

Wolfgang Kleemann

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Diffuse phase transitions and random-field-induced domain states of the $\text{PbMg}_{1/3}\text{Nb}_2/3\text{O}_3$ relaxor ferroelectric. <i>Physical Review Letters</i> , 1992, 68, 847-850.	2.9	971
2	Supermagnetism. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 013001.	1.3	901
3	Magnetoelectric Switching of Exchange Bias. <i>Physical Review Letters</i> , 2005, 94, 117203.	2.9	417
4	RANDOM-FIELD INDUCED ANTIFERROMAGNETIC, FERROELECTRIC AND STRUCTURAL DOMAIN STATES. <i>International Journal of Modern Physics B</i> , 1993, 07, 2469-2507.	1.0	371
5	Large bulk polarization and regular domain structure in ceramic BiFeO_3 . <i>Applied Physics Letters</i> , 2007, 90, 172115.	1.5	225
6	The relaxor enigma Pb charge disorder and random fields in ferroelectrics. <i>Journal of Materials Science</i> , 2006, 41, 129-136.	1.7	213
7	Diffuse phase transition in $\text{BaTi}_{1-x}\text{Sn}_x\text{O}_3$ ceramics: An intermediate state between ferroelectric and relaxor behavior. <i>Journal of Applied Physics</i> , 2006, 99, 124111.	1.1	201
8	Interacting ferromagnetic nanoparticles in discontinuous $\text{Co}_{80}\text{Fe}_{20}/\text{Al}_2\text{O}_3$ multilayers: From superspin glass to reentrant superferromagnetism. <i>Physical Review B</i> , 2001, 63, .	1.1	187
9	Two-stage processes of electrically induced-ferroelectric to relaxor transition in $0.94(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3-0.06\text{BaTiO}_3$. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	182
10	Crystal structure and multiferroic properties of Gd-substituted BiFeO_3 . <i>Applied Physics Letters</i> , 2008, 93, .	1.5	172
11	Cluster and domain-state dynamics of ferroelectric $\text{Sr}_{1-x}\text{Ca}_x\text{TiO}_3$ ($x=0.007$). <i>Physical Review B</i> , 1995, 51, 8737-8746.	1.1	166
12	Magnetoelectric exchange bias systems in spintronics. <i>Applied Physics Letters</i> , 2006, 89, 202508.	1.5	163
13	Doping strategies for increased performance in BiFeO_3 . <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1692-1698.	1.0	161
14	Crystal optical studies of spontaneous and precursor polarization in KNbO_3 . <i>Physical Review B</i> , 1984, 30, 1148-1154.	1.1	156
15	Coexistence of Antiferromagnetic and Spin Cluster Glass Order in the Magnetoelectric Relaxor Multiferroic $\text{Pb}_{0.5}\text{Fe}_{0.5}\text{Nb}_3\text{O}_{10}$. <i>Physical Review Letters</i> , 2010, 105, 257202.	1.5	156
16	Collective states of interacting ferromagnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, 192-197.	1.0	155
17	$(\text{Sr},\text{Mn})\text{TiO}_3$: A Magnetoelectric Multiglass. <i>Physical Review Letters</i> , 2008, 101, 165704.	2.9	151
18	Effect of Gd substitution on the crystal structure and multiferroic properties of BiFeO_3 . <i>Acta Materialia</i> , 2009, 57, 5137-5145.	3.8	144

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19	Overcoming the Dipolar Disorder in Dense CoFe Nanoparticle Ensembles: Superferromagnetism. Physical Review Letters, 2007, 98, .	2.9	143
20	Superparamagnetism versus superspin glass behavior in dilute magnetic nanoparticle systems. Physical Review B, 2005, 72, .	1.1	131
