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**A portable high-field pulsed-magnet system for single-crystal x-ray scattering studies**

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**Review of Scientific Instruments, 2009, 80, 113902.**

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#	Paper	IF	Citations
23	Mechanical design of a dual-cryostat instrument for a high-field pulsed magnet. <i>Diamond Light Source Proceedings</i> , <b>2010</b> , 1,		1
22	Magnetoelastics of a spin liquid: X-ray diffraction studies of Tb <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> in pulsed magnetic fields. <i>Physical Review Letters</i> , <b>2010</b> , 105, 077203	7.4	43
21	Development of an x-ray diffraction camera used in magnetic fields up to 10 T. <i>Review of Scientific Instruments</i> , <b>2011</b> , 82, 125104	1.7	4
20	A single-solenoid pulsed-magnet system for single-crystal scattering studies. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 035101	1.7	13
19	A novel approach for x-ray scattering experiments in magnetic fields utilizing trapped flux in type-II superconductors. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 065103	1.7	8
18	Susceptibility anisotropy in an iron arsenide superconductor revealed by x-ray diffraction in pulsed magnetic fields. <i>Physical Review Letters</i> , <b>2012</b> , 109, 027004	7.4	20
17	Time-resolved one-dimensional detection of x-ray scattering in pulsed magnetic fields. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 013113	1.7	5
16	A 30 T pulsed magnet with conical bore for synchrotron powder diffraction. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 043904	1.7	11
15	Precision X-ray Diffraction Studies in High Pulsed Magnetic Fields at the Advanced Photon Source. <i>Synchrotron Radiation News</i> , <b>2012</b> , 25, 5-9	0.6	1
14	Robust but disordered collapsed-volume phase in a cerium alloy under the application of pulsed magnetic fields. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	5
13	X-ray Diffraction and Absorption Spectroscopy in Pulsed High Magnetic Fields. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 021009	1.5	8
12	Recent Progress of the X-ray Magnetic Circular Dichroism Technique for Element-Specific Magnetic Analysis. <i>Journal of the Physical Society of Japan</i> , <b>2013</b> , 82, 021006	1.5	19
11	A 31 T split-pair pulsed magnet for single crystal x-ray diffraction at low temperature. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 053905	1.7	12
10	Low-temperature high magnetic field powder x-ray diffraction setup for field-induced structural phase transition studies from 2 to 300 K and at 0 to 8-T field. <i>Review of Scientific Instruments</i> , <b>2016</b> , 87, 105110	1.7	7
9	Magnetic structure in a U(Ru <sub>0.92</sub> Rh <sub>0.08</sub> ) <sub>2</sub> Si <sub>2</sub> single crystal studied by neutron diffraction in static magnetic fields up to 24 T. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	4
8	Search for Two-Photon Interaction with Axionlike Particles Using High-Repetition Pulsed Magnets and Synchrotron X Rays. <i>Physical Review Letters</i> , <b>2017</b> , 118, 071803	7.4	8
7	40-Tesla pulsed-field cryomagnet for single crystal neutron diffraction. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 053905	1.7	6

6	Event-based processing of neutron scattering data at the Spallation Neutron Source. <i>Journal of Applied Crystallography</i> , <b>2018</b> , 51, 616-629	3.8	21
5	High magnetic field x-ray diffraction study of the $\Gamma$ phase of solid oxygen: Absence of giant magnetostriction. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	1
4	Magnetic Fields and Measurements. <b>2021</b> , 1-70		
3	X-ray Studies of the CDW Ground State and Excitations in High-TC Cuprates. <i>Journal of the Physical Society of Japan</i> , <b>2021</b> , 90, 111004	1.5	0
2	Magnetic Fields and Measurements. <b>2021</b> , 1083-1152		
1	Multi-extreme conditions at the Second Target Station. <b>2022</b> , 93, 083907		1