

Jian-zhong Cui

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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	Ligand Field Affected Single-Molecule Magnet Behavior of Lanthanide(III) Dinuclear Complexes with an 8-Hydroxyquinoline Schiff Base Derivative as Bridging Ligand. <i>Inorganic Chemistry</i> , 2015 , 54, 10610-22	5.1	155
88	A Semi-Conductive Copper-Organic Framework with Two Types of Photocatalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4938-42	16.4	142
87	Unique (3,12)-connected coordination polymers displaying high stability, large magnetocaloric effect and slow magnetic relaxation. <i>Chemical Communications</i> , 2013 , 49, 6066-8	5.8	132
86	Modulating single-molecule magnet behaviour of phenoxo-O bridged lanthanide(III) dinuclear complexes by using different β -diketonate coligands. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 133-141	6.8	116
85	Self-assembly of tetra-nuclear lanthanide clusters via atmospheric CO ₂ fixation: interesting solvent-induced structures and magnetic relaxation conversions. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2346-2354	6.8	102
84	Unique Chiral Interpenetrating d-f Heterometallic MOFs as Luminescent Sensors. <i>Inorganic Chemistry</i> , 2015 , 54, 5266-72	5.1	99
83	Modulating single-molecule magnet behavior towards multiple magnetic relaxation processes through structural variation in Dy ₄ clusters. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1876-1885	6.8	99
82	Structures, luminescent and magnetic properties of six lanthanide-organic frameworks: observation of slow magnetic relaxation behavior in the Dy(III) compound. <i>Dalton Transactions</i> , 2013 , 42, 3587-96	4.3	92
81	Structures and magnetic properties of several phenoxo-O bridged dinuclear lanthanide complexes: Dy derivatives displaying substituent dependent magnetic relaxation behavior. <i>Dalton Transactions</i> , 2016 , 45, 8182-91	4.3	88
80	Two luminescent lanthanide(III) metal-organic frameworks as chemosensors for high-efficiency recognition of Cr(VI) anions in aqueous solution. <i>Dalton Transactions</i> , 2018 , 47, 15694-15702	4.3	74
79	Linear-shaped Ln and Ln clusters constructed by a polydentate Schiff base ligand and a β -diketone co-ligand: structures, fluorescence properties, magnetic refrigeration and single-molecule magnet behavior. <i>Dalton Transactions</i> , 2019 , 48, 16744-16755	4.3	64
78	Novel Water Clusters in Two Complexes of Pyridine-2,3,5,6-tetracarboxylate. <i>Crystal Growth and Design</i> , 2008 , 8, 3354-3359	3.5	60
77	Water Stable [Tb] Cluster-Based Metal-Organic Framework as Sensitive and Recyclable Luminescence Sensor of Quercetin. <i>Analytical Chemistry</i> , 2019 , 91, 2595-2599	7.8	59
76	A μ_2 Zinc(II) Metal-Organic Framework as a Highly Selective Luminescence Probe for Acetylacetonone Detection and Its Postsynthetic Cation Exchange. <i>Crystal Growth and Design</i> , 2018 , 18, 3997-4003	3.5	57
75	Wheel-like Ln Cluster Organic Frameworks for Magnetic Refrigeration and Conversion of CO. <i>Inorganic Chemistry</i> , 2018 , 57, 3144-3150	5.1	56
74	Butterfly-shaped tetranuclear Ln ₄ clusters showing magnetic refrigeration and single molecule-magnet behavior. <i>New Journal of Chemistry</i> , 2018 , 42, 14949-14955	3.6	54
73	Multiple magnetic relaxation processes, magnetocaloric effect and fluorescence properties of rhombus-shaped tetranuclear rare earth complexes. <i>Dalton Transactions</i> , 2016 , 45, 253-64	4.3	53

72	Luminescence, magnetocaloric effect and single-molecule magnet behavior in lanthanide complexes based on a tridentate ligand derived from 8-hydroxyquinoline. <i>Dalton Transactions</i> , 2015 , 44, 18893-901	4.3	50
71	New strategy to construct single-ion magnets: a unique Dy@Zn cluster exhibiting slow magnetic relaxation. <i>Chemical Communications</i> , 2014 , 50, 4255-7	5.8	50
70	Sensitive luminescent probes of aniline, benzaldehyde and Cr(VI) based on a zinc(II) metal-organic framework and its lanthanide(III) post-functionalizations. <i>Dyes and Pigments</i> , 2018 , 159, 429-438	4.6	50
69	A series of [2 D] square grid LnIII4 clusters: a large magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , 2019 , 43, 7419-7426	3.6	49
