J R Stewart

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7206291/publications.pdf

Version: 2024-02-01

100	1,934	236925	289244
papers	citations	25 h-index	40 g-index

101	101	101	2059
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetism of two-dimensional honeycomb layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Na</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> driven by intermediate Na-layer crystal structure. Physical Review B, 2022, 105, .	3.2	11
2	Crystal field effects in the zig-zag chain compound SrTm2O4. Journal of Magnetism and Magnetic Materials, 2022, 551, 169020.	2.3	1
3	Magnetic structure and exchange interactions in the Heisenberg pyrochlore antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Gd</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Pt</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 105, .	3.2	4
4	Magnetic excitations in long-range stripe-ordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2021, 103, .	3.2	5
5	Spin excitations in metallic kagome lattice FeSn and CoSn. Communications Physics, 2021, 4, .	5.3	23
6	Suppressed-moment 2-k order in the canonical frustrated antiferromagnet Gd2Ti2O7. Npj Quantum Materials, 2021, 6, .	5.2	10
7	Direct evidence for anisotropic three-dimensional magnetic excitations in a hole-doped antiferromagnet. Physical Review B, 2020, 102, .	3.2	5
8	Investigations of the Co-Pt alloy phase diagram with neutron diffuse scattering, inverse cluster variation method, and Monte Carlo simulations. Physical Review B, 2020, 102, .	3.2	2
9	Strong quantum fluctuations from competition between magnetic phases in a pyrochlore iridate. Physical Review B, 2020, 101, .	3.2	6
10	Magnonic Weyl states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review Research, 2020, 2, .	3.2	21
11	Coherent structural relaxation of water from meso- to intermolecular scales measured using neutron spectroscopy with polarization analysis. Physical Review Research, 2020, 2, .	3.6	26
12	Transverse and longitudinal spin-fluctuations in INVAR Fe0.65Ni0.35. Journal of Physics Condensed Matter, 2019, 31, 025802.	1.8	4
13	Anisotropic spin fluctuations in detwinned FeSe. Nature Materials, 2019, 18, 709-716.	27.5	60
14	Quenching of Long Range Order and the Mn³⁺ Ordered Moment in the Layered Antiferromagnet, Ba_xSr_{1â€“x}LaMnO₄. A Polarized Neutron Scattering Study. Inorganic Chemistry, 2019, 58, 4300-4309.	4.0	4
15	Upgrade to the MAPS neutron time-of-flight chopper spectrometer. Review of Scientific Instruments, 2019, 90, 035110.	1.3	37
16	Polarization analysis on the LET cold neutron spectrometer using a ³He spin-filter: first results. Journal of Physics: Conference Series, 2019, 1316, 012007.	0.4	9
17	Magnetic structure of paramagnetic MnO. Physical Review B, 2018, 97, .	3.2	16
18	Polarized primary spectrometer on the LET instrument at ISIS. Physica B: Condensed Matter, 2018, 551, 476-479.	2.7	6

#	Article	IF	Citations
19	Temperature dependence of magnetic excitations in the frustrated antiferromagnetic spinel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>ZnMn</mml:mi><mml:mn>2</mml:mn><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 97, .	3.2	6
20	Spin correlations in the dipolar pyrochlore antiferromagnet Gd₂Sn₂O₇. Journal of Physics Condensed Matter, 2017, 29, 144001.	1.8	7
21	Magnetic ground state of Dy3+ in DyNiAl4. AIP Advances, 2017, 7, .	1.3	6
22	Polarisation analysis on the LET time-of-flight spectrometer. Journal of Physics: Conference Series, 2017, 862, 012019.	0.4	13
23	Neutron polarisation analysis of Polymer:Fullerene blends for organic photovoltaics. Polymer, 2016, 105, 407-413.	3.8	19
24	Conformation-controlled hydrogen storage in the CAU-1 metalâ€“organic framework. Physical Chemistry Chemical Physics, 2016, 18, 29258-29267.	2.8	15
25	Spin-orbit transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>- and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î³</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	3.2	26
26	The use of selected neutron absorption resonance filters to suppress spurious events on hot neutron spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 780, 9-14.	1.6	2
27	Neutronxyzâ€“ polarization analysis at a time-of-flight instrument. EPJ Web of Conferences, 2015, 83, 03004.	0.3	2
28	Spin correlations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Ca</mml:mi><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:msub><mml:mrow /><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math>.	3.2	31
29	Magnetic properties of nano-scale hematite, Î±-Fe2O3, studied by time-of-flight inelastic neutron spectroscopy. Journal of Chemical Physics, 2014, 140, 044709.	3.0	6
30	Emergent Frustration in Co-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-Mn. Physical Review Letters, 2013, 110, 267207.	7.8	42
31	Competing<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>4</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:math>-electron		

