

D Mck Paul

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
19	Comparative study of the centrosymmetric and noncentrosymmetric superconducting phases of ReW using muon spin spectroscopy and heat capacity measurements. <i>Physical Review B</i> , 2012, 85, .	3.2	39
20	First-Order Reorientation Transition of the Flux-Line Lattice in CaAlSi . <i>Physical Review Letters</i> , 2012, 108, 077001.	7.8	5
21	Structure and superconductivity of two different phases of Re	3.2	42
22	Crossover from paramagnetic compressed flux regime to diamagnetic pinned vortex lattice in a single crystal of cubic CaRh	3.2	11
23	Two-gap superconductivity in $\text{Lu}_2\text{Fe}_3\text{Si}_5$: A transverse-field muon spin rotation study. <i>Physical Review B</i> , 2011, 83, .	3.2	20
24	Kagome staircase compound Co_3S_9 in an applied magnetic field: Single-crystal neutron diffraction study. <i>Physical Review B</i> , 2010, 82, .	3.2	9
25	Small-angle neutron scattering study of the vortex lattice in superconducting $\text{LuNi}_2\text{B}_2\text{C}$. <i>Physical Review B</i> , 2009, 79, .	3.2	12
26	Field induced magnetic order in the frustrated magnet gadolinium gallium garnet. <i>Journal of Physics: Conference Series</i> , 2009, 145, 012026.	0.4	18
27	Spin, orbital ordering, and magnetic dynamics of LaVO_3 . Magnetization, heat capacity, and neutron scattering studies. <i>Physical Review B</i> , 2008, 78, .	3.2	25
28	Small-angle neutron scattering measurements of the vortex lattice in CaC_6 . <i>Physical Review B</i> , 2007, 75, .	3.2	11
29	Phase inhomogeneities in the charge-orbital-ordered manganite $\text{Nd}_{0.5}\text{Sr}$ through polaron dynamics. <i>Physical Review B</i> , 2007, 76, .	3.2	20
30	Heat capacity and magnetic properties of a EuVO_3 single crystal. <i>Physical Review B</i> , 2007, 76, .	3.2	13
31	Pulverization of the flux line lattice, the phase coexistence and the spinodal temperature of the order-disorder transition in a weakly pinned crystal of $\text{Yb}_3\text{Rh}_4\text{Sn}_{13}$. <i>Pramana - Journal of Physics</i> , 2006, 66, 179-192.	1.8	4
32	Critical points in the Bragg glass phase of a weakly pinned crystal of $\text{Ca}_3\text{Rh}_4\text{Sn}_{13}$. <i>Pramana - Journal of Physics</i> , 2006, 66, 193-207.	1.8	5
33	Vortex-lattice symmetry near T_c in $\text{YNi}_2\text{B}_2\text{C}$. <i>Physical Review B</i> , 2005, 72, .	3.2	24
34	Temperature and field dependence of the flux-line-lattice symmetry in V_3Si . <i>Physical Review B</i> , 2005, 72, .	3.2	22
35	Temperature and time dependence of the field-driven magnetization steps in $\text{Ca}_3\text{Co}_2\text{O}_6$ single crystals. <i>Physical Review B</i> , 2004, 70, .	3.2	161
36	Power-law distribution of avalanche sizes in the field-driven transformation of a phase-separated oxide. <i>Physical Review B</i> , 2004, 70, .	3.2	22

