

Jeffery W Lynn

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604
papers

25,672
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136
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653
ext. papers

27,240
ext. citations

4.6
avg, IF

6.38
L-index

#	Paper	IF	Citations
604	Magnetic order close to superconductivity in the iron-based layered LaO _{1-x} F _x FeAs systems. <i>Nature</i> , 2008 , 453, 899-902	50.4	1632
603	Magnetic inversion symmetry breaking and ferroelectricity in TbMnO ₃ . <i>Physical Review Letters</i> , 2005 , 95, 087206	7.4	726
602	Neutron-diffraction measurements of magnetic order and a structural transition in the parent BaFe ₂ As ₂ compound of FeAs-based high-temperature superconductors. <i>Physical Review Letters</i> , 2008 , 101, 257003	7.4	691
601	Structural and magnetic phase diagram of CeFeAsO(1-x)F(x) and its relation to high-temperature superconductivity. <i>Nature Materials</i> , 2008 , 7, 953-9	27	657
600	First-order magnetic and structural phase transitions in Fe _{1+y} SexTe _{1-x} . <i>Physical Review B</i> , 2009 , 79,	3.3	455
599	Unconventional ferromagnetic transition in La _{1-x} CaxMnO ₃ . <i>Physical Review Letters</i> , 1996 , 76, 4046-4049	7.4	425
598	Giant anharmonicity and nonlinear electron-phonon coupling in MgB ₂ : a combined first-principles calculation and neutron scattering study. <i>Physical Review Letters</i> , 2001 , 87, 037001	7.4	328
597	Pressure-induced volume-collapsed tetragonal phase of CaFe ₂ As ₂ as seen via neutron scattering. <i>Physical Review B</i> , 2008 , 78,	3.3	301
596	Temperature dependence of the magnetic excitations in iron. <i>Physical Review B</i> , 1975 , 11, 2624-2637	3.3	297
595	Magnetic order and crystal structure in the superconducting RNi ₂ B ₂ C materials. <i>Physical Review B</i> , 1997 , 55, 6584-6598	3.3	296
594	Lattice Dynamics of Gold. <i>Physical Review B</i> , 1973 , 8, 3493-3499	3.3	295
593	Temperature Dependence of the Magnetic Excitations in Nickel. <i>Physical Review Letters</i> , 1973 , 30, 556-559	7.4	261
592	Structure and Magnetic Ordering of MII[N(CN) ₂] ₂ (M = Co, Ni) <i>Chemistry of Materials</i> , 1998 , 10, 2552-2556	7.4	253
591	Antiferromagnetic ordering of Ru and Gd in superconducting RuSr ₂ GdCu ₂ O ₈ . <i>Physical Review B</i> , 2000 , 61, R14964-R14967	3.3	245
590	Structure and magnetic order in undoped lanthanum manganite. <i>Physical Review B</i> , 1997 , 55, 14987-14999	7.4	239
589	Spin chirality on a two-dimensional frustrated lattice. <i>Nature Materials</i> , 2005 , 4, 323-8	27	209
588	Charge ordering and polaron formation in the magnetoresistive oxide La _{0.7} Ca _{0.3} MnO ₃ . <i>Physical Review Letters</i> , 2000 , 85, 3954-7	7.4	208

