

Peter Lunkenheimer

List of Publications by Year in descending order

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259
papers

13,951
citations

22548

61
h-index

27587

110
g-index

268
all docs

268
docs citations

268
times ranked

10583
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamically disordered hydrogen bonds in the hureaulite-type phosphatic oxyhydroxide Mn ₅ [(PO ₄) ₂ (PO ₃ (OH)) ₂](HOH) ₄ . Journal of Chemical Physics, 2022, 156, 094502.	1.2	0
2	Single-particle and collective excitations of polar water molecules confined in nano-pores within a cordierite crystal lattice. Physical Chemistry Chemical Physics, 2022, 24, 6890-6904.	1.3	8
3	Arriving at the most plausible interpretation of the dielectric spectra of glycerol with help from quasielastic μ -ray scattering time-domain interferometry. Physical Review E, 2022, 105, .	0.8	2
4	Relaxor ferroelectricity in the polar M2P-TCNQ charge-transfer crystal at the neutral-ionic interface. Physical Review B, 2021, 103, .	1.1	3
5	Translational and reorientational dynamics in deep eutectic solvents. Journal of Chemical Physics, 2021, 154, 154501.	1.2	27
6	Cooperative Cluster Jahn-Teller Effect as a Possible Route to Antiferroelectricity. Physical Review Letters, 2021, 126, 187601.	2.9	12
7	6 Ferroelectric polarization in multiferroics. , 2021, , 159-192.		0
8	Giant conductivity of mobile non-oxide domain walls. Nature Communications, 2021, 12, 3975.	5.8	14
9	Lithium-salt-based deep eutectic solvents: Importance of glass formation and rotation-translation coupling for the ionic charge transport. Journal of Chemical Physics, 2021, 155, 044503.	1.2	8
10	On the proximate Kitaev quantum-spin liquid $\hat{\mu}$ -RuCl ₃ : thermodynamics, excitations and continua. Journal of Physics Condensed Matter, 2021, 33, 443004.	0.7	6
11	Nanostructured multiferroic Pb(Zr,Ti)O ₃ â€“NiFe ₂ O ₄ thin-film composites. Thin Solid Films, 2021, 732, 138740.	0.8	1
12	Lead-substituted barium hexaferrite for tunable terahertz optoelectronics. NPG Asia Materials, 2021, 13, .	3.8	7
13	On the complexity of spinels: Magnetic, electronic, and polar ground states. Physics Reports, 2021, 926, 1-86.	10.3	66
14	Spin liquid and ferroelectricity close to a quantum critical point in PbCuTe ₂ O ₆ . Npj Quantum Materials, 2021, 6, .	1.8	6
15	Tetramethylbenzidineâ€“TetrafluoroTCNQ (TMBâ€“TCNQF ₄): A Narrow-Gap Semiconducting Salt with Room-Temperature Relaxor Ferroelectric Behavior. Journal of Physical Chemistry C, 2021, 125, 25816-25824.	1.5	2
16	Predicting the $\hat{\mu}$ -relaxation time of glycerol confined in 1.16 nm pores of zeolitic imidazolate frameworks. Physical Chemistry Chemical Physics, 2020, 22, 507-511.	1.3	13
17	Universal correlations between the fragility and interparticle repulsion of glass-forming liquids. Journal of Chemical Physics, 2020, 153, 124507.	1.2	14
18	Ionic conductivity and relaxation dynamics in plastic crystals with nearly globular molecules. Journal of Chemical Physics, 2020, 153, 014502.	1.2	6