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37	Field-induced magnetization steps in intermetallic compounds and manganese oxides: The martensitic scenario. <i>Physical Review B</i> , 2004, 69, .	3.2	157
38	Er ₂ Ti ₂ O ₇ : Evidence of quantum order by disorder in a frustrated antiferromagnet. <i>Physical Review B</i> , 2003, 68, .	3.2	208
39	Oxygen moment formation and canting in Li ₂ CuO ₂ . <i>Physical Review B</i> , 2003, 68, .	3.2	29
40	Role of electronic correlations on the phonon modes of MnO and NiO. <i>Physical Review B</i> , 2003, 68, .	3.2	42
41	Vortex-lattice transitions in YNi ₂ B ₂ C: Nature of the 45-degree reorientation. <i>Physical Review B</i> , 2002, 66, .	3.2	35
42	Comparison of thermomagnetic history effects in weakly pinned single crystals of R ₃ Rh ₄ Sn ₁₃ (R=Yb, Tj). <i>ETQq0 0 0 rgBT / Overlock 10 T</i>	1.8	5
43	Field-induced transitions in the highly frustrated magnet gadolinium gallium garnet - long- or short-range order?. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s760-s762.	2.3	15
44	Pressure-Enhanced 3D Antiferromagnetic Correlations in La _{1.4} Sr _{1.6} Mn ₂ O ₇ . <i>Physical Review Letters</i> , 2001, 87, 167203.	7.8	12
45	Domain structure of the antiferromagnetic insulating state in Nd _{0.5} Sr _{0.5} MnO ₃ . <i>Low Temperature Physics</i> , 2001, 27, 923-929.	0.6	3
46	X-ray study of Nd _{0.5} Sr _{0.5} MnO ₃ manganite structure above and below the ferromagnetic metal-antiferromagnetic insulator spontaneous phase transition. <i>Low Temperature Physics</i> , 2001, 27, 930-934.	0.6	11
47	Multiple magnetization peaks in weakly pinned Ca ₃ Rh ₄ Sn ₁₃ and YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 2001, 64, .	3.2	25
48	Transverse-field components of the flux-line lattice in the anisotropic superconductor YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 2001, 64, .	3.2	15
49	Influence of nonlocal electrostatics on the anisotropic vortex pinning in YNi ₂ B ₂ C. <i>Physical Review B</i> , 2001, 64, .	3.2	10
50	Equilibrium basal-plane magnetization of superconductive YNi ₂ B ₂ C: The influence of nonlocal electrostatics. <i>Physical Review B</i> , 2001, 64, .	3.2	7
51	Flux pinning mechanisms in ErNi ₂ B ₂ C. <i>Physical Review B</i> , 2001, 64, .	3.2	19
52	O(Mn) vibrational bands in double-layered manganites: First and second order Raman scattering. <i>Physical Review B</i> , 2001, 63, .	3.2	21
53	High Resolution Neutron Diffraction Studies of the Flux-Line Lattice in Borocarbide Superconductors. , 2001, , 323-332.		0
54	Vortex Pinning and Dynamics in Magnetic and Non-Magnetic (RE)Ni ₂ B ₂ C Superconductors. , 2001, , 347-356.		0

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55	Vortex lattice structures and pairing symmetry in Sr ₂ RuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1643-1646.	1.2	3
56	Vortex pinning by magnetic order in ErNi ₂ B ₂ C. <i>Physical Review B</i> , 2000, 63, .	3.2	12
57	Classical Heisenberg antiferromagnet on a garnet lattice: A Monte Carlo simulation. <i>Physical Review B</i> , 2000, 63, .	3.2	30
58	High-magnetic-field behavior of the triangular-lattice antiferromagnet CuFeO ₂ . <i>Physical Review B</i> , 2000, 62, 8983-8988.	3.2	71
59	Separation of enhanced and residual pinning mechanisms in single-crystal Bi ₂ Sr ₂ CaCu ₂ O ₈ + $\hat{\Gamma}$ irradiated with heavy ions. <i>Physical Review B</i> , 2000, 62, 14373-14379.	3.2	4
60	Reconstruction from Small-Angle Neutron Scattering Measurements of the Real Space Magnetic Field Distribution in the Mixed State of Sr ₂ RuO ₄ . <i>Physical Review Letters</i> , 2000, 84, 6094-6097.	7.8	65
61	Peak effect, plateau effect, and fishtail anomaly: The reentrant amorphization of vortex matter in 2Hâ [~] NbSe ₂ . <i>Physical Review B</i> , 2000, 62, 11838-11845.	3.2	48
62	Pressure Tuning of Magnetic Interactions in Layered (La _{0.6} Nd _{0.4}) _{1.2} Sr _{1.8} Mn ₂ O ₇ Manganite. <i>Physical Review Letters</i> , 2000, 84, 2710-2713.	7.8	17
63	Magnetic twin boundaries and flux pinning in the antiferromagnetic superconductor ErNi ₂ B ₂ C. <i>Physical Review B</i> , 2000, 63, .	3.2	16
64	Disorder, metastability, and history dependence in transformations of a vortex lattice. <i>Physical Review B</i> , 1999, 59, 6043-6046.	3.2	69
65	Fourfold Basal Plane Anisotropy of the Nonlocal Magnetization of YNi ₂ B ₂ C. <i>Physical Review Letters</i> , 1999, 83, 3920-3923.	7.8	29
66	Interaction between Magnetic Order and the Vortex Lattice in HoNi ₂ B ₂ C. <i>Physical Review Letters</i> , 1999, 82, 827-830.	7.8	36
67	Flux-Line Lattice Structures in Untwinned YBa ₂ Cu ₃ O ₇ â [~] $\hat{\Gamma}$. <i>Physical Review Letters</i> , 1999, 82, 2792-2795.	7.8	49
68	Flux Lattice Symmetry in V ₃ Si: Nonlocal Effects in a High- $\hat{\Gamma}$ Superconductor. <i>Physical Review Letters</i> , 1999, 82, 5112-5115.	7.8	48
69	Nonlocal current-field relation and the vortex-state magnetic properties of YNi ₂ B ₂ C. <i>Physical Review B</i> , 1999, 59, R6620-R6623.	3.2	27
70	Elastic Properties of Superconducting Stannides: Yb ₃ Rh ₄ Sn ₁₃ and Ca ₃ Rh ₄ Sn ₁₃ . <i>Journal of Low Temperature Physics</i> , 1999, 114, 285-296.	1.4	7
71	Specific heat of Pr _{0.6} (Ca ₁ â [~] xSr _x) _{0.4} MnO ₃ (0 < x < 1). <i>Physical Review B</i> , 1999, 59, 1298-1303.	3.2	94
72	Visualization of the antiferromagnetic insulatorâ [~] ferromagnetic metal phase transition in manganite Nd _{0.5} Sr _{0.5} MnO ₃ . <i>Low Temperature Physics</i> , 1999, 25, 744-746.	0.6	4