587	Magnetic order of Pr in PrBa ₂ Cu ₃ O ₇ . <i>Physical Review B</i> , 1989 , 40, 5300-5303	3.3	205
586	Non-Fermi-liquid scaling of the magnetic response in UCu _{5-x} Pd _x (x=1,1.5). <i>Physical Review Letters</i> , 1995 , 75, 725-728	7.4	193
585	Direct visualization of the Jahn-Teller effect coupled to Na ordering in Na _{5/8} MnO ₂ . <i>Nature Materials</i> , 2014 , 13, 586-92	27	191
584	Spin and lattice structures of single-crystalline SrFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	178
583	Spin dynamics and orbital state in LaTiO ₃ . <i>Physical Review Letters</i> , 2000 , 85, 3946-9	7.4	171
582	Spontaneous spin-lattice coupling in the geometrically frustrated triangular lattice antiferromagnet CuFeO ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	168
581	Heavy Fermion Superconductivity in the Filled Skutterudite Compound PrOs ₄ Sb ₁₂ . <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 23-28	1.5	166
580	Observation of oscillatory magnetic order in the antiferromagnetic superconductor HoNi ₂ B ₂ C. <i>Physical Review Letters</i> , 1994 , 73, 2756-2759	7.4	163
579	Calculations of the dynamic susceptibility of nickel and iron. <i>Physical Review B</i> , 1980 , 21, 4118-4131	3.3	159
578	Coupling between electronic and structural degrees of freedom in the triangular lattice conductor Na _x CoO ₂ . <i>Physical Review B</i> , 2004 , 70,	3.3	157
577	Charge Melting and Polaron Collapse in La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Physical Review Letters</i> , 1999 , 83, 4393-4396	7.4	156
576	Lattice collapse and quenching of magnetism in CaFe ₂ As ₂ under pressure: A single-crystal neutron and x-ray diffraction investigation. <i>Physical Review B</i> , 2009 , 79,	3.3	155
575	Low energy spin waves and magnetic interactions in SrFe ₂ As ₂ . <i>Physical Review Letters</i> , 2008 , 101, 167203	7.4	152
574	Large anomalous Hall effect in a half-Heusler antiferromagnet. <i>Nature Physics</i> , 2016 , 12, 1119-1123	16.2	150
573	Incommensurate magnetic structure of CeRhIn ₅ . <i>Physical Review B</i> , 2000 , 62, R14621-R14624	3.3	150
572	Neutron-diffraction study of antiferromagnetic order in the magnetic superconductor ErNi ₂ B ₂ C. <i>Physical Review B</i> , 1995 , 51, 681-684	3.3	150
571	Long-range magnetic order in Mn[N(CN) ₂] ₂ (pyz) (pyz = pyrazine). Susceptibility, magnetization, specific heat, and neutron diffraction measurements and electronic structure calculations. <i>Journal of the American Chemical Society</i> , 2001 , 123, 162-72	16.4	148
570	Magnetic order and spin dynamics in ferroelectric HoMnO ₃ . <i>Physical Review Letters</i> , 2005 , 94, 087601	7.4	147

569	Intergranular giant magnetoresistance in a spontaneously phase separated perovskite oxide. <i>Physical Review Letters</i> , 2005 , 94, 037201	7.4	145
568	Low temperature phase transitions and crystal structure of Na _{0.5} CoO ₂ . <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 5803-5814	1.8	142
567	Superheating and supercooling of vortex matter in a Nb single crystal: direct evidence for a phase transition at the peak effect from neutron diffraction. <i>Physical Review Letters</i> , 2001 , 86, 712-5	7.4	139
566	Structure and magnetic order in La _{1-x} CaxMnO ₃ (0. <i>Physical Review B</i> , 1998 , 58, 2684-2691	3.3	138
565	Observation of Magnetic Monopoles in Spin Ice. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 103706.5	6.5	134
564	Structural collapse and superconductivity in rare-earth-doped CaFe ₂ As ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	134
563	Magnetic ordering of Nd in (Nd,Ce) ₂ CuO ₄ . <i>Physical Review B</i> , 1990 , 41, 2569-2572	3.3	134
562	Neutron studies of the iron-based family of high TC magnetic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 469-476	1.3	130
561	Vortex lattice symmetry and electronic structure in YBa ₂ Cu ₃ O ₇ . <i>Physical Review Letters</i> , 1994 , 73, 3459-3462	3.462	126
560	Crystal structure and antiferromagnetic order in NdFeAsO _{1-x} F _x (x=0.0 and 0.2) superconducting compounds from neutron diffraction measurements. <i>Physical Review Letters</i> , 2008 , 101, 257002	7.4	125
559	Lattice and magnetic structures of PrFeAsO, PrFeAsO _{0.85} F _{0.15} , and PrFeAsO _{0.85} . <i>Physical Review B</i> , 2008 , 78,	3.3	125
558	Crystal field potential of PrOs ₄ Sb ₁₂ : consequences for superconductivity. <i>Physical Review Letters</i> , 2004 , 93, 157003	7.4	122
557	Magnetic order of the iron spins in NdFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	119
556	Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn ₃ (Zn, M) _x N(M = Ag, Ge). <i>Physical Review B</i> , 2012 , 85,	3.3	118
555	Quantum impurities in the two-dimensional spin one-half Heisenberg antiferromagnet. <i>Science</i> , 2002 , 295, 1691-5	33.3	115
554	Phase diagram of HfRuCl ₃ in an in-plane magnetic field. <i>Physical Review B</i> , 2017 , 95,	3.3	114
553	Magnetic phase transitions and structural distortion in Nd ₂ CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 160, 124-128	1.3	112
552	Topological RPdBi half-Heusler semimetals: A new family of noncentrosymmetric magnetic superconductors. <i>Science Advances</i> , 2015 , 1, e1500242	14.3	111

