

Andrew R Wildes

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147
papers

3,680
citations

31
h-index

56
g-index

160
ext. papers

4,351
ext. citations

4.4
avg, IF

5.01
L-index

#	Paper	IF	Citations
147	Magnetic Coulomb phase in the spin ice Ho ₂ Ti ₂ O ₇ . <i>Science</i> , 2009 , 326, 415-7	33.3	398
146	Bose-Einstein condensation of the triplet states in the magnetic insulator TlCuCl ₃ . <i>Nature</i> , 2003 , 423, 62-5	50.4	382
145	Spin correlations in Ho ₂ Ti ₂ O ₇ : a dipolar spin ice system. <i>Physical Review Letters</i> , 2001 , 87, 047205	7.4	241
144	Er ₂ Ti ₂ O ₇ : Evidence of quantum order by disorder in a frustrated antiferromagnet. <i>Physical Review B</i> , 2003 , 68,	3.3	190
143	Magnetoelectric MnPS ₃ as a candidate for ferrotoroidicity. <i>Physical Review B</i> , 2010 , 82,	3.3	98
142	Magnetic structure of the quasi-two-dimensional antiferromagnet NiPS ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	97
141	Spin waves and the critical behaviour of the magnetization in. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 6417-6428	1.8	88
140	Observation of magnetic fragmentation in spin ice. <i>Nature Physics</i> , 2016 , 12, 746-750	16.2	84
139	Glass transition in the polaron dynamics of colossal magnetoresistive manganites. <i>Physical Review Letters</i> , 2002 , 89, 036401	7.4	81
138	Pinch points and Kasteleyn transitions in kagome ice. <i>Nature Physics</i> , 2007 , 3, 566-572	16.2	79
137	Origin of the giant magnetic moment in epitaxial Fe ₃ O ₄ thin films. <i>Physical Review B</i> , 2010 , 81,	3.3	70
136	Static and dynamic critical properties of the quasi-two-dimensional antiferromagnet MnPS ₃ . <i>Physical Review B</i> , 2006 , 74,	3.3	68
135	Observation of two-dimensional spin fluctuations in the bilayer ruthenate Sr ₃ Ru ₂ O ₇ by inelastic neutron scattering. <i>Physical Review B</i> , 2003 , 67,	3.3	63
134	Magnetic structure and magnon dynamics of the quasi-two-dimensional antiferromagnet FePS ₃ . <i>Physical Review B</i> , 2016 , 94,	3.3	62
133	Atomically Layered and Ordered Rare-Earth i-MAX Phases: A New Class of Magnetic Quaternary Compounds. <i>Chemistry of Materials</i> , 2019 , 31, 2476-2485	9.6	53
132	Structure of pH-Responsive Polymer Brushes Grown at the Gold/Water Interface: Dependence on Grafting Density and Temperature. <i>Macromolecules</i> , 2012 , 45, 305-312	5.5	52
131	Intra-unit-cell magnetic correlations near optimal doping in YBa ₂ Cu ₃ O _{6.85} . <i>Nature Communications</i> , 2015 , 6, 7705	17.4	50