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19	Macroscopic manifestation of domain-wall magnetism and magnetoelectric effect in a Néel-type skyrmion host. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	20
20	Supercooled water confined in a metal-organic framework. <i>Communications Physics</i> , 2020, 3, .	2.0	11
21	Dielectric ordering of water molecules arranged in a dipolar lattice. <i>Nature Communications</i> , 2020, 11, 3927.	5.8	33
22	Quantum paraelectricity in the Kitaev quantum spin liquid candidates H ₃ Lir ₂ O ₆ and D ₃ Lir ₂ O ₆ . <i>Physical Review B</i> , 2020, 101, .	1.1	17
23	Charge transport by global protonic conductivity and relaxational dynamics over hydrogen bonds in Fe ₂ +Fe ₃ +3.2(Mn ₂₊ ,Zn) _{0.8} (PO ₄) ₃ (OH) _{4.2} (HOH) _{0.8} . <i>Solid State Ionics</i> , 2020, 347, 115240.	1.3	4
24	Broad-Band Spectroscopy of Nanoconfined Water Molecules. <i>IFMBE Proceedings</i> , 2020, , 7-11.	0.2	0
25	Multiferroic spin-supercurrent and spin-supersolid phases in $MnCr_2S_4$. <i>Physical Review B</i> , 2019, 100, .	1.1	13
26	Plastic-crystalline solid-state electrolytes: Ionic conductivity and orientational dynamics in nitrile mixtures. <i>Journal of Chemical Physics</i> , 2019, 150, 244507.	1.2	13
27	Ferroelectric polarization in multiferroics. <i>Physical Sciences Reviews</i> , 2019, 4, .	0.8	5
28	Hertz-to-terahertz dielectric response of nanoconfined water molecules. , 2019, , .		0
29	Terahertz excitations in $RuCl_3$: Majorana fermions and rigid-plane shear and compression modes. <i>Physical Review B</i> , 2019, 100, .	1.1	16
30	Chirality-driven ferroelectricity in LiCuVO ₄ . <i>Npj Quantum Materials</i> , 2019, 4, .	1.8	20
31	Low-Frequency Charge Carrier Dynamics in Ferroelectric $BEDT-TTF$ $X_2Cu[N(CN)_2Cl]$ and $Hg(SCN)_2Cl$. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800746.	0.7	4
32	Ionic conductivity of deep eutectic solvents: the role of orientational dynamics and glassy freezing. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6801-6809.	1.3	58
33	Third and fifth harmonic responses in viscous liquids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 124003.	0.9	3
34	Glycerol confined in zeolitic imidazolate frameworks: The temperature-dependent cooperativity length scale of glassy freezing. <i>Journal of Chemical Physics</i> , 2019, 150, 024504.	1.2	24
35	Johari-Goldstein relaxation in glass electrets. <i>Physical Review Materials</i> , 2019, 3, .	0.9	1
36	Johari-Goldstein Relaxation Far Below T_g : Experimental Evidence for the Gardner Transition in Structural Glasses?. <i>Physical Review Letters</i> , 2018, 120, 085705.	2.9	49

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37	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
38	Unusual dielectric response of 4-methyl-1,3-dioxolane derivatives. Physical Chemistry Chemical Physics, 2018, 20, 28211-28222.	1.3	13
39	Importance of reorientational dynamics for the charge transport in ionic liquids. Physical Review E, 2018, 98, .	0.8	26
40	Orbital-order driven ferroelectricity and dipolar relaxation dynamics in multiferroic GaMn_4S_8 . Physical Review B, 2018, 98, .	1.1	19
41	Architecture of nanoscale ferroelectric domains in GaMo_4S_8 . Journal of Physics Condensed Matter, 2018, 30, 445402.	0.7	17
42	Relaxation dynamics in the one-dimensional organic charge-transfer salt YMnO_3 . Physical Review B, 2018, 97, .		
43	Nonlinear Dielectric Response of Plastic Crystals. Advances in Dielectrics, 2018, , 277-300.	1.2	1
44	Glassy Dynamics: From Millihertz to Terahertz. Advances in Dielectrics, 2018, , 23-59.	1.2	9
45	Fast dynamics in glass-forming salol investigated by dielectric spectroscopy. Journal of Non-Crystalline Solids, 2018, 492, 63-67.	1.5	3
46	Ion Dynamics in Ionic-Liquid-Based Li-Ion Electrolytes Investigated by Neutron Scattering and Dielectric Spectroscopy. ChemSusChem, 2018, 11, 3512-3523.	3.6	22
47	Evidence for Electronically Driven Ferroelectricity in a Strongly Correlated Dimerized BEDT-TTF Molecular Conductor. Physical Review Letters, 2018, 120, 247601.	2.9	30
48	Third and Fifth Harmonic Responses in Viscous Liquids. Advances in Dielectrics, 2018, , 219-260.	1.2	2
49	Conductivity Contrast and Tunneling Charge Transport in the Vortexlike Ferroelectric Domain Patterns of Multiferroic Hexagonal YMnO_3 . Physical Review Letters, 2017, 118, 036803.	2.9	36
50	Investigation of nonlinear effects in glassy matter using dielectric methods. European Physical Journal: Special Topics, 2017, 226, 3157-3183.	1.2	20
51	Unifying different interpretations of the nonlinear response in glass-forming liquids. Physical Review E, 2017, 96, 032611.	0.8	12
52	Optical conductivity in multiferroic GaV_4S_8 and GeV_4S_8 : Excitations and relaxation dynamics in multiferroic GaV_4S_8 . Physical Review B, 2017, 96, .	1.1	16
53	Phonon excitations and relaxation dynamics in multiferroic GaV_4S_8 . Physical Review B, 2017, 96, .	1.1	8
54	Polar and magnetic order in GaV_4S_8 . Physical Review B, 2017, 96, .	1.1	29