#	Article	IF	Citations
37	nd dynamics of the highly correlated spin ice Ho<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Ge<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	34
38	Comment on â€œMagnetic structure of Gd2Ti2O7â€. Physical Review B, 2012, 85, .	3.2	3
39	Neutron studies of an inorganic plastic glass. Journal of Non-Crystalline Solids, 2011, 357, 2502-2510.	3.1	12
40	Spin dynamics, short-range order, and spin freezing in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi fontstyle="normal">Y</mml:mi><mml:mrow><mml:mn>0</mml:mn><mml:mo>.</mml:mo><mml:mn>5</mml:mn></mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:math>Mn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0</mml:mn><mml:mo>.</mml:mo><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>.	3.2	22
41	A neutron polarization analysis study of moment correlations in (Dy0.4Y0.6)T2(T = Mn, Al). Journal of Physics Condensed Matter, 2011, 23, 164205.	1.8	0
42	Optimised adiabatic fast passage spin flipping for 3He neutron spin filters. Physica B: Condensed Matter, 2011, 406, 2436-2438.	2.7	19
43	3He polarization for ISIS TS2 phase I instruments. Physica B: Condensed Matter, 2011, 406, 2429-2432.	2.7	27
44	Slow and static spin correlations in Dy_{2 +x}Ti_{2 â^’x}O_{7 â^’ Î´}. Journal of Physics Condensed Matter, 2011, 23, 164220.	1.8	10
45	Pair correlations, short-range order, and dispersive excitations in the quasi-kagome quantum magnet volborthite. Physical Review B, 2011, 84, .	3.2	24
46	Long-range ordering of reduced magnetic moments in the spin-gap compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CeOs</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m seen via muon spin relaxation and neutron scattering. Physical Review B, 2010, 82, .	3.2	80
47	High-resolution neutron scattering study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Tb</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m A geometrically frustrated spin glass. Physical Review B, 2010, 81, .	3.2	22
48	Phase Separation in the Heisenberg Spin System, Gd[sub 2]Ti[sub 2]O[sub 7]. , 2010, , .		1
49	Structural and dynamical study of moment localization in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi><mml:msub><mml:mrow><mml:mtext>-Mn</mml:mtext></mml:mrow><mml:mr Physical Review B, 2010, 82, .	3.2	12
50	Magnetic short-range order in Î²-Mn1â^’xCox. Journal of Physics Condensed Matter, 2009, 21, 124216.	1.8	10
51	Disordered materials studied using neutron polarization analysis on the multi-detector spectrometer, D7. Journal of Applied Crystallography, 2009, 42, 69-84.	4.5	139
52	Magnetic structure of greigite (Fe₃S₄) probed by neutron powder diffraction and polarized neutron diffraction. Journal of Geophysical Research, 2009, 114, .	3.3	29
53	Scale-Free Antiferromagnetic Fluctuations in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi><mml:mo>=</mml:mo><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mn>2</mml:mn> Antiferromagnet Herbertsmithite. Physical Review Letters, 2009, 103, 237201.	7.8	121
54	First neutron measurements on. Physica B: Condensed Matter, 2008, 403, 1306-1308.	2.7	16