130	Energy separation of single-particle and continuum states in an $S = 1/2$ weakly coupled chains antiferromagnet. <i>Physical Review Letters</i> , 2000 , 85, 4799-802	7.4	50
129	The magnetic properties and structure of the quasi-two-dimensional antiferromagnet CoPS. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 455801	1.8	48
128	The magnon dynamics and spin exchange parameters of FePS3. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 416004	1.8	45
127	Recent upgrades of the neutron reflectometer D17 at ILL. <i>Journal of Applied Crystallography</i> , 2018 , 51, 249-256	3.8	44
126	Polarized-Neutron Observation of Longitudinal Haldane-Gap Excitations in Nd ₂ BaNiO ₅ . <i>Physical Review Letters</i> , 1999 , 82, 2382-2385	7.4	42
125	Pressure-Induced Electronic and Structural Phase Evolution in the van der Waals Compound FePS ₃ . <i>Physical Review Letters</i> , 2018 , 121, 266801	7.4	42
124	The low-temperature highly correlated quantum phase in the charge-density-wave 1T-TaS ₂ compound. <i>Npj Quantum Materials</i> , 2017 , 2,	5	40
123	Magnetic exchange parameters and anisotropy of the quasi-two-dimensional antiferromagnet NiPS ₃ . <i>Physical Review B</i> , 2018 , 98,	3.3	36
122	Collective ion diffusion and localized single particle dynamics in pyridinium-based ionic liquids. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 14452-60	3.4	35
121	Spin correlations and exchange in square-lattice frustrated ferromagnets. <i>Europhysics Letters</i> , 2009 , 88, 57005	1.6	34
120	True two-dimensional magnetic ordering in MnPS ₃ . <i>Journal of Physics Condensed Matter</i> , 1994 , 6, L335-L341	1.4	34
119	Thermal denaturation of DNA studied with neutron scattering. <i>Physical Review Letters</i> , 2011 , 106, 048101	1.4	33
118	Patterning polymer-fullerene nanocomposite thin films with light. <i>Advanced Materials</i> , 2013 , 25, 985-91	2.4	32
117	Highly amorphous Fe ₉₀ Zr ₁₀ thin films, and the influence of crystallites on the magnetism. <i>Thin Solid Films</i> , 2010 , 519, 404-409	2.2	31
116	Scientific Reviews: Neutron Polarization Analysis Corrections Made Easy. <i>Neutron News</i> , 2006 , 17, 17-25	0.4	31
115	Highly frustrated magnetism in SrHo ₂ O ₄ : Coexistence of two types of short-range order. <i>Physical Review B</i> , 2013 , 88,	3.3	30
114	Statics and dynamics of the highly correlated spin ice Ho ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2012 , 86,	3.3	29
113	Ordering and excitations in the field-induced magnetic phase of Cs ₃ Cr ₂ Br ₉ . <i>Physical Review Letters</i> , 2004 , 92, 177202	7.4	27

112	The polarizer-analyzer correction problem in neutron polarization analysis experiments. <i>Review of Scientific Instruments</i> , 1999 , 70, 4241-4245	1.7	24
111	Iron and nitrogen self-diffusion in non-magnetic iron nitrides. <i>Journal of Applied Physics</i> , 2011 , 110, 123518	3.6	22
110	Structure and dynamics of phospholipid bilayer films under electrochemical control. <i>Faraday Discussions</i> , 2010 , 145, 357-379	3.6	22
109	Understanding magnetic interactions in the series A ₂ FeX ₅ H ₂ O (A=K, Rb; X=Cl, Br). II. Inelastic neutron scattering and DFT studies. <i>Physical Review B</i> , 2008 , 78,	3.3	21
108	The ³ He polarizing filter on the neutron reflectometer D17. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 1134-1137	2.8	21
107	A search for non-collinear ferromagnetism in INVAR. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 521-530	5.30	21
106	Role of defects in determining the magnetic ground state of ytterbium titanate. <i>Nature Communications</i> , 2019 , 10, 637	17.4	19
105	Evolution of structural and magnetic properties of amorphous CoFeB film with thermal annealing. <i>Journal of Applied Physics</i> , 2013 , 114, 063903	2.5	19
104	Incommensurate antiferromagnetic order in the manifoldly-frustrated SrTb ₂ O ₄ with transition temperature up to 4.28 K. <i>Frontiers in Physics</i> , 2014 , 2,	3.9	19
103	Disorder and Quantum Spin Ice. <i>Physical Review X</i> , 2017 , 7,	9.1	18
102	Generalization of the classical xyz-polarization analysis technique to out-of-plane and inelastic scattering. <i>Review of Scientific Instruments</i> , 2013 , 84, 093901	1.7	18
101	Neutron polarisation analysis of Polymer:Fullerene blends for organic photovoltaics. <i>Polymer</i> , 2016 , 105, 407-413	3.9	17
100	Tuning dimensionality in van-der-Waals antiferromagnetic Mott insulators TMPS. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 124003	1.8	16
99	Structural correlations and melting of B-DNA fibers. <i>Physical Review E</i> , 2011 , 83, 061923	2.4	16
98	The magnetic structures of some Fe _{100-x} Zr _x metallic glasses. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 675-691	1.8	16
97	The structure of epitaxially grown thin films: a study of niobium on sapphire. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, L631-L637	1.8	16
96	Role of the doping level in localized proton motions in acceptor-doped barium zirconate proton conductors. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 13697-13704	3.6	15
95	Magnetoelastic interaction in the two-dimensional magnetic material MnPS ₃ studied by first principles calculations and Raman experiments. <i>2D Materials</i> , 2020 , 7, 035030	5.9	14