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73	Flux Pinning in (Re)Ni ₂ B ₂ C Superconductors. , 1999, , 265-280.		0
74	Observation of a square flux-line lattice in the unconventional superconductor Sr ₂ RuO ₄ . Nature, 1998, 396, 242-245.	27.8	173
75	Generic phase diagram for vortex matter via a study of peak effect phenomenon in crystals of 2H-NbSe ₂ . Physica C: Superconductivity and Its Applications, 1998, 308, 25-32.	1.2	32
76	Investigation of the Low-Temperature Spin-Liquid Behavior of the Frustrated Magnet Gadolinium Gallium Garnet. Physical Review Letters, 1998, 80, 4570-4573.	7.8	93
77	Electron spin resonance in the doped spin-Peierls compound. Journal of Physics Condensed Matter, 1998, 10, 7879-7896.	1.8	36
78	Nonlocal Effects and Vortex Lattice Transitions in YNi ₂ B ₂ C. Physical Review Letters, 1998, 80, 1517-1520.	7.8	112
79	Square flux lines in YNi ₂ B ₂ C. Physical Review B, 1998, 58, R14767-R14770.	3.2	15
80	Neutron-powder-diffraction study of the magnetic and structural properties of Pr _{0.6} (Ca _{1-x} Sr _x) _{0.4} MnO ₃ (0 < x < ~1). Physical Review B, 1998, 58, 8694-8703.	3.2	29
81	Magnetic properties of (Pr(Ca,â€¢Sr))MnO ₃ studied by nuclear magnetic resonance. Journal of Applied Physics, 1998, 83, 7151-7153.	2.5	21
82	VORTEX LATTICE TRANSITIONS. Series on Directions in Condensed Matter Physics, 1998, , 127-149.	0.1	7
83	Neutron Scattering Study of the Flux Lattice in YNi ₂ B ₂ C. Physical Review Letters, 1997, 78, 4849-4852.	7.8	84
84	Observation of the peak effect in the superconductor Ca ₃ Rh ₄ Sn ₁₃ . Physical Review B, 1997, 56, 8346-8350.	3.2	33
85	Observation of Electron-Phonon Interaction with Soft Phonons in Superconducting RNi ₂ B ₂ C. Physical Review Letters, 1997, 78, 935-938.	7.8	33
86	Single-crystal neutron-diffraction study of a structural phase transition induced by a magnetic field in La _{1-x} Sr _x MnO ₃ . Physical Review B, 1997, 55, R8622-R8625.	3.2	30
87	Point-contact-spectroscopy evidence of quasi-particle interactions in RNi ₂ B ₂ C (R=Ho, Y). Low Temperature Physics, 1997, 23, 712-723.	0.6	6
88	Growth, transport, and magnetic properties of Pr _{0.67} Ca _{0.33} MnO ₃ thin films. Applied Physics Letters, 1996, 69, 263-265.	3.3	30
89	Insulatorâ€“metal transitions in Pr _{0.7} Ca _{0.3} MnO ₃ induced by a magnetic field. Applied Physics Letters, 1996, 68, 424-426.	3.3	58
90	Reentrant peak effect via magnetization studies in NbSe ₂ . European Physical Journal D, 1996, 46, 3105-3106.	0.4	3

