

Alois Loidl

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

799 papers	26,797 citations	77 h-index	128 g-index
840 ext. papers	28,967 ext. citations	3.9 avg, IF	6.77 L-index

#	Paper	IF	Citations
799	Probing Magnetic Exchange Interactions with Helium. <i>Physical Review Letters</i> , 2021 , 127, 166803	7.4	1
798	On the structural heterogeneity of supercooled liquids and glasses (a). <i>Europhysics Letters</i> , 2021 , 133, 56002	1.6	3
797	Strain-Stabilized $\sqrt{3}\times\sqrt{3}$ Order at the Surface of FeTe. <i>Nano Letters</i> , 2021 , 21, 2786-2792	11.5	1
796	Translational and reorientational dynamics in deep eutectic solvents. <i>Journal of Chemical Physics</i> , 2021 , 154, 154501	3.9	11
795	Unusual field-induced spin reorientation in FeCr ₂ S ₄ : Field tuning of the Jahn-Teller state. <i>Physical Review B</i> , 2021 , 104,	3.3	1
794	Magnetic surface reconstruction in the van der Waals antiferromagnet Fe _{1+x} Te. <i>Physical Review B</i> , 2021 , 103,	3.3	2
793	Element-specific field-induced spin reorientation and tetracritical point in MnCr ₂ S ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	3
792	Angle-dependent thermodynamics of $\sqrt{3}\times\sqrt{3}$ RuCl ₃ . <i>Physical Review B</i> , 2021 , 103,	3.3	6
791	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	3.9	1
790	On the complexity of spinels: Magnetic, electronic, and polar ground states. <i>Physics Reports</i> , 2021 , 926, 1-86	27.7	12
789	Magnetic field dependence of low-energy magnons, anisotropic heat conduction, and spontaneous relaxation of magnetic domains in the cubic helimagnet ZnCr ₂ Se ₄ . <i>Physical Review B</i> , 2020 , 102,	3.3	1
788	Quantum paraelectricity in the Kitaev quantum spin liquid candidates H ₃ LiIr ₂ O ₆ and D ₃ LiIr ₂ O ₆ . <i>Physical Review B</i> , 2020 , 101,	3.3	8
787	Spin-lattice coupling in a ferrimagnetic spinel: Exotic H $\sqrt{3}\times\sqrt{3}$ phase diagram of MnCr ₂ S ₄ up to 110 T. <i>Physical Review B</i> , 2020 , 101,	3.3	7
786	Nanoscale electronic inhomogeneity in FeSe _{0.4} Te _{0.6} revealed through unsupervised machine learning. <i>Physical Review B</i> , 2020 , 101,	3.3	2
785	High-field phase transitions in the orbitally ordered multiferroic GeV ₄ S ₈ . <i>Physical Review B</i> , 2020 , 101,	3.3	3
784	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	3.3	2
783	High-field quantum disordered state in $\sqrt{3}\times\sqrt{3}$ RuCl ₃ : Spin flips, bound states, and multiparticle continuum. <i>Physical Review B</i> , 2020 , 101,	3.3	27

782	Multiple spin-orbit excitons and the electronic structure of BiRuCl_3 . <i>Physical Review Research</i> , 2020 , 2, 023001	3.9	5
781	Broad-Band Spectroscopy of Nanoconfined Water Molecules. <i>IFMBE Proceedings</i> , 2020 , 7-11	0.2	
780	Predicting the Relaxation time of glycerol confined in 1.16 nm pores of zeolitic imidazolate frameworks. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 507-511	3.6	5
779	Universal correlations between the fragility and interparticle repulsion of glass-forming liquids. <i>Journal of Chemical Physics</i> , 2020 , 153, 124507	3.9	5
778	Magnetoelectric properties and low-energy excitations of multiferroic FeCr_2S_4 . <i>Physical Review B</i> , 2020 , 102, 020401	3.3	5
