

Jens Jensen

List of Publications by Year in descending order

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all docs

85
docs citations

85
times ranked

959
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Bloch oscillations and domain wall dynamics in a near-Ising ferromagnetic chain. Nature Communications, 2022, 13, 2547.	12.8	6
2	Comprehensive cluster-theory analysis of the magnetic structures and excitations in CoCl_2 . Physical Review B, 2018, 97, .	3.2	2
3	Magnetoelastic phase diagram of TbNi_2 . Physical Review B, 2018, 97, .	3.2	3
4	Spin excitations and quantum criticality in the quasi-one-dimensional Ising-like ferromagnet CoCl_2 in a transverse field. Physical Review B, 2017, 96, .	3.2	7
5	Field-induced reentrant magnetoelectric phase in LiNiPO_4 . Physical Review B, 2017, 95, .	3.2	19
6	Phase diagram of diluted Ising ferromagnet $\text{LiHo}_x\text{Y}_{1-x}\text{F}_4$. Physical Review B, 2016, 94, .	3.2	2
7	Neutron spectroscopic study of crystal field excitations and the effect of the crystal field on dipolar magnetism in LiR_4F_4 . Physical Review B, 2016, 94, .	3.2	26
8	Low-energy spin-wave excitations in amplitude-modulated magnetic structure of PrNi_2Si_2 . Journal of Physics: Conference Series, 2015, 663, 012010.	0.4	0
9	Lineshape of the singlet-triplet excitations in the dimer system $\text{Sr}_3\text{Cr}_2\text{O}_8$ to first order in the high-density expansion. Physical Review B, 2014, 89, .	3.2	10
10	Magnetic ordering in $\text{GdNi}_2\text{B}_2\text{C}$ revisited by resonant x-ray scattering: Evidence for the double- q model. Physical Review B, 2013, 88, .	3.2	4
11	Phasons, amplitude modes, and spin waves in the amplitude-modulated magnetic phase of PrNi_2Si_2 . Physical Review B, 2013, 87, .	3.2	5
12	Dispersive crystal field excitations and quadrupolar interactions in UPd_3 . Journal of Physics Condensed Matter, 2012, 24, 036002.	1.8	2
13	AC Losses in $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_{10+x}$ Tapes and a 3.15-m-Long Single-Phase Cable. IEEE Transactions on Applied Superconductivity, 2011, 21, 3599-3603.	1.7	1
14	Chiral spin-wave excitations of the spin- $\frac{5}{2}$ trimers in the langasite compound $\text{Ba}_3\text{NbFe}_3\text{O}_{12}$. Physical Review B, 2011, 84, .	3.2	17
15	Dispersion of Ti_2Cu spin waves in NbFe_3 to first order in the high-density expansion. Physical Review B, 2009, 80, .	3.2	6
16	High-field magnetic phase transitions and spin excitations in magnetoelectric LiNiPO_4 expansion. Physical Review B, 2011, 84, .	3.2	27
17	Bose-Einstein condensation and the magnetically ordered state of TiCuCl_3 . Physical Review B, 2009, 80, .	3.2	3
18	Anomalous Magnetic Excitations of Cooperative Tetrahedral Spin Clusters. Physical Review Letters, 2009, 102, 177202.	7.8	11