68	Tuning the luminescence of two 3d-4f metal-organic frameworks for the fast response and highly selective detection of aniline. <i>Dalton Transactions</i> , 2017 , 46, 16432-16438	4.3	49
67	Seven phenoxido-bridged complexes encapsulated by 8-hydroxyquinoline Schiff base derivatives and Ediketone ligands: single-molecule magnet, magnetic refrigeration and luminescence properties. <i>Dalton Transactions</i> , 2016 , 45, 3362-71	4.3	48
66	Structures, luminescent and magnetic properties of a series of (3,6)-connected lanthanide-organic frameworks. <i>Dalton Transactions</i> , 2014 , 43, 1814-20	4.3	45
65	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 Ediketonate coligand. <i>Dalton Transactions</i> , 2017 , 46, 4669-4677	4.3	44
64	The multiple core-shell structure in Cu(24)Ln(6) cluster with magnetocaloric effect and slow magnetization relaxation. <i>Dalton Transactions</i> , 2014 , 43, 5639-42	4.3	41
63	pH-induced Dy4 and Dy2 cluster-based 1D chains with different magnetic relaxation features. <i>Dalton Transactions</i> , 2014 , 43, 16838-45	4.3	41
62	Fine-tuning the magnetocaloric effect and SMMs behaviors of coplanar RE4 complexes by Ediketonate coligands. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 860-870	6.8	40
61	Auxiliary ligand-assisted structural diversities of three metalorganic frameworks with potassium 1H-1,2,3-triazole-4,5-dicarboxylic acid: syntheses, crystal structures and luminescence properties. <i>CrystEngComm</i> , 2013 , 15, 2682	3.3	39
60	Magnetic properties and structure of tetranuclear lanthanide complexes based on 8-hydroxyquinoline Schiff base derivative and Ediketone coligand. <i>Dalton Transactions</i> , 2018 , 47, 3503-3511	4.3	36
59	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. <i>Dalton Transactions</i> , 2017 , 46, 13862-13868	4.3	35
58	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	3.5	33
57	Syntheses, structures, and photoluminescence of lanthanide coordination polymers with pyridine-2,3,5,6-tetracarboxylic acid. <i>CrystEngComm</i> , 2011 , 13, 1870-1876	3.3	33
56	Single-Molecule-Magnet Behavior and Fluorescence Properties of 8-Hydroxyquinolate Derivative-Based Rare-Earth Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 8898-904	5.1	31
55	A new family of dinuclear lanthanide complexes constructed from an 8-hydroxyquinoline Schiff base and Ediketone: magnetic properties and near-infrared luminescence. <i>Dalton Transactions</i> , 2019 , 48, 1392-1403	4.3	30

54	Spin canting and metamagnetism in 3D pillared-layer homospin cobalt(II) molecular magnetic materials constructed via a mixed ligands approach. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 242	6.8	30
53	Luminescence and magnetocaloric effect of Ln ₄ clusters (Ln = Eu, Gd, Tb, Er) bridged by CO ₃ 2 ⁻ deriving from the spontaneous fixation of carbon dioxide in the atmosphere. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 394-402	6.8	28
52	Near-infrared luminescence and SMM behaviors of a family of dinuclear lanthanide 8-quinolinolate complexes. <i>RSC Advances</i> , 2016 , 6, 34165-34174	3.7	28
51	Slow magnetic relaxation in a lanthanide helix chain compound [Dy(HNA)(NA)(NO)] _n (HNA = nicotinic acid). <i>Dalton Transactions</i> , 2015 , 44, 6169-74	4.3	24
50	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. <i>CrystEngComm</i> , 2009 , 11, 2719	3.3	24
49	Modulation of the relaxation dynamics of linear-shaped tetranuclear rare-earth clusters through utilizing different solvents. <i>Dalton Transactions</i> , 2016 , 45, 19117-19126	4.3	21
48	Cobalt(II)lanthanide(III) Heterometallic MetalOrganic Frameworks with Unique (6,6)-Connected Nia Topologies with 1H-1,2,3-Triazole-4,5-dicarboxylic Acid: Syntheses, Structures and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 407-412	2.3	21
47	Dinuclear Ln(III) complexes constructed from an 8-hydroxyquinoline Schiff base derivative with different terminal groups show differing slow magnetic relaxation. <i>New Journal of Chemistry</i> , 2017 , 41, 6251-6261	3.6	20
46	A new family of 3d4f heterometallic coordination polymers assembled with 1H-1,2,3-triazole-4,5-dicarboxylic acid: syntheses, structures and magnetic properties. <i>RSC Advances</i> , 2013 , 3, 21511	3.7	20