21	Ferroelectric nanodomains in the uniaxial relaxor system $\text{Sr}_{0.61}\text{Ba}_{0.39}\text{Nb}_2\text{O}_6:\text{Cex}^{3+}$. Physical Review B, 2001, 64, .	1.1	128
22	Electric in-plane polarization in multiferroic $\text{CoFe}_2\text{O}_4/\text{BaTiO}_3$ nanocomposite tuned by magnetic fields. Nature Communications, 2013, 4, 2051.	5.8	126
23	Nanopolar structure in $\text{Sr}_x\text{Ba}_{1-x}\text{Nb}_2\text{O}_6$. Physical Review Letters, 2007, 98, 111101.	1.1	123
24	Universal Domain Wall Dynamics in Disordered Ferroic Materials. Annual Review of Materials Research, 2007, 37, 415-448.	4.3	118
25	Uniaxial relaxor ferroelectrics: The ferroic random-field Ising model materialized at last. Europhysics Letters, 2002, 57, 14-19.	0.7	110
26	Cluster Glass and Domain State Properties of KTaO_3 . Europhysics Letters, 1987, 4, 239-245.	0.7	107
27	Aging and memory in a superspin glass. Physical Review B, 2003, 67, .	1.1	106
28	Relaxor ferroelectrics: Cluster glass ground state via random fields and random bonds. Physica Status Solidi (B): Basic Research, 2014, 251, 1993-2002.	0.7	106
29	RANDOM FIELDS IN RELAXOR FERROELECTRICS – A JUBILEE REVIEW. Journal of Advanced Dielectrics, 2012, 02, 1241001.	1.5	105
30	Phase transitions in. European Physical Journal B, 2000, 14, 633.	0.6	102
31	Large Electrocaloric Effect in Relaxor Ferroelectric and Antiferroelectric Lanthanum Doped Lead Zirconate Titanate Ceramics. Scientific Reports, 2017, 7, 45335.	1.6	98
32	Effect of Sm substitution on ferroelectric and magnetic properties of BiFeO_3 . Scripta Materialia, 2010, 62, 238-241.	2.6	95
33	Raman scattering of ferroelectric $\text{Sr}_{1-x}\text{Ca}_x\text{TiO}_3$, $x=0.007$. Journal of Physics Condensed Matter, 1994, 6, 1229-1238.	0.7	93
34	Large off-diagonal magnetoelectric coupling in the quantum paraelectric antiferromagnet EuTiO_3 . Physical Review B, 2010, 81, .	1.1	91
35	Freezing field dependence of the exchange bias in uniaxial Fe_2CoPt heterosystems with perpendicular anisotropy. Journal of Magnetism and Magnetic Materials, 2000, 217, 139-146.	1.0	90
36	Diffuse Ferroelectric Phase Transition and Long-Range Order of Dilute $\text{KTa}_{1-x}\text{Nb}_x\text{O}_3$. Physical Review Letters, 1985, 54, 2038-2041.	2.9	86

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37	Training of the exchange-bias effect in NiO-Fe heterostructures. <i>Physical Review B</i> , 2002, 66, .	1.1	80
38	Two-Dimensional Ising Model Criticality in a Three-Dimensional Uniaxial Relaxor Ferroelectric with Frozen Polar Nanoregions. <i>Physical Review Letters</i> , 2006, 97, 065702.	2.9	80
39	Domain Wall Relaxation, Creep, Sliding, and Switching in Superferromagnetic Discontinuous Co ₈₀ Fe ₂₀ /Al ₂ O ₃ Multilayers. <i>Physical Review Letters</i> , 2002, 89, 137203.	2.9	79
40	Bias-field effect on the temperature anomalies of dielectric permittivity in PbMg _{1-x} Nb _{2-x} 3O ₃ ~PbTiO ₃ single crystals. <i>Physical Review B</i> , 2005, 72, .	1.1	76
41	Influence of pinning effects on the ferroelectric hysteresis in cerium-doped Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ . <i>Physical Review B</i> , 2001, 63, .	1.1	75
42	Superspin-glass nature of discontinuous Co ₈₀ Fe ₂₀ /Al ₂ O ₃ multilayers. <i>Physical Review B</i> , 2002, 65, .	1.1	75