777	Ionic conductivity and relaxation dynamics in plastic crystals with nearly globular molecules. <i>Journal of Chemical Physics</i> , 2020 , 153, 014502	3.9	4
776	Supercooled water confined in a metal-organic framework. <i>Communications Physics</i> , 2020 , 3, 10	5.4	6
775	Dielectric ordering of water molecules arranged in a dipolar lattice. <i>Nature Communications</i> , 2020 , 11, 3927	17.4	12
774	Thermodynamic Perspective on Field-Induced Behavior of BiRuCl_3 . <i>Physical Review Letters</i> , 2020 , 125, 097203	7.4	15
773	Hertz-To-Terahertz Dielectric Response of Nanoconfined Water Molecules. <i>Proceedings (mdpi)</i> , 2019 , 26, 27	0.3	1
772	Terahertz excitations in BiRuCl_3 : Majorana fermions and rigid-plane shear and compression modes. <i>Physical Review B</i> , 2019 , 100, 020401	3.3	6
771	Chirality-driven ferroelectricity in LiCuVO_4 . <i>Npj Quantum Materials</i> , 2019 , 4, 1	5	10
770	Ionic conductivity of deep eutectic solvents: the role of orientational dynamics and glassy freezing. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 6801-6809	3.6	37
769	Manipulating surface magnetic order in iron telluride. <i>Science Advances</i> , 2019 , 5, eaav3478	14.3	9
768	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	1.3	0
767	Thermodynamic evidence of fractionalized excitations in BiRuCl_3 . <i>Physical Review B</i> , 2019 , 99, 020401	3.3	25
766	Quantum Critical Dynamics of a Heisenberg-Ising Chain in a Longitudinal Field: Many-Body Strings versus Fractional Excitations. <i>Physical Review Letters</i> , 2019 , 123, 067202	7.4	11
765	Multiferroic spin-superfluid and spin-supersolid phases in MnCr_2S_4 . <i>Physical Review B</i> , 2019 , 100, 020401	3.3	9

764	Plastic-crystalline solid-state electrolytes: Ionic conductivity and orientational dynamics in nitrile mixtures. <i>Journal of Chemical Physics</i> , 2019 , 150, 244507	3.9	11
763	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	2.5	4
762	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,	3.3	4
761	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,	3.2	2
760	Johari-Goldstein relaxation in glass electrets. <i>Physical Review Materials</i> , 2019 , 3,	3.2	1
759	Enhancement of magnetodielectric coupling in 6H-perovskites Ba ₃ RRu ₂ O ₉ for heavier rare-earth cations (R=Ho,Tb). <i>Physical Review Materials</i> , 2019 , 3,	3.2	3
758	Third and fifth harmonic responses in viscous liquids. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 124003	1.9	2
757	High-resolution neutron depolarization microscopy of the ferromagnetic transitions in NiAl and HgCrSe under pressure.. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 475,	2.8	12
756	Glycerol confined in zeolitic imidazolate frameworks: The temperature-dependent cooperativity length scale of glassy freezing. <i>Journal of Chemical Physics</i> , 2019 , 150, 024504	3.9	17
755	Johari-Goldstein Relaxation Far Below T _g : Experimental Evidence for the Gardner Transition in Structural Glasses?. <i>Physical Review Letters</i> , 2018 , 120, 085705	7.4	36
754	Intrinsic Charge Dynamics in High-T _c AFeAs(O,F) Superconductors. <i>Physical Review Letters</i> , 2018 , 120, 087001	7.4	5