94	A quantum liquid of magnetic octupoles on the pyrochlore lattice. <i>Nature Physics</i> , 2020 , 16, 546-552	16.2	14
93	Some Considerations on Resolution and Coherence Length in Reflectometry \square <i>Langmuir</i> , 2003 , 19, 7823-7828	14	
92	Magnetic state of Yb in Kondo-lattice YbNi ₂ B ₂ C. <i>Physical Review B</i> , 2003 , 67,	3.3	14
91	Orientation of the intra-unit-cell magnetic moment in the high-T _c superconductor HgBa ₂ CuO ₄ + \square <i>Physical Review B</i> , 2018 , 98,	3.3	14
90	Dynamically slow solid-to-solid phase transition induced by thermal treatment of DimimFeCl ₄ magnetic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 21881-92	3.6	13
89	Two-dimensional critical fluctuations in MnPS ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 177-181, 143-144	2.8	13
88	Dipolar Spin Ice States with a Fast Monopole Hopping Rate in CdEr ₂ X ₄ (X=Se, S). <i>Physical Review Letters</i> , 2018 , 120, 137201	7.4	12
87	Short-range magnetic correlations and spin dynamics in the paramagnetic regime of (Mn,Fe) ₂ (P,Si). <i>Physical Review B</i> , 2016 , 94,	3.3	12
86	Isostructural Mott transition in 2D honeycomb antiferromagnet V _{0.9} PS ₃ . <i>Npj Quantum Materials</i> , 2019 , 4,	5	12
85	Exchange bias induced by O ion implantation in ferromagnetic thin films. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 405004	3	12
84	Ferromagnetic clusters and superconducting order in La _{0.7} Ca _{0.3} MnO ₃ \square Ba ₂ Cu ₃ O ₇ \square heterostructures. <i>Physical Review B</i> , 2006 , 74,	3.3	12
83	Ordering and the nature of the spin flop phase transition in MnPS ₃ . <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 1845-1854	1.8	12
82	Dipolar-octupolar Ising antiferromagnetism in Sm ₂ Ti ₂ O ₇ : A moment fragmentation candidate. <i>Physical Review B</i> , 2018 , 98,	3.3	12
81	Possible evidence for a spin-state crossover in the Verwey state in Fe ₃ O ₄ thin films. <i>Physical Review B</i> , 2016 , 93,	3.3	11
80	Spin dynamics in Sr ₃ Ru ₂ O ₇ near the metamagnetic transition by inelastic neutron scattering. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1270-1272	2.8	11
79	Pressure dependence of the spin dynamics around a quantum critical point: an inelastic neutron scattering study of Ce _{0.87} La _{0.13} Ru ₂ Si ₂ . <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 8303-8315	1.8	11
78	Linking Structure to Dynamics in Protic Ionic Liquids: A Neutron Scattering Study of Correlated and Single-Particle Motions. <i>Scientific Reports</i> , 2018 , 8, 16400	4.9	11
77	Magnetization, crystal structure and anisotropic thermal expansion of single-crystal SrEr ₂ O ₄ . <i>RSC Advances</i> , 2014 , 4, 53602-53607	3.7	10

