

# R Cywinski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12038224/publications.pdf>

Version: 2024-02-01

63  
papers

1,817  
citations

331538

21  
h-index

265120

42  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-dependent spin fluctuations and magnetic structure in the topologically frustrated spin glass alloy Y(Mn <sub>1-x</sub> Al <sub>x</sub> ) <sub>2</sub> . <i>Physical Review Letters</i> , 2012, 107, 077201.	1.1	5
2	Pressure Dependent Magnetism in Y <sub>1.05</sub> (Mn <sub>0.95</sub> Al <sub>0.05</sub> ) <sub>2</sub> . <i>Physics Procedia</i> , 2012, 30, 198-201.	1.2	2
3	Nonunitary Triplet Pairing in the Centrosymmetric Superconductor LaNiGa <sub>2</sub> . <i>Physical Review Letters</i> , 2012, 109, 097001.	2.9	109
4	A neutron polarization analysis study of moment correlations in (Dy <sub>0.4</sub> Y <sub>0.6</sub> ) <sub>2</sub> (T = Mn, Al). <i>Journal of Physics Condensed Matter</i> , 2011, 23, 164205.	0.7	0
5	Relativistic analysis of the pairing symmetry of the noncentrosymmetric superconductor LaNiC <sub>2</sub> . <i>Physical Review B</i> , 2010, 82, 020407.	1.1	65
6	Structural and dynamical study of moment localization in Mn <sub>2</sub> . <i>Physical Review B</i> , 2010, 82, 020407.	1.1	12
7	Magnetic short-range order in $\hat{I}^2$ -Mn <sub>1-x</sub> Cox. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 124216.	0.7	10
8	Evidence for Time-Reversal Symmetry Breaking in the Noncentrosymmetric Superconductor LaNiC <sub>2</sub> . <i>Physical Review Letters</i> , 2009, 102, 117007.	2.9	275
9	Generalized Spin-Glass Relaxation. <i>Physical Review Letters</i> , 2009, 102, 097202.	2.9	146
10	Evidence for a Spin Emulsion. <i>Physical Review Letters</i> , 2008, 101, 227202.	2.9	4
11	Neutron polarization analysis study of the frustrated magnetic ground state of Mn <sub>2</sub> . <i>Physical Review B</i> , 2008, 78, 020407.	1.1	15
12	Three Dimensional Mapping of Texture in Dental Enamel. <i>Key Engineering Materials</i> , 2007, 361-363, 877-880.	0.4	2
13	Multiferroic (ferroelectro-magnetic) properties of bismuth ferrite lead titanate (BiFeO <sub>3</sub> ) <sub>1-x</sub> (PbTiO <sub>3</sub> ) <sub>x</sub> . Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
14	2D mapping of texture and lattice parameters of dental enamel. <i>Biomaterials</i> , 2007, 28, 2908-2914.	5.7	99
15	A novel approach to modelling non-exponential spin glass relaxation. <i>Physica B: Condensed Matter</i> , 2007, 397, 99-101.	1.3	3
16	$\hat{I}^2$ SR and neutron scattering studies of spin dynamics. <i>Physica B: Condensed Matter</i> , 2004, 350, 17-25.	1.3	2
17	Non-Fermi-Liquid Behavior of Electron-Spin Fluctuations in an Elemental Paramagnet. <i>Physical Review Letters</i> , 2002, 89, 186403.	2.9	43
18	Evidence for boron-carbon disorder in YNi <sub>2</sub> B <sub>2</sub> C. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s823-s825.	1.1	7

#	ARTICLE	IF	CITATIONS
19	The loss of antiferromagnetism in Fe-substituted YMn <sub>2</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s865-s867.	1.1	3
20	A neutron polarisation analysis study of the spin-glass phase of Y(Al <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s689-s691.	1.1	4
21	Magnetic correlations in Nb <sub>1-y</sub> Fe <sub>2+y</sub> . Applied Physics A: Materials Science and Processing, 2002, 74, s862-s864.	1.1	1
22	A <sup>14</sup> SR Study of Er Spin Dynamics in (Y <sub>1-x</sub> Er <sub>x</sub> )Ni <sub>2</sub> B <sub>2</sub> C Superconductors. Hyperfine Interactions, 2001, 136/137, 313-319.	0.2	2
23	Spin dynamics in the concentrated spin-glass system Y(Al <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> . Physica B: Condensed Matter, 2000, 289-290, 213-216.	1.3	4
24	Real-time kinetic neutron powder diffraction study of the phase transition from alpha-Mn to beta-Mn. Journal of Physics Condensed Matter, 1999, 11, 7095-7102.	0.7	12
25	<sup>14</sup> SR evidence for the spin-liquid to spin-glass transition in Mn <sub>1-x</sub> Al <sub>x</sub> . Physical Review B, 1999, 59, 4305-4313.	1.1	33
26	Moment localisation in <sup>2</sup> -MnAl. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 602-604.	1.0	11
27	Dynamic spin correlations in (Dy <sub>1-x</sub> Y <sub>x</sub> )Mn <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1480-1481.	1.0	5
28	A <sup>14</sup> SR study of anomalous rare-earth spin dynamics in RNi <sub>2</sub> B <sub>2</sub> C (R = Er, Tb). Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1111-1112.	1.0	3
29	Remote visual monitoring during time resolved in situ neutron diffraction study of recrystallization of melt-cast Bi <sub>1.6</sub> Pb <sub>0.4</sub> Sr <sub>2</sub> Ca <sub>3</sub> Cu <sub>4</sub> O <sub>y</sub> by passage of dc current. Review of Scientific Instruments, 1998, 69, 2475-2479.	0.6	1
30	Muon spin relaxation in a superparamagnet: Field dynamics in Cu <sub>98</sub> Co <sub>2</sub> . Physical Review B, 1998, 58, 11544-11551.	1.1	28
31	Neutron Scattering and <sup>14</sup> SR Studies of Spin Fluctuations in Frustrated Itinerant Magnets. , 1998, , 15-26.		1
32	The classification of superconductors using muon spin rotation. Applied Magnetic Resonance, 1997, 13, 95-109.	0.6	43
33	Small moment ordering in U-doped CeNiSn <sup>14</sup> SR study. Physica B: Condensed Matter, 1997, 230-232, 673-675.	1.3	4
34	Structural distortions in doped YMn <sub>2</sub> compounds. Physica B: Condensed Matter, 1997, 234-236, 596-598.	1.3	3
35	Muon spin relaxation in deuterides. Journal of Physics Condensed Matter, 1996, 8, 4603-4615.	0.7	4
36	<sup>14</sup> SR studies of the spin glass phase of Cr <sub>1-x</sub> Fe <sub>x</sub> . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 45-46.	1.0	4

