

Michael Krisch

List of Publications by Year in descending order

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253
papers

11,379
citations

22099

59
h-index

38300

95
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256
all docs

256
docs citations

256
times ranked

10221
citing authors

#	ARTICLE	IF	CITATIONS
1	Unexpected Benefits of Multipoint Synchrotron Microbeam Radiation Therapy for Brain Tumors. <i>Cancers</i> , 2021, 13, 936.	1.7	21
2	Transient and Efficient Vascular Permeability Window for Adjuvant Drug Delivery Triggered by Microbeam Radiation. <i>Cancers</i> , 2021, 13, 2103.	1.7	9
3	Technical advances in x-ray microbeam radiation therapy. <i>Physics in Medicine and Biology</i> , 2020, 65, 02TR01.	1.6	38
4	Effect of Lateral Sliding Calcaneus Osteotomy on Tarsal Tunnel Pressure. <i>Foot & Ankle Orthopaedics</i> , 2020, 5, 247301142093101.	0.1	3
5	Complete Remission of Mouse Melanoma after Temporally Fractionated Microbeam Radiotherapy. <i>Cancers</i> , 2020, 12, 2656.	1.7	20
6	A \mathbb{Z}_2 pseudospin continuum in CaIrO_3 . <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	2
7	A comparative dosimetry study of an alanine dosimeter with a PTW PinPoint chamber at ultra-high dose rates of synchrotron radiation. <i>Physica Medica</i> , 2020, 71, 161-167.	0.4	11
8	Synchrotron X-Ray Boost Delivered by Microbeam Radiation Therapy After Conventional X-Ray Therapy Fractionated in Time Improves F98 Glioma Control. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 360-369.	0.4	16
9	Resonant inelastic X-ray scattering of magnetic excitations under pressure. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 1725-1732.	1.0	8
10	Synchrotron Microbeam Radiation Therapy as a New Approach for the Treatment of Radioresistant Melanoma: Potential Underlying Mechanisms. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 1126-1136.	0.4	36
11	Film dosimetry studies for patient specific quality assurance in microbeam radiation therapy. <i>Physica Medica</i> , 2019, 65, 227-237.	0.4	15
12	High resolution radiochromic film dosimetry: Comparison of a microdensitometer and an optical microscope. <i>Physica Medica</i> , 2019, 65, 106-113.	0.4	17
13	Observation of heavy spin-orbit excitons propagating in a nonmagnetic background: The case of $\text{BaCu}_2\text{Si}_2\text{O}_7$. <i>Physical Review B</i> , 2018, 97, 114411.	1.1	29
14	A high-energy-resolution resonant inelastic X-ray scattering spectrometer at ID20 of the European Synchrotron Radiation Facility. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 580-591.	1.0	61
15	Critical scattering and incommensurate phase transition in antiferroelectric PbZrO_3 under pressure. <i>Scientific Reports</i> , 2017, 7, 41512.	1.6	43
16	A large-solid-angle X-ray Raman scattering spectrometer at ID20 of the European Synchrotron Radiation Facility. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 521-530.	1.0	76
17	Full Elasticity Tensor from Thermal Diffuse Scattering. <i>Physical Review Letters</i> , 2017, 118, 035502.	2.9	16
18	Inelastic X-ray scattering with very high resolution at the ESRF. <i>Crystallography Reports</i> , 2017, 62, 1-12.	0.1	18

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19	Nonadiabatic Kohn Anomaly in Heavily Boron-Doped Diamond. <i>Physical Review Letters</i> , 2017, 119, 017001.	2.9	36
20	Phonon triggered rhombohedral lattice distortion in vanadium at high pressure. <i>Scientific Reports</i> , 2016, 6, 31887.	1.6	13
21	A compact and versatile dynamic flow cryostat for photon science. <i>Review of Scientific Instruments</i> , 2016, 87, 115103.	0.6	16
22	Possible artifacts in inferring seismic properties from X-ray data. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 260, 14-19.	0.7	6
23	Persistent Paramagnons Deep in the Metallic Phase of Sr_2VO_4 . <i>Physical Review Letters</i> , 2016, 117, 107001.	2.9	68
24	Lattice dynamics of neodymium: Influence of Nd_4f_2 correlations. <i>Physical Review B</i> , 2016, 94, .	1.1	10
25	Formation of CaB_6 in the thermal decomposition of the hydrogen storage material $\text{Ca}(\text{BH}_4)_2$. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19866-19872.	1.3	14
26	Resonant X-ray emission with a standing wave excitation. <i>Scientific Reports</i> , 2016, 6, 22648.	1.6	2
27	Dynamical and elastic properties of MgSiO_3 perovskite (bridgmanite). <i>Geophysical Research Letters</i> , 2016, 43, 2568-2575.	1.5	15
28	Nonadiabatic effects in the phonon dispersion of MgB_2 . <i>Physical Review B</i> , 2016, 93, .	1.1	14
29	Lattice Dynamics of EuO : Evidence for Giant Spin-Phonon Coupling. <i>Physical Review Letters</i> , 2016, 116, 185501.	2.9	26
30	All-in All-Out Magnetic Order and Propagating Spin Waves in Sm_2O_7 . <i>Physical Review Letters</i> , 2016, 117, 037201.	2.9	17
31	Probing the thermal stability and the decomposition mechanism of a magnesium fullerene polymer via X-ray Raman spectroscopy, X-ray diffraction and molecular dynamics simulations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5366-5371.	1.3	7
32	In situ characterization of the decomposition behavior of $\text{Mg}(\text{BH}_4)_2$ by X-ray Raman scattering spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 5397-5403.	1.3	22
33	Lattice dynamics and elastic properties from thermal diffuse scattering. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s80-s81.	0.0	0
34	In-between Bragg reflections: thermal diffuse scattering and vibrational spectroscopy with x-rays. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 504003.	1.3	16
35	Absence of superconductivity in fluorine-doped neptunium pnictide NpFeAsO . <i>Journal of Physics Condensed Matter</i> , 2015, 27, 325702.	0.7	7
36	Evidence of quantum dimer excitations in Sr_3O_7 . <i>Physical Review B</i> , 2015, 92, .	1.1	44

