

A Podlesnyak

List of Publications by Year in descending order

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docs citations

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times ranked

2845
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-energy spin dynamics in rare-earth perovskite oxides. Journal of Physics Condensed Matter, 2021, 33, 403001.	1.8	8
2	Magnetic field induced softening of spin waves and hard-axis order in the Kondo-lattice ferromagnet CeAgSb ₂ . Physical Review B, 2021, 104, .	3.2	2
3	Experimental observation of magnetic dimers in diluted Yb:YAlO ₃ . Physical Review B, 2020, 101, .	3.2	4
4	Electron-phonon coupling and superconductivity in the doped topological crystalline insulator (Pb _{0.5} Sn _{0.5}) _{1-x} In _x Te. Physical Review B, 2020, 102, .	3.2	5
5	Gradual pressure-induced enhancement of magnon excitations in CeCoSi. Physical Review B, 2020, 101, .	3.2	14
6	Low-temperature spin dynamics in the TmFeO_3 orthoferrite with a non-Kramers ion. Physical Review B, 2020, 101, .	3.2	1
7	Effect of fine-tuning pore structures on the dynamics of confined water. Journal of Chemical Physics, 2019, 150, 204706.	3.0	10
8	Tomonaga-Luttinger liquid behavior and spinon confinement in YbAlO ₃ . Nature Communications, 2019, 10, 698.	12.8	56
9	Field-induced magnetic phase transitions and metastable states in TbMnO_3 . Physical Review B, 2018, 97, .	3.2	16
10	Clamp cell with <i>in situ</i> pressure monitoring for low-temperature neutron scattering measurements. High Pressure Research, 2018, 38, 482-492.	1.2	12
11	Decoupled spin dynamics in the rare-earth orthoferrite YbFeO_3 : Evolution of magnetic excitations through the spin-reorientation transition. Physical Review B, 2018, 98, .	3.2	31
12	Magnetic ground state of the Ising-like antiferromagnet DyScO_3 . Physical Review B, 2017, 96, .	3.2	17
13	Pressure effect on hydrogen tunneling and vibrational spectrum in Mn^{2+} -Mn. Physical Review B, 2016, 94, .	3.2	7
14	Magnetic structure of YbMnO_3 : Ising moments on the Shastry-Sutherland lattice. Physical Review B, 2016, 93, .	3.2	11
15	Orbital-exchange and fractional quantum number excitations in an f-electron metal, Yb ₂ Pt ₂ Pb. Science, 2016, 352, 1206-1210.	12.6	68
16	Microscopic insight into the origin of enhanced glass-forming ability of metallic melts on micro-alloying. Applied Physics Letters, 2015, 107, .	3.3	5
17	Momentum space structure of quadrupole spin fluctuations in CePd_2Si_2 . Physical Review B, 2014, 90, .	3.2	13
18	Crystal-field interaction and oxygen stoichiometry effects in strontium-doped rare-earth cobaltates. Physical Review B, 2014, 90, .	3.2	4

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19	A comparison of four direct geometry time-of-flight spectrometers at the Spallation Neutron Source. Review of Scientific Instruments, 2014, 85, 045113.	1.3	107
20	Magneto-Polaron Formation and Field-Induced Effects with Dilute Doping in $\text{LaCo}_{1-y}\text{Ni}_y\text{O}_3$. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2627-2632.	1.8	0
21	Enhanced survival of short-range magnetic correlations and frustrated interactions in $\text{R}_3\text{T}_2\text{Mg}_2\text{O}_{12}$ intermetallics. Journal of Magnetism and Magnetic Materials, 2012, 324, 1907-1912.	2.3	19
22	Effect of carrier doping on the formation and collapse of magnetic polarons in lightly hole-doped $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. Physical Review B, 2011, 83, .	3.2	25
23	Giant anharmonic phonon scattering in PbTe. Nature Materials, 2011, 10, 614-619.	27.5	561
24	Evidence for Magnetic Polarons in Hole-Doped Cobalt Perovskites. Materials Research Society Symposia Proceedings, 2010, 1256, 1.	0.1	0
25	Single-crystal neutron diffraction study of the magnetic structure of Er_3Co . Physical Review B, 2010, 82, .	3.2	11
26	Formation of magnetic polarons in lightly Ca doped LaCoO_3 . Journal of Physics: Conference Series, 2010, 200, 012080.	0.4	1
27	Spontaneous and field-induced magnetic transitions in $\text{YBaCo}_2\text{O}_{5.5}$. Journal of Magnetism and Magnetic Materials, 2009, 321, 429-437.	2.3	6
28	Origin of a spin-state polaron in lightly hole doped LaCoO_3 . Journal of Physics: Conference Series, 2009, 150, 042003.	0.4	6
29	Butterflylike specific heat, magnetocaloric effect, and itinerant metamagnetism in Er_3Co . Physical Review B, 2009, 79, .	3.2	21
30	Spin-State Polarons in Lightly-Hole-Doped LaCoO_3 . Physical Review Letters, 2008, 101, 247603.	7.8	76
31	Superstructure formation at the metal-insulator transition in $\text{RBaCo}_2\text{O}_{5.5}$ ($R=\text{Nd}, \text{Tb}$) as seen from reciprocal space mapping. Physical Review B, 2008, 78, .	3.2	14
32	Extra-linear specific heat contribution induced by the f - d -exchange in GdNi binary compounds. Journal of Physics Condensed Matter, 2008, 20, 325233.	1.8	12
33	Fast and slow dynamics in $\text{Pr}_6\text{Ni}_{10}\text{Cu}_{20}\text{Al}_{10}$ melts as seen by neutron scattering. Journal of Applied Physics, 2008, 103, 013509.	2.5	19
34	High-field magnetization and magnetic structure of Tb_3Co . Journal of Physics Condensed Matter, 2007, 19, 326213.	1.8	16
35	The pseudogap in LSCO-type high-temperature superconductors as seen by neutron crystal-field spectroscopy. Progress in Solid State Chemistry, 2007, 35, 415-420.	7.2	1
36	Enhanced magnetic entropy in GdNi_2 . Physical Review B, 2007, 75, .	3.2	10

