

Zhilei Wu

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102
papers

2,358
citations

28
h-index

45
g-index

105
ext. papers

2,802
ext. citations

4
avg, IF

5.48
L-index

#	Paper	IF	Citations
102	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, 10610-10622	5.1	155
101	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
100	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
99	Unique Chiral Interpenetrating d-f Heterometallic MOFs as Luminescent Sensors. <i>Inorganic Chemistry</i> , 2015 , 54, 5266-72	5.1	99
98	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
97	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
96	Metal-Organic Frameworks with Tb Clusters as Nodes: Luminescent Detection of Chromium(VI) and Chemical Fixation of CO. <i>Inorganic Chemistry</i> , 2017 , 56, 6244-6250	5.1	83
95	A stable zinc-organic framework with luminescence detection of acetylacetone in aqueous solution. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 271-277	6.8	81
94	A Sensitive Luminescent Acetylacetone Probe Based on Zn-MOF with Six-Fold Interpenetration. <i>Chemistry - A European Journal</i> , 2017 , 23, 13289-13293	4.8	76
93	Linear-shaped Ln and Ln clusters constructed by a polydentate Schiff base ligand and a β -diketonate co-ligand: structures, fluorescence properties, magnetic refrigeration and single-molecule magnet behavior. <i>Dalton Transactions</i> , 2019 , 48, 16744-16755	4.3	64
92	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
91	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
90	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
89	A series of [2 × 2] square grid LnIII ₄ clusters: a large magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , 2019 , 43, 7419-7426	3.6	49
88	Seven phenoxido-bridged complexes encapsulated by 8-hydroxyquinoline Schiff base derivatives and β -diketonate ligands: single-molecule magnet, magnetic refrigeration and luminescence properties. <i>Dalton Transactions</i> , 2016 , 45, 3362-71	4.3	48
87	A Dy ₄ 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. <i>Dalton Transactions</i> , 2017 , 46, 4669-4677	4.3	44
86	Copper(I) iodide cluster-based lanthanide organic frameworks: synthesis and application as efficient catalysts for carboxylative cyclization of propargyl alcohols with CO under mild conditions. <i>Dalton Transactions</i> , 2019 , 48, 11063-11069	4.3	43

85	pH-induced Dy ₄ and Dy ₂ cluster-based 1D chains with different magnetic relaxation features. <i>Dalton Transactions</i> , 2014 , 43, 16838-45	4.3	41
84	Fine-tuning the magnetocaloric effect and SMMs behaviors of coplanar RE ₄ complexes by Ediketonate coligands. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 860-870	6.8	40
83	A series of planar tetranuclear lanthanide complexes: axial ligand modulated magnetic dynamics in Dy ₄ species. <i>RSC Advances</i> , 2017 , 7, 55523-55535	3.7	38
82	Four tetra-nuclear lanthanide complexes based on 8-hydroxyquinolin derivatives: magnetic refrigeration and single-molecule magnet behaviour. <i>New Journal of Chemistry</i> , 2018 , 42, 11847-11853	3.6	35
81	Ligand-free nickel-catalyzed semihydrogenation of alkynes with sodium borohydride: a highly efficient and selective process for cis-alkenes under ambient conditions. <i>Chemical Communications</i> , 2017 , 53, 5372-5375	5.8	34
80	Tetranuclear lanthanide complexes showing magnetic refrigeration and single molecule magnet behavior. <i>New Journal of Chemistry</i> , 2019 , 43, 8067-8074	3.6	32
79	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
78	Synthesis, luminescence and magnetic properties of tetranuclear lanthanide-based (Eu ₄ , Gd ₄ and Dy ₄) clusters. <i>New Journal of Chemistry</i> , 2018 , 42, 18305-18311	3.6	31
77	Large magnetocaloric effect and remarkable single-molecule-magnet behavior in triangle-assembled LnIII ₆ clusters. <i>New Journal of Chemistry</i> , 2019 , 43, 16639-16646	3.6	30
76	Two Gd ₂ compounds constructed by 8-hydroxyquinoline Schiff base ligands: Synthesis, structure, and magnetic refrigeration. <i>Inorganic Chemistry Communication</i> , 2017 , 79, 8-11	3.1	29
75	Structures, fluorescence properties and magnetic properties of a series of rhombus-shaped LnIII ₄ clusters: magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , 2019 , 43, 12941-12949	3.6	29
74	Structures, luminescence properties, magnetocaloric effect and slow magnetic relaxation of three Ln (III) complexes based on 8-hydroxyquinoline Schiff-base ligand. <i>Polyhedron</i> , 2017 , 133, 119-124	2.7	28
73	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
72	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
71	Modulating single-molecule magnet behaviors of Dy ₄ III clusters through utilizing two different Ediketonate coligands. <i>Polyhedron</i> , 2019 , 160, 272-278	2.7	28
70	Modulating the single-molecule magnet behaviour in phenoxo-O bridged Dy ₂ systems via subtle structural variations. <i>Journal of Solid State Chemistry</i> , 2017 , 253, 154-160	3.3	27
69	Windmill-shaped LnIII ₄ (LnIII = Gd and Dy) clusters: magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , 2020 , 44, 4631-4638	3.6	27
68	An Ultrastable Matryoshka [Hf] Nanocluster as a Luminescent Sensor for Concentrated Alkali and Acid. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16610-16616	16.4	26