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19	Interacting spin- $\frac{1}{2}$ tetrahedral system: magnetic doublet and singlet states. <i>Physical Review B</i> , 2007, 76, .	3.2	11
20	Magnetic doublet and singlet states in the rare-earth borocarbides. <i>Physical Review B</i> , 2007, 75, .	3.2	14
21	Ordering of tetragonal borocarbides. <i>Physical Review B</i> , 2007, 76, .	3.2	13
22	Magnetic excitations near the quantum phase transition in the Ising ferromagnet LiHoF ₄ . <i>Physical Review B</i> , 2007, 75, .	3.2	41
23	Competing magnetic and superconducting order in the rare-earth borocarbides. <i>Physical Review B</i> , 2007, 75, .	3.2	12
24	Magnetic and quadrupolar ordering in TmNi ₂ B ₂ C. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 63-65.	2.7	0
25	Phonon-induced quadrupolar ordering of the magnetic superconductor TmNi ₂ B ₂ C. <i>Physical Review B</i> , 2006, 73, .	3.2	11
26	Multiple magnetic singlet-singlet excitations in intermetallic PrNiSn. <i>Physical Review B</i> , 2006, 73, .	3.2	3
27	Quantum Phase Transition of a Magnet in a Spin Bath. <i>Science</i> , 2005, 308, 389-392.	12.6	111
28	Field-induced magnetic phases in the normal and superconducting states of ErNi ₂ B ₂ C. <i>Physical Review B</i> , 2004, 69, .	3.2	17
29	Free energy analysis of the magnetic and superconducting phases in thulium borocarbide. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E177-E178.	2.3	1
30	Magnetic phase diagram of ErNi ₂ B ₂ C. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 97-99.	1.2	2
31	Magnetic Raman scattering of the ordered tetrahedral spin- $\frac{1}{2}$ clusters in Cu ₂ Te ₂ O ₅ (Br ¹⁺ x Cl ^x) ₂ compounds. <i>Europhysics Letters</i> , 2003, 64, 689-695.	2.0	27
32	Mean-field model of the ferromagnetic ordering in the superconducting phase of ErNi ₂ B ₂ C. <i>Physical Review B</i> , 2002, 65, .	3.2	21
33	The magnetic structures of Ho _x Tm _{1-x} thin film alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 1174-1176.	2.3	0
34	Pressure-dependent resistivity and magnetoresistivity of erbium. <i>Physical Review B</i> , 2000, 61, 6790-6797.	3.2	10
35	Interdependence of Magnetism and Superconductivity in the Borocarbide TmNi ₂ B ₂ C. <i>Physical Review Letters</i> , 2000, 84, 4982-4985.	7.8	42
36	Magnetic phase diagram of Ho _x Tm _{1-x} alloys. <i>Physical Review B</i> , 2000, 62, 14943-14949.	3.2	1

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37	Magnetoresistance and magnetization study of thulium. <i>Physical Review B</i> , 1998, 57, 8416-8423.	3.2	27
38	Threefold Symmetric Magnetic Two-Ion Coupling in hcp Rare-Earth Metals. <i>Acta Physica Polonica A</i> , 1997, 91, 89-103.	0.5	2
39	Theory of commensurable magnetic structures in holmium. <i>Physical Review B</i> , 1996, 54, 4021-4032.	3.2	31
40	Magnetic excitations in praseodymium alloys. <i>Physica B: Condensed Matter</i> , 1995, 213-214, 324-326.	2.7	1
41	Spin waves in the ferromagnetic phase of thulium. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 767-768.	2.3	5
42	Crystal fields and conduction electrons in praseodymium. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 735-738.	2.3	1
43	Magnetic properties of the dipole-coupled singlet-singlet system HoF ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 1191-1192.	2.3	3
44	Dipolar broadening of $l=1/2$ NMR spectra of solids. <i>Physical Review B</i> , 1995, 52, 9611-9619.	3.2	24
45	The nuclear heat capacity of HoF ₃ . <i>Journal of Physics Condensed Matter</i> , 1994, 6, L215-L219.	1.8	7
46	Magnetic excitations in the dipole-coupled singlet-singlet system HoF ₃ . <i>Journal of Physics Condensed Matter</i> , 1994, 6, 505-522.	1.8	16
47	1/z renormalization of the mean-field behavior of the dipole-coupled singlet-singlet system HoF ₃ . <i>Physical Review B</i> , 1994, 49, 11833-11841.	3.2	11
48	New mode of magnetic excitation in praseodymium. <i>Physical Review Letters</i> , 1994, 72, 3104-3107.	7.8	9
49	Non-Planar Magnetic Structures and Trigonal Interactions in Erbium. <i>Europhysics Letters</i> , 1993, 21, 705-710.	2.0	16
50	Magnetic structures and interactions in erbium. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 9673-9696.	1.8	46
51	Magnetic structures and excitations in rare earth metals: old problems and new solutions. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 1-6.	2.7	6
52	Spin waves in the ferrimagnetic and ferromagnetic phases of thulium. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 158-160.	2.7	4
53	Novel magnetic phases in holmium. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 1481-1484.	2.3	23
54	Spin waves, phonons, and crystal-field excitations in thulium. <i>Physical Review B</i> , 1991, 43, 3298-3310.	3.2	26