76	Field-induced magnetic states in holmium tetraboride. <i>Physical Review B</i> , 2017 , 95,	3.3	9
75	Absence of magnetic ordering in the ground state of a SrTm ₂ O ₄ single crystal. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7658-7668	7.1	9
74	High field magnetization of FePS ₃ . <i>Physical Review B</i> , 2020 , 101,	3.3	9
73	Spectroscopic properties of a freestanding MnPS ₃ single layer. <i>Physical Review B</i> , 2018 , 98,	3.3	9
72	Real-space investigation of short-range magnetic correlations in fluoride pyrochlores NaCaCo ₂ F ₇ and NaSrCo ₂ F ₇ with magnetic pair distribution function analysis. <i>Physical Review Materials</i> , 2017 , 1,	3.2	9
71	Spin waves in the two-dimensional honeycomb lattice XXZ-type van der Waals antiferromagnet CoPS ₃ . <i>Physical Review B</i> , 2020 , 102,	3.3	9
70	Glassy behavior of denatured DNA films studied by differential scanning calorimetry. <i>Journal of Physical Chemistry B</i> , 2012 , 116, 4394-402	3.4	8
69	Magnetic excitations in Dy/Y superlattices as seen via inelastic neutron scattering. <i>Physical Review B</i> , 2010 , 82,	3.3	8
68	The magnetic structure of (metallic glasses. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 2617-2630	1.8	8
67	Use of the ³ He filter in search of the in-chain spin correlations in YBa ₂ Cu ₃ O _{6+x} . <i>Physica B: Condensed Matter</i> , 1999 , 267-268, 252-254	2.8	8
66	Accessible length scale of the in-plane structure in polarized neutron off-specular and grazing-incidence small-angle scattering measurements. <i>Journal of Physics: Conference Series</i> , 2017 , 862, 012017	0.3	7
65	Symmetric and asymmetric instability of buried polymer interfaces. <i>Physical Review E</i> , 2012 , 86, 032801	2.4	7
64	Purification of A-form DNA fiber samples by the removal of B-form DNA residues. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 1849-56	3.4	7
63	Polarized Neutron Reflectivity Investigation of Periodic Magnetic Rings. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 2731-2733	2	7
62	Does non-collinear ferromagnetism exist in INVAR?. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 536-538	2.8	7
61	Coupled magnetic excitations in single crystal PrBa(2)Cu(3)O(6.2). <i>Physical Review Letters</i> , 2001 , 86, 5994-7	4.7	7
60	Investigation of the dynamics of aqueous proline solutions using neutron scattering and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27739-27754	3.6	6
59	Chemical and magnetic structure of uranium/gadolinium multilayers studied by transmission electron microscopy, neutron scattering, and x-ray reflectivity. <i>Physical Review B</i> , 2010 , 81,	3.3	6

58	A polarized neutron study of some Co _{1-x} Mn _x alloys. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 8961-8988	6
57	Local nuclear and magnetic order in the two-dimensional spin glass Mn _{0.5} Fe _{0.5} PS ₃ . <i>Physical Review Materials</i> , 2020 , 4,	3.2 6
56	Combined specular and off-specular reflectometry: elucidating the complex structure of soft buried interfaces. <i>Journal of Applied Crystallography</i> , 2021 , 54,	3.8 6
55	Kinky DNA in solution: Small-angle-scattering study of a nucleosome positioning sequence. <i>Physical Review E</i> , 2018 , 98,	2.4 6
54	Distinct itinerant spin-density waves and local-moment antiferromagnetism in an intermetallic ErPd ₂ Si ₂ single crystal. <i>Scientific Reports</i> , 2015 , 5, 7968	4.9 5
53	Thermal denaturation of A-DNA. <i>New Journal of Physics</i> , 2014 , 16, 113017	2.9 5
52	Surfactant induced symmetric and thermally stable interfaces in Cu/Co multilayers. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 485003	1.8 5
51	Segregation and interdiffusion in (Fe,Co)/Pt superlattices. <i>Physical Review B</i> , 2009 , 79,	3.3 5
50	Magnetism of monomer MnO and heterodimer FePt@MnO nanoparticles. <i>Physical Review B</i> , 2017 , 95,	3.3 4
49	Field-Induced Transitions in Highly Frustrated SrHo ₂ O ₄ . <i>Crystals</i> , 2019 , 9, 488	2.3 4
48	Evidence for biquadratic exchange in the quasi-two-dimensional antiferromagnet FePS ₃ . <i>Journal of Applied Physics</i> , 2020 , 127, 223903	2.5 4
47	Dipolar spin ice under uniaxial pressure. <i>Physical Review B</i> , 2019 , 100,	3.3 4
46	Sperimagnetism in Fe ₇₈ Er ₅ B ₁₇ and Fe ₆₄ Er ₁₉ B ₁₇ metallic glasses: I. Moment values and non-collinear components. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 496004	1.8 4
45	High energy excitations measured by neutron spectroscopy in FePS ₃ . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 124214	1.8 4
44	The ³ He filter on a polarized thermal neutron three-axis spectrometer. <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 136-138	2.8 4
43	Spin dynamics in the BEC phase of the S=1/2 quantum spin system TlCuCl ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 195-196	2.8 4
42	Evidence of collinear ferrimagnetism in (Fe, Tb)B metallic glasses from polarized beam neutron scattering. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 3585-3596	1.8 4
41	Monte Carlo simulation of neutron fluxes on an absolute scale [comparison to experiments]. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 148-149	2.8 4