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37	Possible reappearance of the charge density wave transition in $MxTiSe_2$ compounds intercalated with 3d metals. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 016005.	1.8	16
38	Magnetic correlations in heavy fermion $CeAl_3$ compound. <i>Solid State Communications</i> , 2007, 141, 474-479.	1.9	2
39	Molecular dynamics in ammonium dihydrogen phosphate using incoherent neutron scattering. <i>Chemical Physics</i> , 2007, 335, 233-241.	1.9	8
40	Transport properties and oxygen isotope effect in layered cobaltites $RBaCo_2O_{5+x}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 907-909.	2.3	5
41	Effect of light Sr doping on the spin state transition in. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 1552-1554.	2.3	19
42	Magnetic and electric transport properties of $TbBaCo_2O_{5.5}$ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, e710-e712.	2.3	10
43	High-temperature order-disorder transition and polaronic conductivity in $PrBaCo_2O_{5.48}$. <i>Physical Review B</i> , 2006, 73, .	3.2	93
44	Spin-State Transition in $LaCoO_3$: Direct Neutron Spectroscopic Evidence of Excited Magnetic States. <i>Physical Review Letters</i> , 2006, 97, 247208.	7.8	222
45	Molecular dynamics in triglycine sulphate by cold neutron spectroscopy. <i>Chemical Physics</i> , 2006, 322, 323-330.	1.9	5
46	Oxygen order-disorder phase transition in $PrBaCo_2O_{5.48}$ at high temperature. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 539-540.	2.7	19
47	Pressure effects on crystal structure, magnetic and transport properties of layered perovskite. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 537-538.	2.7	16
48	Irreversibility of the magnetic state of $Tm_{1-x}TbxCo_2$ revealed by specific heat, electrical resistivity, and neutron diffraction measurements. <i>Physical Review B</i> , 2006, 73, .	3.2	16
49	Effect of oxygen nonstoichiometry on structural and magnetic properties of. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 1348-1350.	2.7	2
50	Effect of oxygen ordering on the structural and magnetic properties of the layered perovskites $PrBaCo_2O_{5+l}$. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3317-3324.	1.8	52
51	Spin structure and magnetic phase transitions in $TbBaCo_2O_{5.5}$. <i>Physical Review B</i> , 2005, 71, .	3.2	98
52	Oxygen isotope effect on metal-insulator transition in layered cobaltites $RBaCo_2O_{5.5}$ ($R = Pr, Dy, Ho$)	1.8	39
53	Antiferromagnetism in the ordered subsystem of Cr ions intercalated into titanium diselenide. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 5255-5262.	1.8	16
54	Observation of the pseudogap in the heavily overdoped high-temperature superconductor $La_{1.71}Sr_{0.25}Ho_{0.04}CuO_4$. <i>Europhysics Letters</i> , 2004, 67, 1018-1023.	2.0	4