43	Crossover from ferroelectric to relaxor behavior in BaTi _{1-x} Zr _x O ₃ solid solutions. <i>Phase Transitions</i> , 2008, 81, 1013-1021.	0.6	74
44	Electrically controlled exchange bias for spintronic applications. <i>Journal of Applied Physics</i> , 2005, 97, 10C514.	1.1	73
45	Anionische Silberzentren (B-Zentren) in Alkalihalogeniden. <i>Zeitschrift für Physik A</i> , 1968, 214, 285-320. 0.9	0.9	71
46	Phase transitions in Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ :Ce ³⁺ . I. Susceptibility of clusters and domains. <i>European Physical Journal B</i> , 2000, 14, 627-632.	0.6	71
47	The Dielectric Relaxation in Solid Solutions BaTi _{1-x} Zr _x O ₃ . <i>Ferroelectrics</i> , 2009, 379, 77-85.	0.3	70
48	Superconducting quantum interference device setup for magnetoelectric measurements. <i>Review of Scientific Instruments</i> , 2007, 78, 106105.	0.6	68
49	Cooperative versus superparamagnetic behavior of dense magnetic nanoparticles in Co ₈₀ Fe ₂₀ /Al ₂ O ₃ multilayers. <i>Applied Physics Letters</i> , 2003, 82, 4116-4118.	1.5	65
50	Exchange bias in a generalized Meiklejohn-Bean approach. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 234, 353-358.	1.0	63
51	Cluster and domain-wall dynamics of ferroelectric Sr _{1-x} Ca _x TiO ₃ . <i>Physical Review B</i> , 1989, 40, 7428-7431.	1.1	61
52	Optical detection of symmetry breaking on a nanoscale in SrTiO ₃ :Ca. <i>Ferroelectrics</i> , 1997, 203, 57-74.	0.3	61
53	Metastability of the uniform magnetization in three-dimensional random-field Ising model systems. <i>Physical Review B</i> , 1988, 38, 4773-4780.	1.1	60
54	Field-induced sharp ferroelectric phase transition in K _{0.937} Li _{0.063} TaO ₃ . <i>Physical Review Letters</i> , 1989, 62, 1896-1899.	2.9	57

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55	Susceptibility scaling behavior of quantum paraelectric SrTiO ₃ :Ca. Physical Review B, 1998, 58, 8985-8990.	1.1	57
56	Creep and Relaxation Dynamics of Domain Walls in Periodically Poled KTiOPO ₄ . Physical Review Letters, 2005, 94, 117601.	2.9	56
57	Crossover from ferroelectric to relaxor and cluster glass in BaTi _{1-x} Zr _x O ₃ (0.25 ≤ x ≤ 0.35) studied by non-linear permittivity. Applied Physics Letters, 2013, 102, .	1.5	55
58	Spin-lattice coupling in multiferroic Pb(Fe _{1/2} Nb _{1/2})O ₃ thin films. Applied Physics Letters, 2009, 94, .	1.5	54
59	Ferroelectric domain structures of PbTiO ₃ studied by scanning force microscopy. Journal Physics D: Applied Physics, 2000, 33, 1932-1936.	1.3	52
60	Polarization-Based Adjustable Memory Behavior in Relaxor Ferroelectrics. Physical Review Letters, 2002, 89, 127601.	2.9	51
61	Crystal optical studies of precursor and spontaneous polarization in PbTiO ₃ . Physical Review B, 1986, 34, 7873-7879.	1.1	50
62	Relaxation and aging of a superferromagnetic domain state. Physical Review B, 2003, 68, .	1.1	50
63	Non-Debye domain-wall-induced dielectric response in Sr _{0.61-x} Ce _x Ba _{0.39} Nb ₂ O ₆ . Physical Review B, 2002, 65, .	1.1	49
64	Critical behavior of the magnetization of a d=3 random-field Ising system. Physical Review B, 1986, 34, 479-482.	1.1	48
65	From barrett to generalized quantum Curie-Weiss law. Solid State Communications, 1998, 106, 695-699.	0.9	47
66	Critical behavior and metastability of the magnetization in the random-field Ising system Fe _{0.7} Mg _{0.3} Cl ₂ . Physical Review B, 1987, 35, 8696-8700.	1.1	46