40	Strong change in spin dynamics close to percolation in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 562-563	2.8	4
39	Spin Dynamics and Unconventional Coulomb Phase in $\text{Nd}_{2}\text{Zr}_{2}\text{O}_{7}$. <i>Physical Review Letters</i> , 2021 , 126, 247201	7.4	4
38	Search for nonreciprocal magnons in MnPS_3 . <i>Physical Review B</i> , 2021 , 103,	3.3	4
37	Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet FePS_3 . <i>Physical Review X</i> , 2021 , 11,	9.1	4
36	Spin correlations in the dipolar pyrochlore antiferromagnet GdSnO . <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 144001	1.8	3
35	Elevated Curie temperature and half-metallicity in the ferromagnetic semiconductor $\text{La}_x\text{Eu}_{1-x}\text{O}$. <i>Physical Review B</i> , 2015 , 92,	3.3	3
34	Melting Transition of Oriented DNA Fibers Submerged in Poly(ethylene glycol) Solutions Studied by Neutron Scattering and Calorimetry. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 2504-2515	3.4	3
33	Sperimagnetism in $\text{Fe}_{78}\text{Er}_{5}\text{B}_{17}$ and $\text{Fe}_{64}\text{Er}_{19}\text{B}_{17}$ metallic glasses: II. Collinear components and ferrimagnetic compensation. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 496005	1.8	3
32	Neutron scattering measurements of magnetic excitations in Gd/Y superlattices. <i>Applied Physics Letters</i> , 2010 , 96, 192505	3.4	3
31	The influence of interfacial roughness on the coherence of structure and magnetic coupling across barriers in Fe/MgO multilayers. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 226004	1.8	3
30	Local spin susceptibility in KCuCl_3 . <i>Physica B: Condensed Matter</i> , 2003 , 335, 37-40	2.8	3
29	Large spin fluctuations and moment-volume coupling in Fe in an FCC environment. <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 728-729	2.8	3
28	A study of the structures of some $(\text{FeRu})\text{B}$ metallic glasses by x-ray and neutron scattering. <i>Journal of Physics Condensed Matter</i> , 1999 , 11, 9139-9150	1.8	3
27	Melting of highly oriented fiber DNA subjected to osmotic pressure. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4441-9	3.4	2
26	Magnetic correlations in the magnetocaloric materials Mn_3GaC and $\text{Mn}_3\text{GaC}_{0.85}\text{N}_{0.15}$ studied by neutron polarization analysis and neutron depolarization. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 13LT02	1.8	2
25	Short-range cation and spin ordering in the relaxor ferromagnet $\text{La}_3\text{Ni}_2\text{SbO}_9$ studied by polarized-neutron scattering and Monte-Carlo methods. <i>Journal of Solid State Chemistry</i> , 2019 , 278, 120920	3.3	2
24	Non-collinear ferrimagnetism in a $\text{Fe}_{64}\text{Er}_{19}\text{B}_{17}$ metallic glass. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 296003	1.8	2
23	Some observations on polarized neutron reflectivity in applied fields. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 295216	1.8	2