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55	Primary $\hat{1}\pm$ and secondary $\hat{1}^2$ relaxation dynamics of meta-toluidine in the liquid state investigated by broadband dielectric spectroscopy. Journal of Chemical Physics, 2017, 147, 084506.	1.2	4
56	Variation of ionic conductivity in a plastic-crystalline mixture. Journal of Chemical Physics, 2017, 147, 104502.	1.2	5
57	Electromagnetic-radiation absorption by water. Physical Review E, 2017, 96, 062607.	0.8	65
58	Conflicting evidence for ferroelectricity. Nature, 2017, 547, E9-E10.	13.7	10
59	On the multiferroic skyrmion-host GaV_4S_8 . Philosophical Magazine, 2017, 97, 3428-3445.	0.7	40
60	Molecular probe dynamics and free volume in organic glass-formers and their relationships to structural relaxation: 1-propanol. Journal of Physics Condensed Matter, 2016, 28, 015101.	0.7	13
61	Effect of adding nanometre-sized heterogeneities on the structural dynamics and the excess wing of a molecular glass former. Scientific Reports, 2016, 6, 35034.	1.6	10
62	Structural, magnetic, electric, dielectric, and thermodynamic properties of multiferroic $\text{Ge}_4\text{V}_8\text{S}_8$. Physical Review B, 2016, 94, .	1.1	15
63	Impact of water on the charge transport of a glass-forming ionic liquid. Journal of Molecular Liquids, 2016, 223, 635-642.	2.3	16
64	Nonlinear dielectric spectroscopy in a fragile plastic crystal. Journal of Chemical Physics, 2016, 144, 114506.	1.2	23
65	Fifth-order susceptibility unveils growth of thermodynamic amorphous order in glass-formers. Science, 2016, 352, 1308-1311.	6.0	164
66	Crystal structure, incommensurate magnetic order, and ferroelectricity in $\text{Mn}_2\text{V}_2\text{S}_8$.		

