

Alois Loidl

List of Publications by Year in descending order

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825
papers

30,657
citations

5248

83
h-index

10708

138
g-index

844
all docs

844
docs citations

844
times ranked

17154
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-particle and collective excitations of polar water molecules confined in nano-pores within a cordierite crystal lattice. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6890-6904.	1.3	8
2	Magneto-optical study of metamagnetic transitions in the antiferromagnetic phase of $\hat{\Gamma}_2$ -RuCl ₃ . <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	7
3	Arriving at the most plausible interpretation of the dielectric spectra of glycerol with help from quasielastic $\hat{\Gamma}_3$ -ray scattering time-domain interferometry. <i>Physical Review E</i> , 2022, 105, .	0.8	2
4	Nonequilibrium quasistationary spin disordered state in $\hat{\Gamma}_2$. <i>Physical Review B</i> , 2022, 105, .	1.1	1
5	Magnetic surface reconstruction in the van der Waals antiferromagnet $\hat{\Gamma}_2$. <i>Physical Review B</i> , 2021, 103, .	1.1	1
6	Element-specific field-induced spin reorientation and tetracritical point in $\hat{\Gamma}_2$. <i>Physical Review B</i> , 2021, 103, .	1.1	8
7	Spin relaxation in $\hat{\Gamma}_2$. <i>Physical Review B</i> , 2021, 103, .	1.1	1
8	Angle-dependent thermodynamics of $\hat{\Gamma}_2$. <i>Physical Review B</i> , 2021, 103, .	1.1	1
9	On the structural heterogeneity of supercooled liquids and glasses ^(a) . <i>Europhysics Letters</i> , 2021, 133, 56002.	0.7	10
10	Strain-Stabilized ($\hat{\Gamma}_2$, $\hat{\Gamma}_2$) Order at the Surface of Fe _{1+x} Te. <i>Nano Letters</i> , 2021, 21, 2786-2792.	4.5	2
11	Translational and reorientational dynamics in deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021, 154, 154501.	1.2	27
12	Unusual field-induced spin reorientation in $\hat{\Gamma}_2$: Field tuning of the Jahn-Teller state. <i>Physical Review B</i> , 2021, 104, .	1.1	6
13	Lithium-salt-based deep eutectic solvents: Importance of glass formation and rotation-translation coupling for the ionic charge transport. <i>Journal of Chemical Physics</i> , 2021, 155, 044503.	1.2	8
14	On the proximate Kitaev quantum-spin liquid $\hat{\Gamma}_2$ -RuCl ₃ : thermodynamics, excitations and continua. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 443004.	0.7	6
15	On the complexity of spinels: Magnetic, electronic, and polar ground states. <i>Physics Reports</i> , 2021, 926, 1-86.	10.3	66
16	Probing Magnetic Exchange Interactions with Helium. <i>Physical Review Letters</i> , 2021, 127, 166803.	2.9	1
17	Predicting the $\hat{\Gamma}_2$ -relaxation time of glycerol confined in 1.16 nm pores of zeolitic imidazolate frameworks. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 507-511.	1.3	13
18	Universal correlations between the fragility and interparticle repulsion of glass-forming liquids. <i>Journal of Chemical Physics</i> , 2020, 153, 124507.	1.2	14