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55	Ni intercalation of titanium diselenide: effect on the lattice, specific heat and magnetic properties. Journal of Physics Condensed Matter, 2004, 16, 9243-9258.	1.8	15
56	The influence of Th substitution on the crystal structure and the crystal field spectrum of the high-Tc superconductor HoBa ₂ Cu ₃ O _{6.95} . Physica B: Condensed Matter, 2004, 350, E335-E337.	2.7	0
57	Superconducting magnetization and pressure effect on Tc in the infinite-layer high-Tc superconductors. Physica C: Superconductivity and Its Applications, 2004, 402, 317-324.	1.2	2
58	Magnetic structures and magnetic phase transitions in Ho ₃ Co. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 565-567.	2.3	10
59	Neutron-scattering studies of the pressure effect on the magnetic transition in Ho(Co _{0.9} Ga _{0.1}) ₂ . Physica B: Condensed Matter, 2004, 350, E143-E146.	2.7	2
60	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2003, 16, 543-554.	0.5	5
61	Onset of magnetism in Y _{1-x} Gd _x Co ₂ : effect on the heat capacity and electrical resistivity. Journal of Physics Condensed Matter, 2003, 15, 5371-5382.	1.8	17
62	Magnetic transition in Er _{1-x} Y _x Co ₂ (x=0,0.4) single crystals probed by neutron scattering in magnetic fields. Physical Review B, 2002, 66, .	3.2	15
63	The effect of Ca and Th substitution on the crystal-field spectrum of the high-Tc superconductor HoBa ₂ Cu ₃ O _x . Journal of Physics Condensed Matter, 2002, 14, 1923-1936.	1.8	4
64	Magnetic properties and crystal-field excitations in R _x Sr _{1-x} CoO ₃ . Applied Physics A: Materials Science and Processing, 2002, 74, s1746-s1748.	2.3	4
65	Neutron-diffraction investigation of the metamagnetic transition in ErCo ₂ . Applied Physics A: Materials Science and Processing, 2002, 74, s598-s600.	2.3	14
66	Magnetization and neutron scattering studies of the pressure effect on the magnetic transition in Er _{0.57} Y _{0.43} Co ₂ . European Physical Journal B, 2002, 29, 547-552.	1.5	5
67	Peculiarities of crystal structure and crystal-field excitations in R _{1-x} Al _x Sr ₂ R ₂ Cu ₂ O ₇ (R=Y, Er). Physica C: Superconductivity and Its Applications, 2000, 334, 55-63.	1.2	1
68	From SrCuO ₂ to Sr ₈ Cu ₈ O ₂₀ : Why Are Superconducting Properties of Infinite-Layer Compounds so Poor?. Journal of Superconductivity and Novel Magnetism, 2000, 13, 145-152.	0.5	2
69	Crystal-field spectrum in RBa ₂ Cu ₃ O _x (R = Er, Ho) high-Tc superconductors: evidence for charge order in CuO ₂ planes. Journal of Physics Condensed Matter, 1999, 11, 7155-7173.	1.8	7
70	Neutron spectroscopic studies of crystalline electric field in infinite-layer Sr _{1-x} Nd _x CuO ₂ . Physica B: Condensed Matter, 1997, 234-236, 794-796.	2.7	0
71	Neutron powder diffraction study of the infinite-layer compounds Sr _{1-x} Nd _x CuO ₂ . Physica B: Condensed Matter, 1997, 234-236, 818-820.	2.7	3
72	Neutron spectroscopic study of crystalline electric-field in infinite-layer Sr _{1-x} Nd _x CuO ₂ . Physica C: Superconductivity and Its Applications, 1997, 282-287, 1335-1336.	1.2	1

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73	Crystal structure and inelastic neutron scattering in the infinite-layer compounds $\text{Sr}_{1-x}\text{Nd}_x\text{CuO}_2$. European Physical Journal D, 1996, 46, 1411-1412.	0.4	0
74	New elaboration technique, structure and physical properties of infinite-layer $\text{Sr}_{1-x}\text{Ln}_x\text{CuO}_2$ (Ln = Nd, Tj ETQq0 0,0,rgBT /Overlock 10	1.2	16
75	Magnetic order of Pr ions in related perovskite-type Pr_{123} compounds. Journal of Applied Physics, 1994, 75, 6331-6333.	2.5	11
76	Synthesis, crystal structure and inelastic neutron scattering in the infinite-layer compounds $\text{Sr}_{1-x}\text{Nd}_x\text{CuO}_2$. Physica C: Superconductivity and Its Applications, 1994, 230, 311-317.	1.2	4
77	Crystal-field levels in the distorted perovskite PrGaO_3 . Journal of Physics Condensed Matter, 1994, 6, 4099-4106.	1.8	27
78	Magnetic order of Pr ions in $\text{PrBa}_2\text{Cu}_3\text{O}_6$. Solid State Communications, 1993, 88, 57-61.	1.9	19
79	Crystal-field and magnetic properties of the distorted perovskite NdGaO_3 . Journal of Physics Condensed Matter, 1993, 5, 8973-8982.	1.8	40
80	Neutron scattering studies of crystal structure and crystalline electric field in high-Tc $\text{ErBa}_2\text{Cu}_3\text{O}_x$ disordered by fast neutron irradiation. Physica C: Superconductivity and Its Applications, 1992, 200, 337-343.	1.2	9
81	Neutron spectroscopic studies of crystalline electric fields in high-Tc $\text{ErBa}_2\text{Cu}_3\text{O}_7$ doped with Zn and Ni. Physica C: Superconductivity and Its Applications, 1991, 175, 587-594.	1.2	20
82	Neutron spectroscopic studies of crystalline electric fields in disordered high-Tc $\text{ErBa}_2\text{Cu}_3\text{O}_x$. Physica C: Superconductivity and Its Applications, 1991, 185-189, 817-818.	1.2	4