753	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	3.4	79
752	Experimental observation of Bethe strings. <i>Nature</i> , 2018 , 554, 219-223	50.4	47
751	Bethe-Strings: Exotische Anregungen in Spinsystemen. <i>Physik in Unserer Zeit</i> , 2018 , 49, 111-112	0.1	
750	Manifolds of magnetic ordered states and excitations in the almost Heisenberg pyrochlore antiferromagnet MgCr ₂ O ₄ . <i>Physical Review B</i> , 2018 , 97,	3.3	10
749	Dipolar Spin Ice States with a Fast Monopole Hopping Rate in CdEr ₂ X ₄ (X=Se, S). <i>Physical Review Letters</i> , 2018 , 120, 137201	7.4	12
748	Magnetodielectric coupling in a Ru-based 6H-perovskite, Ba ₃ NdRu ₂ O ₉ . <i>Applied Physics Letters</i> , 2018 , 113, 042902	3.4	4
747	The Scaling of Relaxation ProcessesâRevisited. <i>Advances in Dielectrics</i> , 2018 , 1-21	0.6	2

746	Glassy Dynamics: From Millihertz to Terahertz. <i>Advances in Dielectrics</i> , 2018 , 23-59	0.6	7
745	Fast dynamics in glass-forming salol investigated by dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2018 , 492, 63-67	3.9	3
744	Frequency dependent polarisation switching in h-ErMnO ₃ . <i>Applied Physics Letters</i> , 2018 , 112, 182908	3.4	20
743	Ion Dynamics in Ionic-Liquid-Based Li-Ion Electrolytes Investigated by Neutron Scattering and Dielectric Spectroscopy. <i>ChemSusChem</i> , 2018 , 11, 3512-3523	8.3	14
742	Third and Fifth Harmonic Responses in Viscous Liquids. <i>Advances in Dielectrics</i> , 2018 , 219-260	0.6	2
741	Importance of reorientational dynamics for the charge transport in ionic liquids. <i>Physical Review E</i> , 2018 , 98,	2.4	20
740	Weak ferromagnetism and glassy state in $\text{Ba}(\text{BEDT}^{\text{TM}}\text{TF})_2\text{Hg}(\text{SCN})_2\text{Br}$. <i>Physical Review B</i> , 2018 , 98,	3.3	6
739	Vibrational properties and magnetic specific heat of the covalent chain antiferromagnet RbFeSe_2 . <i>Physical Review B</i> , 2018 , 98,	3.3	3
738	Sub-gap optical response in the Kitaev spin-liquid candidate BaRuCl_4 . <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 475604	1.8	13
737	Quantum Criticality of an Ising-like Spin-1/2 Antiferromagnetic Chain in a Transverse Magnetic Field. <i>Physical Review Letters</i> , 2018 , 120, 207205	7.4	21
736	Universal link of magnetic exchange and structural behavior under pressure in chromium spinels. <i>Physical Review B</i> , 2018 , 97,	3.3	14
735	Relaxation dynamics in the one-dimensional organic charge-transfer salt $\text{Ba}(\text{EDT}^{\text{TM}}\text{TF})_2\text{I}(\text{ONMe}_2)_2\text{Br}$. <i>Physical Review B</i> , 2018 , 97,	3.3	1
734	Nonlinear Dielectric Response of Plastic Crystals. <i>Advances in Dielectrics</i> , 2018 , 277-300	0.6	1
733	Exchange anisotropy in the skyrmion host GaVS. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 065803	1.8	15
732	Antiferroelectric instability in the kagome francisites $\text{Cu}_3\text{Bi}(\text{SeO}_3)_2\text{O}_2\text{X}$ (X=Cl,Br). <i>Physical Review B</i> , 2017 , 95,	3.3	19
731	Magnetic Field Dependence of Excitations Near Spin-Orbital Quantum Criticality. <i>Physical Review Letters</i> , 2017 , 118, 067205	7.4	5
730	Conductivity Contrast and Tunneling Charge Transport in the Vortexlike Ferroelectric Domain Patterns of Multiferroic Hexagonal YMnO_3 . <i>Physical Review Letters</i> , 2017 , 118, 036803	7.4	31
