

Pierre Dalmas De Reotier

List of Publications by Year in descending order

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32
papers

883
citations

516710

16
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

868
citing authors

#	ARTICLE	IF	CITATIONS
1	Muon spin rotation and relaxation in magnetic materials. Journal of Physics Condensed Matter, 1997, 9, 9113-9166.	1.8	193
2	Spin Dynamics and Magnetic Order in Magnetically Frustrated Tb ₂ Sn ₂ O ₇ . Physical Review Letters, 2006, 96, 127202.	7.8	88
3	Dynamical Splayed Ferromagnetic Ground State in the Quantum Spin Ice $\text{Yb}_2\text{Sn}_2\text{O}_7$. Physical Review Letters, 2011, 106, 177202.	3.2	118
4	Magnetic order, magnetic correlations, and spin dynamics in the pyrochlore antiferromagnet $\text{Er}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2008, 78, 014411.	3.2	57
5	Muon spin rotation and relaxation in the spin liquid $\text{Er}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2010, 81, 014411.	3.2	46
6	Zero-field muon-spin-relaxation depolarization rate of paramagnets near the Curie temperature. Physical Review B, 1993, 47, 796-809.	3.2	45
7	Understanding the $\hat{I}^{1/4}$ SR spectra of MnSi without magnetic polarons. Physical Review B, 2014, 89, .	3.2	40
8	Evidence for Weak Itinerant Long-Range Magnetic Correlations in UGe ₂ . Physical Review Letters, 2002, 89, 147001.	7.8	38
9	Probing magnetic excitations, fluctuations and correlation lengths by muon spin relaxation and rotation techniques. Journal of Physics Condensed Matter, 2004, 16, S4687-S4705.	1.8	38
10	Positive muon spin rotation and relaxation measurements on the ferromagnetic superconductor UGe_2 at ambient and high pressure. Physical Review B, 2010, 81, .	3.2	29
11	Evidence for unidimensional low-energy excitations as the origin of persistent spin dynamics in geometrically frustrated magnets. Physical Review B, 2015, 91, .	3.2	28
12	Quantum calculation of the muon depolarization function: effect of spin dynamics in nuclear dipole systems. Journal of Physics Condensed Matter, 1992, 4, 4533-4556.	1.8	23
13	Muon-spin-relaxation study of the critical longitudinal spin dynamics in a dipolar Heisenberg ferromagnet. Physical Review B, 1996, 53, 350-353.	3.2	22
14	Possibility of observation of the critical paramagnetic longitudinal spin fluctuations in gadolinium by muon spin rotation spectroscopy. Physical Review Letters, 1994, 72, 290-293.	7.8	20
15	Influence of short-range spin correlations on the $\hat{I}^{1/4}$ SR polarization functions in the slow dynamic limit: Application to the quantum spin-liquid system $\text{Yb}_2\text{Ti}_2\text{O}_7$. Physical Review B, 2013, 87, .	3.2	20
16	Zero-field muon spin lattice relaxation rate in a Heisenberg ferromagnet at low temperature. Physical Review B, 1995, 52, 9155-9158.	3.2	16
17	Probing Longitudinal and Transverse Spin Dynamics of Paramagnets Near T_C by Zero-Field $\hat{I}^{1/4}$ SR Measurements. Europhysics Letters, 1993, 21, 93-98.	2.0	15
18	Determination of the zero-field magnetic structure of the helimagnet MnSi at low temperature. Physical Review B, 2016, 93, .	3.2	15

#	ARTICLE	IF	CITATIONS
19	Dynamics and spin freezing in the triangular lattice antiferromagnets FeGa S_4 and NiGa S_4	3.2	13
20	Unconventional magnetic order in the conical state of MnSi. Physical Review B, 2017, 95, .	3.2	12
21	Magnetic structure of the MnGe helimagnet and representation analysis. Physical Review B, 2017, 95, .	3.2	11
22	Testing the self-consistent renormalization theory for the description of the spin-fluctuation modes of MnSi at ambient pressure. Journal of Physics Condensed Matter, 2005, 17, L129-L135.	1.8	11
23	Dual nature of magnetism in MnSi. Physical Review Research, 2020, 2, .	3.6	11
24	Anomalously slow spin dynamics and short-range correlations in the quantum spin ice systems Yb_2O_7 and Yb_2O_3	3.2	10
25	Quasi-static spin dynamics in the Van-Vleck paramagnet PrNi5. Hyperfine Interactions, 1994, 85, 275-280.	0.5	6
26	On the Robustness of the MnSi Magnetic Structure Determined by Muon Spin Rotation. Quantum Beam Science, 2018, 2, 19.	1.2	6
27	Spin correlations in (Mn,Fe)2(P,Si) magnetocaloric compounds above Curie temperature. Journal of Science: Advanced Materials and Devices, 2016, 1, 147-151.	3.1	4
28	Spin dynamics in the commensurate antiferromagnet PrCo2Si2 probed by muon spin relaxation measurements. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1993-1994.	2.3	3
29	Reverse Monte Carlo Algorithm and Maximum Entropy Principle for the Analysis of Positive Muon Spin Rotation and Relaxation Spectra. , 2018, , .		3
30	Why paramagnetic chiral correlations in the long-wavelength limit do not contribute to muon spin relaxation. Physical Review B, 2020, 102, .	3.2	1
31	Zero-field 29Si nuclear magnetic resonance signature of helimagnons in MnSi. Journal of Magnetism and Magnetic Materials, 2021, 537, 168086.	2.3	1
32	Power-law dynamics in the spin-liquid kagome lattices $SrCr_8O_{19}$ and $ZnCu_3O_8$	3.2	0