67	Phase transitions and relaxor properties of doped quantum paraelectrics. Journal of Physics and Chemistry of Solids, 2000, 61, 167-176.	1.9	45
68	Magnetoelectric spintronics. Journal of Applied Physics, 2013, 114, .	1.1	45
69	Absorption of colloidal silver in KCl. Zeitschrift für Physik A, 1968, 215, 113-120.	0.9	44
70	Metastability of the uniform magnetization in three-dimensional random-field Ising model systems. I. Fe _{0.7} Mg _{0.3} Cl ₂ . Physical Review B, 1988, 38, 4765-4772.	1.1	44
71	Strain-induced quadrupolar ordering of dipole-glass-like K _{1-x} Li _x TaO ₃ . Physical Review B, 1988, 37, 5856-5859.	1.1	44
72	Modes of Periodic Domain Wall Motion in Ultrathin Ferromagnetic Layers. Physical Review Letters, 2007, 99, 097203.	2.9	44

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73	Computer-controlled susceptometer for investigating the linear and nonlinear dielectric response. Review of Scientific Instruments, 2007, 78, 033902.	0.6	44
74	Multiglass order and magnetoelectricity in Mn ²⁺ doped incipient ferroelectrics. European Physical Journal B, 2009, 71, 407-410.	0.6	44
75	Structural, ferroelectric and magnetic properties of Bi _{0.85} Sm _{0.15} FeO ₃ perovskite. Crystal Research and Technology, 2011, 46, 238-242.	0.6	43
76	Magnetic Nanoparticles: A Subject for Both Fundamental Research and Applications. Journal of Nanomaterials, 2013, 2013, 1-22.	1.5	43
77	Study on surface and domain structures of PbTiO ₃ crystals by atomic force microscopy. Journal of Applied Physics, 1998, 84, 6795-6799.	1.1	42
78	Supermagnetism. Handbook of Magnetic Materials, 2015, , 1-83.	0.6	42
79	Multiferroic Clusters: A New Perspective for Relaxor-type Room-temperature Multiferroics. Advanced Functional Materials, 2016, 26, 2111-2121.	7.8	42
80	Glass-like Interacting Off-Centre Ca ⁺⁺ Dipoles as Probes of the Coherent Quantum State in SrTiO ₃ . Europhysics Letters, 1995, 29, 31-36.	0.7	41
81	Models for the magnetic ac susceptibility of granular superferromagnetic CoFe ₂ Al ₂ O ₃ . Physical Review B, 2004, 70, .	1.1	41
82	Switching magnetism with electric fields. Physics Magazine, 2009, 2, .	0.1	41
83	Random-field Ising-type transition of pure and doped SBN from the relaxor into the ferroelectric state. Europhysics Letters, 2001, 55, 781-787.	0.7	40
84	Universal and scaled relaxation of interacting magnetic nanoparticles. Physical Review B, 2004, 70, .	1.1	40
85	Dynamic phase transitions in ferroic systems with pinned domain walls. Phase Transitions, 2005, 78, 811-816.	0.6	40
86	Crystal structure and magnetic properties of Bi _{0.8} (Gd _{1-x} Ba _x) _{0.2} FeO ₃ (x= 0, 0.5, 1) multiferroics. Journal Physics D: Applied Physics, 2009, 42, 045418.	1.3	40
87	Optical transitions of Ag ⁺ centers in alkali halides. European Physical Journal A, 1970, 234, 362-378.	1.0	39
88	Exciton and magnon-sideband absorption in the pyroelectric antiferromagnet BaMnF ₄ . Physical Review B, 1983, 27, 3762-3779.	1.1	39
89	Ferroelectric Domains in Sr _x Ba _{1-x} Nb ₂ O ₆ Single Crystals (0.4 ≤ x ≤ 0.75). Ferroelectrics, 2008, 376, 1-8.	0.3	39
90	Dynamic behavior of polar nanodomains in PbMg _{1/3} Nb _{2/3} O ₃ . Ferroelectrics, 1997, 199, 1-10.	0.3	38