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73	Multiferroicity and skyrmions carrying electric polarization in GaV_4S_8 . Science Advances, 2015, 1, e1500916.	4.7	136
74	Excess wing in glass-forming glycerol and LiCl-glycerol mixtures detected by neutron scattering. European Physical Journal E, 2015, 38, 1.	0.7	61
75	Cooperativity and Heterogeneity in Plastic Crystals Studied by Nonlinear Dielectric Spectroscopy. Physical Review Letters, 2015, 114, 067601.	2.9	29
76	Spin-orbiton and quantum criticality in FeSc_2S_4 . Physical Review B, 2015, 91, .	1.1	22
77	Communication: Conductivity enhancement in plastic-crystalline solid-state electrolytes. Journal of Chemical Physics, 2015, 143, 081101.	1.2	31
78	Dielectric spectroscopy on organic charge-transfer salts. Journal of Physics Condensed Matter, 2015, 27, 373001.	0.7	36
79	Nonlinear dielectric response of Debye, $\hat{\tau}_1$, and $\hat{\tau}_2$ relaxation in 1-propanol. Journal of Non-Crystalline Solids, 2015, 407, 66-71.	1.5	20
80	Dielectric Characterization of a Nonlinear Optical Material. Scientific Reports, 2015, 4, 6020.	1.6	12
81	Supercooled-liquid and plastic-crystalline state in succinonitrile-glutaronitrile mixtures. Journal of Chemical Physics, 2014, 140, 094504.	1.2	27
82	Liquid 1-propanol studied by neutron scattering, near-infrared, and dielectric spectroscopy. Journal of Chemical Physics, 2014, 140, 124501.	1.2	68
83	Low temperature dielectric relaxation study of aqueous solutions of diethylsulfoxide. European Physical Journal Plus, 2014, 129, 1.	1.2	10
84	Dielectric Relaxation Processes, Electronic Structure, and Band Gap Engineering of Metal-Organic Frameworks: Towards a Rational Design of Semiconducting Microporous Materials. Advanced Functional Materials, 2014, 24, 3885-3896.	7.8	95
85	Dielectric properties and electrical switching behaviour of the spin-driven multiferroic LiCuVO_4 . Journal of Physics Condensed Matter, 2014, 26, 485901.	0.7	11
86	Multiferroicity in the Mott Insulating Charge-Transfer Salt $\kappa\text{-BEDT-TTF}_2\text{CuN(CN)}_2\text{Cl}$. IEEE Transactions on Magnetics, 2014, 50, 1-7.	1.2	12
87	Li^+ Transport in Poly(Ethylene Oxide) Based Electrolytes: Neutron Scattering, Dielectric Spectroscopy, and Molecular Dynamics Simulations. Physical Review Letters, 2013, 111, 018301.	2.9	71
88	Cooperativity and the Freezing of Molecular Motion at the Glass Transition. Physical Review Letters, 2013, 111, 225702.	2.9	128
89	On the Derivation of Equilibrium Relaxation Times from Aging Experiments. Journal of Physical Chemistry B, 2013, 117, 12689-12694.	1.2	22
90	Magnetic-field induced multiferroicity in a quantum critical frustrated spin liquid. Physical Review B, 2013, 87, .	1.1	13

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91	Debye relaxation and 250 K anomaly in glass forming monohydroxy alcohols. Journal of Chemical Physics, 2013, 138, 094505.	1.2	59
92	Ions in glass-forming glycerol: Close correlation of primary and fast τ_1 relaxation. Physical Review E, 2013, 87, 062320.	0.8	7
93	Nonlinear Dielectric Response at the Excess Wing of Glass-Forming Liquids. Physical Review Letters, 2013, 110, 107603.	2.9	61
94	Broadband Dielectric Spectroscopy on Glass Forming Liquids. Progress of Theoretical Physics Supplement, 2013, 126, 123-131.	0.2	0
95	Absence of polar order in LuFe ₂ O ₄ . European Physical Journal B, 2012, 85, 1.	0.6	50
96	Multiferroicity in an organic charge-transfer salt that is suggestive of electric-dipole-driven magnetism. Nature Materials, 2012, 11, 755-758.	13.3	207
97	Relaxation dynamics of a protein solution investigated by dielectric spectroscopy. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 723-730.	1.1	95
98	Dielectric signature of charge order in lanthanum nickelates. European Physical Journal B, 2012, 85, 1.	0.6	13
99	Wüstite: electric, thermodynamic and optical properties of FeO. European Physical Journal B, 2012, 85, 1.	0.6	36
100	Hydrogen-Bond Equilibria and Lifetimes in a Monohydroxy Alcohol. Physical Review Letters, 2011, 107, 118304.	2.9	82
101	Broadband dielectric spectroscopy on human blood. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 727-740.	1.1	129
102	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
103	Positron annihilation and broadband dielectric spectroscopy: A series of propylene glycols. Journal of Non-Crystalline Solids, 2011, 357, 376-384.	1.5	17
104	The route to resource-efficient novel materials. Nature Materials, 2011, 10, 899-901.	13.3	190
105	Electrode polarization effects in broadband dielectric spectroscopy. European Physical Journal B, 2011, 83, 157-165.	0.6	124
106	Positron annihilation response and broadband dielectric spectroscopy: Salol. European Physical Journal E, 2011, 34, 104.	0.7	14
107	Kinetics of Conformational Sampling in Ubiquitin. Angewandte Chemie - International Edition, 2011, 50, 11437-11440.	7.2	59
108	Relaxor ferroelectricity and the freezing of short-range polar order in magnetite. Physical Review B, 2011, 83, .	1.1	46

