Yan Duan

List of Publications by Year
in descending order

24 papers	1,142 citations	471509 17 h-index	642732 23 g-index
26 all docs	26 docs citations	26 times ranked	1553 citing authors

#	Article	IF	Citations
1	Enhancing coherence in molecular spin qubits via atomic clock transitions. Nature, 2016, 531, 348-351.	27.8	442
2	Coherent manipulation of three-qubit states in a molecular single-ion magnet. Physical Review B, 2017, 95, .	3.2	88
3	Construction of a General Library for the Rational Design of Nanomagnets and Spin Qubits Based on Mononuclear f-Block Complexes. The Polyoxometalate Case. Inorganic Chemistry, 2014, 53, 9976-9980.	4.0	76
4	A Ferroelectric Iron(II) Spin Crossover Material. Angewandte Chemie - International Edition, 2017, 56, 14052-14056.	13.8	58
5	Visibleâ€Lightâ€Driven Water Oxidation with a Polyoxometalateâ€Complexed Hematite Core of 275â€…Iron Atoms. Angewandte Chemie - International Edition, 2019, 58, 6584-6589.	13.8	51
6	Magnetization Relaxation in a Threeâ€Dimensional Ligated Cobalt Phosphonate Containing Ferrimagnetic Chains. Chemistry - A European Journal, 2011, 17, 3579-3583.	3.3	44
7	Single ion magnets based on lanthanoid polyoxomolybdate complexes. Dalton Transactions, 2016, 45, 16653-16660.	3.3	40
8	Cobalt Clusters with Cubane-Type Topologies Based on Trivacant Polyoxometalate Ligands. Inorganic Chemistry, 2016, 55, 925-938.	4.0	37
9	Quantum coherent spinâ€“electric control in a molecular nanomagnet at clock transitions. Nature Physics, 2021, 17, 1205-1209.	16.7	34
10	Light-induced decarboxylation in a photo-responsive iron-containing complex based on polyoxometalate and oxalato ligands. Chemical Science, 2017, 8, 305-315.	7.4	29
11	Metal carboxylate-phosphonates containing flexible N-donor co-ligands. Dalton Transactions, 2010, 39, 4559.	3.3	28
12	Rational Design of Lanthanoid Singleâ€Ion Magnets: Predictive Power of the Theoretical Models. Chemistry - A European Journal, 2016, 22, 13532-13539.	3.3	28
13	Influence of the covalent grafting of organic radicals to graphene on its magnetoresistance. Journal of Materials Chemistry C, 2013, 1, 4590.	5.5	27
14	Solution-State Catalysis of Visible Light-Driven Water Oxidation by Macroanion-Like Inorganic Complexes of Î³-FeOOH Nanocrystals. ACS Catalysis, 2021, 11, 11385-11395.	11.2	22
15	Spectroscopic Analysis of Vibronic Relaxation Pathways in Molecular Spin Qubit [Ho(W₅O₁₈)₂]^{9â€“}: Sparse Spectra Are Key. Inorganic Chemistry, 2021, 60, 14096-14104.	4.0	22
16	Three-dimensional metal phosphonodicarboxylates with GIS-zeolite topology: syntheses, structures and magnetic studies. Dalton Transactions, 2010, 39, 10631.	3.3	21
17	Hydrogen-bonded networks of [Fe(bpp)₂]²⁺spin crossover complexes and dicarboxylate anions: structural and photomagnetic properties. Dalton Transactions, 2016, 45, 17918-17928.	3.3	17
18	A Ferroelectric Iron(II) Spin Crossover Material. Angewandte Chemie, 2017, 129, 14240-14244.	2.0	17

#	Article	IF	Citations
19	Metal diphosphonates with double-layer and pillared layered structures based on N-cyclohexylaminomethanediphosphonate. Journal of Solid State Chemistry, 2010, 183, 1588-1594.	2.9	14
20	Visibleâ€Lightâ€Driven Water Oxidation with a Polyoxometalateâ€Complexed Hematite Core of 275â€…Iron Atoms. Angewandte Chemie, 2019, 131, 6656-6661.	2.0	14
21	A decacobalt(<scp>ii</scp>) cluster with triple-sandwich structure obtained by partial reductive hydrolysis of a pentacobalt(<scp>ii</scp>/<scp>iii</scp>) Weakley-type polyoxometalate. Chemical Communications, 2016, 52, 13245-13248.	4.1	12
22	Large Magnetic Polyoxometalates Containing the Cobalt Cubane â€˜[CoIIICo3II(OH)3(H2O)6â€“m(PW9O34)]3â˜' (m = 3 or 5) as a Subunit. Frontiers in Chemistry, 2018, 6, 231.	3.6	12
23	One-dimensional metal phosphonates based on 6-phosphononicotinic acid: A structural and magnetic study. Science China Chemistry, 2010, 53, 2112-2117.	8.2	6
24	Synthesis, crystal structures and magnetic properties of picolinate-bridged copper(II) chains. Journal of Coordination Chemistry, 2018, 71, 644-656.	2.2	0