

Alois Loidl

List of Publications by Year in descending order

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825
papers

30,657
citations

5248

83
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10708

138
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844
all docs

844
docs citations

844
times ranked

17154
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of apparent colossal dielectric constants. <i>Physical Review B</i> , 2002, 66, .	1.1	812
2	Oriental glasses. <i>Advances in Physics</i> , 1990, 39, 405-615.	35.9	709
3	Nonintrinsic origin of the colossal dielectric constants in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. <i>Physical Review B</i> , 2004, 70, .	1.1	623
4	Glassy dynamics. <i>Contemporary Physics</i> , 2000, 41, 15-36.	0.8	546
5	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor GaV_4S_8 . <i>Nature Materials</i> , 2015, 14, 1116-1122.	13.3	523
6	Possible evidence for electromagnons in multiferroic manganites. <i>Nature Physics</i> , 2006, 2, 97-100.	6.5	489
7	Relaxor ferroelectricity and colossal magnetocapacitive coupling in ferromagnetic CdCr_2S_4 . <i>Nature</i> , 2005, 434, 364-367.	13.7	475
8	Colossal dielectric constants in transition-metal oxides. <i>European Physical Journal: Special Topics</i> , 2009, 180, 61-89.	1.2	359
9	Excess Wing in the Dielectric Loss of Glass Formers: A Johari-Goldstein ² Relaxation?. <i>Physical Review Letters</i> , 2000, 84, 5560-5563.	2.9	334
10	Nonresonant Spectral Hole Burning in the Slow Dielectric Response of Supercooled Liquids. <i>Science</i> , 1996, 274, 752-754.	6.0	326
11	Observation of a Griffiths Phase in Paramagnetic $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 2005, 95, 257202.	2.9	315
12	Relaxation dynamics in plastic crystals. <i>Journal of Chemical Physics</i> , 2002, 116, 10386-10401.	1.2	302
13	Structural, magnetic, and electrical properties of single-crystalline $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.4 < x < 0.85$). <i>Physical Review B</i> , 2002, 66, .	1.1	259
14	Nature and properties of the Johari-Goldstein ² -relaxation in the equilibrium liquid state of a class of glass-formers. <i>Journal of Chemical Physics</i> , 2001, 115, 1405-1413.	1.2	243
15	Neutron diffraction study of the heavy fermion superconductors UM_2Al_3 (M=Pd, Ni). <i>European Physical Journal B</i> , 1992, 86, 161-162.	0.6	226
16	Glassy Aging Dynamics. <i>Physical Review Letters</i> , 2005, 95, 055702.	2.9	217
17	Dielectric spectroscopy in SrTiO_3 . <i>Physical Review B</i> , 1994, 50, 601-604.	1.1	209
18	Multiferroicity in an organic charge-transfer salt that is suggestive of electric-dipole-driven magnetism. <i>Nature Materials</i> , 2012, 11, 755-758.	13.3	207