729	Characteristics of ferroelectric-ferroelastic domains in Néel-type skyrmion host GaVS. <i>Scientific Reports</i> , 2017 , 7, 44663	4.9	32

- 728 Ultra-robust high-field magnetization plateau and supersolidity in bond-frustrated MnCrS. *Science Advances*, **2017**, 3, e1601982 14.3 17
- 727 Mössbauer spectroscopy evidence of intrinsic non-stoichiometry in iron telluride single crystals. *Annalen Der Physik*, **2017**, 529, 1600241 2.6 3
- 726 Structural Behavior of ZnCr₂S₄ Spinel under Pressure. *Journal of Physical Chemistry C*, **2017**, 121, 769-773.8 10
- 725 Investigation of nonlinear effects in glassy matter using dielectric methods. *European Physical Journal: Special Topics*, **2017**, 226, 3157-3183 2.3 16
- 724 Unifying different interpretations of the nonlinear response in glass-forming liquids. *Physical Review E*, **2017**, 96, 032611 2.4 11
- 723 Magnetodielectric coupling in a non-perovskite metal-organic framework. *Materials Horizons*, **2017**, 4, 1178-1184 14.4 8
- 722 Optical conductivity in multiferroic GaV₄S₈ and GeV₄S₈: Phonons and electronic transitions. *Physical Review B*, **2017**, 96, 3.3 13
- 721 Electronic and phonon excitations in RbRuCl₃. *Physical Review B*, **2017**, 96, 3.3 25
- 720 Excitations and relaxation dynamics in multiferroic GeV₄S₈ studied by terahertz and dielectric spectroscopy. *Physical Review B*, **2017**, 96, 3.3 5
- 719 Polar and magnetic order in GaV₄Se₈. *Physical Review B*, **2017**, 96, 3.3 21
- 718 Magnetic properties of chain antiferromagnets RbFeSe₂, TlFeSe₂, and TlFeS₂. *Bulletin of the Russian Academy of Sciences: Physics*, **2017**, 81, 885-887 0.4 6
- 717 Primary and secondary relaxation dynamics of meta-toluidine in the liquid state investigated by broadband dielectric spectroscopy. *Journal of Chemical Physics*, **2017**, 147, 084506 3.9 4
- 716 Variation of ionic conductivity in a plastic-crystalline mixture. *Journal of Chemical Physics*, **2017**, 147, 104502.9 5
- 715 Equilibrium Skyrmion Lattice Ground State in a Polar Easy-plane Magnet. *Scientific Reports*, **2017**, 7, 7584.9 60
- 714 Anisotropic exchange in LiCu₂O₂. *Physical Review B*, **2017**, 95, 3.3 4
- 713 Relaxation dynamics of modulated magnetic phases in the skyrmion host GaV₄S₈: An ac magnetic susceptibility study. *Physical Review B*, **2017**, 96, 3.3 9
- 712 Dielectric study on mixtures of ionic liquids. *Scientific Reports*, **2017**, 7, 7463 4.9 18
- 711 Structure, magnetic susceptibility, and specific heat of the spin-orbital-liquid candidate FeSc₂S₄: Influence of Fe off-stoichiometry. *Physical Review B*, **2017**, 96, 3.3 6

710	Dielectric properties of complex magnetic field induced states in PbCuSO(OH). <i>Scientific Reports</i> , 2017 , 7, 4460	4.9	1
709	Electromagnetic-radiation absorption by water. <i>Physical Review E</i> , 2017 , 96, 062607	2.4	38
708	Complex nature of magnetic field induced ferroelectricity in GdCrTiO ₅ . <i>Physical Review B</i> , 2017 , 96,	3.3	12
707	Magnetic Excitations and Continuum of a Possibly Field-Induced Quantum Spin Liquid in RuCl_3 . <i>Physical Review Letters</i> , 2017 , 119, 227202	7.4	94
