

Dan Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4996-5000.	13.8	173
2	Efficient and stable noble-metal-free catalyst for acidic water oxidation. <i>Nature Communications</i> , 2022, 13, 2294.	12.8	89
3	Predicting intersystem crossing efficiencies of organic molecules for efficient thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9523-9530.	5.5	52
4	Coordination polymers constructed by 1,3-bis(4-pyridyl)propane with four different conformations and 2,2'-dinitro-4,4'-biphenyldicarboxylate ligands: the effects of metal ions. <i>CrystEngComm</i> , 2011, 13, 1291-1298.	2.6	51
5	Transitions of two magnetic interaction states in dinuclear Dy(III) complexes via subtle structural variations. <i>Dalton Transactions</i> , 2017, 46, 638-642.	3.3	47
6	An organolanthanide(III) single-molecule magnet with an axial crystal-field: influence of the Raman process over the slow relaxation. <i>Chemical Communications</i> , 2017, 53, 4706-4709.	4.1	43
7	Ferromagnetic Properties of Y-Doped AlN Nanorods. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15574-15577.	3.1	38
8	Constructing octa- and hexadecanuclear manganese clusters from tetrahedral Mn(III)Mn(II) cores bridged by quinque-dentate Schiff base and versatile azide groups. <i>Dalton Transactions</i> , 2010, 39, 5504.	3.3	38
9	An unusual mechanism of building up of a high magnetization blocking barrier in an octahedral alkoxide Dy ³⁺ -based single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 1166-1174.	6.0	37
10	Tunable Linearity of High-Performance Vertical Dual-Gate vdW Phototransistors. <i>Advanced Materials</i> , 2021, 33, e2008080.	21.0	36
11	Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet. <i>Angewandte Chemie</i> , 2017, 129, 5078-5082.	2.0	31
12	An Inconspicuous Six-Coordinate Neutral Dy ^{III} Single-Ion Magnet with Remarkable Magnetic Anisotropy and Stability. <i>Inorganic Chemistry</i> , 2020, 59, 7158-7166.	4.0	31
13	Dihalogen edge-modification: an effective approach to realize the half-metallicity and metallicity in zigzag silicon carbon nanoribbons. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7836-7850.	5.5	28
14	Design and construction of coordination polymers by 2,2'-dinitro-4,4'-biphenyldicarboxylate and imidazole-based ligands: diverse structures based on different metal ions. <i>CrystEngComm</i> , 2011, 13, 2457.	2.6	26
15	Synthesis of graphene oxide functionalized surface-imprinted polymer for the preconcentration of tetracycline antibiotics. <i>RSC Advances</i> , 2016, 6, 11742-11748.	3.6	26
16	Pillarene functionalized polymer monolithic column for the solid-phase microextraction preconcentration of parabens. <i>RSC Advances</i> , 2014, 4, 49153-49160.	3.6	24
17	Introducing the Triangular Defect to Effectively Engineer the Wide Band Gap of Boron Nitride Nanoribbons with Zigzag and Even Armchair Edges. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12880-12889.	3.1	20
18	Preparation of a monolith functionalized with zinc oxide nanoparticles and its application in the enrichment of fluoroquinolone antibiotics. <i>Journal of Separation Science</i> , 2015, 38, 134-140.	2.5	15

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19	Molecular charge transfer by adsorbing TCNQ/TTF molecules via π - π^* interaction: a simple and effective strategy to modulate the electronic and magnetic behaviors of zigzag SiC nanoribbons. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 941-950.	2.8	14
20	Two Coordination Polymers with Rare Topologies Based on Copper(II) and Ligands Generated by In Situ Reactions. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 35-38.	2.0	13
21	Dynamical Jahn-Teller effect of fullerene anions. <i>Physical Review B</i> , 2018, 97, .	3.2	13
22	Ferromagnetic kinetic exchange interaction in magnetic insulators. <i>Physical Review Research</i> , 2020, 2, .	3.6	10
23	Poly(glycidyl methacrylate-co-N-methylolacrylamide-co-ethylene dimethacrylate) monolith coupled to high-performance liquid chromatography for the determination of adenosine phosphates in royal jelly. <i>Journal of Separation Science</i> , 2014, 37, 1826-1833.	2.5	8
24	Polymer monolith microextraction coupled to microwave plasma torch-atomic emission spectrometry for the determination of Nd, Eu and Yb in tea samples. <i>Analytical Methods</i> , 2012, 4, 2970.	2.7	7
25	Magnetic investigation in di- and tetranuclear lanthanide complexes. <i>New Journal of Chemistry</i> , 2021, 45, 2200-2207.	2.8	7
26	Design of Fe ^{III} -Ln ^{III} binuclear complexes using compartmental ligands: synthesis, crystal structures, magnetic properties, and <i>ab initio</i> analysis. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10912-10926.	5.5	7
27	Quadratic Jahn-Teller effect of fullerene anions. <i>Physical Review B</i> , 2018, 98, .	3.2	5
28	Dynamical Jahn-Teller effect in the first excited. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26148.	2.0	4
29	Solvothermal Synthesis, Crystal Structures, and Magnetic Properties of Two Organically Templated Iron Sulfates with Chain Structures. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 2681-2685.	1.2	3
30	Innenteilbild: Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet (<i>Angew. Chem.</i> 18/2017). <i>Angewandte Chemie</i> , 2017, 129, 4974-4974.	2.0	1
31	A quasilinear hydrazone-based mononuclear dysprosium compound with C _{4v} symmetry exhibiting field-induced complex magnetic relaxation. <i>New Journal of Chemistry</i> , 2021, 45, 21708-21715.	2.8	1
32	Modulating the relaxation dynamics of the Na ₂ Mn ₃ system <i>via</i> an auxiliary anion change. <i>Dalton Transactions</i> , 2021, 50, 14774-14781.	3.3	0