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19	The route to resource-efficient novel materials. <i>Nature Materials</i> , 2011, 10, 899-901.	13.3	190
20	Fast Dynamics of Glass-Forming Glycerol Studied by Dielectric Spectroscopy. <i>Physical Review Letters</i> , 1996, 77, 318-321.	2.9	189
21	Colossal dielectric constants in single-crystalline and ceramic $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ investigated by broadband dielectric spectroscopy. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	189
22	Spin and Orbital Frustration in MnSc_2S_4 and FeSc_2S_4 . <i>Physical Review Letters</i> , 2004, 92, 116401.	2.9	180
23	Colossal dielectric constant up to gigahertz at room temperature. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	178
24	Broadband dielectric spectroscopy on glass-forming propylene carbonate. <i>Physical Review E</i> , 1999, 59, 6924-6936.	0.8	175
25	Complex interplay of 3d and 4f magnetism in $\text{La}_{1-x}\text{Gd}_x\text{MnO}_3$. <i>Physical Review B</i> , 2004, 70, .	1.1	175
26	Multiferroic phases of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Physical Review B</i> , 2007, 75, .	1.1	174
27	Electric-field-dependent dielectric constant and nonlinear susceptibility in SrTiO_3 . <i>Physical Review B</i> , 1995, 52, 13159-13162.	1.1	172
28	ESR study in lightly doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Physical Review B</i> , 2000, 61, 6213-6219.	1.1	169
29	Fifth-order susceptibility unveils growth of thermodynamic amorphous order in glass-formers. <i>Science</i> , 2016, 352, 1308-1311.	6.0	164
30	Dielectric spectroscopy of glass-forming materials: τ_{\pm} -relaxation and excess wing. <i>Chemical Physics</i> , 2002, 284, 205-219.	0.9	163
31	Response of Disordered Matter to Electromagnetic Fields. <i>Physical Review Letters</i> , 2003, 91, 207601.	2.9	156
32	Geometric frustration in the cubic spinels MAl_2O_4 (M=Co, Fe, and Mn). <i>Physical Review B</i> , 2005, 72, .	1.1	156
33	Terahertz BWO-Spectroscopy. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2005, 26, 1217-1240.	0.6	152
34	Correlated barrier hopping in NiO films. <i>Physical Review B</i> , 1991, 44, 5927-5930.	1.1	145
35	Ionic conductivity and relaxations in $\text{ZrO}_2\text{-Y}_2\text{O}_3$ solid solutions. <i>Solid State Ionics</i> , 1998, 109, 111-118.	1.3	143
36	Colossal Magnetocapacitance and Colossal Magnetoresistance in HgCr_2S_4 . <i>Physical Review Letters</i> , 2006, 96, 157202.	2.9	140

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37	Dielectric and far-infrared spectroscopy of glycerol. Journal of Non-Crystalline Solids, 1998, 235-237, 173-179.	1.5	138
38	Multiferroicity and skyrmions carrying electric polarization in GaV_4S_8 . Science Advances, 2015, 1, e1500916.	4.7	136
39	Magnetic Excitations and Continuum of a Possibly Field-Induced Quantum Spin Liquid in RuCl_2 . Physical Review Letters, 2017, 119, 227202.	2.9	135
40	Large Magnetostriction and Negative Thermal Expansion in the Frustrated Antiferromagnet ZnCr_2Se_4 . Physical Review Letters, 2007, 98, 147203.	2.9	131
41	On the room temperature multiferroic BiFeO_3 : magnetic, dielectric and thermal properties. European Physical Journal B, 2010, 75, 451-460.	0.6	131
42	Low-energy electrodynamics of SmB_6 . Physical Review B, 1999, 59, 1808-1814.	1.1	130
43	Broadband dielectric spectroscopy on single-crystalline and ceramic $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. Applied Physics Letters, 2007, 91, 022910.	1.5	130
44	Broadband dielectric spectroscopy on human blood. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 727-740.	1.1	129
45	Negative Refraction in Ferromagnet-Superconductor Superlattices. Physical Review Letters, 2005, 95, 247009.	2.9	128
46	Cooperativity and the Freezing of Molecular Motion at the Glass Transition. Physical Review Letters, 2013, 111, 225702.	2.9	128
47	Polar relaxation mode in pure and iron-doped barium titanate. Physical Review B, 1989, 40, 11441-11444.	1.1	127
48	Electrode polarization effects in broadband dielectric spectroscopy. European Physical Journal B, 2011, 83, 157-165.	0.6	124
49	Orbital Freezing and Orbital Glass State in FeCr_2S_4 . Physical Review Letters, 2005, 94, 027601.	2.9	118
50	Spin-phonon coupling in antiferromagnetic chromium spinels. New Journal of Physics, 2007, 9, 76-76.	1.2	118
51	Fast Dynamics in CKN and CRN Investigated by Dielectric Spectroscopy. Physical Review Letters, 1997, 78, 2995-2998.	2.9	117
52	Crystallographic and magnetic structure of ZnV_2O_4 . European Physical Journal B, 2003, 35, 311-316.	0.6	117
53	Radio-frequency dielectric measurements at temperatures from 10 to 450 K. Journal of Applied Physics, 1989, 65, 901-904.	1.1	114
54	NMR Study in the Iron-Selenide $\text{Rb}_{0.74}\text{Fe}_{0.26}\text{Se}_2$. Determination of the Superconducting Phase as Iron Vacancy-Free $\text{Rb}_{0.3}\text{Fe}_{0.7}\text{Se}_2$. Physical Review Letters, 2012, 108, 237002.	2.9	113

