

Michel Verdaguer

List of Publications by Year in descending order

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45
papers

5,786
citations

126907

33
h-index

223800

46
g-index

51
all docs

51
docs citations

51
times ranked

3740
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecules to build solids: high TC molecule-based magnets by design and recent revival of cyano complexes chemistry. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 1023-1047.	18.8	814
2	Strong magneto-chiral dichroism in enantiopure chiral ferromagnets. <i>Nature Materials</i> , 2008, 7, 729-734.	27.5	484
3	Design of single chain magnets through cyanide-bearing six-coordinate complexes. <i>Coordination Chemistry Reviews</i> , 2005, 249, 2691-2729.	18.8	417
4	Cyanide-Bridged Iron(III)-Cobalt(II) Double Zigzag Ferromagnetic Chains: Two New Molecular Magnetic Nanowires. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1483-1486.	13.8	353
5	Reversible Photoinduced Magnetic Properties in the Heptanuclear Complex $[\text{MoIV}(\text{CN})_2(\text{CN})_2\text{CuL}]_6^{8+}$: A Photomagnetic High-Spin Molecule. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5468-5471.	13.8	330
6	High Proton Conduction in a Chiral Ferromagnetic Metal-Organic Quartz-like Framework. <i>Journal of the American Chemical Society</i> , 2011, 133, 15328-15331.	13.7	302
7	Design of μ -oxalato copper(II) binuclear complexes exhibiting expected magnetic properties. <i>Inorganic Chemistry</i> , 1984, 23, 3808-3818.	4.0	287
8	The fruitful introduction of chirality and control of absolute configurations in molecular magnets. <i>Chemical Society Reviews</i> , 2011, 40, 3297.	38.1	283
9	Exchange Coupling in Oxalato-Bridged Copper(II) Binuclear Compounds: A Density Functional Study. <i>Chemistry - A European Journal</i> , 1998, 4, 476-484.	3.3	197
10	Multiferroics by Rational Design: Implementing Ferroelectricity in Molecule-Based Magnets. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8356-8360.	13.8	157
11	Oxalato-bridged and related dinuclear copper(II) complexes: theoretical analysis of their structures and magnetic coupling. <i>Inorganic Chemistry</i> , 1990, 29, 4500-4507.	4.0	146
12	Ferromagnetic transition in a bimetallic molecular system. <i>Journal of the American Chemical Society</i> , 1986, 108, 7428-7430.	13.7	139
13	Copper(II), a chemical Janus: two different (oxalato)(bipyridyl)copper(II) complexes in one single crystal. Structure and magnetic properties. <i>Journal of the American Chemical Society</i> , 1984, 106, 8306-8308.	13.7	132
14	Is It Possible To Get HighTC Magnets with Prussian Blue Analogues? A Theoretical Prospect. <i>Chemistry - A European Journal</i> , 2005, 11, 2135-2144.	3.3	129
15	Room-temperature molecule-based magnets. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999, 357, 2959-2976.	3.4	114
16	EXAFS structure and magnetic properties of a CuII/NiII μ -oxalato mixed linear chain. <i>Inorganic Chemistry</i> , 1983, 22, 2624-2629.	4.0	113
17	Ordered magnetic bimetallic chains: a novel class of one-dimensional compounds. <i>Journal of the American Chemical Society</i> , 1981, 103, 7373-7374.	13.7	112
18	Tunable exchange interaction in μ -oxalato copper(II) dinuclear complexes. <i>Inorganic Chemistry</i> , 1983, 22, 368-370.	4.0	106