67	Two Ln ₄ clusters based complexes exhibiting magnetocaloric effect and magnetic dynamics behaviors. <i>Polyhedron</i> , 2018 , 146, 161-165	2.7	24
66	A rhombus-shaped tetranuclear dysprosium cluster showing single-molecule magnet behavior. <i>Polyhedron</i> , 2017 , 137, 306-310	2.7	22
65	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
64	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
63	Controllable chemoselective hydrogenation of furfural by PdAg/C bimetallic catalysts under ambient operating conditions: an interesting Ag switch. <i>Green Chemistry</i> , 2020 , 22, 1432-1442	10	20
62	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
61	Structures, fluorescence properties and magnetic properties of a series of dinuclear lanthanide(III) compounds: Dy ₂ compound showing single-molecule magnet behavior. <i>Polyhedron</i> , 2018 , 141, 304-308	2.7	18
60	A Semi-Conductive Copper Organic Framework with Two Types of Photocatalytic Activity. <i>Angewandte Chemie</i> , 2016 , 128, 5022-5026	3.6	17
59	Structures and magnetic properties of phenoxo-O-bridged dinuclear lanthanide(III) compounds: Single-molecule magnet behaviour and magnetic refrigeration. <i>Polyhedron</i> , 2018 , 145, 114-119	2.7	16
58	Modulation of magnetic relaxation behaviors via replacing coordinated solvents in a series of linear tetranuclear Dy ₄ complexes. <i>New Journal of Chemistry</i> , 2020 , 44, 8494-8502	3.6	15
57	Two rhombus-shaped tetranuclear gadolinium clusters showing magnetic refrigeration. <i>Polyhedron</i> , 2018 , 147, 126-130	2.7	15
56	Regulating the luminescent and magnetic properties of rare-earth complexes with Ediketonate coligands. <i>New Journal of Chemistry</i> , 2018 , 42, 11417-11429	3.6	15
55	Two LnIII ₄ (Ln = DyIII and GdIII) clusters showing single molecule magnet behavior and magnetic refrigeration. <i>Polyhedron</i> , 2018 , 154, 480-485	2.7	15
54	Construction of a family of Ln ₃ clusters using multidentate Schiff base and Ediketonate ligands: fluorescence properties, magnetocaloric effect and slow magnetic relaxation. <i>New Journal of Chemistry</i> , 2020 , 44, 9230-9237	3.6	14
53	Two dinuclear lanthanide(III) compounds based on a multidentate ligand: Structures, magnetic refrigeration and slow magnetic relaxation. <i>Inorganica Chimica Acta</i> , 2019 , 486, 83-87	2.7	14
52	Heterogeneous (de)chlorination-enabled control of reactivity in the liquid-phase synthesis of furanic biofuel from cellulosic feedstock. <i>Green Chemistry</i> , 2020 , 22, 637-645	10	13
51	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
50	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