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55	Electron spin resonance studies on the organic linear-chain compounds(TMTCF) $2X\hat{\epsilon}$, (C=S,Se;X=PF ₆ ,AsF ₆ ,ClO ₄ ,Br). Physical Review B, 2000, 61, 511-521.	1.1	111
56	Dielectric spectra and electrical conduction in Fe-dopedSrTiO ₃ . Physical Review B, 2000, 61, 3922-3926.	1.1	109
57	Glycerol Hydrogen-Bonding Network Dominates Structure and Collective Dynamics in a Deep Eutectic Solvent. Journal of Physical Chemistry B, 2018, 122, 1261-1267.	1.2	106
58	Switching the ferroelectric polarization in the cuprate $S_{1-x}Li_xCuV_m$. Physical Review B, 2011, 84, 114107.	1.1	105
59	X-ray diffraction on (KBr) $1\hat{x}$ (KCN) x mixed crystals. Physical Review B, 1985, 31, 5387-5392.	1.1	103
60	Coupling of phonons and electromagnons in GdMnO ₃ . Physical Review B, 2006, 74, .	1.1	101
61	Importance of liquid fragility for energy applications of ionic liquids. Scientific Reports, 2015, 5, 13922.	1.6	101
62	Frequency Dependence of the Orientational Freezing in (KBr) $1\hat{x}$ (KCN) x . Physical Review Letters, 1982, 48, 1263-1266.	2.9	100
63	New observations concerning magnetism and superconductivity in heavy-fermion metals. Physica B: Condensed Matter, 1996, 223-224, 1-8.	1.3	100
64	Direct observation of the superconducting energy gap developing in the conductivity spectra of niobium. Physical Review B, 1998, 57, 14416-14421.	1.1	100
65	Quantum paraelectric and induced ferroelectric states in. Journal of Physics Condensed Matter, 1996, 8, 4673-4690.	0.7	98
66	Anisotropic exchange in LiCuVO ₄ probed by ESR. Physical Review B, 2002, 65, .	1.1	98
67	Phase separation in superconducting and antiferromagnetic $Rb_{0.8}Fe_2$ by Mössbauer spectroscopy. Physical Review B, 2011, 84, .	1.1	98
68	Magnetic Resonant Mode in the Low-Energy Spin-Excitation Spectrum of Superconducting $RbFe_2$ Crystals. Physical Review Letters, 2011, 107, 177005.	2.9	98
69	Magnetic order in a Kondo lattice: A neutron scattering study of CeCu ₂ Ge ₂ . European Physical Journal B, 1989, 77, 95-104.	0.6	96
70	Non-Fermi-Liquid Behavior at a Ferromagnetic Quantum Critical Point in Ni _x Pd $1\hat{x}$. Physical Review Letters, 1999, 82, 4268-4271.	2.9	96
71	Formation of Zn _{1-x} Mn _x S Nanowires within Mesoporous Silica of Different Pore Sizes. Journal of the American Chemical Society, 2004, 126, 797-807.	6.6	96
72	Relaxation dynamics of a protein solution investigated by dielectric spectroscopy. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 723-730.	1.1	95

