

Elena Garlatti

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of the Unusual Ground-State Spin $S = 9$ in a Cr_{10} Single-Molecule Magnet. Journal of the American Chemical Society, 2022, 144, 12520-12535.	13.7	3
2	Controlled coherent dynamics of $[\text{VO}(\text{TPP})]$, a prototype molecular nuclear qudit with an electronic ancilla. Chemical Science, 2021, 12, 12046-12055.	7.4	28
3	Radiofrequency to Microwave Coherent Manipulation of an Organometallic Electronic Spin Qubit Coupled to a Nuclear Qudit. Inorganic Chemistry, 2021, 60, 11273-11286.	4.0	15
4	Assessing the Nature of Chiral-Induced Spin Selectivity by Magnetic Resonance. Journal of Physical Chemistry Letters, 2021, 12, 6341-6347.	4.6	25
5	A Cost-Effective Semi-Ab Initio Approach to Model Relaxation in Rare-Earth Single-Molecule Magnets. Journal of Physical Chemistry Letters, 2021, 12, 8826-8832.	4.6	35
6	Slow Magnetic Relaxation of a 12-Metallacrown-4 Complex with a Manganese(III)-Copper(II) Heterometallic Ring Motif. Inorganic Chemistry, 2020, 59, 11894-11900.	4.0	4
7	Understanding magnetic relaxation in single-ion magnets with high blocking temperature. Physical Review B, 2020, 101, .	3.2	94
8	Breaking the ring: ^{53}Cr -NMR on the Cr_8Cd molecular nanomagnet. Journal of Physics Condensed Matter, 2020, 32, 244003.	1.8	8
9	Unveiling phonons in a molecular qubit with four-dimensional inelastic neutron scattering and density functional theory. Nature Communications, 2020, 11, 1751.	12.8	43
10	Unravelling the Spin Dynamics of Molecular Nanomagnets with Four-Dimensional Inelastic Neutron Scattering. European Journal of Inorganic Chemistry, 2019, 2019, 1106-1118.	2.0	11
11	Anisotropy of Co^{II} transferred to the Cr_7Co polymetallic cluster via strong exchange interactions. Chemical Science, 2018, 9, 3555-3562.	7.4	20
12	Coherent Manipulation of a Molecular Ln-Based Nuclear Qudit Coupled to an Electron Qubit. Journal of the American Chemical Society, 2018, 140, 9814-9818.	13.7	86
13	Portraying entanglement between molecular qubits with four-dimensional inelastic neutron scattering. Nature Communications, 2017, 8, 14543.	12.8	48
14	Magnetic Exchange Interactions in the Molecular Nanomagnet Mn_{12} . Physical Review Letters, 2017, 119, 217202.	7.8	34
15	Low-field spin dynamics of Cr_7 and Cr_7 . Physical Review B, 2017, 96, .	3.2	3
16	Relaxation dynamics in the frustrated Cr_9 ring probed by NMR. Physical Review B, 2016, 93, .	3.2	10
17	Heterodimers of heterometallic rings. Dalton Transactions, 2016, 45, 16610-16615.	3.3	8
18	Direct observation of finite size effects in chains of antiferromagnetically coupled spins. Nature Communications, 2015, 6, 7061.	12.8	30

#	ARTICLE	IF	CITATIONS
19	Response to "Comment on "Theoretical design of molecular nanomagnets for magnetic refrigeration" [Appl. Phys. Lett. 105, 046101 (2014)]. Applied Physics Letters, 2014, 105, 046102.	3.3	3
20	Magnetic properties and hyperfine interactions in Cr ₈ , Cr ₇ Cd, and Cr ₇ Ni molecular rings from 19F-NMR. Journal of Chemical Physics, 2014, 140, 144306.	3.0	4
21	A Detailed Study of the Magnetism of Chiral {Cr ₇ M} Rings: An Investigation into Parametrization and Transferability of Parameters. Journal of the American Chemical Society, 2014, 136, 9763-9772.	13.7	26
22	Low temperature spin dynamics in Cr ₇ Ni-Cu-Cr ₇ Ni coupled molecular rings. Journal of Applied Physics, 2014, 115, .	2.5	2
23	Relaxation dynamics in a Fe ₇ nanomagnet. Physical Review B, 2013, 87, .	3.2	15
24	Theoretical design of molecular nanomagnets for magnetic refrigeration. Applied Physics Letters, 2013, 103, .	3.3	24
25	Magnetic properties and relaxation dynamics of a frustrated Ni ₇ molecular nanomagnet. Journal of Physics Condensed Matter, 2012, 24, 104006.	1.8	14
26	Linking [MIII3] triangles with "double-headed" phenolic oximes. Dalton Transactions, 2012, 41, 8777.	3.3	12
27	Local spin density in the Cr ₇ Ni antiferromagnetic molecular ring and ⁵³ Cr-NMR. Journal of Physics Condensed Matter, 2012, 24, 406002.	1.8	15
28	Magnetic Anisotropy of Cr ₇ Ni Spin Clusters on Surfaces. Advanced Functional Materials, 2012, 22, 3706-3713.	14.9	28
29	Linking [FeIII3] triangles with "double-headed" phenolic oximes. Chemical Communications, 2011, 47, 6018.	4.1	11
30	Probing local magnetization in molecular heterometallic Cr ₂ Physical Review B, 2010, 82, .	3.2	15