

R Cywinski

List of Publications by Year in descending order

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331538

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all docs

64
docs citations

64
times ranked

1347
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for Time-Reversal Symmetry Breaking in the Noncentrosymmetric Superconductor LaNiC_2 . Physical Review Letters, 2009, 102, 117007.	2.9	275
2	The evolution of magnetic order in CrFe alloys. II. Onset of ferromagnetism. Journal of Physics F: Metal Physics, 1983, 13, 451-470.	1.6	151
3	Generalized Spin-Glass Relaxation. Physical Review Letters, 2009, 102, 097202.	2.9	146
4	Dynamics in canonical spin glasses observed by muon spin depolarization. Physical Review Letters, 1994, 72, 1291-1294.	2.9	126
5	Nonunitary Triplet Pairing in the Centrosymmetric Superconductor LaNiGa_2 . Physical Review Letters, 2012, 109, 097001.	2.9	109
6	2D mapping of texture and lattice parameters of dental enamel. Biomaterials, 2007, 28, 2908-2914.	5.7	99
7	The magnetic structure of DyMn_2 . Journal of Physics Condensed Matter, 1991, 3, 727-738.	0.7	76
8	Relativistic analysis of the pairing symmetry of the noncentrosymmetric superconductor LaNiC_2 . Physical Review B, 2010, 82, .	1.1	65
9	Magnetic order and moment stability in YMn_2 . Journal of Physics Condensed Matter, 1991, 3, 6473-6488.	0.7	62
10	Small-angle neutron scattering from superparamagnetic assemblies in binary CoGa alloys. Journal of Physics F: Metal Physics, 1977, 7, 2567-2581.	1.6	52
11	Superparamagnetism and the character of magnetic order in binary Cr-Fe alloys near the critical concentration. Journal of Applied Crystallography, 1978, 11, 644-648.	1.9	50
12	The classification of superconductors using muon spin rotation. Applied Magnetic Resonance, 1997, 13, 95-109.	0.6	43
13	Non-Fermi-Liquid Behavior of Electron-Spin Fluctuations in an Elemental Paramagnet. Physical Review Letters, 2002, 89, 186403.	2.9	43
14	The magnetic structure of HoMn_2 . Journal of Physics Condensed Matter, 1992, 4, 1559-1566.	0.7	40
15	Pressure dependence of the magnetic order in YMn_2 and TbMn_2 . Physica B: Condensed Matter, 1992, 180-181, 108-110.	1.3	39
16	^{51}V NMR evidence for the spin-liquid to spin-glass transition in $\text{Mn}_{1-x}\text{Al}_x$. Physical Review B, 1999, 59, 4305-4313.	1.1	33
17	The electronic band structure of a B2 intermetallic compound: localised states in CoGa. Journal of Physics F: Metal Physics, 1982, 12, 303-316.	1.6	30
18	Spin dynamics in the spin glass phase of $\text{Y}(\text{Mn}_{1-x}\text{Al}_x)_2$. Hyperfine Interactions, 1994, 85, 215-220.	0.2	28

#	ARTICLE	IF	CITATIONS
19	Muon spin relaxation in a superparamagnet: μ Field dynamics in $\text{Cu}_{98}\text{Co}_2$. <i>Physical Review B</i> , 1998, 58, 11544-11551.	1.1	28
20	A ^{14}SR determination of the penetration depth in superconducting $\text{YNi}_2\text{B}_2\text{C}$. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 233, 273-280.	0.6	24
21	Atomic clustering and magnetic defects in antiferromagnetic $\text{Cr}_{0.5}\text{at}\%\text{Fe}$. <i>Journal of Physics F: Metal Physics</i> , 1980, 10, 693-706.	1.6	22
22	Intrinsic and induced Mn moments in $\text{Dy}_{1-x}\text{Y}_x\text{Mn}_2$. <i>Physical Review B</i> , 1994, 50, 9894-9905.	1.1	22
23	Vacancies and site occupation in Co-Ga-Fe alloys (Mossbauer study). <i>Journal of Physics F: Metal Physics</i> , 1980, 10, 2093-2104.	1.6	19
24	Neutron and ^{14}SR studies of spin fluctuations in YMn_2 and related alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 805-806.	1.0	19
25	A ^{14}SR and neutron polarisation analysis study of Mn moment delocalisation in Fe substituted YMn_2 . <i>Hyperfine Interactions</i> , 1991, 64, 427-433.	0.2	16
26	Neutron polarization analysis study of the frustrated magnetic ground state of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle^2 \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \rangle \text{-Mn} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \rangle \rangle \rangle \rangle$. <i>Physical Review B</i> , 2008, 78, .	1.1	15
27	A M \ddot{u} ssbauer effect study of the structural and magnetic properties of Co-Ga alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1982, 28, 64-76.	1.0	12
28	Real-time kinetic neutron powder diffraction study of the phase transition from α -Mn to β -Mn. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 7095-7102.	0.7	12
29	Structural and dynamical study of moment localization in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle^2 \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mtext} \rangle \text{-Mn} \langle \text{mml:mtext} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \rangle \rangle \rangle \rangle$. <i>Physical Review B</i> , 2010, 82, .	1.1	12
30	Evolution of magnetic correlations in Fe-substituted TbMn_2 . <i>Physica B: Condensed Matter</i> , 1992, 180-181, 111-113.	1.3	11
31	Moment localisation in \hat{I}^2 - MnAl . <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 177-181, 602-604.	1.0	11
32	Magnetic short-range order in \hat{I}^2 - $\text{Mn}_{1-x}\text{Co}_x$. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 124216.	0.7	10
33	The superparamagnetic response of a $\text{Co}_{54}\text{Ga}_{46}$ alloy to low d.c. fields. <i>Solid State Communications</i> , 1980, 33, 553-555.	0.9	9
34	Suppression of local moment formation in Ce doped YMn_2 . <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 1421-1423.	1.0	9
35	The frequency-dependent magnetisation of quenched $\text{Co}_{0.54}\text{Ga}_{0.46}$. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 77, 284-286.	0.9	7
36	Low temperature structural distortions in RMn_2 compounds. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 606-608.	1.3	7

