

Mauro Perfetti

List of Publications by Year in descending order

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41
papers

2,618
citations

279798

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265206

42
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48
all docs

48
docs citations

48
times ranked

2244
citing authors

#	ARTICLE	IF	CITATIONS
1	A terminal neptunium(V) "mono(oxo) complex. Nature Chemistry, 2022, 14, 342-349.	13.6	19
2	A dysprosium single molecule magnet outperforming current pseudocontact shift agents. Chemical Science, 2022, 13, 5860-5871.	7.4	15
3	Magnetic Anisotropy Trends along a Full 4f-Series: The $\langle i \rangle^{\langle n \rangle + 7}$ Effect. Journal of the American Chemical Society, 2021, 143, 8108-8115.	13.7	50
4	Single Molecule Magnet Features in the Butterfly $[\text{Co}^{\text{III}}\text{Ln}^{\text{III}}]_2$ Pivalate Family with Alcohol-Amine Ligands. European Journal of Inorganic Chemistry, 2021, 2021, 3191-3210.	2.0	4
5	Exploring the potential of highly charged Ru(II)- and heteronuclear Ru(II)/Cu(II)-polypyridyl complexes as antimicrobial agents. Journal of Inorganic Biochemistry, 2021, 220, 111467.	3.5	20
6	Longitudinal and transverse NMR relaxivities of Ln(III)-DOTA complexes: A comprehensive investigation. Journal of Chemical Physics, 2021, 155, 214201.	3.0	4
7	Importance of Axial Symmetry in Elucidating Lanthanide-Transition Metal Interactions. Inorganic Chemistry, 2020, 59, 235-243.	4.0	13
8	Lanthanide Complexes with a Tripodal Nitroxyl Radical Showing Strong Magnetic Coupling. Inorganic Chemistry, 2020, 59, 16591-16598.	4.0	11
9	Heterotrimetallic $\{\text{LnOVpt}\}$ complexes with antiferromagnetic Ln-V coupling and magnetic memory. Chemical Communications, 2020, 56, 11062-11065.	4.1	4
10	Tris(hydridotris(1-pyrazolyl)borato)actinide Complexes: Synthesis, Spectroscopy, Crystal Structure, Bonding Properties and Magnetic Behaviour. Chemistry - A European Journal, 2020, 26, 11293-11306.	3.3	11
11	Local structure and magnetism of $\text{L}_a\text{X}_2\text{E}_u$	3.2	6
12	Single Crystal Investigations Unravel the Magnetic Anisotropy of the Cr_4Dy_4 SMM Coordination Cluster. Frontiers in Chemistry, 2019, 7, 6.	3.6	13
13	Determination of the electronic structure of a dinuclear dysprosium single molecule magnet without symmetry idealization. Chemical Science, 2019, 10, 2101-2110.	7.4	48
14	The Multiple Faces, and Phases, of Magnetic Anisotropy. Inorganic Chemistry, 2019, 58, 11875-11882.	4.0	12
15	Spectroscopic Determination of the Electronic Structure of a Uranium Single-Ion Magnet. Chemistry - A European Journal, 2019, 25, 1758-1766.	3.3	23
16	Chemical tunnel-splitting-engineering in a dysprosium-based molecular nanomagnet. Nature Communications, 2018, 9, 1292.	12.8	81
17	Exchange coupling and single molecule magnetism in redox-active tetraoxolene-bridged dilanthanide complexes. Chemical Science, 2018, 9, 1221-1230.	7.4	70
18	Magnetic Anisotropy Switch: Easy Axis to Easy Plane Conversion and Vice Versa. Advanced Functional Materials, 2018, 28, 1801846.	14.9	31