551	Neutron scattering and magnetic studies of ferrihydrite nanoparticles. <i>Physical Review B</i> , 2000 , 61, 3513-3518	3-3	111
550	Temperature dependence of the dynamic susceptibility of nickel. <i>Physical Review B</i> , 1981 , 23, 198-206	3-3	108
549	Competition between Ferromagnetism and Superconductivity in HoMo6S8. <i>Physical Review Letters</i> , 1981 , 46, 368-371	7-4	105
548	Structure and dynamics of superconducting Na_xCoO_2 hydrate and its unhydrated analog. <i>Physical Review B</i> , 2003 , 68,	3-3	104
547	Neutron-scattering study of the "one-dimensional" conductor $\text{K}_2\text{Pt}(\text{CN})_4\text{Br} \cdot 0.3 \cdot 3.2\text{D}_2\text{O}$ (KCP). <i>Physical Review B</i> , 1975 , 12, 1154-1166	3-3	104
546	Antiferromagnetic order as the competing ground state in electron-doped $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Nature</i> , 2003 , 423, 522-5	50-4	103
545	Charge, orbital and spin ordering phenomena in the mixed valence manganite $(\text{NaMn}^{3+}(3))(\text{Mn}^{3+}(2)\text{Mn}^{4+}(2))\text{O}_{12}$. <i>Nature Materials</i> , 2004 , 3, 48-52	27	101
544	Resonance in the electron-doped high-transition-temperature superconductor $\text{Pr}_{0.88}\text{LaCe}_{0.12}\text{CuO}_{4-\delta}$. <i>Nature</i> , 2006 , 442, 59-62	50-4	100
543	Temperature and field dependence of the phase separation, structure, and magnetic ordering in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.47, 0.50, \text{ and } 0.53$). <i>Physical Review B</i> , 2000 , 61, 8895-8905	3-3	100
542	Intrinsic properties of stoichiometric LaFePO . <i>Physical Review B</i> , 2008 , 78,	3-3	98
541	Doping evolution of antiferromagnetic order and structural distortion in $\text{LaFeAsO}_{1-x}\text{Fx}$. <i>Physical Review B</i> , 2008 , 78,	3-3	96
540	Inhomogeneous magnetism in La-doped CaMnO_3 . I. Mesoscopic phase separation due to lattice-coupled ferromagnetic interactions. <i>Physical Review B</i> , 2003 , 68,	3-3	96
539	Neutron Scattering Investigation of Magnetic Bilayer Correlations in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$: Evidence of Canting above TC. <i>Physical Review Letters</i> , 1998 , 81, 3964-3967	7-4	93
538	Direct observation of long range ferromagnetic order in the reentrant superconductor HoMo_6S_8 . <i>Solid State Communications</i> , 1978 , 26, 493-496	1-6	93
537	Noncollinear antiferromagnetic structure of the molecule-based magnet $\text{Mn}[\text{N}(\text{CN})_2]_2$. <i>Physical Review B</i> , 2000 , 62, 5576-5588	3-3	92
536	Double-Focusing Thermal Triple-Axis Spectrometer at the NCNR. <i>Journal of Research of the National Institute of Standards and Technology</i> , 2012 , 117, 61-79	1-3	90
535	Intrinsic localized modes observed in the high-temperature vibrational spectrum of NaI . <i>Physical Review B</i> , 2009 , 79,	3-3	89
534	Non-Griffiths-like clustered phase above the Curie temperature of the doped perovskite cobaltite $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. <i>Physical Review B</i> , 2007 , 76,	3-3	89

