

# Wen-Min Wang

## List of Publications by Citations

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49  
papers

1,535  
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38  
g-index

50  
ext. papers

1,795  
ext. citations

3.8  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
49	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> , <b>2015</b> , 54, 10610-22	5.1	155
48	Modulating single-molecule magnet behaviour of phenoxo-O bridged lanthanide(III) dinuclear complexes by using different $\beta$ -diketonate coligands. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 133-141	6.8	116
47	Self-assembly of tetra-nuclear lanthanide clusters via atmospheric CO <sub>2</sub> fixation: interesting solvent-induced structures and magnetic relaxation conversions. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 2346-2354	6.8	102
46	Modulating single-molecule magnet behavior towards multiple magnetic relaxation processes through structural variation in Dy <sub>4</sub> clusters. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 1876-1885	6.8	99
45	Structures and magnetic properties of several phenoxo-O bridged dinuclear lanthanide complexes: Dy derivatives displaying substituent dependent magnetic relaxation behavior. <i>Dalton Transactions</i> , <b>2016</b> , 45, 8182-91	4.3	88
44	Linear-shaped Ln and Ln clusters constructed by a polydentate Schiff base ligand and a $\beta$ -diketone co-ligand: structures, fluorescence properties, magnetic refrigeration and single-molecule magnet behavior. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16744-16755	4.3	64
43	Butterfly-shaped tetranuclear Ln <sub>4</sub> clusters showing magnetic refrigeration and single molecule-magnet behavior. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 14949-14955	3.6	54
42	Multiple magnetic relaxation processes, magnetocaloric effect and fluorescence properties of rhombus-shaped tetranuclear rare earth complexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 253-64	4.3	53
41	A series of [2 × 2] square grid LnIII <sub>4</sub> clusters: a large magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 7419-7426	3.6	49
40	Butterfly shaped tetranuclear dysprosium compound displaying slow magnetic relaxation features. <i>Polyhedron</i> , <b>2017</b> , 126, 282-286	2.7	44
39	A Dy <sub>4</sub> single-molecule magnet and its Gd(iii), Tb(iii), Ho(iii), and Er(iii) analogues encapsulated by an 8-hydroxyquinoline Schiff base derivative and $\beta$ -diketonate coligand. <i>Dalton Transactions</i> , <b>2017</b> , 46, 4669-4677	4.2	44
38	Fine-tuning the magnetocaloric effect and SMMs behaviors of coplanar RE <sub>4</sub> complexes by $\beta$ -diketonate coligands. <i>Inorganic Chemistry Frontiers</i> , <b>2017</b> , 4, 860-870	6.8	40
37	A series of planar tetranuclear lanthanide complexes: axial ligand modulated magnetic dynamics in Dy <sub>4</sub> species. <i>RSC Advances</i> , <b>2017</b> , 7, 55523-55535	3.7	38
36	Four tetra-nuclear lanthanide complexes based on 8-hydroxyquinolin derivatives: magnetic refrigeration and single-molecule magnet behaviour. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 11847-11853	3.6	35
35	Tetranuclear lanthanide complexes showing magnetic refrigeration and single molecule magnet behavior. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 8067-8074	3.6	32
34	Lanthanide-directed fabrication of three phenoxo-O bridged dinuclear compounds showing magnetic refrigeration and single-molecule magnet behavior. <i>Polyhedron</i> , <b>2018</b> , 142, 43-48	2.7	32
33	Single-Molecule-Magnet Behavior and Fluorescence Properties of 8-Hydroxyquinolate Derivative-Based Rare-Earth Complexes. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8898-904	5.1	31