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109	Detection of heterogeneities in single-crystal $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ using conductive atomic force microscopy. IOP Conference Series: Materials Science and Engineering, 2010, 8, 012018.	0.3	2
110	On the room temperature multiferroic BiFeO_3 : magnetic, dielectric and thermal properties. European Physical Journal B, 2010, 75, 451-460.	0.6	131
111	Magnetic susceptibility, phonons and dielectric constant of single crystalline BiFeO_3 . Journal of Physics: Conference Series, 2010, 200, 012106.	0.3	23
112	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
113	Pressure-induced change in the relaxation dynamics of glycerol. JETP Letters, 2010, 92, 479-483.	0.4	18
114	Glassy dynamics under superhigh pressure. Physical Review E, 2010, 81, 041503.	0.8	57
115	Colossal dielectric constants in $\text{La}_{15/8}\text{Sr}_{1/8}\text{NiO}_4$. IOP Conference Series: Materials Science and Engineering, 2010, 8, 012014.	0.3	6
116	Temperature development of glassy $\hat{\tau}$ -relaxation dynamics determined by broadband dielectric spectroscopy. Physical Review E, 2010, 81, 051504.	0.8	81
117	Relaxation dynamics and ionic conductivity in a fragile plastic crystal. Journal of Chemical Physics, 2010, 133, 144509.	1.2	67
118	Positron annihilation response and broadband dielectric spectroscopy: Propylene carbonate. Journal of Non-Crystalline Solids, 2010, 356, 794-799.	1.5	18
119	Glassy dynamics in mono-, di- and tri-propylene glycol: From the $\hat{\tau}$ - to the fast $\hat{\tau}^2$ -relaxation. Journal of Non-Crystalline Solids, 2010, 356, 529-534.	1.5	34
120	New Microscopic Mechanism for Secondary Relaxation in Glasses. Physical Review Letters, 2009, 103, 075701.	2.9	43
121	Dielectric spectroscopy on aqueous electrolytic solutions. Radiation and Environmental Biophysics, 2009, 48, 107-114.	0.6	51
122	Ternary magnetic semiconductors: recent developments in physics and technology. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1082-1089.	0.8	10
123	Correlations of structural, magnetic, and dielectric properties of undoped and doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. European Physical Journal B, 2009, 72, 173-182.	0.6	64
124	Colossal dielectric constants in transition-metal oxides. European Physical Journal: Special Topics, 2009, 180, 61-89.	1.2	359
125	Relaxations as Key to the Magnetocapacitive Effects in the Perovskite Manganites. Physical Review Letters, 2009, 102, 207208.	2.9	69
126	Colossal dielectric constant up to gigahertz at room temperature. Applied Physics Letters, 2009, 94, .	1.5	178