#	Article	IF	Citations
55	Collective dynamics in the Heisenberg pyrochlore antiferromagnetGd2Sn2O7. Physical Review B, 2008, 78, .	3.2	27
56	Neutron polarization analysis study of the frustrated magnetic ground state of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi><mml:msub><mml:mrow><mml:mtext>-Mn</mml:mtext></mml:mrow><mml:mrow	3.2	15
57	The assets of crystal monochromator-Fermi chopper time-of-flight on continuous sources - potential for high efficiency PASTIS operation. Journal of Neutron Research, 2007, 15, 95-104.	1.1	1
58	The magnetic structure of Î²-MnRu. Journal of Physics Condensed Matter, 2007, 19, 145291.	1.8	9
59	Magnetic ground states and spin dynamics of Î²-Mn1â^'xRuxalloys. Journal of Physics Condensed Matter, 2007, 19, 145288.	1.8	5
60	Phase transition of geometrically frustratedTbNiAlin a magnetic field. Physical Review B, 2007, 75, .	3.2	12
61	Low-temperature relaxation in kagome bilayer antiferromagnets. Journal of Physics Condensed Matter, 2007, 19, 145254.	1.8	6
62	Polarized inelastic neutron scattering of the partially ordered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Tb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Sn</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2007, 76, .	3.2	34
63	Spin gaps in pseudo-one-dimensional RMn4Al8 compounds (R=Y, Ce and La). Journal of Magnetism and Magnetic Materials, 2007, 310, 1041-1043.	2.3	4
64	Î¼SR study of the onset of magnetic order in Î²-Mnâ€“Ru alloys. Journal of Magnetism and Magnetic Materials, 2007, 310, 1314-1315.	2.3	2
65	A zero-field SR study of glassy spin dynamics in -MnCu. Journal of Magnetism and Magnetic Materials, 2007, 310, 1520-1522.	2.3	0
66	Phonon-assisted relaxation in a frustrated antiferromagnet. Journal of Magnetism and Magnetic Materials, 2007, 310, 1325-1327.	2.3	0
67	Ring exchange in lanthanum cuprate. Journal of Magnetism and Magnetic Materials, 2007, 310, 1663-1665.	2.3	1
68	Inelastic neutron scattering study of magnetic excitations in the kagome antiferromagnet potassium jarosite. Journal of Physics Condensed Matter, 2006, 18, 8847-8858.	1.8	15
69	Role of disorder and competing ferromagnetic and antiferromagnetic interactions in the magnetic, electrical, and dynamic properties ofLa0.7Pb0.3(Mn1â^'xFex)O3,0â©½xâ©½0.2manganites. Physical Review B, 2006, 73, .	3.2	25
70	Neutron Spin-Echo Investigation of Slow Spin Dynamics in KagomÃ©-Bilayer Frustrated Magnets as Evidence for Phonon Assisted Relaxation inSrCr9xGa12â^'9xO19. Physical Review Letters, 2006, 97, 047203.	7.8	21
71	Dynamic Confinement Effects in Polymer Blends. A Quasielastic Neutron Scattering Study of the Dynamics of Poly(ethylene oxide) in a Blend with Poly(vinyl acetate). Macromolecules, 2006, 39, 3007-3018.	4.8	56
72	Magnetic fluctuations in paramagnetic Mn0.81Ni0.19. Physica B: Condensed Matter, 2006, 385-386, 381-384.	2.7	0

#	Article	IF	Citations
73			

#	Article	IF	Citations
91	The current status of the 3He neutron spin filter (NSF) project at the ILL. Physica B: Condensed Matter, 2001, 297, 282-287.	2.7	15
92	A Î¼SR Study of Er Spin Dynamics in (Y1â^'x Er x)Ni2B2C Superconductors. Hyperfine Interactions, 2001, 136/137, 313-319.	0.5	2
93	Recent news on ILL polarised 3He developments. Physica B: Condensed Matter, 2000, 276-278, 65-66.	2.7	3
94	Magnetic diffuse scattering in disordered systems studied by neutron polarization analysis (invited). Journal of Applied Physics, 2000, 87, 5425-5430.	2.5	25
95	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.	1.8	12
96	Î¼SR evidence for the spin-liquidâ€“toâ€“spin-glass transition inÎ²â^'Mn1â^'xAlx. Physical Review B, 1999, 59, 4305-4313.	3.2	33
97	Diffuse magnetic scattering of polarised neutrons. Physica B: Condensed Matter, 1999, 267-268, 106-114.	2.7	10
98	Moment localisation in Î²-MnAl. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 602-604.	2.3	11
99	A Î¼SR study of anomalous rare-earth spin dynamics in RNi2B2C (R = Er, Tb). Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1111-1112.	2.3	3
100	Neutron spin echo study of a random anisotropy magnet. Physica B: Condensed Matter, 1997, 234-236, 762-763.	2.7	1