coordination polymers based on pyridine-2,3,5,6-tetracarboxylate. *CrystEngComm*, **2012**, 14, 7965	3.3	20
12	Homo- and heterometallic complexes based on polytopic carboxylic acid: synthesis, characterization, and property. *Journal of Coordination Chemistry*, **2012**, 65, 1915-1925	1.6	11
11	3D Metal□rganic Framework Based on Cadmium Complex of Pyrazine-2,3,5,6-tetracarboxylic Acid. *Journal of Chemical Crystallography*, **2011**, 41, 1245-1248	0.5	9
10	Syntheses, structures, and photoluminescence of lanthanide coordination polymers with pyridine-2,3,5,6-tetracarboxylic acid. *CrystEngComm*, **2011**, 13, 1870-1876	3.3	33
9	1-D zigzag double-chain coordination polymers of transition metals derived from pyridine-2,3,5,6-tetracarboxylic acid. *Journal of Coordination Chemistry*, **2011**, 64, 2302-2311	1.6	1
8	Formation of the Water Layer in Lanthanide Coordination Polymers with 6-Methyl-2,3,5-Pyridinetricarboxylate as a Novel Bridging Ligand. *Crystal Growth and Design*, **2010**, 10, 218-223	3.5	17
7	1-D zigzag copper(II) complex with pyrazine-2,3,5,6-tetracarboxylate and oxalate. *Journal of Coordination Chemistry*, **2009**, 62, 3306-3313	1.6	5
6	ds-Block metal ions catalyzed decarboxylation of pyrazine-2,3,5,6-tetracarboxylic acid and the complexes obtained from hydrothermal reactions and novel water clusters. *CrystEngComm*, **2009**, 11, 2719	3.3	24
5	Syntheses and crystal structures of two new nickel(II) complexes with pyrazine-2,3,5,6-tetracarboxylate. *CrystEngComm*, **2009**, 11, 1427	3.3	18
4	Novel Water Clusters in Two Complexes of Pyridine-2,3,5,6-tetracarboxylate. *Crystal Growth and Design*, **2008**, 8, 3354-3359	3.5	60
3	Synthesis, Crystal Structure of a New Co(II) Complex with Pyrazine-2,3,5,6-tetracarboxylic Acid. *Journal of Chemical Crystallography*, **2008**, 38, 393-396	0.5	5
2	Synthesis and Magnetism of Novel □Oxamido Heterotetranuclear Complexes [Cu(II)M(III)] (M = Cr, Fe). *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **1997**, 27, 1501-1508		
1	First Oxalate-Bridged Heterobinuclear Co(II)-Mn(III) Complexes: Synthesis and Magnetism. *Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry*, **1997**, 27, 751-758		