706	Comparing the Pressure-Induced Structural Behavior of CuCr ₂ O ₄ and CuCr ₂ Se ₄ Spinel. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16513-16520	3.8	8
705	Berezinskii-Kosterlitz-Thouless type scenario in the molecular spin liquid ACr ₂ O ₄ (A=Mg,Zn,Cd). <i>Physical Review B</i> , 2017 , 95,	3.3	12
704	On the multiferroic skyrmion-host GaV ₄ S ₈ . <i>Philosophical Magazine</i> , 2017 , 97, 3428-3445	1.6	32
703	Spiral spin-liquid and the emergence of a vortex-like state in MnSc ₂ S ₄ . <i>Nature Physics</i> , 2017 , 13, 157-161	16.2	47
702	Pressure effect on superconductivity in FeSe _{0.5} Te _{0.5} . <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1600161	1.3	6
701	Pseudo-Goldstone Magnons in the Frustrated S=3/2 Heisenberg Helimagnet ZnCr ₂ Se ₄ with a Pyrochlore Magnetic Sublattice. <i>Physical Review X</i> , 2017 , 7,	9.1	11
700	Multiferroic Hysteresis Loop. <i>Materials</i> , 2017 , 10,	3.5	6
699	Lattice modes and the Jahn-Teller ferroelectric transition of GaV ₄ S ₈ . <i>Physical Review B</i> , 2016 , 94,	3.3	27
698	From confined spinons to emergent fermions: Observation of elementary magnetic excitations in a transverse-field Ising chain. <i>Physical Review B</i> , 2016 , 94,	3.3	20
697	Kondo-type behavior of the Ru ⁴⁺ lattice in LaCu ₃ Ru ₄ O ₁₂ . <i>Physical Review B</i> , 2016 , 93,	3.3	4
696	Electromagnons, magnons, and phonons in Eu _{1-x} HoxMnO ₃ . <i>Physical Review B</i> , 2016 , 93,	3.3	2
695	Structural transition in the magnetoelectric ZnCr ₂ Se ₄ spinel under pressure. <i>Physical Review B</i> , 2016 , 93,	3.3	12
694	Influence of the FFLO-like state on the upper critical field of a superconductor/ferromagnet bilayer: Angular and temperature dependence. <i>Physical Review B</i> , 2016 , 93,	3.3	7
693	Field-Induced Magnonic Liquid in the 3D Spin-Dimerized Antiferromagnet Sr ₃ Cr ₂ O ₈ . <i>Physical Review Letters</i> , 2016 , 116, 147201	7.4	9

692	Tuning orbital-selective correlations in superconducting $\text{Rb}_{0.75}\text{Fe}_{1.6}\text{Se}_2$. <i>Physical Review B</i> , 2016 , 93,	3.3	5
691	Magnetic properties of the covalent chain antiferromagnet RbFeSe_2 . <i>Physical Review B</i> , 2016 , 94,	3.3	19
690	Nonlinear dielectric spectroscopy in a fragile plastic crystal. <i>Journal of Chemical Physics</i> , 2016 , 144, 114509	3.3	21
689	Fifth-order susceptibility unveils growth of thermodynamic amorphous order in glass-formers. <i>Science</i> , 2016 , 352, 1308-11	33.3	134
688	$[\text{Co}_5\text{Tp}_4(\text{Me}_2\text{bta})_6]$: A Highly Symmetrical Pentanuclear Kuratowski Complex Featuring Tris(pyrazolyl)borate and Benzotriazolate Ligands. <i>Inorganic Chemistry</i> , 2016 , 55, 1053-60	5.1	6
687	Molecular probe dynamics and free volume in organic glass-formers and their relationships to structural relaxation: 1-propanol. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 015101	1.8	10
686	Effect of adding nanometre-sized heterogeneities on the structural dynamics and the excess wing of a molecular glass former. <i>Scientific Reports</i> , 2016 , 6, 35034	4.9	10
685	Electron spin resonance insight into broadband absorption of the $\text{Cu}_3\text{Bi}(\text{SeO}_3)_2\text{O}_2\text{Br}$ metamagnet. <i>AIP Advances</i> , 2016 , 6, 056210	1.5	11