#	ARTICLE	IF	CITATIONS
37	Neutron and $\mu$ SR studies of spin fluctuations in YMn <sub>2</sub> and related alloys. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 805-806.	1.0	19
38	Intrinsic and induced Mn moments in Dy <sub>1-x</sub> Y <sub>x</sub> Mn <sub>2</sub> . Physical Review B, 1994, 50, 9894-9905.	1.1	22
39	Dynamics in canonical spin glasses observed by muon spin depolarization. Physical Review Letters, 1994, 72, 1291-1294.	2.9	126
40	A $\mu$ SR determination of the penetration depth in superconducting YNi <sub>2</sub> B <sub>2</sub> C. Physica C: Superconductivity and Its Applications, 1994, 233, 273-280.	0.6	24
41	A $\mu$ SR study of spin density wave condensation in Cr <sub>85</sub> Mo <sub>15</sub> . Hyperfine Interactions, 1994, 85, 209-214.	0.2	4
42	Spin dynamics in the spin glass phase of Y(Mn <sub>1-x</sub> Al <sub>x</sub> ) <sub>2</sub> . Hyperfine Interactions, 1994, 85, 215-220.	0.2	28
43	The magnetic structure of HoMn <sub>2</sub> . Journal of Physics Condensed Matter, 1992, 4, 1559-1566.	0.7	40
44	Low temperature structural distortions in RMn <sub>2</sub> compounds. Physica B: Condensed Matter, 1992, 180-181, 606-608.	1.3	7
45	Pressure dependence of the magnetic order in YMn <sub>2</sub> and TbMn <sub>2</sub> . Physica B: Condensed Matter, 1992, 180-181, 108-110.	1.3	39
46	Evolution of magnetic correlations in Fe-substituted TbMn <sub>2</sub> . Physica B: Condensed Matter, 1992, 180-181, 111-113.	1.3	11
47	Suppression of local moment formation in Ce doped YMn <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1421-1423.	1.0	9
48	Muon spin rotation in DyMn <sub>2</sub> and TbMn <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1424-1426.	1.0	4
49	The magnetic phase diagram of (Dy <sub>x</sub> Y <sub>1-x</sub> )Mn <sub>2</sub> alloys. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1427-1428.	1.0	5
50	Magnetic order and moment stability in YMn <sub>2</sub> . Journal of Physics Condensed Matter, 1991, 3, 6473-6488.	0.7	62
51	A $\mu$ SR and neutron polarisation analysis study of Mn moment delocalisation in Fe substituted YMn <sub>2</sub> . Hyperfine Interactions, 1991, 64, 427-433.	0.2	16
52	The magnetic structure of DyMn <sub>2</sub> . Journal of Physics Condensed Matter, 1991, 3, 727-738.	0.7	76
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	A Mössbauer effect study of the structural and magnetic properties of Co-Ga alloys. Journal of Magnetism and Magnetic Materials, 1982, 28, 64-76.	1.0	12
57	The frequency-dependent magnetisation of quenched Co <sub>0.54</sub> Ga <sub>0.46</sub> . Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 77, 284-286.	0.9	7
58	The superparamagnetic response of a Co <sub>54</sub> Ga <sub>46</sub> alloy to low d.c. fields. Solid State Communications, 1980, 33, 553-555.	0.9	9
59	Vacancies and site occupation in Co-Ga-Fe alloys (Mossbauer study). Journal of Physics F: Metal Physics, 1980, 10, 2093-2104.	1.6	19
60	Atomic clustering and magnetic defects in antiferromagnetic Cr-6.5at%Fe. Journal of Physics F: Metal Physics, 1980, 10, 693-706.	1.6	22
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	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
63	Small-angle neutron scattering from superparamagnetic assemblies in binary CoGa alloys. Journal of Physics F: Metal Physics, 1977, 7, 2567-2581.	1.6	52