

Guo-Zhang Huang

List of Publications by Year in descending order

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49
papers

1,049
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331670

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454955

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all docs

52
docs citations

52
times ranked

887
citing authors

#	ARTICLE	IF	CITATIONS
1	Desolvation-Driven 100-Fold Slow-down of Tunneling Relaxation Rate in Co(II)-Dy(III) Single-Molecule Magnets through a Single-Crystal-to-Single-Crystal Process. <i>Scientific Reports</i> , 2015, 5, 16621.	3.3	84
2	A square antiprism dysprosium single-ion magnet with an energy barrier over 900 K. <i>Chemical Communications</i> , 2019, 55, 9939-9942.	4.1	62
3	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Mono-Decker to Double-Decker Metallacrown. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5299-5306.	13.8	62
4	Isolation of a Perfectly Linear Uranium(II) Metallocene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2299-2303.	13.8	60
5	Cyanometallate-Bridged Didysprosium Single-Molecule Magnets Constructed with Single-Ion Magnet Building Block. <i>Inorganic Chemistry</i> , 2020, 59, 687-694.	4.0	59
6	Hysteretic four-step spin-crossover in a 3D Hofmann-type metal-organic framework with aromatic guest. <i>Chemical Communications</i> , 2019, 55, 11033-11036.	4.1	47
7	Spin-crossover modulation <i>via</i> single-crystal to single-crystal photochemical [2 + 2] reaction in Hofmann-type frameworks. <i>Chemical Science</i> , 2019, 10, 7496-7502.	7.4	46
8	Guest-Driven Light-Induced Spin Change in an Azobenzene Loaded Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27144-27150.	13.8	39
9	Cyclic OFF/Part/ON switching of single-molecule magnet behaviours <i>via</i> multistep single-crystal-to-single-crystal transformation between discrete Fe(II)-Dy(III) complexes. <i>Chemical Communications</i> , 2018, 54, 10886-10889.	4.1	37
10	Field-induced oscillation of magnetization blocking barrier in a holmium metallacrown single-molecule magnet. <i>Chem</i> , 2021, 7, 982-992.	11.7	36
11	Asymmetric seven-/eight-step spin-crossover in a three-dimensional Hofmann-type metal-organic framework. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1685-1690.	6.0	33
12	Light- and temperature-assisted spin state annealing: accessing the hidden multistability. <i>Chemical Science</i> , 2020, 11, 3281-3289.	7.4	33
13	Ferroelasticity, thermochromism, semi-conductivity, and ferromagnetism in a new layered perovskite: (4-fluorophenethylammonium) ₂ [CuCl ₄]. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5482-5488.	5.5	31
14	The substituent guest effect on four-step spin-crossover behavior. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 911-917.	6.0	30
15	Chiral Erbium(III) Complexes: Single-Molecule Magnet Behavior, Chirality, and Nuclearity Control. <i>Inorganic Chemistry</i> , 2019, 58, 10694-10703.	4.0	29
16	Seeking magneto-structural correlations in easily tailored pentagonal bipyramid Dy(III) single-ion magnets. <i>Science China Chemistry</i> , 2020, 63, 1066-1074.	8.2	29
17	Discovery of a Dysprosium Metallocene Single-Molecule Magnet with Two High-Temperature Orbach Processes. <i>Inorganic Chemistry</i> , 2022, 61, 6017-6025.	4.0	28
18	Enhancing single-molecule magnet behavior of linear CoII-DyIII-CoII complex by introducing bulky diamagnetic moiety. <i>Science China Chemistry</i> , 2018, 61, 1399-1404.	8.2	24