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91	Dipolar freezing of glassy $K_{1-x}Li_xTaO_3$, $x = 0.011$. <i>Ferroelectrics</i> , 1991, 124, 237-242.	0.3	36
92	Calibration of polar Kerr rotation and ellipticity measurements. <i>Measurement Science and Technology</i> , 1993, 4, 1275-1280.	1.4	36
93	Athermal magnetization avalanches and domain states in the site-diluted metamagnet $FexMg_{1-x}Cl_2$. <i>Physical Review B</i> , 1996, 53, 11647-11655.	1.1	36
94	High-precision refractive index measurements revealing order parameter fluctuations in $KMnF_3$ and NiO . <i>Journal of Applied Physics</i> , 1985, 57, 2606-2612.	1.1	35
95	Domain state properties of the random-field xy -model system $Sr_{1-x}Ca_xTiO_3$. <i>Ferroelectrics</i> , 1988, 80, 297-300.	0.3	35
96	Dynamic Light Scattering at Domains and Nanoclusters in a Relaxor Ferroelectric. <i>Physical Review Letters</i> , 2001, 86, 6014-6017.	2.9	35
97	Change from 3D-Ising to Random Field-Ising-Model Criticality in a Uniaxial Relaxor Ferroelectric. <i>Physical Review Letters</i> , 2004, 92, 065701.	2.9	35
98	Optical properties and ferromagnetic order in K_2CuF_4 . <i>Journal De Physique</i> , 1975, 36, 1293-1304.	1.8	34
99	Dissipative quantum tunneling and absence of quadrupolar freezing in glassy $K_{0.989}Li_{0.011}TaO_3$. <i>Physical Review Letters</i> , 1991, 66, 762-765.	2.9	34
100	Fine structure of near infrared optical absorption in NiO . <i>Journal of Physics Condensed Matter</i> , 1994, 6, 8625-8631.	0.7	34
101	Relaxational dynamics of polar nanodomains in $Sr_{1-x}Ca_xTiO_3$, $x = 0.002$. <i>Europhysics Letters</i> , 1997, 37, 145-150.	0.7	34
102	$(Sr,Mn)TiO_3$ a magnetoelectrically coupled multiglass. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 434216.	0.7	34
103	Multiferroic and magnetoelectric nanocomposites for data processing. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 223001.	1.3	34
104	Electron-lattice interaction of Ag^+ and Cu^+ centers in alkali halides. <i>Zeitschrift für Physik A</i> , 1971, 249, 145-167.	0.9	33
105	Evolution of the Polar Structure in Relaxor Ferroelectrics Close to the Curie Temperature Studied by Piezoresponse Force Microscopy. <i>Ferroelectrics</i> , 2008, 373, 77-85.	0.3	33
106	Magnetization and perpendicular anisotropy in Tb/Fe multilayer films. <i>Physical Review B</i> , 1991, 44, 5132-5136.	1.1	32
107	Photorefractive properties of Cr-doped $Sr_{0.61}Ba_{0.39}Nb_2O_6$ related to crystal purity and doping concentration. <i>Applied Physics B: Lasers and Optics</i> , 2001, 72, 661-666.	1.1	32
108	Extrinsic control of the exchange bias. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 325-326.	1.0	32

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109	Linear birefringence and double-exciton absorption studies at magnetic and structural phase transitions in BaMnF ₄ . Journal of Physics C: Solid State Physics, 1983, 16, 3987-4002.	1.5	31
110	Superferromagnetic domain state of a discontinuous metal insulator multilayer. Physical Review B, 2005, 72, .	1.1	31
111	Magneto-optical studies on ferromagnetic stripe domains in K ₂ CuF ₄ . Journal of Magnetism and Magnetic Materials, 1980, 21, 143-156.	1.0	30
112	Transient spin structures at the antiferro-to-paramagnetic phase boundary of FeBr ₂ . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1557-1558.	1.0	30