32	Synthesis, luminescence and magnetic properties of tetranuclear lanthanide-based (Eu <sub>4</sub> , Gd <sub>4</sub> and Dy <sub>4</sub> ) clusters. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 18305-18311	3.6	31
31	Large magnetocaloric effect and remarkable single-molecule-magnet behavior in triangle-assembled LnIII <sub>6</sub> clusters. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 16639-16646	3.6	30
30	Two Gd <sub>2</sub> compounds constructed by 8-hydroxyquinoline Schiff base ligands: Synthesis, structure, and magnetic refrigeration. <i>Inorganic Chemistry Communication</i> , <b>2017</b> , 79, 8-11	3.1	29
29	Structures, fluorescence properties and magnetic properties of a series of rhombus-shaped LnIII <sub>4</sub> clusters: magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 12941-12949	3.6	29
28	Structures, luminescence properties, magnetocaloric effect and slow magnetic relaxation of three Ln (III) complexes based on 8-hydroxyquinoline Schiff-base ligand. <i>Polyhedron</i> , <b>2017</b> , 133, 119-124	2.7	28
27	Luminescence and magnetocaloric effect of Ln <sub>4</sub> clusters (Ln = Eu, Gd, Tb, Er) bridged by CO <sub>3</sub> <sup>2-</sup> deriving from the spontaneous fixation of carbon dioxide in the atmosphere. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 394-402	6.8	28
26	Modulating single-molecule magnet behaviors of Dy <sub>4</sub> III clusters through utilizing two different Ediketonate coligands. <i>Polyhedron</i> , <b>2019</b> , 160, 272-278	2.7	28
25	Modulating the single-molecule magnet behaviour in phenoxo-O bridged Dy <sub>2</sub> systems via subtle structural variations. <i>Journal of Solid State Chemistry</i> , <b>2017</b> , 253, 154-160	3.3	27
24	Windmill-shaped LnIII <sub>4</sub> (LnIII = Gd and Dy) clusters: magnetocaloric effect and single-molecule-magnet behavior. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 4631-4638	3.6	27
23	Two Ln <sub>4</sub> clusters based complexes exhibiting magnetocaloric effect and magnetic dynamics behaviors. <i>Polyhedron</i> , <b>2018</b> , 146, 161-165	2.7	24
22	Modulation of the relaxation dynamics of linear-shaped tetranuclear rare-earth clusters through utilizing different solvents. <i>Dalton Transactions</i> , <b>2016</b> , 45, 19117-19126	4.3	21
21	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> , <b>2020</b> , 59, 15111-15119	5.1	20
20	Modulation of magnetic relaxation behaviors via replacing coordinated solvents in a series of linear tetranuclear Dy <sub>4</sub> complexes. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 8494-8502	3.6	15
19	Two rhombus-shaped tetranuclear gadolinium clusters showing magnetic refrigeration. <i>Polyhedron</i> , <b>2018</b> , 147, 126-130	2.7	15
18	Two LnIII <sub>4</sub> (Ln = DyIII and GdIII) clusters showing single molecule magnet behavior and magnetic refrigeration. <i>Polyhedron</i> , <b>2018</b> , 154, 480-485	2.7	15
17	Construction of a family of Ln <sub>3</sub> clusters using multidentate Schiff base and Ediketonate ligands: fluorescence properties, magnetocaloric effect and slow magnetic relaxation. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9230-9237	3.6	14
16	Structures and magnetic properties of novel Ln(III)-based pentanuclear clusters: magnetic refrigeration and single-molecule magnet behavior. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 19351-19359	3.6	13
15	Structures, magnetic refrigeration and single molecule-magnet behavior of five rhombus-shaped tetranuclear Ln(III)-based clusters. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10266-10274	3.6	12

14	A Porous Copper-Organic Framework Assembled by [Cu] Nanocages: Highly Efficient CO Capture and Chemical Fixation and Theoretical DFT Calculations. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 9122-9131	5.1	10
13	Two hexanuclear lanthanide Ln <sub>6</sub> III clusters featuring remarkable magnetocaloric effect and slow magnetic relaxation behavior. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 18025-18030	3.6	9
12	Molecular assemblies from linear-shaped Ln clusters to Ln clusters using different β-diketonates: disparate magnetocaloric effects and single-molecule magnet behaviours. <i>Dalton Transactions</i> , <b>2021</b> , 50, 12931-12943	4.3	9
11	Two linear-shaped Gd <sub>4</sub> clusters based on a multidentate ligand: Synthesis, structures, and magnetic refrigeration. <i>Polyhedron</i> , <b>2019</b> , 169, 247-252	2.7	8
10	A novel tetranuclear Gd(III)-based cluster showing larger magnetic refrigeration property. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1222, 128906	3.4	3
9	Multifunctional properties of {CuLn} systems involving nitrogen-rich nitronyl nitroxide: single-molecule magnet behavior, luminescence, magnetocaloric effects and heat capacity. <i>Dalton Transactions</i> , <b>2021</b> , 50, 2854-2863	4.3	3
8	Structures and magnetic properties of two dinuclear lanthanide complexes based on 8-hydroxyquinoline Schiff base derivatives. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1232, 130070	3.4	2
7	A New Planar Hexanuclear Dysprosium Cluster Exhibiting Slow Magnetic Relaxation Features. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2019</b> , 645, 1291-1295	1.3	2
6	A rhombic shaped {Gd <sub>4</sub> III <sub>2</sub> Co <sub>2</sub> II <sub>2</sub> } heterometallic cluster exhibiting larger cryogenic magnetocaloric effect. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 514, 120020	2.7	2
5	Structure, fluorescence properties and slow magnetic relaxation of Dy <sub>2</sub> and Tb <sub>4</sub> clusters. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1227, 129510	3.4	2
4	Two lanthanide-based dinuclear clusters (Gd <sub>2</sub> and Dy <sub>2</sub> ) with Schiff base derivatives: Synthesis, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 514, 120015	2.7	1
3	Construction of two Ln(III) <sub>2</sub> (Ln = Dy and Er) compounds by a polydentate Schiff-based ligand: structure and remarkable single-molecule magnet behaviour. <i>Journal of Molecular Structure</i> , <b>2022</b> , 133072 <sup>†</sup>	2.7	1
2	Three Ln <sub>2</sub> compounds (Gd <sub>2</sub> , Tb <sub>2</sub> and Dy <sub>2</sub> ) with a Ln <sub>2</sub> O <sub>2</sub> center showing magnetic refrigeration property and single-molecular magnet behavior. <i>Polyhedron</i> , <b>2022</b> , 215, 115675	2.7	0
1	Structures and magnetic properties of rhombus-shaped tetranuclear [Ln <sub>4</sub> ] clusters: Dy <sub>4</sub> cluster displaying single molecule magnet behavior. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1228, 129753	3.4	