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55	Helifan: A new type of magnetic structure. Physical Review Letters, 1990, 64, 2699-2702.	7.8	72
56	Diffraction studies of rare earth metals and superlattices. Physica B: Condensed Matter, 1989, 159, 93-105.	2.7	74
57	Crystalline electric field effects in dilute alloys of rare earth metals. Journal of Magnetism and Magnetic Materials, 1988, 71, 279-284.	2.3	2
58	Impurity mode dynamics of dilute erbium in praseodymium. Journal of Magnetism and Magnetic Materials, 1988, 76-77, 399-400.	2.3	4
59	Rotational invariance and dipolar magnetoelastic effects: Application to TmSb. Physical Review B, 1988, 37, 9495-9503.	3.2	5
60	SPIN WAVES IN THE MAGNETIC STRUCTURES OF HOLMIUM. Journal De Physique Colloque, 1988, 49, C8-351-C8-352.	0.2	6
61	SPIN DYNAMICS OF THULIUM IONS IN TERBIUM. Journal De Physique Colloque, 1988, 49, C8-331-C8-332.	0.2	0
62	Magnetic excitations in the longitudinally polarized antiferromagnetic phase of praseodymium. Physical Review B, 1987, 35, 3327-3340.	3.2	22
63	Magnetic excitations in commensurable periodic structures. Physical Review Letters, 1987, 59, 712-715.	7.8	37
64	The coherent potential approximation and the diagrammatic $1/Z$ expansion for an anisotropic spin-1 paramagnet. Journal of Physics C: Solid State Physics, 1984, 17, 5367-5384.	1.5	9
65	Excitations of neodymium ions in praseodymium. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 601-602.	2.3	0
66	Electronic heat capacity of the rare-earth metals. Physical Review B, 1983, 27, 4085-4094.	3.2	101
67	Spin fluctuations in a spin-1 paramagnet with easy-planar anisotropy: Application to praseodymium. Journal of Physics C: Solid State Physics, 1982, 15, 2403-2415.	1.5	13
68	Magnetic excitations in rare earth systems. Journal of Magnetism and Magnetic Materials, 1982, 29, 47-58.	2.3	14
69	Spin waves in triple-q \uparrow structures. Application to USb. Physical Review B, 1981, 23, 6180-6183.	3.2	52
70	Magnetic properties of the HoY1-cSb system. Journal of Physics C: Solid State Physics, 1980, 13, 213-231.	1.5	24
71	Electrical resistivity of the singlet-ground-state system TbcY1 $\hat{\sim}$ cSb. Physical Review B, 1980, 21, 189-202.	3.2	36
72	PHYSICS OF RARE-EARTHS. The magnetism of praseodymium. Journal De Physique Colloque, 1979, 40, C5-1-C5-7.	0.2	10

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73	Field dependence of the elastic constant c_{66} in the basal-plane ferromagnet terbium. Journal of Physics C: Solid State Physics, 1979, 12, 4573-4584.	1.5	7
74	Magnetic excitations in praseodymium. Physical Review B, 1979, 20, 1105-1118.	3.2	96
75	CPA $\hat{\epsilon}$ Calculation of the paramagnetic excitations in Pr + 5%Nd. Journal of Magnetism and Magnetic Materials, 1979, 14, 224-226.	2.3	9
76	Magnetic effects on the elastic constants of praseodymium. Journal of Physics C: Solid State Physics, 1978, 11, 2465-2473.	1.5	9
77	Two- and single-ion magnetic anisotropy in the rare-earth metals. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1977, 86-88, 32-37.	0.9	6
78	Molecular field calculation of the magnetic structure in erbium. Journal of Physics F: Metal Physics, 1976, 6, 1145-1159.	1.6	40
79	Coupling between the magnetic excitations and the phonons in praseodymium. Journal of Physics C: Solid State Physics, 1976, 9, 111-127.	1.5	17
80	Comment on the Two-Ion Anisotropy in the Heavy-Rare-Earth Metals. Physical Review Letters, 1976, 37, 951-954.	7.8	9
81	Spin waves in terbium. I. Two-ion magnetic anisotropy. Physical Review B, 1975, 12, 303-319.	3.2	49
82	Spin waves in terbium. III. Magnetic anisotropy at zero wave vector. Physical Review B, 1975, 12, 332-344.	3.2	33
83	Spin waves in terbium. II. Magnon-phonon interaction. Physical Review B, 1975, 12, 320-331.	3.2	30
84	Title is missing!. Journal of Physics C: Solid State Physics, 1975, 8, 2769-2780.	1.5	21
85	Anisotropic exchange interaction in the conical magnetic phase of erbium. Journal of Physics F: Metal Physics, 1974, 4, 1065-1072.	1.6	22