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19	Magnetoelectric properties and low-energy excitations of multiferroic FeCr_2S_4 . Physical Review B, 2020, 102, .	1.1	9
20	Ionic conductivity and relaxation dynamics in plastic crystals with nearly globular molecules. Journal of Chemical Physics, 2020, 153, 014502.	1.2	6
21	Supercooled water confined in a metal-organic framework. Communications Physics, 2020, 3, .	2.0	11
22	Dielectric ordering of water molecules arranged in a dipolar lattice. Nature Communications, 2020, 11, 3927.	5.8	33
23	Thermodynamic Perspective on Field-Induced Behavior of RuCl_3 . Physical Review Letters, 2020, 125, 097203.	2.9	42
24	Magnetic field dependence of low-energy magnons, anisotropic heat conduction, and spontaneous relaxation of magnetic domains in the cubic helimagnet $\text{ZnCr}_2\text{P}_2\text{O}_{14}$. Physical Review B, 2020, 102, .	1.1	5
25	Quantum paraelectricity in the Kitaev quantum spin liquid candidates $\text{H}_3\text{LiIr}_2\text{O}_6$ and $\text{D}_3\text{LiIr}_2\text{O}_6$. Physical Review B, 2020, 101, .	1.1	17
26	Spin-lattice coupling in a ferrimagnetic spinel: Exotic phase diagram of MnCr_2S_4 up to 10^3 K. Physical Review B, 2020, 102, .	1.1	16
27	Structure, superconductivity, and magnetism in $\text{RbZr}_2\text{P}_2\text{O}_{11}$. Physical Review B, 2020, 101, .	1.1	1
28	Nanoscale electronic inhomogeneity in FeSe revealed through unsupervised machine learning. Physical Review B, 2020, 101, .	1.1	0.4
29	High-field phase transitions in the orbitally ordered multiferroic Ge_2S_8 . Physical Review B, 2020, 101, .	1.1	5
30	Charge transport by global protonic conductivity and relaxational dynamics over hydrogen bonds in $\text{Fe}_2+\text{Fe}_3+3.2(\text{Mn}_2+,\text{Zn})0.8(\text{PO}_4)_3(\text{OH})_4.2(\text{HOH})0.8$. Solid State Ionics, 2020, 347, 115240.	1.3	4
31	High-field quantum disordered state in RuCl_3 : Spin flips, bound states, and multiparticle continuum. Physical Review B, 2020, 101, .	1.1	1
32	Multiple spin-orbit excitons and the electronic structure of RuCl_3 . Physical Review Research, 2020, 2, .	1.3	17
33	Broad-Band Spectroscopy of Nanoconfined Water Molecules. IFMBE Proceedings, 2020, , 7-11.	0.2	0
34	Electronic correlations and crystal-field effects in $\text{RCu}_3\text{Ru}_4\text{O}_{12}$ ($\text{R}=\text{La}, \text{Pr}, \text{Nd}$). Physical Review B, 2020, 102, .	1.1	1
35	Quantum Critical Dynamics of a Heisenberg-Ising Chain in a Longitudinal Field: Many-Body Strings versus Fractional Excitations. Physical Review Letters, 2019, 123, 067202.	2.9	33
36	Multiferroic spin-superfluid and spin-supersolid phases in MnCr_2S_4 . Physical Review B, 2019, 100, .	1.1	13

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37	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
38	Spin probe interaction and mobility in confined cyclohexane: Effects of pore size and pore surface composition of silica gel matrices. <i>Chemical Physics Letters</i> , 2019, 735, 136756.	1.2	5
39	Infrared-active phonons in the ferrimagnetic and multiferroic phases of FeCr ₂ S ₄ : Evidence for structural distortions. <i>Physical Review B</i> , 2019, 100, .	1.1	5
40	Hertz-to-terahertz dielectric response of nanoconfined water molecules. , 2019, , .		0
41	Hertz-To-Terahertz Dielectric Response of Nanoconfined Water Molecules. <i>Proceedings (mdpi)</i> , 2019, 26, .	0.2	1
42	Terahertz excitations in RuC_3 : Majorana fermions and rigid-plane shear and compression modes. <i>Physical Review B</i> , 2019, 100, .	1.1	16
43	Chirality-driven ferroelectricity in LiCuVO ₄ . <i>Npj Quantum Materials</i> , 2019, 4, .	1.8	20
44	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
45	Manipulating surface magnetic order in iron telluride. <i>Science Advances</i> , 2019, 5, eaav3478.	4.7	18
46	Evidence of the Plaquette Structure of Fe _{1+x} Te Iron Telluride: Mössbauer Spectroscopy Study. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800698.	0.7	1
47	Thermodynamic evidence of fractionalized excitations in RuC_3 . <i>Physical Review B</i> , 2019, 99, .	1.1	52
48	Third and fifth harmonic responses in viscous liquids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 124003.	0.9	3
49	High-resolution neutron depolarization microscopy of the ferromagnetic transitions in Ni ₃ Al and HgCr ₂ Se ₄ under pressure. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 475, 176-183.	1.0	17
50	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
51	Atomic-scale coexistence of short-range magnetic order and superconductivity in Fe _{1+y} Se _{0.1} Te _{0.9} . <i>Physical Review Materials</i> , 2019, 3, .	0.9	3
52	Johari-Goldstein relaxation in glass electrets. <i>Physical Review Materials</i> , 2019, 3, .	0.9	1
53	Enhancement of magnetodielectric coupling in 6H-perovskites Ba_3MO_9 for		