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19	Molecule-Based Room-Temperature Magnets: Catalytic Role of V(III) in the Synthesis of Vanadium-Chromium Prussian Blue Analogues. <i>Journal of the American Chemical Society</i> , 2002, 124, 10531-10538.	13.7	102
20	Thermally Induced Electron Transfer in a CsCoFe Prussian Blue Derivative: The Specific Role of the Alkali-Metal Ion. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3728-3731.	13.8	92
21	Postsynthetic Approach for the Rational Design of Chiral Ferroelectric Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017, 139, 8098-8101.	13.7	81
22	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1521-1524.	2.0	79
23	Synthesis, x-ray diffraction structure, magnetic properties, and MO analysis of a binuclear (μ -tetrathiooxalato)copper(II) complex, $(\text{AsPh}_4)_2[(\text{C}_3\text{OS}_4)\text{Cu}_2\text{S}_4\text{Cu}(\text{C}_3\text{OS}_4)]$. <i>Inorganic Chemistry</i> , 1987, 26, 4004-4009.	4.0	76
24	Two different (oxalato)(bipyridine)copper(II) complexes in one single crystal. Crystal structures and magnetic properties of $[\text{Cu}_2(\text{bipy})_2(\text{H}_2\text{O})_2(\text{C}_2\text{O}_4)]\text{X}_2 \cdot [\text{Cu}(\text{bipy})(\text{C}_2\text{O}_4)]$ (X = NO_3^- , BF_4^- or ClO_4^-). <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 3209-3216.		73
25	New Molecule-Based Magnets: From Hexacyano to Octacyanometalates. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 334, 587-595.	0.3	70
26	Oxamidato complexes. 2. Copper(II) and nickel(II) complexes with oxamide-N,N'-diacetic acid: solution study, synthesis, crystal structures, and magnetic properties. <i>Inorganic Chemistry</i> , 1992, 31, 778-784.	4.0	69
27	A new family of oxime-based hexanuclear manganese(III) single molecule magnets with high anisotropy energy barriers. <i>Chemical Communications</i> , 2010, 46, 5106.	4.1	54
28	Reversible Photoinduced Magnetic Properties in the Heptanuclear Complex $[\text{Mo}^{\text{IV}}(\text{CN})_2(\text{CN})_5\text{Cu}_6]^{8+}$: A Photomagnetic High-Spin Molecule. <i>Angewandte Chemie</i> , 2004, 116, 5584-5587.	2.0	52
29	Interactions in Cu(II)Cu(II), VO(II)VO(II) and Cu(II)VO(II) pairs through oxalato bridging ligand. <i>Inorganica Chimica Acta</i> , 1984, 82, 5-12.	2.4	45
30	Synthesis, crystal structure and magnetic properties of two oxalato-bridged dimetallic trinuclear complexes combined with a polar cation. <i>Dalton Transactions</i> , 2010, 39, 4951.	3.3	35
31	Synthesis, crystal structure and magnetism of new salicylamidoxime-based hexanuclear manganese(III) single-molecule magnets. <i>Dalton Transactions</i> , 2012, 41, 13668.	3.3	34
32	Topological Versatility of Oxalate-Based Bimetallic One-Dimensional (1D) Compounds Associated with Ammonium Cations. <i>Inorganic Chemistry</i> , 2012, 51, 11582-11593.	4.0	33
33	Dinuclear copper(II) complexes as testing ground for molecular magnetism theory. <i>Polyhedron</i> , 2019, 169, 66-77.	2.2	28
34	Optically active molecule-based magnets: Enantioselective self-assembling, optical, and magnetic properties. <i>Chirality</i> , 2001, 13, 712-714.	2.6	27
35	Electrons in Molecules. , 2018, , .		21
36	Hexanuclear manganese(III) single-molecule magnets from derivatized salicylamidoximes. <i>Comptes Rendus Chimie</i> , 2012, 15, 889-894.	0.5	19

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37	A novel oxalate-based three-dimensional coordination polymer showing magnetic ordering and high proton conductivity. Dalton Transactions, 2017, 46, 15130-15137.	3.3	15
38	Antiferromagnetic Interactions in Copper(II) Oxalato Dinuclear Complexes: The Role of the Counterion. European Journal of Inorganic Chemistry, 2018, 2018, 509-516.	2.0	14
39	Solvent-Dependent Self-Assembly of an Oxalato-Based Three-Dimensional Magnet Exhibiting a Novel Architecture. Inorganic Chemistry, 2016, 55, 6845-6847.	4.0	13
40	Molecule-based magnets with TC above room temperature: Improved synthesis of vanadium-chromium Prussian blue analogues with inserted alkali cations. Inorganica Chimica Acta, 2008, 361, 3597-3602.	2.4	10
41	Magnetism: Molecules to Build Solids. European Journal of Inorganic Chemistry, 2020, 2020, 723-731.	2.0	7
42	A tribute to Professor Juan Faus PayÀ. Journal of Coordination Chemistry, 2018, 71, 585-589.	2.2	1
43	Florence Orsay: A Joint Laboratory with Olivier. European Journal of Inorganic Chemistry, 2018, 2018, 215-222.	2.0	1
44	On the Cucumber Tree Peter Day The Grimsay Press, Glasgow, 2012, thegrimsaypress.co.uk ISBN 978-1-84530-119-4. European Review, 2014, 22, 538-541.	0.7	0
45	Miguel Julve, creative chemist and scholar, a personal account. Polyhedron, 2019, 170, 109-114.	2.2	0