

MarÃ-a Carmen MorÃ³n

List of Publications by Year in descending order

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49
papers

610
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687220

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all docs

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docs citations

49
times ranked

636
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic ordering of the antiferromagnet $\text{Cu}_2\text{MnSnS}_4$ from magnetization and neutron-scattering measurements. <i>Physical Review B</i> , 1997, 56, 5424-5431.	1.1	76
2	The critical temperature and exchange interactions of an $S=5/2$ Heisenberg antiferromagnet on an f.c.c. lattice. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 11141-11151.	0.7	51
3	Bimetallic Derivatives of $[\text{M}(\text{en})_3]^{3+}$ Ions (M = Cr, Co): An Approach to Intermolecular Magnetic Interactions in Molecular Magnets. <i>Inorganic Chemistry</i> , 1994, 33, 746-753.	1.9	44
4	Role of the central cations in the mechanical unfolding of DNA and RNA G-quadruplexes. <i>Nucleic Acids Research</i> , 2015, 43, 7638-7647.	6.5	38
5	Antiferromagnetic versus spin-glass like behavior in MnIn_2S_4 . <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 312, 294-297.	1.0	35
6	Pressure-induced structural phase transitions in the AMnF_4 series (A=Cs, Rb, K) studied by synchrotron x-ray powder diffraction: Correlation between hydrostatic and chemical pressure. <i>Physical Review B</i> , 1996, 54, 7052-7061.	1.1	21
7	$\text{Co}_3(\text{RL})_2(\text{hfac})_6$ Ladder Complex of 5-[4-(N-tert-Butyl-N-aminoxyl)phenyl]pyrimidine. <i>Inorganic Chemistry</i> , 2006, 45, 2562-2567.	1.9	20
8	Crystal and magnetic structures of RbMnF_4 and KMnF_4 investigated by neutron powder diffraction: the relationship between structure and magnetic properties in the Mn^{3+} -layered perovskites AMnF_4 (A=Na, K). <i>Journal of Applied Physics</i> , 2007, 101, 074101.	0.7	10
9	Dynamic neutron and synchrotron X-ray powder diffraction methods in the study of chemical processes. <i>Journal of Materials Chemistry</i> , 2000, 10, 2617-2626.	6.7	19
10	A New Bimetallic Intercalated 3-D Assembly Magnet $[\{(323)\text{Ni}\}_3\{\text{Fe}^{\text{III}}(\text{CN})_6\}_2]_n \cdot 12n\text{H}_2\text{O}$ (323) T_j $\text{ETQq}000$ $\text{rgBT} / \text{Overlock} 10$ $T_f 50$ 3 Facial Arrangement of Ferricyanide Anion. <i>Inorganic Chemistry</i> , 2005, 44, 1354-1361.	1.9	19
11	Mössbauer study of $(\text{NH}_4)_2\text{FeCl}_5 \cdot \text{H}_2\text{O}$. <i>Hyperfine Interactions</i> , 1990, 54, 483-488.	0.2	17
12	Mössbauer study of the \hat{I}^{\pm} and \hat{I}^2 forms of $(\text{NH}_4)_2\text{FeF}_5$. <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 98, 79-84.	1.0	17
13	Water dynamics on the surface of the protein barstar. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15393.	1.3	16
14	Magnetic properties of CoCr_2S_4 . <i>Physica B: Condensed Matter</i> , 2006, 384, 82-84.	1.3	14
15	Magnetic properties of hexaamminecobalt(3+) hexachloroferrate(3-): a quasi-ideal fcc structure with antiferromagnetic ordering. <i>Inorganic Chemistry</i> , 1990, 29, 842-845.	1.9	12
16	Optical absorption of $\text{Zn}_{1-x}\text{Mn}_x\text{Ga}_2\text{Se}_4$ diluted magnetic semiconductors: Variation of the energy gap with composition and temperature. <i>Journal of Applied Physics</i> , 2001, 89, 1687.	1.1	11
17	Structural phase transitions in RbFeF_4 . I. Powder and single crystal X-ray diffraction study of the room temperature phase. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 8269-8275.	0.7	10
18	Order-disorder phase transition in $\text{Zn}_{1-x}\text{Mn}_x\text{Ga}_2\text{Se}_4$: Long-range order parameter versus x . <i>Physical Review B</i> , 2003, 67, .	1.1	10