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127	Colossal magnetocapacitive effect in differently synthesized and doped CdCr ₂ S ₄ . Physica B: Condensed Matter, 2008, 403, 4224-4227.	1.3	24
128	Dielectric and conductivity relaxation in mixtures of glycerol with LiCl. European Physical Journal E, 2008, 27, 115-22.	0.7	36
129	Residual dipolar couplings as a tool to study molecular recognition of ubiquitin. Biochemical Society Transactions, 2008, 36, 1433-1437.	1.6	36
130	Colossal dielectric constants in single-crystalline and ceramic CaCu ₃ Ti ₄ O ₁₂ investigated by broadband dielectric spectroscopy. Journal of Applied Physics, 2008, 103, .	1.1	189
131	Optical spectroscopy in CoO: Phononic, electric, and magnetic excitation spectrum within the charge-transfer gap. Physical Review B, 2008, 78, .	1.1	47
132	Bananas go paraelectric. Journal of Physics Condensed Matter, 2008, 20, 191001.	0.7	36
133	Thermal hysteresis in the dielectric response of the charge density wave system α -TaS ₃ . Journal of Physics Condensed Matter, 2008, 20, 445231.	0.7	1
134	Switching the ferroelectric polarization in the cuprate LiCu_2O . Physical Review B, 2008, 77, .	1.1	105
135	Broadband dielectric response of $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. Physical Review B, 2007, 76, 030502.	0.8	47
136	Broadband dielectric spectroscopy and aging of glass formers. Journal of Non-Crystalline Solids, 2007, 353, 3862-3870.	1.1	47
137	Dielectric spectroscopy in benzophenone. Physical Review B, 2008, 77, .	0.8	30
138	Broadband dielectric spectroscopy on single-crystalline and ceramic CaCu ₃ Ti ₄ O ₁₂ . Applied Physics Letters, 2007, 91, 022910.	1.5	130
139	Structural changes across the glass-transition in a glassy-crystal. Journal of Non-Crystalline Solids, 2007, 353, 999-1001.	1.5	5
140	Broadband dielectric spectroscopy and aging of glass formers. Journal of Non-Crystalline Solids, 2007, 353, 3862-3870.	1.5	29
141	Multiferroic phases of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. Physical Review B, 2007, 75, .	1.1	174
142	Is CdCr ₂ S ₄ a multiferroic relaxor? (reply). Nature, 2007, 448, E5-E6.	13.7	22
143	Experimental evidence for competition between antiferromagnetic and ferromagnetic correlations in HgCr ₂ S ₄ . Physical Review B, 2006, 73, .	1.1	40
144	Multiferroicity and colossal magneto-capacitance in Cr-thiospinels. Phase Transitions, 2006, 79, 1065-1082.	0.6	33

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145	Giant Dielectric Response in the One-Dimensional Charge-Ordered Semiconductor(NbSe ₄) ₃ I. Physical Review Letters, 2006, 96, 046402.	2.9	24
146	Colossal Magnetocapacitance and Colossal Magnetoresistance inHgCr ₂ S ₄ . Physical Review Letters, 2006, 96, 157202.	2.9	140
147	High-frequency excitations in glassy crystals. Journal of Non-Crystalline Solids, 2006, 352, 4556-4561.	1.5	30
148	Dielectric spectroscopy on aging glasses. Journal of Non-Crystalline Solids, 2006, 352, 4941-4945.	1.5	28
149	Apparent giant dielectric constants, dielectric relaxation, and ac-conductivity of hexagonal perovskites La _{1.2} Sr _{2.7} BO _{7.33} (B=Ru, Ir). Journal of Solid State Chemistry, 2006, 179, 3965-3973.	1.4	42
150	Slowing down of the relaxational dynamics at the ferroelectric phase transition in one-dimensional (TMTTF) ₂ AsF ₆ . Solid State Communications, 2006, 137, 241-245.	0.9	25
151	Multiferroic behavior in. Physica B: Condensed Matter, 2006, 378-380, 363-366.	1.3	21
152	Dynamic conductivity from audio to optical frequencies of semiconducting manganites approaching the metal-insulator transition. Annalen Der Physik, 2006, 15, 498-507.	0.9	3
153	Comparison of mechanical and dielectric relaxation processes in laser-deposited poly(methyl) Tj ETQq1 1 0.784314 _{rgBT /Overlock 10}	1.2	16
154	Spin dynamics in the low-dimensional magnet TiOCl. Physical Review B, 2006, 73, .	1.1	29
155	$\hat{\Gamma}_{\pm}$ and $\hat{\Gamma}^2$ relaxation dynamics of a fragile plastic crystal. Journal of Chemical Physics, 2006, 124, 124911.	1.2	41
156	Relaxor ferroelectricity and colossal magnetocapacitive coupling in ferromagnetic CdCr ₂ S ₄ . Nature, 2005, 434, 364-367.	13.7	475
157	Relaxor Ferroelectricity and Colossal Magnetocapacitive Coupling in Ferromagnetic CdCr ₂ S ₄ .. ChemInform, 2005, 36, no.	0.1	1
158	Orbitale GlÄser. Physik in Unserer Zeit, 2005, 36, 112-113.	0.0	1
159	Charge ordering in quasi one-dimensional semiconductor (NbSe ₄) ₃ I. European Physical Journal Special Topics, 2005, 131, 59-62.	0.2	0
160	Doping effects on the low-energy excitations of the charge density wave system o-TaS ₃ . European Physical Journal Special Topics, 2005, 131, 191-192.	0.2	3
161	Temperature hysteresis in dielectric and transport properties of charge density wave system o-TaS ₃ . European Physical Journal Special Topics, 2005, 131, 183-184.	0.2	0
162	Relaxation dynamics and colossal magnetocapacitive effect inCdCr ₂ S ₄ . Physical Review B, 2005, 72, .	1.1	54