#	ARTICLE	IF	CITATIONS
19	Chiral, Heterometallic Lanthanide-Transition Metal Complexes by Design. <i>Inorganics</i> , 2018, 6, 72.	2.7	6
20	A linear cobalt(II) complex with maximal orbital angular momentum from a non-Aufbau ground state. <i>Science</i> , 2018, 362, .	12.6	254
21	Descriptors of magnetic anisotropy revisited. <i>Chemical Communications</i> , 2018, 54, 12163-12166.	4.1	6
22	Formation of TbPc ₂ Single-Molecule Magnets™ Covalent 1D Structures via Acyclic Diene Metathesis. <i>ACS Omega</i> , 2017, 2, 517-521.	3.5	4
23	Magnetic Anisotropy in Pentacoordinate Ni ^{II} and Co ^{II} Complexes: Unraveling Electronic and Geometrical Contributions. <i>Chemistry - A European Journal</i> , 2017, 23, 3648-3657.	3.3	45
24	Cantilever torque magnetometry on coordination compounds: from theory to experiments. <i>Coordination Chemistry Reviews</i> , 2017, 348, 171-186.	18.8	35
25	Molecular Order in Buried Layers of TbPc ₂ Single-Molecule Magnets Detected by Torque Magnetometry. <i>Advanced Materials</i> , 2016, 28, 6946-6951.	21.0	22
26	Diamondoid Structure in a Metal-Organic Framework of Fe ₄ Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2016, 22, 13705-13714.	3.3	18
27	Spin Helicity in Chiral Lanthanide Chains. <i>Inorganic Chemistry</i> , 2016, 55, 10068-10074.	4.0	25
28	Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. <i>Dalton Transactions</i> , 2016, 45, 16596-16603.	3.3	29
29	Relaxation Dynamics and Magnetic Anisotropy in a Low-Symmetry Dy ^{III} Complex. <i>Chemistry - A European Journal</i> , 2016, 22, 5552-5562.	3.3	56
30	Quantum coherence in a processable vanadyl complex: new tools for the search of molecular spin qubits. <i>Chemical Science</i> , 2016, 7, 2074-2083.	7.4	144
31	Determination of Magnetic Anisotropy in the LnTRENALS Complexes (Ln = Tb, Dy, Er) by Torque Magnetometry. <i>Inorganic Chemistry</i> , 2015, 54, 3090-3092.	4.0	62
32	Commentary on "An intermediate state between the kagome-ice and the fully polarized state in Dy ₂ Ti ₂ O ₇ ". <i>Papers in Physics</i> , 2015, 7, .	0.2	0
33	Angular-Resolved Magnetometry Beyond Triclinic Crystals Part II: Torque Magnetometry of Cp*ErCOT Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2014, 20, 14051-14056.	3.3	39
34	Grafting Single Molecule Magnets on Gold Nanoparticles. <i>Small</i> , 2014, 10, 323-329.	10.0	31
35	Beyond the anisotropy barrier: slow relaxation of the magnetization in both easy-axis and easy-plane Ln(trensal) complexes. <i>Chemical Communications</i> , 2014, 50, 1648-1651.	4.1	192
36	Mapping of single-site magnetic anisotropy tensors in weakly coupled spin clusters by torque magnetometry. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 17220.	2.8	24

#	ARTICLE	IF	CITATIONS
37	Thermal Properties of Solids at Room and Cryogenic Temperatures. The International Cryogenics Monograph Series, 2014, , .	0.1	25
38	Heat Capacity. The International Cryogenics Monograph Series, 2014, , 3-37.	0.1	0
39	Magnetic Anisotropy and Spin-Parity Effect Along the Series of Lanthanide Complexes with DOTA. Angewandte Chemie - International Edition, 2013, 52, 350-354.	13.8	275
40	Magnetic Anisotropy in a Dysprosium/DOTA Single-Molecule Magnet: Beyond Simple Magneto-Structural Correlations. Angewandte Chemie - International Edition, 2012, 51, 1606-1610.	13.8	523
41	Giant field dependence of the low temperature relaxation of the magnetization in a dysprosium(iii)-DOTA complex. Chemical Communications, 2011, 47, 3751.	4.1	204