533	Structural anomalies at the magnetic and ferroelectric transitions in RMn_2O_5 ($\text{R}=\text{Tb}, \text{Dy}, \text{Ho}$). <i>Physical Review B</i> , 2006 , 73,	3.3	87
532	Magnetic fluctuations and two-dimensional ordering in ErBa_2Cu . <i>Physical Review B</i> , 1987 , 36, 2374-2377	3.3	87
531	Observation of noncollinear magnetic structure for the Cu spins in Nd_2CuO_4 -type systems. <i>Physical Review B</i> , 1993 , 47, 6173-6176	3.3	86
530	Structural and magnetic properties of the single-layer manganese oxide $\text{La}_{1-x}\text{Sr}_x\text{MnO}_4$. <i>Physical Review B</i> , 2005 , 71,	3.3	84
529	Inhomogeneous magnetism in La-doped CaMnO_3 . II. Nanometric-scale spin clusters and long-range spin canting. <i>Physical Review B</i> , 2003 , 68,	3.3	81
528	Glass transition in the polaron dynamics of colossal magnetoresistive manganites. <i>Physical Review Letters</i> , 2002 , 89, 036401	7.4	81
527	Phonon localization drives polar nanoregions in a relaxor ferroelectric. <i>Nature Communications</i> , 2014 , 5, 3683	17.4	80
526	MACSB new high intensity cold neutron spectrometer at NIST. <i>Measurement Science and Technology</i> , 2008 , 19, 034023	2	80
525	Structure and magnetism of single crystal $\text{Sr}_4\text{Ru}_3\text{O}_{10}$: A ferromagnetic triple-layer ruthenate. <i>Physical Review B</i> , 2002 , 65,	3.3	80
524	Oxygen dependence of the crystal structure of $\text{HgBa}_2\text{CuO}_{4+\delta}$ and its relation to superconductivity. <i>Physical Review B</i> , 1995 , 52, 462-470	3.3	80
523	Coexistence and competition of the short-range incommensurate antiferromagnetic order with the superconducting state of $\text{BaFe}_{(2-x)}\text{Ni}_x\text{As}_2$. <i>Physical Review Letters</i> , 2012 , 108, 247002	7.4	76
522	Spin correlations and magnetic order in nonsuperconducting $\text{Nd}_{(2-x)}\text{Ce}_x\text{CuO}_{(4+\delta)}$. <i>Physical Review Letters</i> , 2004 , 93, 027002	7.4	76
521	Magnetic ordering of Sm in Sm_2CuO_4 . <i>Physical Review Letters</i> , 1992 , 68, 2228-2231	7.4	76
520	Magnetic structure and spin dynamics of the Pr and Cu in Pr_2CuO_4 . <i>Physical Review B</i> , 1995 , 51, 5824-5833	3.3	75
519	Neutron scattering study of the magnetic excitations in ferromagnetic iron at high energy transfers. <i>Journal of Applied Physics</i> , 1984 , 55, 1895-1897	2.5	75
518	Neutron-powder-diffraction study of the nuclear and magnetic structures of $\text{YBa}_2\text{Fe}_3\text{O}_8$ at room temperature. <i>Physical Review B</i> , 1992 , 45, 9611-9619	3.3	74
517	Nature of the magnetic order of Cu in oxygen-deficient NdBa_2Cu . <i>Physical Review Letters</i> , 1988 , 60, 2781-2784	7.4	74
516	Honeycombs of triangles and magnetic frustration in SrL_2O_4 ($\text{L}=\text{Gd}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}, \text{and Yb}$). <i>Physical Review B</i> , 2005 , 71,	3.3	73

