

Jian-Hua Jia

List of Publications by Year in descending order

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papers

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218592

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#	ARTICLE	IF	CITATIONS
1	A Stable Pentagonal Bipyramidal Dy(III) Single-Ion Magnet with a Record Magnetization Reversal Barrier over 1000 K. <i>Journal of the American Chemical Society</i> , 2016, 138, 5441-5450.	6.6	904
2	Luminescent single-molecule magnets based on lanthanides: Design strategies, recent advances and magneto-luminescent studies. <i>Coordination Chemistry Reviews</i> , 2019, 378, 365-381.	9.5	272
3	High-Nuclearity Silver Clusters Templated by Carbonates Generated from Atmospheric Carbon Dioxide Fixation. <i>Journal of the American Chemical Society</i> , 2009, 131, 3422-3423.	6.6	159
4	Intensely Luminescent Gold(I)~Silver(I) Cluster with Hypercoordinated Carbon. <i>Journal of the American Chemical Society</i> , 2009, 131, 16634-16635.	6.6	147
5	A brilliant cryogenic magnetic coolant: magnetic and magnetocaloric study of ferromagnetically coupled GdF ₃ . <i>Journal of Materials Chemistry C</i> , 2015, 3, 12206-12211.	2.7	134
6	A zigzag Dy ^{III} ₄ cluster exhibiting single-molecule magnet, ferroelectric and white-light emitting properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8858-8864.	2.7	107
7	Multifunctional Dy ^{III} ₄ Cluster Exhibiting White-Emitting, Ferroelectric and Single-Molecule Magnet Behavior. <i>Chemistry - A European Journal</i> , 2013, 19, 8769-8773.	1.7	96
8	Dynamic Magnetic and Optical Insight into a High Performance Pentagonal Bipyramidal Dy ^{III} Single-Ion Magnet. <i>Chemistry - A European Journal</i> , 2017, 23, 5708-5715.	1.7	96
9	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.	1.6	84
10	~Half-sandwich~Yb ^{III} single-ion magnets with metallocrowns. <i>Chemical Communications</i> , 2015, 51, 10291-10294.	2.2	83
11	Solvent-induced intercluster rearrangements and the reversible luminescence responses in sulfide bridged gold(i)~silver(i) clusters. <i>Chemical Communications</i> , 2012, 48, 8691.	2.2	63
12	Modulation of single-molecule magnet behaviour via photochemical [2+2] cycloaddition. <i>Chemical Communications</i> , 2015, 51, 15358-15361.	2.2	61
13	Single-Molecule-Magnet Behavior in a [2 Å– 2] Grid Dy ^{III} ₄ Cluster and a Dysprosium-Doped Y ^{III} ₄ Cluster. <i>Inorganic Chemistry</i> , 2015, 54, 8087-8092.	1.9	60
14	A luminescent gold(i)~copper(i) cluster with unprecedented carbon-centered trigonal prismatic hexagold. <i>Chemical Communications</i> , 2011, 47, 4739.	2.2	58
15	Unprecedented hexagonal bipyramidal single-ion magnets based on metallocrowns. <i>Chemical Communications</i> , 2016, 52, 13365-13368.	2.2	54
16	Fluorescent single-ion magnets: molecular hybrid (HNEt ₃)[Dy _x Yb _{1-x} (bpyda) ₂] (x = 0.135~1). <i>Dalton Transactions</i> , 2013, 42, 11262.	1.6	48
17	A Piezochromic Dysprosium(III) Single-Molecule Magnet Based on an Aggregation-Induced-Emission-Active Tetraphenylethene Derivative Ligand. <i>Inorganic Chemistry</i> , 2017, 56, 8730-8734.	1.9	44
18	[2 + 2] Photochemical modulation of the Dy(ⁱⁱⁱ) single-molecule magnet: opposite influence on the energy barrier and relaxation time. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1311-1318.	3.0	42