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55	Intrinsic spin resonance in iron pnictides. <i>Magnetic Resonance in Solids</i> , 2019, 21, .	0.2	0
56	Johari-Goldstein Relaxation Far Below $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle :$ Experimental Evidence for the Gardner Transition in Structural Glasses?. <i>Physical Review Letters</i> , 2018, 120, 085705.	2.9	49
57	Intrinsic Charge Dynamics in High- T_c AFeAs(O,F) Superconductors. <i>Physical Review Letters</i> , 2018, 120, 087001.	2.9	7
58	Glycerol Hydrogen-Bonding Network Dominates Structure and Collective Dynamics in a Deep Eutectic Solvent. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1261-1267.	1.2	106
59	Experimental observation of Bethe strings. <i>Nature</i> , 2018, 554, 219-223.	13.7	84
60	Manifolds of magnetic ordered states and excitations in the almost Heisenberg pyrochlore antiferromagnet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{MgCr} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:msub} \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle .$ <i>Physical Review B</i> , 2018, 97,	1.1	14
61	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{CdEr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle :$		

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73	Fast dynamics in glass-forming salol investigated by dielectric spectroscopy. Journal of Non-Crystalline Solids, 2018, 492, 63-67.	1.5	3
74	Frequency dependent polarisation switching in h-ErMnO ₃ . Applied Physics Letters, 2018, 112, .	1.5	26
75	Ion Dynamics in Ionic-Liquid-Based Li-Ion Electrolytes Investigated by Neutron Scattering and Dielectric Spectroscopy. ChemSusChem, 2018, 11, 3512-3523.	3.6	22
76	Third and Fifth Harmonic Responses in Viscous Liquids. Advances in Dielectrics, 2018, , 219-260.	1.2	2
77	Exchange anisotropy in the skyrmion host GaV ₄ S ₈ . Journal of Physics Condensed Matter, 2017, 29, 065803.	0.7	22
78	Antiferroelectric instability in the kagome francisites $CuBi_3Se_4O_{12}$ and $BiBi_3Se_4O_{12}$. Physical Review B, 2017, 95, 041115.	0.4	25
79	Magnetic Field Dependence of Excitations Near Spin-Orbital Quantum Criticality. Physical Review Letters, 2017, 118, 067205.	2.9	8
80	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
81	Characteristics of ferroelectric-ferroelastic domains in Néel-type skyrmion host GaV ₄ S ₈ . Scientific Reports, 2017, 7, 44663.	1.6	41
82	Ultra-robust high-field magnetization plateau and supersolidity in bond-frustrated MnCr ₂ S ₄ . Science Advances, 2017, 3, e1601982.	4.7	22
83	Mössbauer spectroscopy evidence of intrinsic non-stoichiometry in iron telluride single crystals. Annalen Der Physik, 2017, 529, 1600241.	0.9	3
84	Structural Behavior of ZnCr ₂ S ₄ Spinel under Pressure. Journal of Physical Chemistry C, 2017, 121, 769-777.	1.5	13
85	Investigation of nonlinear effects in glassy matter using dielectric methods. European Physical Journal: Special Topics, 2017, 226, 3157-3183.	1.2	20
86	Unifying different interpretations of the nonlinear response in glass-forming liquids. Physical Review E, 2017, 96, 032611.	0.8	12
87	Magnetodielectric coupling in a non-perovskite metal-organic framework. Materials Horizons, 2017, 4, 1178-1184.	6.4	10
88	Optical conductivity in multiferroic GaV_4S_8 and $BiBi_3Se_4O_{12}$.	1.1	16
89	Electronic and phonon excitations in GeV_4S_8 and $RuCr_2S_4$.	1.1	37
90	Excitations and relaxation dynamics in multiferroic GeV_4S_8 studied by terahertz and dielectric spectroscopy. Physical Review B, 2017, 96, .	1.1	8