113	Scaling behaviour of strontium titanate. Journal of Physics Condensed Matter, 1999, 11, L379-L384.	0.7	30
114	Relaxation of the excess magnetization of random-field-induced metastable domains in Fe _{0.47} Zn _{0.53} F ₂ . Physical Review B, 1992, 45, 9728-9735.	1.1	29
115	Impurity-induced phase transition in quantum paraelectrics. Physical Review B, 1998, 57, 13343-13346.	1.1	29
116	Temperature dependent determination of the linear electrooptic coefficient r ₃₃ in Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ single crystals by means of light-induced scattering. Optics Communications, 2003, 218, 173-182.	1.0	29
117	Nonlinear and scaling properties of the dielectric response of SrTi ₁₈ O ₃ in the quantum paraelectric regime. Physical Review B, 2005, 71, .	1.1	29
118	Evidence of random electric fields in the relaxor-ferroelectric Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ . Europhysics Letters, 2002, 57, 597-603.	0.7	28
119	Nonlinear Dielectric Properties of PMN Relaxor Crystals within Landau-Ginzburg-Devonshire Approximation. Ferroelectrics, 2008, 363, 141-149.	0.3	28
120	Quantum paraelectricity in the mean-field approximation. Physical Review B, 1999, 60, 14489-14491.	1.1	27
121	Cole-Cole Analysis of the Superspin Glass System Co ₈₀ Fe ₂₀ /Al ₂ O ₃ . Phase Transitions, 2003, 76, 367-375.	0.6	27
122	Probing polar nanoregions in Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ via second-harmonic dielectric response. Physical Review B, 2003, 68, .	1.1	27
123	Dynamics of nanoscale polar regions and critical behavior of the uniaxial relaxor Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ :Co. Physical Review B, 2005, 72, .	1.1	27
124	Domainlike precursor clusters in the paraelectric phase of the uniaxial relaxor Sr _{0.61} Ba _{0.39} Nb ₂ O ₆ . Applied Physics Letters, 2006, 89, 212901.	1.5	27
125	Aging, rejuvenation, and memory effects in the domain state of Sr _{0.75} Ba _{0.25} Nb ₂ O ₆ . Phase Transitions, 2007, 80, 131-140.	0.6	27
126	Study of Ni ²⁺ /Mn ²⁺ /Ga phase formation by magnetron sputtering film deposition at low temperature onto Si substrates and LaNiO ₃ ·Pb(Ti,Zr)O ₃ buffer. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 6-10.	0.9	27

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127	Non-linear permittivity study of the crossover from ferroelectric to relaxor and cluster glass in BaTi $1-x$ Sn x O 3 ($x=0.175\text{--}0.30$). Applied Physics Letters, 2014, 104, .	1.5	27
128	Birefringence study of the $\hat{I}_\pm\text{--}\hat{I}_\pm^2$ transformation of berlinite, AlPO $_4$. Journal of Physics C: Solid State Physics, 1984, 17, 1375-1383.	1.5	26
129	Dielectric dispersion of the dipolar glass K $_{0.989}$ Li $_{0.011}$ TaO $_3$. Ferroelectrics, 1992, 135, 333-341.	0.3	26
130	Critical concentrations in Ba-doped incipient ferroelectric SrTiO $_3$. Physics of the Solid State, 1997, 39, 618-624.	0.2	26
131	Universal Domain Wall Dynamics in Ferroelectrics and Relaxors. Ferroelectrics, 2006, 334, 3-10.	0.3	26
132	Crystal structure and its correlation to intrinsic and extrinsic magnetic properties of epitaxial hard magnetic Pr-Co films. Physical Review B, 2007, 75, .	1.1	26
