Rudolf Feile

List of Publications by Year
in descending order

52 papers	1,648 citations	394421 19 h-index	276875 41 g-index
53 all docs	53 docs citations	53 times ranked	1058 citing authors

#	Article	IF	Citations
1	High-pressure Raman scattering of the stretching mode in nitrogen along the 300-K isotherm. Physical Review B, 1996, 54, 14-17.	3.2	351
2	Lattice vibrations in high-Tc superconductors: Optical spectroscopy and lattice dynamics. Physica C: Superconductivity and Its Applications, 1989, 159, 1-32.	1.2	238
3	Investigations of TiO2 films deposited by different techniques. Thin Solid Films, 1991, 197, 279-285.	1.8	162
4	Frequency Dependence of the Orientational Freezing in(KBr)1âˆ'x(KCN)x. Physical Review Letters, 1982, 48, 1263-1266.	7.8	100
5	Spin dynamics of an isotropic singlet-ground-state antiferromagnet with alternating strong and weak interactions: An inelastic-neutron-scattering study of the dimer compoundCs3Cr2Br9. Physical Review B, 1984, 30, 6300-6307.	3.2	71
6	Influence of Superconductivity on Crystal Electric Field Transitions inLa1âˆ'xTbxAl2. Physical Review Letters, 1981, 47, 610-613.	7.8	59
7	Catalyst free growth of a carbon nanotubeâ€“alumina composite structure. Inorganica Chimica Acta, 2008, 361, 1770-1778.	2.4	59
8	The cooperative spin transition in [FexZn1 âˆ' x(ptz)6](BF4)2: I. Elastic properties â€" an oriented sample rotation study by Brillouin spectroscopy. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1996, 100, 517-522.	1.1	52
9	Elastic properties of(KBr)1âˆ'x(KCN)x. Physical Review B, 1982, 26, 6875-6880.	3.2	49
10	Orientational glass behaviour of K Br0.96(CN)0.04. Zeitschrift FÃ¼r Physik B Condensed Matter and Quanta, 1981, 42, 143-149.	1.9	37
11	Inelastic neutron scattering study of the rotational excitations in(KBr)1âˆ'x(KCN)xin the paraelastic and structural glass state. Physical Review B, 1984, 29, 6052-6062.	3.2	35
12	Inelastic Neutron Scattering Study of the Structural Glass Transition in a K (Br,CN) Mixed Crystal. Physical Review Letters, 1983, 51, 1054-1057.	7.8	31
13	Compaction of tungsten oxide films by ion-beam irradiation. Thin Solid Films, 1993, 235, 228-233.	1.8	30
14	Inelastic neutron scattering investigation of the magnetic excitations of linear chain antiferromagnets CsVX3 (X = Cl, Br, I). Solid State Communications, 1984, 50, 435-437.	1.9	28
15	Temperature effects on the phonon spectrum in YBa2Cu3O7 single crystals and thin films. European Physical Journal B, 1988, 73, 155-160.	1.5	27
16	Coupled rotational and translational modes in the mixed molecular crystal KBr1?x (CN) x. Zeitschrift FÃ¼r Physik B Condensed Matter and Quanta, 1980, 38, 253-262.	1.9	23
17	AOT microemulsions: droplet size and clustering in the temperature range between the supercooled state and the upper phase boundary. Soft Matter, 2013, 9, 11503.	2.7	21
18	Polarized Raman scattering on an YBa2Cu3O7 single crystal. Physica C: Superconductivity and Its Applications, 1988, 152, 491-494.	1.2	20