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73	Dielectric Relaxation Processes, Electronic Structure, and Band Gap Engineering of Metal-Organic Frameworks: Towards a Rational Design of Semiconducting Microporous Materials. <i>Advanced Functional Materials</i> , 2014, 24, 3885-3896.	7.8	95
74	Charge carrier localization investigated by ac conductivity measurements. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 3273-3290.	0.7	94
75	High-frequency dielectric spectroscopy on glycerol. <i>Europhysics Letters</i> , 1996, 33, 611-616.	0.7	91
76	Spin-Driven Phonon Splitting in Bond-Frustrated ZnCr_2S_4 . <i>Physical Review Letters</i> , 2006, 97, 087204.	2.9	91
77	Magnetic properties and specific heat of RMnO_3 ($R=\text{Pr}, \text{Nd}$). <i>Physical Review B</i> , 2004, 69, .	1.1	90
78	Superconductivity at $T_c = 44$ K in $\text{Li}_x\text{Fe}_2\text{Se}_2(\text{NH}_3)_y$. <i>European Physical Journal B</i> , 2012, 85, 1.	0.6	89
79	Competition of magnetism and superconductivity in underdoped $(\text{Ba}_{1-x}\text{K}_x)\text{Fe}_2\text{As}_2$. <i>New Journal of Physics</i> , 2009, 11, 025014.	1.2	88
80	Spiral spin-liquid and the emergence of a vortex-like state in MnSc_2S_4 . <i>Nature Physics</i> , 2017, 13, 157-161.	6.5	88
81	Equilibrium Skyrmion Lattice Ground State in a Polar Easy-plane Magnet. <i>Scientific Reports</i> , 2017, 7, 7584.	1.6	87
82	Relaxations and fast dynamics of the plastic crystal cyclo-octanol investigated by broadband dielectric spectroscopy. <i>Physical Review B</i> , 1997, 56, R5713-R5716.	1.1	86
83	Proton glass behavior and hopping conductivity in solid solutions of antiferroelectric betaine phosphate and ferroelectric betaine phosphite. <i>Physical Review Letters</i> , 1991, 66, 1990-1993.	2.9	85
84	Experimental observation of Bethe strings. <i>Nature</i> , 2018, 554, 219-223.	13.7	84
85	Magnetic properties and the phase diagram of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ for $x \approx 1/2$. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 3993-4011.	0.7	83
86	Physical properties of $\text{FeSe}_{0.5}\text{Te}_{0.5}$ single crystals grown under different conditions. <i>European Physical Journal B</i> , 2011, 79, 289-299.	0.6	83
87	Ion transport in the fragile glass former $3\text{KNO}_3 \cdot 2\text{Ca}(\text{NO}_3)_2$. <i>Physical Review E</i> , 1996, 54, 676-684.	0.8	82
88	Hydrogen-Bond Equilibria and Lifetimes in a Monohydroxy Alcohol. <i>Physical Review Letters</i> , 2011, 107, 118304.	2.9	82
89	Wide range dielectric spectroscopy on glass-forming materials: An experimental overview. <i>Ferroelectrics</i> , 2001, 249, 89-98.	0.3	81
90	Negative Refraction Observed in a Metallic Ferromagnet in the Gigahertz Frequency Range. <i>Physical Review Letters</i> , 2007, 98, 197401.	2.9	81