49	Synthesis, structures and magnetic refrigeration properties of four dinuclear gadolinium compounds. <i>Polyhedron</i> , 2019 , 166, 17-22	2.7	11
48	A Porous Copper-Organic Framework Assembled by [Cu] Nanocages: Highly Efficient CO Capture and Chemical Fixation and Theoretical DFT Calculations. <i>Inorganic Chemistry</i> , 2021 , 60, 9122-9131	5.1	10
47	Two hexanuclear lanthanide Ln ₆ III clusters featuring remarkable magnetocaloric effect and slow magnetic relaxation behavior. <i>New Journal of Chemistry</i> , 2020 , 44, 18025-18030	3.6	9
46	Molecular assemblies from linear-shaped Ln clusters to Ln clusters using different Ediketonates: disparate magnetocaloric effects and single-molecule magnet behaviours. <i>Dalton Transactions</i> , 2021 , 50, 12931-12943	4.3	9
45	Two linear-shaped Gd ₄ clusters based on a multidentate ligand: Synthesis, structures, and magnetic refrigeration. <i>Polyhedron</i> , 2019 , 169, 247-252	2.7	8
44	Structures, luminescent properties and magnetic refrigeration of two series of Ln ₂ III compounds. <i>Polyhedron</i> , 2019 , 166, 141-145	2.7	8
43	One new planar Dy ₄ compound: Synthesis, structure and its magnetic dynamics behaviors. <i>Polyhedron</i> , 2017 , 137, 265-269	2.7	8
42	Magnetic refrigeration and single-molecule magnet behavior of two rhombus-shaped Ln(III) ₄ (Ln = Gd, Dy) clusters. <i>Polyhedron</i> , 2019 , 158, 365-370	2.7	8
41	Two dinuclear lanthanide(III) clusters (Gd ₂ and Dy ₂) constructed by bis-(o-vanillin) schiff base ligand exhibiting fascinating magnetic behaviors. <i>Polyhedron</i> , 2019 , 166, 23-27	2.7	7
40	A series of rhombus-shaped Ln ₄ clusters: Syntheses, structures, luminescence properties and the SMM behavior of the Dy ₄ analogue. <i>Polyhedron</i> , 2018 , 150, 92-96	2.7	7
39	Two new coplanar tetranuclear lanthanide complexes (Ln = Gd(III) and Dy(III)) with magnetic refrigeration and slow magnetic relaxation behaviors. <i>Polyhedron</i> , 2018 , 151, 355-359	2.7	6
38	A novel Dy ₄ III cluster constructed by a multidentate 8-hydroxyquinoline Schiff base ligand: Structure and slow magnetic relaxation behavior. <i>Inorganic Chemistry Communication</i> , 2020 , 112, 107691 ^{3.1}	3.1	6
37	Synthesis of two lanthanide clusters Ln ₄ III (Gd ₄ and Dy ₄) with [2x2] square grid shape: Magnetocaloric effect and slow magnetic relaxation behaviors. <i>Journal of Rare Earths</i> , 2021 , 39, 1082-1088	3.7	6
36	Non-Noble-Metal Metal-Organic-Framework-Catalyzed Carboxylative Cyclization of Propargylic Amines with Atmospheric Carbon Dioxide under Ambient Conditions. <i>Inorganic Chemistry</i> , 2021 , 60, 13425-13433	5.1	6
35	Synthesis, structure and slow magnetic relaxation of a linear Ho ₄ cluster. <i>Inorganic Chemistry Communication</i> , 2018 , 96, 52-55	3.1	5
34	A novel terbium metal-organic framework for luminescence sensing of pyridine: Synthesis, structure, selectivity, sensitivity and recyclability. <i>Journal of Rare Earths</i> , 2020 , 38, 1231-1236	3.7	5
33	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
32	An Ultrastable Matryoshka [Hf ₁₃] Nanocluster as a Luminescent Sensor [Hf] for Concentrated Alkali and Acid. <i>Angewandte Chemie</i> , 2019 , 131, 16763-16769	3.6	4

31	Highly efficient hydroboration of alkynes catalyzed by porous copper-organic framework under mild conditions. <i>Journal of Catalysis</i> , 2021 , 404, 250-257	7.3	4
30	Solvent-induced two Dy ₂ compounds with different structures showing distinct slow magnetization relaxation behaviors. <i>Polyhedron</i> , 2019 , 160, 139-144	2.7	4
29	Structures, luminescent and magnetic properties of three dinuclear lanthanide complexes: Dysprosium compound displaying slow magnetic relaxation. <i>Polyhedron</i> , 2019 , 157, 530-535	2.7	4
28	Crystal structure and single-molecule magnet behavior of a novel tetranuclear Dy(III)-based cluster. <i>Journal of Molecular Structure</i> , 2021 , 1226, 129373	3.4	4
27	Two LnIII ₄ (LnIII = Gd and Dy) clusters constructed by 8-hydroxyquinoline schiff base and β -diketonate coligand: Magnetic refrigeration property and single-molecule magnet behavior. <i>Inorganica Chimica Acta</i> , 2020 , 502, 119290	2.7	3
26	A novel tetranuclear Gd(III)-based cluster showing larger magnetic refrigeration property. <i>Journal of Molecular Structure</i> , 2020 , 1222, 128906	3.4	3
25	Structure and single-molecule magnet behavior of a rhombus-shaped Dy ₄ cluster. <i>Polyhedron</i> , 2019 , 157, 316-320	2.7	3
24	A novel penta-nuclear cobalt cluster exhibiting slow magnetic relaxation behavior. <i>Journal of Molecular Structure</i> , 2021 , 1223, 129220	3.4	3
23	Multifunctional properties of {CuLn} systems involving nitrogen-rich nitronyl nitroxide: single-molecule magnet behavior, luminescence, magnetocaloric effects and heat capacity. <i>Dalton Transactions</i> , 2021 , 50, 2854-2863	4.3	3
22	Two phenoxo-O bridged dinuclear Dy(III) complexes exhibiting distinct slow magnetic relaxation induced by different β -diketonate ligands. <i>Inorganica Chimica Acta</i> , 2020 , 505, 119499	2.7	2
21	Modulating SMM behaviors in phenoxo-O bridged Dy ₂ compounds via different β -diketonate. <i>Inorganica Chimica Acta</i> , 2020 , 507, 119595	2.7	2
20	Solvent-driven structures and slow magnetic relaxation behaviors of dinuclear dysprosium clusters. <i>Inorganica Chimica Acta</i> , 2020 , 500, 119242	2.7	2
19	Structures and magnetic properties of two dinuclear lanthanide complexes based on 8-hydroxyquinoline Schiff base derivatives. <i>Journal of Molecular Structure</i> , 2021 , 1232, 130070	3.4	2
18	A New Planar Hexanuclear Dysprosium Cluster Exhibiting Slow Magnetic Relaxation Features. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019 , 645, 1291-1295	1.3	2
17	A rhombic shaped {GdIII ₂ CoII ₂ } heterometallic cluster exhibiting larger cryogenic magnetocaloric effect. <i>Inorganica Chimica Acta</i> , 2021 , 514, 120020	2.7	2
16	Structure, fluorescence properties and slow magnetic relaxation of Dy ₂ and Tb ₄ clusters. <i>Journal of Molecular Structure</i> , 2021 , 1227, 129510	3.4	2
15	Larger magnetocaloric effect and single molecule magnet behavior in dinuclear Ln(III)-based compounds constructed from Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2021 , 528, 120631	2.7	2
14	Two Ln(III) ₂ (Ln = Gd and Dy) compounds showing magnetic refrigeration and slow magnetic relaxation. <i>Journal of Molecular Structure</i> , 2020 , 1210, 127997	3.4	1