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19	Raman selection rules in uniaxial media: The nonpolar modes of MnGa_2Se_4 . <i>Physical Review B</i> , 2005, 71, .	1.1	10
20	Thermally activated cation ordering in $\text{Zn}_{0.5}\text{Mn}_{0.5}\text{Ga}_2\text{Se}_4$ single crystals studied by Raman scattering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 1182-1186.	0.8	10
21	Crystal structure and magnetic measurements of $[\text{Cr}(\text{en})_3][\text{ZnCl}_4]\text{Cl}$. <i>Inorganica Chimica Acta</i> , 1988, 146, 161-165.	1.2	9
22	Structural and magnetic behavior of the $S=2$ layered ferromagnet CsMnF_4 under hydrostatic pressure. <i>Physical Review B</i> , 1995, 51, 8660-8663.	1.1	9
23	Anomalous magnetic phase diagrams in the site-diluted Heisenberg antiferromagnets, $\text{A}_2\text{Fe}_{1-x}\text{In}_x\text{Cl}_5 \cdot \text{H}_2\text{O}$ ($A = \text{Rb}, \text{K}$). <i>Journal of Physics Condensed Matter</i> , 1999, 11, 4409-4425.	0.7	9
24	Single-crystal ac susceptibility measurements on $[\text{Co}(\text{NH}_3)_6][\text{CuCl}_5]$, a $3\text{D}, S=1/2$ Heisenberg antiferromagnet. <i>Journal of Applied Physics</i> , 1988, 63, 3566-3568.	1.1	8
25	Raman study of $\text{Zn}_{1-x}\text{Mn}_x\text{Ga}_2\text{Se}_4$ diluted magnetic semiconductors: disorder and resonance effects. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 565-567.	1.3	8
26	Effect of magnetic dilution in $\text{Zn}_{1-x}\text{Mn}_x\text{Ga}_2\text{Se}_4$ ($0 < x < 0.5$). <i>Journal of Applied Physics</i> , 2005, 98, 013904.	1.1	8
27	New low-temperature ferrimagnets. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 135, 231-234.	0.9	7
28	Ferromagnetic Interactions above Room Temperature in a Schiff-Base Metal-Organic Polymer. <i>Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics</i> , 1989, 176, 415-422.	0.3	7
29	The crystal and molecular structures of twinned : A new complex bimetallic compound. <i>Journal of Solid State Chemistry</i> , 1990, 88, 498-504.	1.4	7
30	Structural phase transitions in RbFeF_4 . II. Raman scattering study. <i>Journal of Physics Condensed Matter</i> , 1990, 2, 8277-8292.	0.7	7
31	On the controversial magnetic properties of the schiff-base metal-organic polymer $\{[\text{Fe}(\text{C}_{13}\text{H}_{17}\text{N}_3)_2]\text{SO}_4 \cdot 6\text{H}_2\text{O}\}_n$. <i>Solid State Communications</i> , 1991, 80, 969-973.	0.9	7
32	The influence of magnetic dilution in the $\text{Zn}_{1-x}\text{Mn}_x\text{Ga}_2\text{Se}_4$ series with $0.5 < x < 1$. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	7
33	Isostructural $\text{M}(\text{RL})_2(\text{hfac})_2$ complexes with $\text{RL} = 5-(4\text{-[N-tert-butyl-N-aminoxyl]phenyl})\text{pyrimidine}$. <i>Inorganica Chimica Acta</i> , 2008, 361, 3697-3709.	1.2	7
34	Neutron powder diffraction experiments on AMnF_4 ($A = \text{K}, \text{Rb}$): nuclear and magnetic structures. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 125-127.	1.3	5
35	$\text{Zn}_{1-x}\text{Mn}_x\text{Ga}_2\text{Se}_4$: a new series of diluted magnetic semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 196-197, 437-439.	1.0	5
36	Macro and nano scale modelling of water-water interactions at ambient and low temperature: relaxation and residence times. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9377-9387.	1.3	5

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37	Antiferromagnetic behavior in S=2 layered RbMnF ₄ . Journal of Applied Physics, 1993, 73, 6540-6542.	1.1	4
38	Magnetic behavior of CsMnF ₄ under high pressure. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 440-442.	1.0	4
39	The mechanism of water/ion exchange at a protein surface: a weakly bound chloride in Helicobacter pylori apoflavodoxin. Physical Chemistry Chemical Physics, 2015, 17, 28635-28646.	1.3	4
40	Impurity-Induced Magnetic Anomalies in the Slightly Diluted Low Anisotropy A ₂ Fe _{1-x} In _x Cl ₅ ·H ₂ O, (A=K, Rb) Tj ETQq0 0,0 rgBT /Overlock 1	1.0	3
41	MAGNETO-STRUCTURAL CORRELATIONS IN Mn(III) FLUORIDES. , 1993, , 227-281.		3
42	Magnetic properties of the low-temperature ferrimagnet [Cr(H ₂ O)(NH ₃) ₅][FeCl ₆]. Journal of Magnetism and Magnetic Materials, 1992, 114, 243-245.	1.0	2
43	A Raman Study Of Order-Disorder Phenomena In Zn _{1-x} Mn _x Ga ₂ Se ₄ Compounds. AIP Conference Proceedings, 2007, , .	0.3	2
44	Spin-glass like behavior in Rb ₂ Fe _{1-x} In _x Cl ₅ ·H ₂ O solid solutions. Journal of Magnetism and Magnetic Materials, 1992, 114, 246-248.	1.0	1
45	The Cd _(1-x) Mn _(x) In ₂ S ₄ (0.5 ≤ x ≤ 1.0) spinel system: an X-ray powder diffraction study. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 3627-3632.	0.8	1
46	Order/disorder phenomena in Zn _{1-x} Mn _x Ga ₂ Se ₄ ordered vacancy compounds: high temperature neutron powder diffraction experiments. Journal of Physics Condensed Matter, 2013, 25, 485402.	0.7	1
47	Low temperature dependence of protein-water interactions on barstar surface: A nano-scale modelling. Journal of Molecular Liquids, 2018, 272, 902-911.	2.3	1
48	Bimetallic derivatives of the [M(en) ₃] ³⁺ ion (M=Cr and Co): A series of compounds with unusual magnetic and structural properties (abstract). Journal of Applied Physics, 1990, 67, 6017-6017.	1.1	0
49	Spin glass like behavior in Cd _{0.42} Mn _{0.58} In ₂ S ₄ . Journal of Physics and Chemistry of Solids, 2005, 66, 2024-2026.	1.9	0