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91	Temperature development of glassy ϵ'' -relaxation dynamics determined by broadband dielectric spectroscopy. Physical Review E, 2010, 81, 051504.	0.8	81
92	Real-space imaging of the atomic-scale magnetic structure of Fe _{1+y} Te. Science, 2014, 345, 653-656.	6.0	79
93	Excess wing in the dielectric loss of glass-forming ethanol: A relaxation process. Physical Review B, 2000, 62, 8878-8883.	1.1	78
94	Intrinsic EPR in La _{2-x} Sr _x CuO ₄ : Manifestation of Three-Spin Polarons. Physical Review Letters, 1997, 79, 4274-4277.	2.9	77
95	Dramatic Change of the Magnetic Response in LiV ₂ O ₄ : Possible Heavy Fermion to Itinerant Metal Transition. Physical Review Letters, 1999, 82, 2919-2922.	2.9	77
96	Dielectric relaxation modes in bismuth-doped SrTiO ₃ : The relaxor behavior. Physical Review B, 1999, 59, 6670-6674.	1.1	77
97	Ordered Arrays of II/V Diluted Magnetic Semiconductor Quantum Wires: Formation within Mesoporous MCM-41 Silica. Chemistry - A European Journal, 2002, 8, 185-194.	1.7	77
98	Optical Conductivity and Penetration Depth in MgB ₂ . Physical Review Letters, 2001, 87, 097003.	2.9	75
99	Specific heat, resistivity and neutron scattering studies in the Kondo lattice CeNi ₂ Ge ₂ . Journal of Magnetism and Magnetic Materials, 1988, 74, 341-346.	1.0	74
100	Phase separation and frustrated square lattice magnetism of NaVOPO ₄ F. Physical Review B, 2007, 75, 040402.	1.1	74
101	(K _{1-x} (NH ₄) _x) ₂ FeF ₄ : A dipolar glass. Physical Review Letters, 1990, 64, 3139-3142.	2.9	73
102	Neutron-scattering studies on CeM ₂ Ge ₂ (M=Ag, Au, and Ru). Physical Review B, 1992, 46, 9341-9351.	1.1	73
103	Paraelectric and ferroelectric phases of betaine phosphite: Structural, thermodynamic, and dielectric properties. Ferroelectrics, 1993, 138, 1-10.	0.3	73
104	Ac susceptibility studies of ferrimagnetic FeCr ₂ S ₄ single crystals. Journal of Applied Physics, 2001, 90, 4639-4644.	1.1	73
105	Evidence for Jahn-Teller Distortions at the Antiferromagnetic Transition in LaTiO ₃ . Physical Review Letters, 2003, 91, 066403.	2.9	73
106	Nanoscale Layering of Antiferromagnetic and Superconducting Phases in RbFe ₂ Se ₂ Crystals. Physical Review Letters, 2012, 109, 017003.	2.9	73
107	Vibronic and Magnetic Excitations in the Spin-Orbital Liquid State of FeSc ₂ S ₄ . Physical Review Letters, 2005, 94, 237402.	2.9	72
108	Reciprocal-space structure and dispersion of the magnetic resonant mode in the superconducting phase of RbFe ₂ Se ₂ . Physical Review B, 2012, 85, .	1.1	71

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109	$\text{Li}^+ \text{Transport}$ in Poly(Ethylene Oxide) Based Electrolytes: Neutron Scattering, Dielectric Spectroscopy, and Molecular Dynamics Simulations. <i>Physical Review Letters</i> , 2013, 111, 018301.	2.9	71
110	Dipolar and Quadrupolar Freezing in $(\text{KBr})_{1-x}(\text{KCN})_x$. <i>Physical Review Letters</i> , 1986, 56, 1716-1719.	2.9	70
111	Electromagnons in multiferroic manganites. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 434209.	0.7	69
112	Relaxations as Key to the Magnetocapacitive Effects in the Perovskite Manganites. <i>Physical Review Letters</i> , 2009, 102, 207208.	2.9	69
113	Heavy fermions: Typical phenomena and recent developments. <i>Journal of Low Temperature Physics</i> , 1994, 95, 3-22.	0.6	68
114	Is There an Excess Wing in the Dielectric Loss of Plastic Crystals?. <i>Physical Review Letters</i> , 1999, 82, 1951-1954.	2.9	68
115	Critical behavior in single-crystalline LaMnO_3 . <i>Physical Review B</i> , 2010, 82, .	11.1	687
116	Unconventional Magnetostructural Transition in CoCr_2O_4 . <i>Physical Review Letters</i> , 2013, 110, 115502.	2.9	68
117	Liquid 1-propanol studied by neutron scattering, near-infrared, and dielectric spectroscopy. <i>Journal of Chemical Physics</i> , 2014, 140, 124501.	1.2	68
118	Potential Signature of a Kosterlitz-Thouless Transition in $\text{BaNi}_2\text{V}_2\text{O}_8$. <i>Physical Review Letters</i> , 2003, 91, 137601.	2.9	67
119	Optical phonons, spin correlations, and spin-phonon coupling in the frustrated pyrochlore magnets CdCr_2O_7 and ZnCr_2O_7 . <i>Physical Review B</i> , 2009, 80, .	1.1	67
120	Relaxation dynamics and ionic conductivity in a fragile plastic crystal. <i>Journal of Chemical Physics</i> , 2010, 133, 144509.	1.2	67
121	Magnetic and Magnetoelectric Excitations in TbMnO_3 . <i>Physical Review Letters</i> , 2009, 102, 107203.	2.9	66
122	On the complexity of spinels: Magnetic, electronic, and polar ground states. <i>Physics Reports</i> , 2021, 926, 1-86.	10.3	66
123	Electromagnetic-radiation absorption by water. <i>Physical Review E</i> , 2017, 96, 062607.	0.8	65
124	Dielectric behavior of copper tantalum oxide. <i>Journal of Applied Physics</i> , 2004, 96, 4400-4404.	1.1	64
125	Polaronic excitations in colossal magnetoresistance manganite films. <i>Physical Review B</i> , 2006, 73, .	1.1	64
126	Correlations of structural, magnetic, and dielectric properties of undoped and doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. <i>European Physical Journal B</i> , 2009, 72, 173-182.	0.6	64

