

# MERLIN, a new high count rate spectrometer at ISIS

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Unconventional superconductivity in Ba <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> from inelastic neutron scattering. Nature, 2008, 456, 930-932.	13.7	543
2	High-energy spin excitations in BaFe <sub>2</sub> As <sub>2</sub> by inelastic neutron scattering. Physical Review B, 2008, 78, .	1.1	41
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4	Two-Dimensional Spin Density Wave State in LaFeAsO. Journal of the Physical Society of Japan, 2009, 78, 043705.	0.7	37
5	Magnetic excitations of the gapped quantum spin dimer antiferromagnet Sr <sub>3</sub> As <sub>2</sub> . Physical Review B, 2010, 81, .	1.1	41
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7	Data acquisition system for high resolution chopper spectrometer (HRC) at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 421-426.	0.7	16
8	Experimental arrangements suitable for the acquisition of inelastic neutron scattering spectra of heterogeneous catalysts. Review of Scientific Instruments, 2011, 82, 034101.	0.6	24
9	Design and operation of the wide angular-range chopper spectrometer ARCS at the Spallation Neutron Source. Review of Scientific Instruments, 2012, 83, 015114.	0.6	210
10	Spin-wave excitations and superconducting resonant mode in Fe <sub>2</sub> Se <sub>2</sub> . Physical Review B, 2012, 85, 014407.	1.1	32
11	IMPACT OF THE CRYOGEN FREE REVOLUTION ON NEUTRON SCATTERING LABORATORIES. Modern Physics Letters B, 2012, 26, 1230006.	1.0	7
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15	Nature of magnetic excitations in superconducting BaFe <sub>1.9</sub> Ni <sub>0.1</sub> As <sub>2</sub> . Nature Physics, 2012, 8, 376-381.	6.5	120
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17	Spin fluctuations away from T <sub>j</sub> in the superconducting phase of molecular-intercalated FeSe. Physical Review B, 2013, 87, .	1.1	18

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20	Absence of strong magnetic fluctuations in FeP-based systems LaFePO and Sr <sub>2</sub> ScO <sub>3</sub> FeP. Journal of Physics Condensed Matter, 2013, 25, 425701.	0.7	3
21	Emergence of Highly Degenerate Excited States in the Frustrated Magnet $\text{MgCr}_2\text{O}_4$ . Physical Review Letters, 2013, 110, 077205.	2.9	35
22	Evidence of Spin Resonance Signal in Oxygen Free Superconducting CaFe <sub>0.88</sub> Co <sub>0.12</sub> AsF: An Inelastic Neutron Scattering Study. Journal of the Physical Society of Japan, 2013, 82, 104716.	0.7	3
23	The use of direct geometry spectrometers in molecular spectroscopy. Journal of Physics: Conference Series, 2014, 554, 012004.	0.3	10
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31	Strong fluctuations in $\text{FeSe}$ . Physical Review B, 2015, 91, 120407.	1.1	93
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41	Non-periodic multi-slit masking for a single counter rotating 2-disc chopper and channeling guides for high resolution and high intensity neutron TOF spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 844, 7-13.	0.7	0
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53	Coexistence of magnetic fluctuations and long-range order in the one-dimensional zigzag chain materials $\text{J}_1\text{J}_2$ . Physical Review B, 2018, 98, .	1.1	5
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64	Upgrade to the MAPS neutron time-of-flight chopper spectrometer. Review of Scientific Instruments, 2019, 90, 035110.	0.6	37
65	Future directions for spectroscopy at the Spallation Neutron Source. Physica B: Condensed Matter, 2019, 564, 5-9.	1.3	2
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89	Bayesian Parameter Estimation Using Dispersion Relation Spectra. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 124002.	0.7	1
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