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19	Effect of Bridging Ligands on Magnetic Behavior in Dinuclear Dysprosium Cores Supported by Polyoxometalates. <i>Inorganic Chemistry</i> , 2019, 58, 1301-1308.	1.9	42
20	Lanthanide Oxide Clusters: From Tetrahedral $[Dy_4(\mu_4-O)]^{10+}$ to Supertetrahedral $[Ln_{20}(\mu_4-O)_4]^{38+}$ (Ln=Tb, Dy, Ho, Er). <i>Chemistry - A European Journal</i> , 2013, 19, 12254-12258.	1.7	41
21	pH-Controlled Assembly of Organophosphonate-Bridged Dysprosium(III) Single-Molecule Magnets Based on Polyoxometalates. <i>Inorganic Chemistry</i> , 2018, 57, 6773-6777.	1.9	39
22	Cyclic OFF/Part/ON switching of single-molecule magnet behaviours via multistep single-crystal-to-single-crystal transformation between discrete $Fe(II) \leftrightarrow Dy(III)$ complexes. <i>Chemical Communications</i> , 2018, 54, 10886-10889.	2.2	37
23	Lanthanoid single-ion magnets with the LnN_{10} coordination geometry. <i>Chemical Communications</i> , 2016, 52, 6261-6264.	2.2	32
24	Diastereoselective synthesis of O symmetric heterometallic cubic cages. <i>Chemical Communications</i> , 2015, 51, 3804-3807.	2.2	31
25	Efficient enhancement of magnetic anisotropy by optimizing the ligand-field in a typically tetranuclear dysprosium cluster. <i>Dalton Transactions</i> , 2015, 44, 8150-8155.	1.6	29
26	Magnetic $3d \leftrightarrow 4f$ Chiral Clusters Showing Multimetal Site Magneto-Chiral Dichroism. <i>Journal of the American Chemical Society</i> , 2022, 144, 8837-8847.	6.6	28
27	Supramolecular Assembly of An Organoplatinum(II) Complex with Ratiometric Dual Emission for Two-Photon Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4150-4157.	7.2	24
28	Crystallographic and Computational Studies of Luminescent, Binuclear Gold(I) Complexes, $Au_2(Ph)_2P(CH_2)_2(PPh_2)_2$ ($n = 3 \leftrightarrow 6$). <i>Inorganic Chemistry</i> , 2013, 52, 823-831.	1.2	23
29	A wheel-shaped $Dy(III)$ single-molecule magnet supported by polyoxotungstates. <i>Dalton Transactions</i> , 2017, 46, 16796-16801.	1.6	21
30	Controllable Self-Assembly of Two Luminescent Silver(I) Metal-Organic Frameworks Bearing a Tetradentate Ligand. <i>Crystal Growth and Design</i> , 2014, 14, 4674-4680.	1.4	17
31	Construction of lanthanide single-molecule magnets with the α -magnetic motif $[Dy(MQ)_4]^{9+}$. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1776-1782.	3.0	16
32	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. <i>Inorganic Chemistry</i> , 2016, 55, 3145-3150.	1.9	13
33	Enantiopure Magnetic Heterometallic Coordination Cubic Cages $[M^{II}_8Cu^{II}_6]$ (M = Ni, Co). <i>Crystal Growth and Design</i> , 2018, 18, 4555-4561.	1.4	13
34	Sensitive magnetic-field-response magnetization dynamics in a one-dimensional dysprosium coordination polymer. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4657-4665.	3.0	13
35	Tunable Magnetization Dynamics through Solid-State Ligand Substitution Reaction. <i>Inorganic Chemistry</i> , 2017, 56, 8829-8836.	1.9	11
36	2D and 3D metal-organic frameworks constructed with a mechanically rigidified [3]rotaxane ligand. <i>Chemical Communications</i> , 2022, 58, 5829-5832.	2.2	7

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37	Metal Ion Induced In Situ Ligand Oxidation for Self-Assembled Clusters: from Bis(5-(2-pyridineyl)-1,2,4-triazole-3-yl)methane to Alcohol or Ketone. Chemistry - an Asian Journal, 2017, 12, 2172-2176.		
38	Supramolecular Assembly of An Organoplatinum(II) Complex with Ratiometric Dual Emission for Two-Photon Bioimaging. Angewandte Chemie, 2021, 133, 4196-4203.	1.6	6
39	Dynamic Magnetic and Optical Insight into a High-Performance Pentagonal Bipyramidal Dy ^{III} Single-Ion Magnet. Chemistry - A European Journal, 2017, 23, 5630-5630.	1.7	4
40	Bulky Thiolate-Protected Silver Nanocluster Ag ₂₁₃ (Adm-S) ₄₄ Cl ₃₃ with Excellent Electrocatalytic Performance toward Oxygen Reduction. CCS Chemistry, 2023, 5, 1154-1162.	4.6	4