22	Designing new guides and instruments using McStas. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s1471-s1473	2.6	2
21	The magnetic structure of Fe ₇₈ Si ₉ B ₁₃ commercial metallic glasses. <i>Europhysics Letters</i> , 2004 , 68, 582-588		2
20	Non-collinear ferromagnetism in Fe ₇₈ Si ₉ B ₁₃ metallic glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1470-1472	2.8	2
19	TRIPLET MODES IN A QUANTUM SPIN LIQUID ACROSS THE CRITICAL FIELD. <i>International Journal of Modern Physics B</i> , 2002 , 16, 3302-3305	1.1	2
18	Neutron Reflection at the Calcite-Liquid Interface 2012 , 91-99		2
17	Spin-chain correlations in the frustrated triangular lattice material CuMnO. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 445802	1.8	2
16	Morphological and Structural Properties of Amorphous Lactulose Studied by Scanning Electron Microscopy, Polarized Neutron Scattering, and Molecular Dynamics Simulations. <i>Molecular Pharmaceutics</i> , 2020 , 17, 10-20	5.6	2
15	Magnetic structure and low-temperature properties of geometrically frustrated SrNd ₂ O ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	2
14	MnO nanoparticles as the cause of ferromagnetism in bulk dilute Mn-doped ZnO. <i>Applied Physics Letters</i> , 2016 , 109, 252405	3.4	2
13	Neutron diffraction and short range ordering study in multiferroic Bi ₂ Fe ₄ O ₉ . <i>Materials Research Express</i> , 2019 , 6, 066107	1.7	1
12	High-resolution x-ray scattering from epitaxial thin films of Y/Nb on AlO. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 374006	1.8	1
11	Speromagnetism at the ferrimagnetic compensation point in an Fe ₆₄ Er ₁₉ B ₁₇ metallic glass [the head of a dandelion, or the spokes of a wheel?]. <i>Journal of the Korean Physical Society</i> , 2013 , 63, 517-520	0.6	1
10	Inelastic scattering measured on a neutron reflectometer. <i>European Physical Journal Plus</i> , 2012 , 127, 1	3.1	1
9	The effect of β -Fe crystallites on the magnetic structures of Fe _{100-x} Zrx glasses. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 032006	0.3	1
8	Fe and N diffusion in nitrogen-rich FeN measured using neutron reflectometry 2008 , 71, 1085-1089		1
7	Phonon dispersion relations in PrBa ₂ Cu ₃ O _{6+x} (x \approx 0.2). <i>Physical Review B</i> , 2004 , 69,	3.3	1
6	Quantum melting of a spin density-wave under pressure: an inelastic neutron scattering study of Ce _{0.87} La _{0.13} Ru ₂ Si ₂ . <i>Physica B: Condensed Matter</i> , 2002 , 312-313, 431-432	2.8	1
5	Polarization analysis of low-energy excitations in single-domain Cr. <i>Physica B: Condensed Matter</i> , 1999 , 267-268, 255-258	2.8	1

4	Magnetic-field-controlled spin fluctuations and quantum criticality in SrRuO. <i>Nature Communications</i> , 2021 , 12, 5798	17.4	o
3	Geometric Frustration on the Trillium Lattice in a Magnetic Metal-Organic Framework.. <i>Physical Review Letters</i> , 2022 , 128, 177201	7.4	o
2	Magnetic structure and spin excitations in the field-induced phase of the spin-dimer system Cs ₃ Cr ₂ Br ₉ . <i>Physica B: Condensed Matter</i> , 2004 , 350, E261-E264	2.8	
1	Melting transition of oriented Li-DNA fibers submerged in ethanol solutions. <i>Biopolymers</i> , 2021 , 112, e23422	2.2	