684	Structural, magnetic, electric, dielectric, and thermodynamic properties of multiferroic GeV_4S_8 . <i>Physical Review B</i> , 2016 , 94,	3.3	14
683	Pressure-induced phase transitions in the CdCr_2Se_4 spinel. <i>Physical Review B</i> , 2016 , 94,	3.3	13
682	Magnetic phase diagram of the helimagnetic spinel compound ZnCr_2Se_4 revisited by small-angle neutron scattering. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 146001	1.8	9
681	Impact of water on the charge transport of a glass-forming ionic liquid. <i>Journal of Molecular Liquids</i> , 2016 , 223, 635-642	6	14
680	Skyrmion dynamics under uniaxial anisotropy. <i>Physical Review B</i> , 2016 , 94,	3.3	40
679	Novel phase transition and metastable regions in the frustrated magnet CdCr_2O_4 . <i>Physical Review B</i> , 2015 , 91,	3.3	12
678	Spin probe dynamics of n-hexadecane in confined geometry. <i>European Physical Journal B</i> , 2015 , 88, 1	1.2	5
677	Excess wing in glass-forming glycerol and LiCl -glycerol mixtures detected by neutron scattering. <i>European Physical Journal E</i> , 2015 , 38, 1	1.5	39
676	Oscillation of the multiferroic/ferroelectric $\text{GdMnO}_3/\text{SrTiO}_3$ and $\text{YbMnO}_3/\text{SrTiO}_3$ interfaces in the EPR spectrum. <i>Low Temperature Physics</i> , 2015 , 41, 43-46	0.7	
675	Cooperativity and heterogeneity in plastic crystals studied by nonlinear dielectric spectroscopy. <i>Physical Review Letters</i> , 2015 , 114, 067601	7.4	24

674	Spin-orbital and quantum criticality in FeSc ₂ S ₄ . <i>Physical Review B</i> , 2015 , 91,	3.3	22
673	Spinon confinement in the one-dimensional Ising-like antiferromagnet SrCo ₂ V ₂ O ₈ . <i>Physical Review B</i> , 2015 , 91,	3.3	32
672	Heavy fermions, metal-to-insulator transition, and quantum criticality in La _y Cu ₃ Ru _x Ti ₄ O ₁₂ . <i>European Physical Journal: Special Topics</i> , 2015 , 224, 1061-1086	2.3	2
671	Evidence for orbital order and its relation to superconductivity in FeSe _{0.4} Te _{0.6} . <i>Science Advances</i> , 2015 , 1, e1500206	14.3	23
670	Communication: Conductivity enhancement in plastic-crystalline solid-state electrolytes. <i>Journal of Chemical Physics</i> , 2015 , 143, 081101	3.9	22
669	Dielectric spectroscopy on organic charge-transfer salts. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 373001	1.8	24
668	Néel-type skyrmion lattice with confined orientation in the polar magnetic semiconductor GaV ₄ S ₈ . <i>Nature Materials</i> , 2015 , 14, 1116-22	27	386
667	Nonlinear dielectric response of Debye, τ and τ relaxation in 1-propanol. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 66-71	3.9	17
666	Magnetic heating properties and neutron activation of tungsten-oxide coated biocompatible FePt core-shell nanoparticles. <i>Journal of Controlled Release</i> , 2015 , 197, 131-7	11.7	28
665	Crystal structure, incommensurate magnetic order, and ferroelectricity in Mn _{1-x} Cu _x WO ₄ (0 \leq x \leq 0.19). <i>Physical Review B</i> , 2015 , 91,	3.3	11
664	Ferroelectric properties of charge-ordered Ba(BEDT \cdot TF) ₂ I ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	27
663	Pressure-induced transition in the multiferroic CoCr ₂ O ₄ spinel. <i>Physical Review B</i> , 2015 , 92,	3.3	26