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91	Point-contact spectroscopy of electron-phonon interaction in superconducting RNi ₂ B ₂ C (R=Y, Ho). European Physical Journal D, 1996, 46, 841-842.	0.4	0
92	Magnetic resonance in pure and diamagnetically diluted spin-Peierls CuGeO ₃ . JETP Letters, 1996, 64, 305-311.	1.4	20
93	Synchrotron x-ray-scattering study of magnetic-field-induced transitions in Cu _{1-x} (Zn, Ni) _x GeO ₃ . Physical Review B, 1996, 54, 7269-7278.	3.2	39
94	Reentrant Peak Effect and Melting of a Flux Line Lattice in 2H-NbSe ₂ . Physical Review Letters, 1996, 76, 4600-4603.	7.8	88
95	The temperature dependence of the spin - Peierls energy gap in. Journal of Physics Condensed Matter, 1996, 8, L59-L64.	1.8	10
96	Neutron scattering and susceptibility measurements on single crystals of. Journal of Physics Condensed Matter, 1996, 8, 6251-6266.	1.8	19
97	High resolution neutron scattering study of low-energy magnetic excitations in Nd _{2-x} Ce _x CuO ₄ . Annalen Der Physik, 1996, 508, 197-202.	2.4	0
98	Observation of the Neel state in doped CuGeO ₃ . Journal of Physics Condensed Matter, 1995, 7, L325-L330.	1.8	56
99	Direct observation of magnetic flux lattice melting and decomposition in the high-Tc superconductor Bi _{2.15} Sr _{1.95} CaCu ₂ O _{8+x} . Nature, 1993, 365, 407-411.	27.8	458
100	Anomalous neutron scattering near the superconducting phase transition. Nature, 1991, 350, 690-692.	27.8	5
101	Magnetic ordering in the high-temperature superconductor ErBa ₂ Cu ₃ O _{7-δ} . Physical Review B, 1989, 39, 4291-4294.	3.2	28
102	Dispersive Magnetic Density Fluctuations in Ni ₃ Ga. Physical Review Letters, 1989, 62, 657-660.	7.8	35
103	Growth of Nd _{2-x} Ce _x CuO ₄ Single Crystals by a Flux Method. Materials Research Society Symposia Proceedings, 1989, 169, 169.	0.1	0
104	Temperature dependence of the high-energy magnetic excitations for ni. Physical Review B, 1988, 38, 12058-12061.	3.2	6
105	Magnetic ordering in GdBa ₂ Cu ₃ O _{6.14} . Physical Review B, 1988, 38, 12008-12010.	3.2	45
106	Magnetic ordering in the high-temperature superconductor GdBa ₂ Cu ₃ O ₇ . Physical Review B, 1988, 37, 2341-2344.	3.2	141
107	Magnetic excitations in ZrZn ₂ at low energies and long wavelengths. Physica Scripta, 1988, 38, 191-193.	2.5	32
108	Evidence on the nature of superconductivity in La _{1.85} Ba _{0.15} CuO ₄ from specific heat measurements. Journal of Physics F: Metal Physics, 1987, 17, L329-L336.	1.6	6

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109	Anomalous Structural Behavior of the Superconducting Compound $\text{La}_{1.85}\text{Ba}_{0.15}\text{CuO}_4$. Physical Review Letters, 1987, 58, 1976-1978.	7.8	151
110	Vibrational anomalies in the superconducting compound $\text{La}_{1.85}\text{Ba}_{0.15}\text{CuO}_4$. Nature, 1987, 327, 45-47.	27.8	18
111	Low-temperature spin-wave excitations in nickel, by neutron triple-axis spectroscopy. Physical Review B, 1985, 32, 3272-3278.	3.2	28
112	Neutron-Scattering Measurement of the Spin-Wave Spectra for Nickel. Physical Review Letters, 1985, 54, 227-229.	7.8	114
113	Magnetic excitations in Ni_3Al at low energies and long wavelengths. Physical Review B, 1983, 28, 422-424.	3.2	68