45	Syntheses, structures, and properties of 3D lanthanide coordination polymers based on pyridine-2,3,5,6-tetracarboxylate. <i>CrystEngComm</i> , 2012 , 14, 7965	3.3	20
44	Solvent-Dependent Assembly and Magnetic Relaxation Behaviors of [Cu] Cluster-Based Lanthanide MOFs: Acting as Efficient Catalysts for Carbon Dioxide Conversion with Propargylic Alcohols. <i>Inorganic Chemistry</i> , 2020 , 59, 15111-15119	5.1	20
43	Syntheses and crystal structures of two new nickel(II) complexes with pyrazine-2,3,5,6-tetracarboxylate. <i>CrystEngComm</i> , 2009 , 11, 1427	3.3	18
42	Single-molecule magnet behavior of a dinuclear dysprosium compound constructed by 8-hydroxyquinoline Schiff base and βdiketonate ligands. <i>Inorganica Chimica Acta</i> , 2016 , 439, 106-110	2.7	17
41	Spectroscopic and electrochemical studies on the evaluation of the radical scavenging activities of luteolin by chelating iron. <i>RSC Advances</i> , 2014 , 4, 25227	3.7	17
40	Formation of the Water Layer in Lanthanide Coordination Polymers with 6-Methyl-2,3,5-Pyridinetricarboxylate as a Novel Bridging Ligand. <i>Crystal Growth and Design</i> , 2010 , 10, 218-223	3.5	17
39	A Semi-Conductive CopperOrganic Framework with Two Types of Photocatalytic Activity. <i>Angewandte Chemie</i> , 2016 , 128, 5022-5026	3.6	17
38	A series of Ln ₂ complexes based on an 8-hydroxyquinoline derivative: slow magnetization relaxation and photo-luminescence properties. <i>New Journal of Chemistry</i> , 2018 , 42, 5688-5697	3.6	16
37	Regulating the luminescent and magnetic properties of rare-earth complexes with βdiketonate coligands. <i>New Journal of Chemistry</i> , 2018 , 42, 11417-11429	3.6	15

36	Construction of a family of Ln ₃ clusters using multidentate Schiff base and βdiketonate ligands: fluorescence properties, magnetocaloric effect and slow magnetic relaxation. <i>New Journal of Chemistry</i> , 2020 , 44, 9230-9237	3.6	14
35	Syntheses, crystal structures, and properties of four transition metal complexes based on 5-nitro-8-hydroxyquinoline. <i>Journal of Coordination Chemistry</i> , 2013 , 66, 18-27	1.6	14
34	Tetranuclear rare-earth complexes: energy barrier enhancement and two-step slow magnetic relaxation activated by ligand substitution. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 756-764	6.8	13
33	Alkaline cation directed structural diversity of cubic-cage-based cobalt(II) metal-organic frameworks: from pcu to bct net. <i>CrystEngComm</i> , 2014 , 16, 7133	3.3	13
32	Structures and magnetic properties of novel Ln(III)-based pentanuclear clusters: magnetic refrigeration and single-molecule magnet behavior. <i>New Journal of Chemistry</i> , 2020 , 44, 19351-19359	3.6	13
31	Modulating the magnetization dynamics of four phenoxo-O bridged Dy ₂ complexes based on a Schiff base derived from 8-hydroxyquinoline. <i>New Journal of Chemistry</i> , 2018 , 42, 16836-16845	3.6	13
30	Structures, magnetic refrigeration and single molecule-magnet behavior of five rhombus-shaped tetranuclear Ln(III)-based clusters. <i>New Journal of Chemistry</i> , 2020 , 44, 10266-10274	3.6	12
29	Synthesis, structural characterization and thermal properties of three copper(II) complexes based on aryl hydrazide ligands. <i>Transition Metal Chemistry</i> , 2012 , 37, 117-124	2.1	11
28	Homo- and heterometallic complexes based on polytopic carboxylic acid: synthesis, characterization, and property. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 1915-1925	1.6	11
27	Modulation of the properties of dinuclear lanthanide complexes through utilizing different βdiketonate co-ligands: near-infrared luminescence and magnetization dynamics. <i>Dalton Transactions</i> , 2020 , 49, 2850-2861	4.3	10
26	Syntheses, structures, and properties of six new coordination polymers constructed from N-heterocyclic multicarboxylic acids. <i>RSC Advances</i> , 2014 , 4, 10424	3.7	9
25	Syntheses, structures, and photo-luminescence of three silver complexes with N-heterocyclic multicarboxylic acids and 4,4'-bipyridine. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 3740-3751	1.6	9
24	3D Metal-Organic Framework Based on Cadmium Complex of Pyrazine-2,3,5,6-tetracarboxylic Acid. <i>Journal of Chemical Crystallography</i> , 2011 , 41, 1245-1248	0.5	9