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| 13 | A phenoxo-O bridged Dy ₂ compound showing two-step magnetic relaxation processes behavior. <i>Inorganic Chemistry Communication</i> , 2020 , 115, 107845 | 3.1 | 1 |
| 12 | Luminescent and magnetic properties of two copper iodide cluster based lanthanide organic frameworks. <i>Inorganica Chimica Acta</i> , 2020 , 506, 119536 | 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 | A novel heterometallic [Gd ^{III} ₂ Mn ^{II} ₂] cluster displaying larger cryogenic magnetocaloric effect. <i>Polyhedron</i> , 2020 , 191, 114808 | 2.7 | 1 |
| 9 | Two novel tetranuclear lanthanide complexes (Ln = Tb(III) and Dy(III)) with luminescence and slow magnetic relaxation behaviors. <i>Polyhedron</i> , 2019 , 157, 292-296 | 2.7 | 1 |
| 8 | Two lanthanide-based dinuclear clusters (Gd ₂ and Dy ₂) with Schiff base derivatives: Synthesis, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , 2021 , 514, 120015 | 2.7 | 1 |
| 7 | Structures, luminescence properties and single-molecule magnet behavior of four dinuclear lanthanide compounds. <i>Journal of Molecular Structure</i> , 2021 , 1245, 131010 | 3.4 | 1 |
| 6 | Construction of two Ln(III) ₂ (Ln = Dy and Er) compounds by a polydentate Schiff-based ligand: structure and remarkable single-molecule magnet behaviour. <i>Journal of Molecular Structure</i> , 2022 , 133072 | 3.4 | 1 |
| 5 | Three Ln ₂ compounds (Gd ₂ , Tb ₂ and Dy ₂) with a Ln ₂ O ₂ center showing magnetic refrigeration property and single-molecular magnet behavior. <i>Polyhedron</i> , 2022 , 215, 115675 | 2.7 | 0 |
| 4 | Structures and magnetic properties of acyloxy-O bridged Ln ₂ compounds: Gd ₂ compound displaying magnetic refrigeration property. <i>Journal of Molecular Structure</i> , 2021 , 1233, 129984 | 3.4 | 0 |
| 3 | Innentitelbild: A Semi-Conductive Copper Organic Framework with Two Types of Photocatalytic Activity (Angew. Chem. 16/2016). <i>Angewandte Chemie</i> , 2016 , 128, 4922-4922 | 3.6 | |
| 2 | Structures and magnetic properties of rhombus-shaped tetranuclear [Ln ₄] clusters: Dy ₄ cluster displaying single molecule magnet behavior. <i>Journal of Molecular Structure</i> , 2021 , 1228, 129753 | 3.4 | |
| 1 | Magnetic refrigeration and luminescent sensing properties of two porous heterometallic lanthanide-copper metal-organic frameworks. <i>Inorganic Chemistry Communication</i> , 2021 , 132, 108840 | 3.1 | |