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127	Dipolar and quadrupolar freezing in $(\text{NaCN})_{1-x}(\text{KCN})_x$. Physical Review B, 1986, 34, 1238-1249.	1.1	63
128	Orientalional Glasses. Annual Review of Physical Chemistry, 1989, 40, 29-60.	4.8	63
129	Dielectric anomalies in bismuth-doped SrTiO_3 : Defect modes at low impurity concentrations. Physical Review B, 1999, 59, 6665-6669.	1.1	63
130	Electronic structure and magnetic interactions in LiV_2O_4 . Europhysics Letters, 1999, 46, 762-767.	0.7	63
131	Excess wing in the dielectric loss of glass formers: further evidence for a τ^2 -relaxation. Journal of Non-Crystalline Solids, 2002, 307-310, 336-344.	1.5	63
132	Thermodynamic properties of the ternary compounds CeM_2Ge_2 . Journal of Magnetism and Magnetic Materials, 1988, 76-77, 150-152.	1.0	62
133	Mass spectra of heavy ions near comet Halley. Nature, 1986, 321, 335-336.	13.7	61
134	Nonlinear Dielectric Response at the Excess Wing of Glass-Forming Liquids. Physical Review Letters, 2013, 110, 107603.	2.9	61
135	Excess wing in glass-forming glycerol and LiCl -glycerol mixtures detected by neutron scattering. European Physical Journal E, 2015, 38, 1.	0.7	61
136	Colossal dielectric constants: A common phenomenon in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ related materials. Solid State Communications, 2010, 150, 857-860.	0.9	59
137	Kinetics of Conformational Sampling in Ubiquitin. Angewandte Chemie - International Edition, 2011, 50, 11437-11440.	7.2	59
138	Debye relaxation and 250 K anomaly in glass forming monohydroxy alcohols. Journal of Chemical Physics, 2013, 138, 094505.	1.2	59
139	High-frequency dynamics of type B glass formers investigated by broadband dielectric spectroscopy. Journal of Non-Crystalline Solids, 2011, 357, 510-514.	1.5	58
140	Ionic conductivity of deep eutectic solvents: the role of orientational dynamics and glassy freezing. Physical Chemistry Chemical Physics, 2019, 21, 6801-6809.	1.3	58
141	Terahertz conductivity at the Verwey transition in magnetite. Physical Review B, 2005, 72, .	1.1	57
142	Terahertz spectroscopy of electromagnons in $\langle \mathbf{r} \rangle$	1.1	57
143	Physi Glassy dynamics under superhigh pressure. Physical Review E, 2010, 81, 041503.	0.8	57
144	Anisotropic magnetism, superconductivity, and the phase diagram of RbFeSe_2	1.1	56