133	ENHANCED MAGNETIZATION IN BiFeO $_3$ /BaTiO $_3$ MULTILAYERS: AN INTERFACE EFFECT?. Integrated Ferroelectrics, 2008, 100, 165-176.	0.3	25
134	Exchange bias and ferromagnetic coercivity in heterostructures with antiferromagnetic Cr 2 O $_3$. Journal of Applied Physics, 2011, 110, .	1.1	25
135	Linear Magnetic Birefringence and Near Infrared Absorption of K $_2$ NiF $_4$. Physica Status Solidi (B): Basic Research, 1974, 66, 747-757.	0.7	24
136	Crossover from logarithmically relaxing to piezomagnetically frozen magnetic remanence in low-field-cooled Fe $_{0.47}$ Zn $_{0.53}$ F $_2$. Physical Review B, 1994, 49, 6346-6349.	1.1	24
137	Atomic force microscopy of domains and volume holograms in Sr $_{0.61}$ Ba $_{0.39}$ Nb 2 O 6 :Ce $^{3+}$. Physical Review B, 2000, 61, 3333-3336.	1.1	24
138	Second-harmonic study of polar symmetry and domain structure in SrTi 18 O 3 . Applied Physics Letters, 2002, 81, 3022-3024.	1.5	24
139	Magnetic and polar phases and dynamical clustering in multiferroic layered solid solutions CuCr $_{1-x}$ Mn $_x$ Fe $_2$ O $_7$ (0 x ≤ 1). Physical Review B, 2013, 88, 014408.		
140	Multiferroic and Magnetoelectric Materials. Springer Tracts in Modern Physics, 2013, , 163-187.	0.1	23
141	Optical properties and spin dynamics of ferromagnetic K 2 CuF $_4$. Journal De Physique (Paris), Lettres, 1974, 35, 135-137.	2.8	23
142	Domain state properties of weakly doped SrTiO $_3$:Ca. Phase Transitions, 1995, 55, 57-68.	0.6	22
143	Influence of interfaces on the perpendicular magnetic anisotropy in Tb/Fe multilayers. Physical Review B, 1998, 58, 6346-6352.	1.1	22
144	A study of the quantum effect in BaTiO $_3$. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 276, 162-166.	0.9	22

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145	^{93}Nb NMR of the random-field-dominated relaxor transition in pure and doped SBN. <i>Physical Review B</i> , 2001, 64, .	1.1	22
146	Perpendicular exchange bias and its control by magnetic, stress and electric fields. <i>European Physical Journal B</i> , 2005, 45, 197-201.	0.6	22
147	Ferroc superglasses: Polar nanoregions in relaxor ferroelectric PMN versus CoFe superspins in a discontinuous multilayer. <i>Physical Review B</i> , 2016, 94, .	1.1	22
148	Optical second-harmonic generation at interfaces of ferroelectric nanoregions in $\text{SrSiO}_3\text{:Ca}$. <i>Physical Review B</i> , 1996, 53, 5222-5230.	1.1	21
149	Nonlinear susceptibility and phase transition in SrTi_2O_7 . <i>Physical Review B</i> , 2003, 67, .	1.1	21
150	MAGNETOELECTRIC Cr_2O_3 FOR SPINTRONIC APPLICATIONS. <i>Integrated Ferroelectrics</i> , 2008, 99, 69-76.	0.3	21
151	The cluster glass route of relaxor ferroelectrics. <i>Phase Transitions</i> , 2015, 88, 234-244.	0.6	21
152	Optical investigations on magnetic and structural phase transitions of $(\text{CH}_3\text{NH}_3)_2\text{CuCl}_4$ and $(\text{C}_2\text{H}_5\text{NH}_3)_2\text{CuCl}_4$. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1977, 89, 165-176.	0.9	20
153	Photoinduced phenomena in $\text{Sr}_{1-x}\text{Ca}_x\text{TiO}_3$, $0 \leq x \leq 0.12$. <i>Ferroelectrics</i> , 1996, 183, 255-264.	0.3	20
154	Dielectric properties of doped quantum paraelectrics. <i>Europhysics Letters</i> , 1998, 42, 173-178.	0.7	20
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