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91	Polar and magnetic order in GaV_4S_8 . Physical Review B, 2017, 96, .	1.1	29
92	Magnetic properties of chain antiferromagnets RbFeSe_2 , TlFeSe_2 , and TlFeS_2 . Bulletin of the Russian Academy of Sciences: Physics, 2017, 81, 885-887.	0.1	7
93	Primary $\hat{\Gamma}_\pm$ and secondary $\hat{\Gamma}_2$ relaxation dynamics of meta-toluidine in the liquid state investigated by broadband dielectric spectroscopy. Journal of Chemical Physics, 2017, 147, 084506.	1.2	4
94	Variation of ionic conductivity in a plastic-crystalline mixture. Journal of Chemical Physics, 2017, 147, 104502.	1.2	5
95	Equilibrium Skyrmion Lattice Ground State in a Polar Easy-plane Magnet. Scientific Reports, 2017, 7, 7584.	1.6	87
96	Anisotropic exchange in LiCu_2O_2 . Physical Review B, 2017, 95, .	1.1	6
97	Relaxation dynamics of modulated magnetic phases in the skyrmion host GaV_4S_8 : An ac magnetic susceptibility study. Physical Review B, 2017, 96, .	1.1	12
98	Dielectric study on mixtures of ionic liquids. Scientific Reports, 2017, 7, 7463.	1.6	38
99	Structure, magnetic susceptibility, and specific heat of the spin-orbital-liquid candidate FeS_2 : Influence of Fe off-stoichiometry. Physical Review B, 2017, 96, .	1.1	7
100	Dielectric properties of complex magnetic field induced states in $\text{PbCuSO}_4(\text{OH})_2$. Scientific Reports, 2017, 7, 4460.	1.6	5
101	Electromagnetic-radiation absorption by water. Physical Review E, 2017, 96, 062607.	0.8	65
102	Complex nature of magnetic field induced ferroelectricity in $\text{GdCrTi}_5\text{O}_{15}$. Physical Review B, 2017, 96, .	1.1	15
103	Magnetic Excitations and Continuum of a Possibly Field-Induced Quantum Spin Liquid in RuCl_3 . Physical Review Letters, 2017, 119, 227202.	2.9	185
104	Comparing the Pressure-Induced Structural Behavior of CuCr_2O_4 and CuCr_2Se_4 Spinel. Journal of Physical Chemistry C, 2017, 121, 16513-16520.	1.5	10
105	Berezinskii-Kosterlitz-Thouless type scenario in the molecular spin liquid $\text{A}_4\text{Cr}_4\text{O}_{15}$. Physical Review B, 2017, 95, .	1.1	15
106	On the multiferroic skyrmion-host GaV_4S_8 . Philosophical Magazine, 2017, 97, 3428-3445.	0.7	40
107	Spiral spin-liquid and the emergence of a vortex-like state in MnSc_2S_4 . Nature Physics, 2017, 13, 157-161.	6.5	88
108	Pressure effect on superconductivity in $\text{FeSe}_{0.5}\text{Te}_{0.5}$. Physica Status Solidi (B): Basic Research, 2017, 254, 1600161.	0.7	7