515	Magnetic properties of the reentrant ferromagnetic superconductor HoMo6S8. <i>Physical Review B</i> , 1981 , 24, 3817-3829	3-3	73
514	Structure and spin dynamics of La _{0.85} Sr _{0.15} MnO ₃ . <i>Physical Review B</i> , 1998 , 58, 14913-14921	3-3	71
513	Observation of long range magnetic order in the reentrant superconductor HoMo6S8. <i>Journal De Physique (Paris), Lettres</i> , 1981 , 42, 45-49		70
512	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor BaFe ₂ NiAs ₂ . <i>Physical Review B</i> , 2010 , 81,	3-3	69
511	Oxygen displacements and search for magnetic order in Sr ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 1998 , 58, 8515-8521	3-3	69
510	Neutron scattering study of novel magnetic order in Na _{0.5} CoO ₂ . <i>Physical Review Letters</i> , 2006 , 96, 046403	3-3	68
509	2D and 3D magnetic behavior of Er in ErBa ₂ Cu ₃ O ₇ . <i>Physical Review Letters</i> , 1989 , 63, 2606-2609	7-4	68
508	Influence of electron doping on the ground state of (Sr _{1-x} La _x) ₂ IrO ₄ . <i>Physical Review B</i> , 2015 , 92,	3-3	66
507	Neutron scattering studies of spin excitations in hole-doped Ba(0.67)K(0.33)Fe(2)As(2) superconductor. <i>Scientific Reports</i> , 2011 , 1, 115	4-9	65
506	First-order nature of the ferromagnetic phase transition in (La-Ca)MnO ₃ near optimal doping. <i>Physical Review B</i> , 2004 , 70,	3-3	63
505	Origin and tuning of the magnetocaloric effect in the magnetic refrigerant Mn _{1.1} Fe _{0.9} (P _{0.8} Ge _{0.2}). <i>Physical Review B</i> , 2009 , 79,	3-3	62
504	Giant electromechanical coupling of relaxor ferroelectrics controlled by polar nanoregion vibrations. <i>Science Advances</i> , 2016 , 2, e1501814	14-3	61
503	A comparison of united atom, explicit atom, and coarse-grained simulation models for poly(ethylene oxide). <i>Journal of Chemical Physics</i> , 2006 , 124, 234901	3-9	61
502	Coupled magnetic and ferroelectric domains in multiferroic Ni ₃ V ₂ O ₈ . <i>Physical Review Letters</i> , 2009 , 103, 087201	7-4	60
501	Spin gap and magnetic resonance in superconducting BaFe _{1.9} Ni _{0.1} As ₂ . <i>Physical Review B</i> , 2009 , 79,	3-3	59
500	Magnetic order in YBa ₂ Cu ₃ O _{6+x} superconductors. <i>Physical Review B</i> , 2002 , 66,	3-3	59
499	Antiferromagnetic ordering in superconducting and oxygen-deficient nonsuperconducting RBa ₂ Cu ₃ O _{7-δ} compounds (R=Nd and Sm). <i>Physical Review B</i> , 1989 , 40, 10963-10972	3-3	59
498	Lattice distortion and magnetic quantum phase transition in CeFeAs(1-x)P(x)O. <i>Physical Review Letters</i> , 2010 , 104, 017204	7-4	57