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145	Static Freezing Transition at a Finite Temperature in a Quasi-One-Dimensional Deuteron Glass. Physical Review Letters, 1996, 76, 2330-2333.	2.9	54
146	Scaling behaviour in the frequency dependent conductivity of mixed alkali glasses. Solid State Ionics, 1998, 112, 69-74.	1.3	54
147	Relaxation dynamics and colossal magnetocapacitive effect in CdCr ₂ S ₄ . Physical Review B, 2005, 72, .	1.1	54
148	Spin frustration and magnetic exchange in cobalt aluminum oxide spinels. Physical Review B, 2008, 77, .	1.1	54
149	ac conductivity in La ₂ CuO ₄ . Physical Review Letters, 1992, 69, 498-501.	2.9	53
150	Study of one-dimensional nature of S=1/2(Sr,Ba) ₂ Cu(PO ₄) ₂ and BaCu ₂ O ₇ via P ₃₁ NMR. Physical Review B, 2005, 71, .	1.1	53
151	Dielectric properties and dynamical conductivity of LaTiO ₃ : From dc to optical frequencies. Physical Review B, 2003, 68, .	1.1	52
152	Thermodynamic evidence of fractionalized excitations in RuC . Physical Review B, 2019, 99, .	1.1	52
153	Magnetic, electronic, dielectric and optical properties of Pr(Ca:Sr)MnO ₃ . European Physical Journal B, 2001, 20, 7-17.	0.6	51
154	Crystal field, Dzyaloshinsky-Moriya interaction, and orbital order in La _{0.95} Sr _{0.05} MnO ₃ probed by ESR. Physical Review B, 2002, 65, .	1.1	51
155	Dielectric spectroscopy on aqueous electrolytic solutions. Radiation and Environmental Biophysics, 2009, 48, 107-114.	0.6	51
156	Raman-Scattering Detection of Nearly Degenerate s -Wave and d -Wave Pairing Channels in Iron-Based Ba . Physical Review B, 2006, 74, .	2.9	51
157	Structural and magnetic dimers in the spin-gapped system CuTe ₂ O ₅ . Physical Review B, 2006, 74, .	1.1	50
158	Absence of polar order in LuFe ₂ O ₄ . European Physical Journal B, 2012, 85, 1.	0.6	50
159	High-field quantum disordered state in $\text{SrCo}_2\text{V}_2\text{O}_{10}$: Spin flips, bound states, and multiparticle continuum. Physical Review B, 2020, 101, .	1.1	50
160	Elastic properties of (KBr) _{1-x} (KCN) _x . Physical Review B, 1982, 26, 6875-6880.	1.1	49
161	Low-Frequency Shear Response of (KBr) _{1-x} (KCN) _x . Physical Review Letters, 1986, 57, 2544-2547.	2.9	49
162	Spinon confinement in the one-dimensional Ising-like antiferromagnet $\text{SrCo}_2\text{V}_2\text{O}_{10}$. Physical Review B, 2015, 91, .	1.1	49

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163	Johari-Goldstein Relaxation Far Below T_g : Experimental Evidence for the Gardner Transition in Structural Glasses?. Physical Review Letters, 2018, 120, 085705.	2.9	49
164	Magnetic, calorimetric, and transport properties of $\text{Ce}(\text{Pd}_{1-x}\text{Ni}_x)_2\text{Ge}_2$ and $\text{CeNi}_2(\text{Ge}_{1-y}\text{Si}_y)_2$. Physical Review B, 1999, 59, 12390-12397.	1.1	48
165	Phases and phase transitions of $(\text{NaCl})_{1-x}(\text{NaCN})_x$. European Physical Journal B, 1985, 61, 209-215.	0.6	47
166	Effect of Ce doping on structural, magnetic, and transport properties of SrMnO_3 perovskite. Physical Review B, 2004, 69, .	1.1	47
167	Magnetic ordering and spin excitations in the frustrated magnet MnSc_2S_4 . Physical Review B, 2006, 73, .	1.1	47
168	^7Li NMR studies on the triangular lattice system LiCrO_2 . Physical Review B, 2007, 76, .	1.1	47
169	Optical spectroscopy in CoO : Phononic, electric, and magnetic excitation spectrum within the charge-transfer gap. Physical Review B, 2008, 78, .	1.1	47
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