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109	Pressure-induced Goldstone Magnons in the Frustrated Heisenberg Helimagnet $Sr_2V_2O_7$. Physical Review X, 2017, 7, .	2.8	18
110	Multiferroic Hysteresis Loop. Materials, 2017, 10, 1318.	1.3	9
111	Complex mesoscale magnetic order in the Néel-type skyrmion material GaV_4S_8 . Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C825-C825.	0.0	0
112	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
113	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
114	Electron spin resonance insight into broadband absorption of the $Cu_3Bi(SeO_3)_2O_2Br$ metamagnet. AIP Advances, 2016, 6, .	0.6	12
115	Structural, magnetic, electric, dielectric, and thermodynamic properties of multiferroic $Ge_4V_8S_8$. Pressure-induced phase transitions in the $Ge_4V_8S_8$. Physical Review B, 2016, 94, .	1.1	15
116	Magnetic phase diagram of the helimagnetic spinel compound $CdCr_2S_4$. Physical Review B, 2016, 94, .	1.1	16
117	Magnetic phase diagram of the helimagnetic spinel compound $ZnCr_2Se_4$ revisited by small-angle neutron scattering. Journal of Physics Condensed Matter, 2016, 28, 146001.	0.7	14
118	Impact of water on the charge transport of a glass-forming ionic liquid. Journal of Molecular Liquids, 2016, 223, 635-642.	2.3	16
119	Skyrmion dynamics under uniaxial anisotropy. Physical Review B, 2016, 94, .	1.1	45
120	Lattice modes and the Jahn-Teller ferroelectric transition of GaV_4S_8 . Physical Review B, 2016, 94, .	1.1	30
121	From confined spinons to emergent fermions: Observation of elementary magnetic excitations in a transverse-field Ising chain. Physical Review B, 2016, 94, .	1.1	35
122	Kondo-type behavior of the Ru_4O_{12} in $LaCu_3O_{12}$. Physical Review B, 2016, 93, .	1.1	5
123	Electromagnons, magnons, and phonons in $Eu_2HoxMnO_3$. Physical Review B, 2016, 93, .	1.1	3
124	Structural transition in the magnetoelectric $ZnCr_2S_4$ spinel under pressure. Physical Review B, 2016, 93, .	1.1	16
125	Influence of the FFLO-like state on the upper critical field of a superconductor/ferromagnet bilayer: Angular and temperature dependence. Physical Review B, 2016, 93, .	1.1	8
126	Field-Induced Magnonic Liquid in the 3D Spin-Dimerized Antiferromagnet $Sr_3Cr_2O_8$. Physical Review Letters, 2016, 116, 147201.	2.9	13

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127	Tuning orbital-selective correlations in superconducting $\text{RbSr}_2\text{ZrO}_6$. Physical Review B, 2016, 93, .	1.1	6
128	Magnetic properties of the covalent chain antiferromagnet RbFeSe_2 . Physical Review B, 2016, 94, .	1.1	6
129	Nonlinear dielectric spectroscopy in a fragile plastic crystal. Journal of Chemical Physics, 2016, 144, 114506.	1.2	23
130	Fifth-order susceptibility unveils growth of thermodynamic amorphous order in glass-formers. Science, 2016, 352, 1308-1311.	6.0	164
131	$[\text{Co}^{\text{V}}\text{Tp}^{\text{IV}}(\text{Me}^{\text{II}}\text{bta})^{\text{VI}}]$: A Highly Symmetrical Pentanuclear Kuratowski Complex Featuring Tris(pyrazolyl)borate and Benzotriazolate Ligands. Inorganic Chemistry, 2016, 55, 1053-1060.	1.9	14
132	Crystal structure, incommensurate magnetic order, and ferroelectricity in MnO .		

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145	Multiferroicity and skyrmions carrying electric polarization in GaV ₄ S ₈ . Science Advances, 2015, 1, e1500916.	4.7	136
146	Novel phase transition and metastable regions in the frustrated magnet CdCr_2O_4 . Physical Review B, 2015, 91, .	1.1	17
147	Spin probe dynamics of n-hexadecane in confined geometry. European Physical Journal B, 2015, 88, 1.	0.6	5
148	Excess wing in glass-forming glycerol and LiCl-glycerol mixtures detected by neutron scattering. European Physical Journal E, 2015, 38, 1.	0.7	61
149	Oscillation of the multiferroic/ferroelectric GdMnO ₃ /SrTiO ₃ and YbMnO ₃ /SrTiO ₃ interfaces in the EPR spectrum. Low Temperature Physics, 2015, 41, 43-46.	0.2	0
150	Cooperativity and Heterogeneity in Plastic Crystals Studied by Nonlinear Dielectric Spectroscopy. Physical Review Letters, 2015, 114, 067601.	2.9	29
151	Spin-orbiton and quantum criticality in FeSc_2S_4 . Physical Review B, 2015, 91, .	1.1	22
152	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
153	Heavy fermions, metal-to-insulator transition, and quantum criticality in $\text{La}_{1-x}\text{Cu}_3\text{Ru}_x\text{Ti}_4\text{O}_{12}$. European Physical Journal: Special Topics, 2015, 224, 1061-1086.	1.2	3
154	Evidence for orbital order and its relation to superconductivity in $\text{FeSe}_{0.4}\text{Te}_{0.6}$. Science Advances, 2015, 1, e1500206.	4.7	28
155	Communication: Conductivity enhancement in plastic-crystalline solid-state electrolytes. Journal of Chemical Physics, 2015, 143, 081101.	1.2	31
156	Dielectric spectroscopy on organic charge-transfer salts. Journal of Physics Condensed Matter, 2015, 27, 373001.	0.7	36
157	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor GaV_4S_8 . Nature Materials, 2015, 14, 1116-1122.	13.3	523
158	Nonlinear dielectric response of Debye, $\hat{\Gamma}_1$, and $\hat{\Gamma}_2$ relaxation in 1-propanol. Journal of Non-Crystalline Solids, 2015, 407, 66-71.	1.5	20
159	Dielectric Characterization of a Nonlinear Optical Material. Scientific Reports, 2015, 4, 6020.	1.6	12
160	Magnetic heating properties and neutron activation of tungsten-oxide coated biocompatible FePt core-shell nanoparticles. Journal of Controlled Release, 2015, 197, 131-137.	4.8	31
161	Supercooled-liquid and plastic-crystalline state in succinonitrile-glutaronitrile mixtures. Journal of Chemical Physics, 2014, 140, 094504.	1.2	27
162	Liquid 1-propanol studied by neutron scattering, near-infrared, and dielectric spectroscopy. Journal of Chemical Physics, 2014, 140, 124501.	1.2	68