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163	Orbital Freezing and Orbital Glass State in FeCr ₂ S ₄ . Physical Review Letters, 2005, 94, 027601.	2.9	118
164	Glassy freezing of orbital dynamics in FeCr ₂ S ₄ and FeSc ₂ S ₄ . Journal of Non-Crystalline Solids, 2005, 351, 2793-2797.	1.5	12
165	Glassy Aging Dynamics. Physical Review Letters, 2005, 95, 055702.	2.9	217
166	Orbital physics in sulfur spinels: ordered, liquid and glassy ground states. New Journal of Physics, 2004, 6, 191-191.	1.2	38
167	Indications for an "excess wing" in metallic glasses from the mechanical loss modulus in Zr ₆₅ Al _{7.5} Cu _{27.5} . Europhysics Letters, 2004, 68, 226-232.	0.7	84
168	Dielectric behavior of copper tantalum oxide. Journal of Applied Physics, 2004, 96, 4400-4404.	1.1	64
169	Nonintrinsic origin of the colossal dielectric constants in CaCu ₃ Ti ₄ O ₁₂ . Physical Review B, 2004, 70, .	1.1	623
170	Dielectric properties and dynamical conductivity of LaTiO ₃ : From dc to optical frequencies. Physical Review B, 2003, 68, .	1.1	52
171	Response of Disordered Matter to Electromagnetic Fields. Physical Review Letters, 2003, 91, 207601.	2.9	156
172	Evidence for Jahn-Teller Distortions at the Antiferromagnetic Transition in LaTiO ₃ . Physical Review Letters, 2003, 91, 066403.	2.9	73
173	Electronic and optical properties of LiBC. Physical Review B, 2003, 67, .	1.1	16
174	Calorimetric study of plastically crystalline α - and β -carboranes. Journal of Chemical Physics, 2003, 119, 4775-4781.	1.2	18
175	Glassy Dynamics Beyond the τ -Relaxation. , 2003, , 131-169.		5
176	Separation of grain boundary effects and intrinsic properties in perovskite-like Gd _{0.6} Y _{0.4} BaCo ₂ O _{5.5} using high-frequency dielectric spectroscopy. Physical Review B, 2002, 65, .	1.1	20
177	Synthesis and Characterisation of B-Site Doped Cu ₂ Ta ₄ O ₁₂ . Materials Research Society Symposia Proceedings, 2002, 755, 1.	0.1	0
178	Origin of apparent colossal dielectric constants. Physical Review B, 2002, 66, .	1.1	812
179	Dielectric properties and charge transport in the (Sr,Lu)NbO _{3.5} system. Physical Review B, 2002, 65, .	1.1	26
180	Determination of the parameters of semiconducting CdF ₂ :In with Schottky barriers from radio-frequency measurements. Physical Review B, 2002, 65, .	1.1	43

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181	Relaxation dynamics in plastic crystals. <i>Journal of Chemical Physics</i> , 2002, 116, 10386-10401.	1.2	302
182	Excess wing in the dielectric loss of glass formers: further evidence for a $\hat{\Gamma}^2$ -relaxation. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 336-344.	1.5	63
183	Dielectric spectroscopy of glass-forming materials: $\hat{\Gamma}^{\pm}$ -relaxation and excess wing. <i>Chemical Physics</i> , 2002, 284, 205-219.	0.9	163
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