497	Carbon concentration dependence of the superconducting transition temperature and structure of MgCxNi3. <i>Solid State Communications</i> , 2002 , 121, 73-77	1.6	57
496	BaNi2V2O8: A two-dimensional honeycomb antiferromagnet. <i>Physical Review B</i> , 2002 , 65,	3.3	57
495	Measurements of the magnetic excitations above Tc in iron and nickel (invited). <i>Journal of Applied Physics</i> , 1985 , 57, 3006-3011	2.5	57
494	Magnetic structure of heavy-fermion Ce2RhIn8. <i>Physical Review B</i> , 2001 , 64,	3.3	56
493	Temperature-Dependent Sinusoidal Magnetic Order in the Superconductor HoMo6Se8. <i>Physical Review Letters</i> , 1984 , 52, 133-136	7.4	56
492	Spin valve effect and magnetoresistivity in single crystalline Ca3Ru2O7. <i>Physical Review Letters</i> , 2008 , 100, 247203	7.4	55
491	Neutron-powder-diffraction study of the nuclear and magnetic structures of the antiferromagnetic superconductor HoNi2B2C. <i>Physical Review B</i> , 1995 , 51, 3701-3708	3.3	55
490	Antiferromagnetic order of Cu in Sm2CuO4. <i>Journal of Applied Physics</i> , 1991 , 69, 4866-4868	2.5	55
489	Crystalline electric field as a probe for long-range antiferromagnetic order and superconducting state of CeFeAsO(1-x)F(x). <i>Physical Review Letters</i> , 2008 , 101, 217002	7.4	54
488	Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting RbyFe1.6+xSe2. <i>Physical Review B</i> , 2011 , 84,	3.3	53
487	Complex magnetic order in the kagom staircase compound Co3V2O8. <i>Physical Review B</i> , 2006 , 74,	3.3	53
486	Direct observation of spontaneous weak ferromagnetism in the superconductor ErNi2B2C. <i>Physical Review Letters</i> , 2001 , 87, 107001	7.4	53
485	Magnetic and electronic characterization of quasi-one-dimensional La3RuO7. <i>Physical Review B</i> , 1999 , 60, 9573-9578	3.3	53
484	Crystal structure of annealed and as-prepared HgBa2CaCu2O6+δ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 218, 356-364	1.3	53
483	Spiral magnetic structure of Fe in Van der Waals gapped FeOCl and polyaniline-intercalated FeOCl. <i>Physical Review B</i> , 2000 , 62, 14157-14163	3.3	52
482	Anisotropic three-dimensional magnetic fluctuations in heavy fermion CeRhIn5. <i>Physical Review B</i> , 2002 , 65,	3.3	51
481	Spin dynamics of strongly doped La1-xSrxMnO3. <i>Journal of Applied Physics</i> , 1998 , 83, 7342-7344	2.5	51
480	Order and dynamics of intrinsic nanoscale inhomogeneities in manganites. <i>Physical Review B</i> , 2007 , 76,	3.3	50