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37	Evidence for boron-carbon disorder in YNi ₂ 10B ₂ C. Applied Physics A: Materials Science and Processing, 2002, 74, s823-s825.	1.1	7
38	An investigation of the magnetic order in pseudo binary Co(Ga, Fe) alloys. Journal of Magnetism and Magnetic Materials, 1983, 30, 319-330.	1.0	5
39	The magnetic phase diagram of (Dy _{1-x})Mn ₂ alloys. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1427-1428.	1.0	5
40	Dynamic spin correlations in (Dy _{1-x} Y _x)Mn ₂ . Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1480-1481.	1.0	5
41	Pressure dependent spin fluctuations and magnetic structure in the topologically frustrated spin glass alloy Y(Mn _{1-x} Al _x) ₂ . http://www.w3.org/1998/Math/MathML $\int \text{ETQq1 } 10.784314 \text{ r g B T / Overlock } 10 \text{ f f } 50 \text{ 597}$	1.1	5
42	Muon spin rotation in DyMn ₂ and TbMn ₂ . Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1424-1426.	1.0	4
43	A $^{1/4}$ SR study of spin density wave condensation in Cr ₈₅ Mo ₁₅ . Hyperfine Interactions, 1994, 85, 209-214.	0.2	4
44	$^{1/4}$ SR studies of the spin glass phase of Cr _{1-x} Fe _x . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 45-46.	1.0	4
45	Muon spin relaxation in deuterides. Journal of Physics Condensed Matter, 1996, 8, 4603-4615.	0.7	4
46	Small moment ordering in U-doped CeNiSn a $^{1/4}$ SR study. Physica B: Condensed Matter, 1997, 230-232, 673-675.	1.3	4
47	Spin dynamics in the concentrated spin-glass system Y(Al _{1-x} Fe _x) ₂ . Physica B: Condensed Matter, 2000, 289-290, 213-216.	1.3	4
48	A neutron polarisation analysis study of the spin-glass phase of Y(Al _{1-x} Fe _x) ₂ . Applied Physics A: Materials Science and Processing, 2002, 74, s689-s691.	1.1	4
49	Evidence for a Spin Emulsion. Physical Review Letters, 2008, 101, 227202.	2.9	4
50	Structural distortions in doped YMn ₂ compounds. Physica B: Condensed Matter, 1997, 234-236, 596-598.	1.3	3
51	A $^{1/4}$ SR study of anomalous rare-earth spin dynamics in RNi ₂ B ₂ C (R = Er, Tb). Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1111-1112.	1.0	3
52	The loss of antiferromagnetism in Fe-substituted YMn ₂ . Applied Physics A: Materials Science and Processing, 2002, 74, s865-s867.	1.1	3
53	A novel approach to modelling non-exponential spin glass relaxation. Physica B: Condensed Matter, 2007, 397, 99-101.	1.3	3
54	A $^{1/4}$ SR Study of Er Spin Dynamics in (Y _{1-x} Er _x)Ni ₂ B ₂ C Superconductors. Hyperfine Interactions, 2001, 136/137, 313-319.	0.2	2

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55	μ SR and neutron scattering studies of spin dynamics. Physica B: Condensed Matter, 2004, 350, 17-25.	1.3	2
56	Three Dimensional Mapping of Texture in Dental Enamel. Key Engineering Materials, 2007, 361-363, 877-880.	0.4	2
57	Pressure Dependent Magnetism in $Y_{1.05}(Mn_{0.95}Al_{0.05})_2$. Physics Procedia, 2012, 30, 198-201.	1.2	2
58	Remote visual monitoring during time resolved in situ neutron diffraction study of recrystallization of melt-cast $Bi_{1.6}Pb_{0.4}Sr_2Ca_3Cu_4O_y$ by passage of dc current. Review of Scientific Instruments, 1998, 69, 2475-2479.	0.6	1
59	Magnetic correlations in $Nb_{1-y}Fe_{2+y}$. Applied Physics A: Materials Science and Processing, 2002, 74, s862-s864.	1.1	1
60	Neutron Scattering and μ SR Studies of Spin Fluctuations in Frustrated Itinerant Magnets. , 1998, , 15-26.		1
61	Magnetic small angle neutron scattering from AuFe alloys in low dc fields. Journal of Magnetism and Magnetic Materials, 1979, 14, 247-249.	1.0	0
62	Multiferroic (ferroelectro-magnetic) properties of bismuth ferrite lead titanate $(Bi_{1-x}FeO_3)_{1-x}(PbTiO_3)_x$. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
63	A neutron polarization analysis study of moment correlations in $(Dy_{0.4}Y_{0.6})T_2$ (T = Mn, Al). Journal of Physics Condensed Matter, 2011, 23, 164205.	0.7	0