662	Dynamics of protein hydration water. <i>Physical Review E</i> , 2015 , 92, 032727	2.4	7
661	Polar Dynamics at the Jahn-Teller Transition in Ferroelectric GaV ₄ S ₈ . <i>Physical Review Letters</i> , 2015 , 115, 207601	7.4	36
660	Importance of liquid fragility for energy applications of ionic liquids. <i>Scientific Reports</i> , 2015 , 5, 13922	4.9	75
659	Metal-organic frameworks as host materials of confined supercooled liquids. <i>Journal of Chemical Physics</i> , 2015 , 143, 154505	3.9	14
658	Magnetoelectric effects in the skyrmion host material Cu ₂ OSeO ₃ . <i>Scientific Reports</i> , 2015 , 5, 15025	4.9	23
657	Compact turnkey focussing neutron guide system for inelastic scattering investigations. <i>Applied Physics Letters</i> , 2015 , 107, 253505	3.4	4

656	Controllable Broadband Absorption in the Mixed Phase of Metamagnets. <i>Advanced Functional Materials</i> , 2015 , 25, 3634-3640	15.6	12
655	Valence properties of Cu and Ru in titanium-substituted $\text{LnCu}_3\text{Ru}_4\text{O}_{12}$ (Ln = La, Pr, Nd) investigated by XANES and TGA. <i>Dalton Transactions</i> , 2015 , 44, 10852-9	4.3	15
654	Singlet-Triplet Excitations and Long-Range Entanglement in the Spin-Orbital Liquid Candidate FeSc_2S_4 . <i>Physical Review Letters</i> , 2015 , 114, 207201	7.4	28
653	Multiferroicity and skyrmions carrying electric polarization in GaV_4S_8 . <i>Science Advances</i> , 2015 , 1, e1500916	16.3	100
652	Dielectric characterization of a nonlinear optical material. <i>Scientific Reports</i> , 2014 , 4, 6020	4.9	10
651	Pressurizing the HgCr_2Se_4 spinel at room temperature. <i>Applied Physics Letters</i> , 2014 , 104, 011911	3.4	10
650	Dielectric Relaxation Processes, Electronic Structure, and Band Gap Engineering of MFU-4-type Metal-Organic Frameworks: Towards a Rational Design of Semiconducting Microporous Materials. <i>Advanced Functional Materials</i> , 2014 , 24, 3885-3896	15.6	86
649	Orbital-selective metal-insulator transition and gap formation above TC in superconducting $\text{Rb}_{1-x}\text{Fe}_{2-y}\text{Se}_2$. <i>Nature Communications</i> , 2014 , 5, 3202	17.4	33
648	Ultrasound study of FeCr_2S_4 in high magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 486008	0.8	3
647	Dielectric properties and electrical switching behaviour of the spin-driven multiferroic LiCuVO_4 . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 485901	1.8	10
646	ESR evidence for partial melting of the orbital order in LaMnO_3 below the Jahn-Teller transition. <i>Physical Review B</i> , 2014 , 90,	3.3	4
645	Magnetic microscopy. Real-space imaging of the atomic-scale magnetic structure of Fe_{1+y}Te . <i>Science</i> , 2014 , 345, 653-6	33.3	61
644	Multiferroicity in the Mott Insulating Charge-Transfer Salt $\kappa\text{-BEDT-TTF}_2\text{Cu}(\text{CN})_2$. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-7	2	10
643	High-field electron spin resonance spectroscopy of singlet-triplet transitions in the spin-dimer systems $\text{Sr}_3\text{Cr}_2\text{O}_8$ and $\text{Ba}_3\text{Cr}_2\text{O}_8$. <i>Physical Review B</i> , 2014 , 89,	3.3	7
642	A BR 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	2
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