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163	Magnetic and thermodynamic properties of the spin-dimer system LaMn_2O_5 induced by Mn substitution. <i>Physical Review B</i> , 2014, 90, .	1.1	1
164	Low temperature dielectric relaxation study of aqueous solutions of diethylsulfoxide. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	10
165	Synthesis, crystal structure, and valence states of Mn-substituted LaMn_2O_5 . <i>Physical Review B</i> , 2014, 90, .	1.1	2
166	Magnetism of PdNi_2O_5 near the critical concentration for ferromagnetism. <i>Physical Review B</i> , 2014, 89, .		
167	Magnetism of EuFe_2O_7 . <i>Physical Review B</i> , 2014, 90, .	1.1	2
168	Pressurizing the HgCr_2Se_4 spinel at room temperature. <i>Applied Physics Letters</i> , 2014, 104, 011911.	1.5	10
169	Dielectric Relaxation Processes, Electronic Structure, and Band Gap Engineering of MFU-4l type Metal-Organic Frameworks: Towards a Rational Design of Semiconducting Microporous Materials. <i>Advanced Functional Materials</i> , 2014, 24, 3885-3896.	7.8	95
170	Orbital-selective metal-insulator transition and gap formation above TC in superconducting $\text{Rb}_1\text{Fe}_2\text{ySe}_2$. <i>Nature Communications</i> , 2014, 5, 3202.	5.8	36
171	Ultrasound study of FeCr_2S_4 in high magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 486001.	0.7	4
172	Dielectric properties and electrical switching behaviour of the spin-driven multiferroic LiCuVO_4 . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 485901.	0.7	11
173	ESR evidence for partial melting of the orbital order in LaMnO_3 below the Jahn-Teller transition. <i>Physical Review B</i> , 2014, 90, .	1.1	7
174	Real-space imaging of the atomic-scale magnetic structure of Fe_{1+y}Te . <i>Science</i> , 2014, 345, 653-656.	6.0	79
175	Multiferroicity in the Mott Insulating Charge-Transfer Salt $\kappa\text{-BEDT-TTF}_2\text{Cu}[\text{N}(\text{CN})_2\text{Cl}]$. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-7.	1.2	12
176	High-field electron spin resonance spectroscopy of singlet-triplet transitions in the spin-dimer systems $\text{SrCr}_3\text{O}_{10}$ and Cr_2O_3 . <i>Physical Review B</i> , 2014, 89, .		
177	A $1/4$ SR study of the ruthenium perovskites $\text{ACu}_3\text{Ru}_4\text{O}_{12}$ with A = Ca, Pr, Nd. <i>Journal of Physics: Conference Series</i> , 2014, 551, 012015.	0.3	4
178	Magnetic properties of the multiferroic compounds $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ ($x = 0.2$ and 0.3). <i>Journal of Physics: Conference Series</i> , 2014, 551, 012014.	0.3	3
179	FeCr_2S_4 in magnetic fields: possible evidence for a multiferroic ground state. <i>Scientific Reports</i> , 2014, 4, 6079.	1.6	36
180	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

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