479	Structural transition in Na_xCoO_2 with x near 0.75 due to Na rearrangement. <i>Physical Review B</i> , 2004 , 70,	3.3	50
478	Long-range antiferromagnetic order of the Cu in oxygen-deficient RBa. <i>Physical Review B</i> , 1988 , 37, 9844-9847	3.3	49
477	Magnetic correlations and crystal-field levels in the superconductor $(\text{Ce}_{0.73}\text{Ho}_{0.27})\text{Ru}_2$. <i>Physical Review B</i> , 1980 , 21, 70-78	3.3	49
476	Magnetic structure and spin reorientation of the Mn ions in NdMnO_3 . <i>Journal of Applied Physics</i> , 2000 , 87, 5822-5824	2.5	48
475	Neutron-scattering study of the oxypnictide superconductor $\text{LaFeAsO}_{0.87}\text{F}_{0.13}$. <i>Physical Review B</i> , 2008 , 78,	3.3	47
474	Electronically competing phases and their magnetic field dependence in electron-doped nonsuperconducting and superconducting $\text{Pr}_{0.88}\text{La}_{0.12}\text{CuO}_4$. <i>Physical Review B</i> , 2005 , 71,	3.3	47
473	Synthesis and characterization of bulk Nd Sr NiO and Nd Sr NiO. <i>Physical Review Materials</i> , 2020 , 4,	3.2	47
472	Interplay of Fe and Nd magnetism in NdFeAsO single crystals. <i>Physical Review B</i> , 2010 , 82,	3.3	46
471	Two-dimensional magnetic correlations and partial long-range order in geometrically frustrated Sr_2YRuO_6 . <i>Physical Review Letters</i> , 2013 , 110, 017202	7.4	45
470	Structure of nanoscale polaron correlations in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. <i>Physical Review B</i> , 2001 , 65,	3.3	45
469	Local structure and oxide-ion motion in defective perovskites?. <i>Solid State Ionics</i> , 1994 , 68, 193-211	3.3	45
468	Antiferromagnetic critical pressure in URu_2Si_2 under hydrostatic conditions. <i>Physical Review B</i> , 2010 , 82,	3.3	44
467	Origin of electric-field-induced magnetization in multiferroic HoMnO_3 . <i>Physical Review Letters</i> , 2010 , 104, 147204	7.4	43
466	Applications of ^3He neutron spin filters at the NCNR. <i>Physica B: Condensed Matter</i> , 2009 , 404, 2663-2666	2.8	43
465	Magnetic phase diagram of magnetoelectric LiMnPO_4 . <i>Physical Review B</i> , 2012 , 85,	3.3	42
464	Distinguishing s^+ and s^{++} electron pairing symmetries by neutron spin resonance in superconducting $\text{NaFe}_{0.935}\text{Co}_{0.045}\text{As}$. <i>Physical Review B</i> , 2013 , 88,	3.3	42
463	From antiferromagnetic insulator to correlated metal in pressurized and doped LaMnPO . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1815-9	11.5	42
462	Magnetic, structural, and spin dynamical properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Journal of Applied Physics</i> , 1997 , 81, 5488-5490	2.5	42

461	Evolution of spin-wave excitations in ferromagnetic metallic manganites. <i>Physical Review Letters</i> , 2006 , 96, 047204	7.4	42
460	Synthesis, structure and physical properties of Ru ferrites: BaMRu ₅ O ₁₁ (M=Li and Cu) and BaM ₂ Ru ₄ O ₁₁ (M=Mn, Fe and Co). <i>Journal of Solid State Chemistry</i> , 2006 , 179, 563-572	3.3	42
459	Fate of the peak effect in a type-II superconductor: multicriticality in the Bragg-Glass transition. <i>Physical Review Letters</i> , 2003 , 91, 167003	7.4	42
458	Magnetic structure of the heavy fermion alloy CeCu _{5.5} Au _{0.5} . <i>Physica B: Condensed Matter</i> , 1994 , 199-200, 47-48	2.8	42
457	Singular angular magnetoresistance in a magnetic nodal semimetal. <i>Science</i> , 2019 , 365, 377-381	33.3	41
456	Multiferroicity in doped hexagonal LuFeO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	41
455	Doping fluctuation-driven magneto-electronic phase separation in La _{1-x} Sr _x CoO ₃ single crystals. <i>Europhysics Letters</i> , 2009 , 87, 27006	1.6	41
454	Spin-flop transition and the anisotropic magnetoresistance of Pr(1.3-x)La(0.7)CexCuO ₄ : unexpectedly strong spin-charge coupling in the electron-doped cuprates. <i>Physical Review Letters</i> , 2004 , 92, 227003	7.4	41
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