23	Molecular assemblies from linear-shaped Ln clusters to Ln clusters using different βdiketonates: disparate magnetocaloric effects and single-molecule magnet behaviours. <i>Dalton Transactions</i> , 2021 , 50, 12931-12943	4.3	9
22	The near-infrared luminescence and magnetism of dinuclear complexes with different local symmetries constructed from a βdiketonate co-ligand and bis-Schiff base ligand. <i>New Journal of Chemistry</i> , 2020 , 44, 2561-2570	3.6	7
21	Modulating dynamic magnetic behaviors of two Tb(III) dinuclear complexes by using two different βdiketonate coligands. <i>Inorganica Chimica Acta</i> , 2016 , 442, 172-177	2.7	7
20	Near-infrared luminescence and magnetic properties of dinuclear rare earth complexes modulated by βdiketonate co-ligands. <i>New Journal of Chemistry</i> , 2020 , 44, 3912-3921	3.6	7
19	A New 2-((Z)-Thiosemicarbazidomethyl)-Quinolin-8-YL Acetate Ligand and its Cu(II) Complex: Syntheses, Structures, and Characterizations. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012 , 187, 1101-1108	1	5

18	1-D zigzag copper(II) complex with pyrazine-2,3,5,6-tetracarboxylate and oxalate. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 3306-3313	1.6	5
17	Synthesis, Crystal Structure of a New Co(II) Complex with Pyrazine-2,3,5,6-tetracarboxylic Acid. <i>Journal of Chemical Crystallography</i> , 2008 , 38, 393-396	0.5	5
16	Near-infrared luminescence and solvent modulation of the magnetic relaxation behavior of dinuclear lanthanide complexes. <i>Polyhedron</i> , 2018 , 151, 537-544	2.7	5
15	Modulating the magnetization dynamics of rare earth complexes by structural regulation utilizing different solvents. <i>Polyhedron</i> , 2019 , 159, 43-53	2.7	4
14	New dinuclear compounds of dysprosium and erbium constructed by an O-vanillin ligand and Ediketonate coligand: Synthesis, near-Infrared luminescent and magnetism. <i>Inorganica Chimica Acta</i> , 2020 , 499, 119203	2.7	3
13	Solvothermal Syntheses, Crystal Structures, and Luminescent Properties of Two Transition Metal Complexes with 5-Nitro-8-hydroxyquinoline and N-Containing Auxiliary Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 115-120	1.3	2
12	Synthesis, characterization and properties of lanthanide complexes with different ancillary ligands. <i>Inorganica Chimica Acta</i> , 2019 , 490, 240-245	2.7	1
11	Syntheses, crystal structures, magnetic and luminescent properties of lanthanide complexes with nitronyl nitroxide radical as ligand. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 594-603	1.6	1
10	1-D zigzag double-chain coordination polymers of transition metals derived from pyridine-2,3,5,6-tetracarboxylic acid. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 2302-2311	1.6	1
9	[Ln4] complexes based on 8-hydroxylquinoline-schiff base: Synthesis, crystal structure and near-infrared emission. <i>Polyhedron</i> , 2021 , 201, 115165	2.7	1
8	Boosting Catalytic Efficiency of Metal-Organic Frameworks with Electron-Withdrawing Effect for Lewis-Acid Catalysis. <i>ChemistrySelect</i> , 2021 , 6, 7732-7735	1.8	1
7	Near-infrared luminescence and magnetism of dinuclear lanthanide complexes constructed from a schiff-base and different Ediketonate coligands. <i>Inorganica Chimica Acta</i> , 2021 , 525, 120497	2.7	1
6	Fabrication of Magnetic Al-Based FeO@MIL-53 Metal Organic Framework for Capture of Multi-Pollutants Residue in Milk Followed by HPLC-UV.. <i>Molecules</i> , 2022 , 27,	4.8	1
5	Solvent-induced single-molecule magnet behavior and near-infrared luminescence properties of rare earth complexes. <i>New Journal of Chemistry</i> , 2020 , 44, 19135-19143	3.6	0
4	Synthesis and Magnetism of Novel Edxamido Heterotetranuclear Complexes [Cu(II)M(III)] (M = Cr, Fe). <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1997 , 27, 1501-1508		
3	First Oxalate-Bridged Heterobinuclear Co(II)-Mn(III) Complexes: Synthesis and Magnetism. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1997 , 27, 751-758		
2	Innentitelbild: A Semi-Conductive CopperOrganic Framework with Two Types of Photocatalytic Activity (Angew. Chem. 16/2016). <i>Angewandte Chemie</i> , 2016 , 128, 4922-4922	3.6	
1	Structures and magnetic properties of rhombus-shaped tetranuclear [Ln4] clusters: Dy4 cluster displaying single molecule magnet behavior. <i>Journal of Molecular Structure</i> , 2021 , 1228, 129753	3.4	