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19	Collective excitations in the singlet-ground-state dimer systemCs3Cr2Br9. Physical Review B, 1983, 28, 5368-5370.	3.2	19
20	Macroscopic persistent currents in YBa2Cu3O7. European Physical Journal B, 1988, 70, 141-144.	1.5	18
21	Temperature dependent Raman spectra of CsCdBr3 and CsCdCl3 crystals. Journal of Luminescence, 2015, 161, 174-179.	3.1	18
22	Neutron scattering study of melting ofHe3surface layers. Physical Review B, 1982, 25, 3410-3412.	3.2	17
23	Characterization of thin superconducting YBACuO-films by Raman-spectroscopy. European Physical Journal B, 1988, 72, 161-164.	1.5	15
24	Renormalization of phonons in a (Y/Pr)Ba2Cu3O7superlattice investigated by Raman spectroscopy. Physical Review Letters, 1993, 70, 3804-3807.	7.8	14
25	Anomalous thermoelastic behavior of (KI)1-x(NH4I)x. Solid State Communications, 1990, 74, 1041-1045.	1.9	13
26	Anomalous intensity of the 335 cmâ¯1 phonon in YBa2Cu3O7âˆ'Î´. Physica C: Superconductivity and Its Applications, 1991, 175, 89-92.	1.2	13
27	Investigation of the epitaxy of thin YBa2Cu3O7âˆ'Î´ films. Physica C: Superconductivity and Its Applications, 1990, 168, 359-362.	1.2	12
28	Tunneling and point contact investigations of La1.85Sr0.15CuO4. European Physical Journal B, 1987, 67, 25-29.	1.5	11
29	High-pressure Raman study of theN2stretching vibration in argon-nitrogen mixtures at room temperature. Physical Review B, 1996, 54, 913-919.	3.2	10
30	Inelastic and quasi-elastic light scattering in (NaCN)1?x(KCN)x quadrupolar glasses. European Physical Journal B, 1990, 80, 203-206.	1.5	8
31	Anisotropic exchange in PrSn3. Journal of Magnetism and Magnetic Materials, 1985, 52, 323-325.	2.3	7
32	Crystal field parameters and line widths for Tm0.003La0.997Al2 in the normal and superconducting phase. Solid State Communications, 1985, 54, 563-566.	1.9	7
33	Macroscopic persistent currents in laser deposited YBa2Cu3O7 films. Physica C: Superconductivity and Its Applications, 1989, 159, 513-518.	1.2	7
34	Interband electron-phonon coupling in YBa2Cu3O7âˆ'x: The B1g phonon Raman scattering and plane oxygen ions interaction. Solid State Communications, 1995, 94, 851-855.	1.9	7
35	Single particle orientational potential for the N2 molecules in the cubic Î´ phase of nitrogen. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1997, 100, 417-421.	1.1	7
36	Ultrasonic measurements in Ce0.74Th0.26. Solid State Communications, 1981, 40, 507-508.	1.9	6

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37	Comment on â€˜â€˜Renormalization of phonons in a (Y/Pr)Ba2Cu3O7superlattice investigated by Raman spectroscopyâ€™â€™. Physical Review Letters, 1993, 71, 2163-2163.	7.8	6
38	Anomalous linewidths of the crystal electric field excitations in La0.997Tm0.003Al2below the superconducting transition. Journal of Physics C: Solid State Physics, 1983, 16, L465-L469.	1.5	5
39	Raman experiments on YBaCuO-Superconductors. Physica C: Superconductivity and Its Applications, 1988, 153-155, 292-293.	1.2	5
40	Feile and Li reply. Physical Review Letters, 1993, 71, 2164-2164.	7.8	5
41	Fast one step preparation of high quality YBa 2 Cu 3 O 7â^'x thin films by laser ablation. Physica C: Superconductivity and Its Applications, 1989, 162-164, 123-124.	1.2	4
42	Confined and extended optical phonons in an ultrathin-layerYBa2Cu3O7/PrBa2Cu3O7superlattice. Physical Review B, 1995, 51, 1322-1325.	3.2	3
43	A neutron scattering study of the magnetic properties of PrSn3. European Physical Journal B, 1988, 73, 81-87.	1.5	2
44	Temperature effects on the phonon spectrum in YBa2Cu3O7 single crystals and thin films. Journal of the Less Common Metals, 1989, 151, 125-132.	0.8	2
45	Light scattering in orientational glasses. Journal of Non-Crystalline Solids, 1994, 172-174, 481-487.	3.1	2
46	Light scattering in a (Y/Pr)Ba2Cu3O7 superlattice and the intensity of a new Raman active phonon. Physica C: Superconductivity and Its Applications, 1995, 242, 46-54.	1.2	2
47	Charge transfer in high-Tc(Y/Pr)Ba2Cu3O7superlattices. Physical Review B, 1996, 53, 6836-6837.	3.2	2
48	Raman scattering studies of ultrathin-layer YBa2Cu3O7/PrBa2Cu3O7 superlattices. Journal of Superconductivity and Novel Magnetism, 1994, 7, 213-216.	0.5	1
49	Influence of Superconductivity on Crystal Electric Field Transitions inLa1â^'xTbxAl2. Physical Review Letters, 1981, 47, 1678-1678.	7.8	0
50	Phase transformation in a glass-ceramic observed by laser spectroscopy. Applied Physics A: Solids and Surfaces, 1988, 45, 185-187.	1.4	0
51	Light scattering mechanism in(Y/Pr)Ba 2 Cu 3 O 7 superlattices. Journal of Low Temperature Physics, 1995, 99, 263-265.	1.4	0
52	An interface effect in c-oriented (Y/Pr)Ba2Cu3O7 Superlattices: Raman scattering by â€˜Forbiddenâ€™ phonons. Journal of Physics and Chemistry of Solids, 1997, 58, 379-383.	4.0	0