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19	Slow magnetic relaxation in a {EuCu ₅ } metallacrown. Dalton Transactions, 2019, 48, 1686-1692.	3.3	24
20	Building Block and Directional Bonding Approaches for the Synthesis of {DyMn ₄ } _n (<i>n</i> = 2, 3) Metallacrown Assemblies. Crystal Growth and Design, 2019, 19, 1896-1902.	3.0	23
21	A perfect triangular dysprosium single-molecule magnet with virtually antiparallel Ising-like anisotropy. Inorganic Chemistry Frontiers, 2020, 7, 2941-2948.	6.0	23
22	Facile Synthesis of a Fluorinated Squaramide Covalent Organic Framework for the Highly Efficient and Broad Spectrum Removal of Per- and Polyfluoroalkyl Pollutants. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
23	Spin-crossover in an organic-inorganic hybrid perovskite. Chemical Communications, 2020, 56, 4551-4554.	4.1	18
24	Reversible on-off switching of spin-crossover behavior via photochemical [2+2] cycloaddition reaction. Science China Chemistry, 2022, 65, 120-127.	8.2	15
25	Evolution of Slow Magnetic Relaxation: from Diamagnetic Matrix Y(OH)CO ₃ to Dy _{0.06} Y _{0.94} (OH)CO ₃ with High Spin-Reversal Barrier and Blocking Temperature. Inorganic Chemistry, 2016, 55, 3145-3150.	4.0	13
26	Sensitive magnetic-field-response magnetization dynamics in a one-dimensional dysprosium coordination polymer. Inorganic Chemistry Frontiers, 2021, 8, 4657-4665.	6.0	13
27	Lanthanide clusters of phenanthroline containing a pyridine-pyrazole based ligand: magnetism and cell imaging. Dalton Transactions, 2021, 50, 3593-3609.	3.3	13
28	A breathing chiral molecular solid for enantioseparation via single-crystal-to-single-crystal transformation. Science Bulletin, 2015, 60, 447-452.	9.0	11
29	Magnetization Dynamics on Isotope-Isomorphic Holmium Single-Molecule Magnets. Angewandte Chemie - International Edition, 2021, 60, 27282.	13.8	10
30	Supertetrahedral T ₂ clusters in 3d-4f {Fe ₄ Ln ₆ }: Synthesis, crystal structure, magnetic and photoluminescent properties. Inorganica Chimica Acta, 2018, 482, 240-245.	2.4	9
31	Reversible step spin crossover modulation <i>via</i> water absorption and dehydration in a 3D Hofmann-type framework. Inorganic Chemistry Frontiers, 2021, 8, 4334-4340.	6.0	9
32	Opening Magnetic Hysteresis by Axial Ferromagnetic Coupling: From Mono-Decker to Double-Decker Metallacrown. Angewandte Chemie, 2021, 133, 5359-5366.	2.0	8
33	Multiresponsive Spin Crossover Driven by Rotation of Tetraphenylborate Anion in an Iron(III) Complex. CCS Chemistry, 2021, 3, 453-459.	7.8	8
34	Synergistic Experimental and Theoretical Studies of Luminescent-Magnetic Ln ₂ Zn ₆ Clusters. Inorganic Chemistry, 2022, 61, 2141-2153.	4.0	8
35	Field-induced dynamic magnetic behaviour of a canted weak ferromagnetic chain material. Inorganic Chemistry Frontiers, 2015, 2, 403-408.	6.0	7
36	Slow magnetic dynamics in centrosymmetric didysprosium and equilateral triangular tridysprosium molecules. Dalton Transactions, 2020, 49, 4164-4171.	3.3	7

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37	A high-performance dysprosium(III) single-ion magnet with quasi-Oh symmetry. Inorganic Chemistry Communication, 2021, 132, 108807.	3.9	6
38	Modulation of Slow Magnetic Relaxation for Tb(III)-Metallacrown Complexes by Controlling Axial Halide Coordination. Acta Chimica Sinica, 2020, 78, 412.	1.4	5
39	Guest-Driven Light-Induced Spin Change in an Azobenzene Loaded Metal-Organic Framework. Angewandte Chemie, 2021, 133, 27350-27356.	2.0	5
40	Single-Crystal to Single-Crystal Transformation of a Spin-Crossover Hybrid Perovskite via Thermal-Induced Cyanide Linkage Isomerization. Inorganic Chemistry, 2022, 61, 9047-9054.	4.0	5
41	Isolation of a Perfectly Linear Uranium(II) Metallocene. Angewandte Chemie, 2020, 132, 2319-2323.	2.0	4
42	Tuning luminescence of didysprosium single-molecule magnets with a π -conjugated/non-conjugated bridging ligand. Dalton Transactions, 2021, 50, 6778-6783.	3.3	4
43	A spin-crossover phenomenon in a 2D heterometallic coordination polymer with $[Pd(SCN)_4]^{2+}$ building blocks. Dalton Transactions, 2021, 50, 4152-4158.	3.3	4
44	Opening magnetic hysteresis <i>via</i> improving the planarity of equatorial coordination by hydrogen bonding. Dalton Transactions, 2022, 51, 7986-7996.	3.3	4
45	Fascinating interlocked triacontanuclear giant nanocages. Chemical Communications, 2021, 57, 11177-11180.	4.1	2
46	Facile Synthesis of a Fluorinated Squaramide Covalent Organic Framework for the Highly Efficient and Broad Spectrum Removal of Per- and Polyfluoroalkyl Substances. Angewandte Chemie, 0, , .	2.0	2
47	Magnetization Dynamics on Isotope-Isomorphic Holmium Single-Molecule Magnets. Angewandte Chemie, 0, , .	2.0	1
48	Correction to π -Building Block and Directional Bonding Approaches for the Synthesis of $\{DyMn_4\}_n$ ($n = 2, 3$) Metallacrown Assemblies: Crystal Growth and Design, 2020, 20, 4200-4200.	3.0	0
49	Innentitelbild: Magnetization Dynamics on Isotope-Isomorphic Holmium Single-Molecule Magnets (Angew. Chem. 52/2021). Angewandte Chemie, 2021, 133, 27074-27074.	2.0	0