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37	Lattice dynamics of $\hat{\Gamma}_{\pm}$ -cristobalite and the Boson peak in silica glass. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 305401.	0.7	18
38	Toward a mineral physics reference model for the Moon's core. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3916-3919.	3.3	62
39	Planning, performing and analyzing X-ray Raman scattering experiments. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 400-409.	1.0	82
40	Direct evidence for dominant bond-directional interactions in a honeycomb lattice iridate Na_2IrO_3 . <i>Nature Physics</i> , 2015, 11, 462-466.	6.5	321
41	Lattice dynamics in the paraelectric phase of PbHfO_3 studied by inelastic x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 335901.	0.7	15
42	A miniature closed-circle flow cell for high photon flux X-ray scattering experiments. <i>Journal of Synchrotron Radiation</i> , 2015, 22, 1555-1558.	1.0	12
43	Diffuse scattering in Ih ice. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 265401.	0.7	15
44	A Spin-Orbit Mott Insulator Beyond the CaIrO_3 . <i>Physical Review Letters</i> , 2014, 112, 176402.	2.9	70
45	Short-Range Correlations in Magnetite above the Verwey Temperature. <i>Physical Review X</i> , 2014, 4, .	2.8	36
46	Crystal field splitting in $\text{Sr}_{n+1}\text{Ir}_n\text{O}_{3n+1}$ ($n=1,2$) iridates probed by x-ray Raman spectroscopy. <i>Physical Review B</i> , 2014, 90, .	1.1	21
47	Diffuse scattering in metallic tin polymorphs. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 115401.	0.7	10
48	Role of Disorder in the Thermodynamics and Atomic Dynamics of Glasses. <i>Physical Review Letters</i> , 2014, 112, 025502.	2.9	125
49	Design-based stereology: Planning, volumetry and sampling are crucial steps for a successful study. <i>Annals of Anatomy</i> , 2014, 196, 3-11.	1.0	81
50	Inelastic X-ray scattering in $\text{YBa}_2\text{Cu}_3\text{O}_{6.6}$ reveals giant phonon anomalies and elastic central peak due to charge-density-wave formation. <i>Nature Physics</i> , 2014, 10, 52-58.	6.5	237
51	Improving the energy resolution of bent crystal X-ray spectrometers with position-sensitive detectors. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 762-767.	1.0	28
52	Suppression of thermal conductivity by rattling modes in thermoelectric sodium cobaltate. <i>Nature Materials</i> , 2013, 12, 1028-1032.	13.3	163
53	Dynamical Crossover at the Liquid-Liquid Transformation of a Compressed Molten Alkali Metal. <i>Physical Review Letters</i> , 2013, 111, 077801.	2.9	28
54	Dynamics and Thermodynamics beyond the critical point. <i>Scientific Reports</i> , 2013, 3, 1203.	1.6	69

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55	Lattice dynamics of multiferroic BiFeO ₃ studied by inelastic x-ray scattering. Journal of Physics Condensed Matter, 2013, 25, 102201.	0.7	23
56	Anharmonicity due to Electron-Phonon Coupling in Magnetite. Physical Review Letters, 2013, 110, 207204.	2.9	42
57	Lattice dynamics of coesite. Journal of Physics Condensed Matter, 2013, 25, 275401.	0.7	3
58	Phonon anomalies and lattice dynamics in the superconducting oxychlorides Ca _{2-x} CuO ₂ Cl ₂ . Physical Review B, 2013, 88, .	1.1	13
59	Science under Extreme Conditions of Pressures and Temperatures at the ESRF. Synchrotron Radiation News, 2013, 26, 39-44.	0.2	5
60	Acoustic-like dynamics of amorphous drugs in the THz regime. Scientific Reports, 2013, 3, 2518.	1.6	12
61	Lattice Dynamics and Superconductivity in Cerium at High Pressure. Physical Review Letters, 2012, 108, 045502.	2.9	33
62	Diffuse scattering in relaxor ferroelectrics: true three-dimensional mapping, experimental artefacts and modelling. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, 117-123.	0.3	74
63	New insights into the lattice dynamics of α -quartz. Zeitschrift für Kristallographie, 2012, 227, 84-91.	1.1	20
64	Inelastic X-ray scattering: phonon spectroscopy under the extreme conditions. Acta Crystallographica Section A: Foundations and Advances, 2012, 68, s97-s97.	0.3	0
65	Vibrational dynamics of the mixed selenites $M_1M_2Sb_4O_{14}$. Physical Review Letters, 2011, 107, 086402.	1.1	33
66	Vibrational dynamics and surface structure of amorphous selenium. Nature Communications, 2011, 2, 195.	5.8	32
67	Plasmons in Sodium under Pressure: Increasing Departure from Nearly Free-Electron Behavior. Physical Review Letters, 2011, 107, 086402.	2.9	21
68	Spin Crossover in Ferropicriase at High Pressure: A Seismologically Transparent Transition?. Science, 2011, 331, 64-67.	6.0	118
69	Phonons of the anomalous element cerium. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9342-9345.	3.3	47
70	InN Thin Film Lattice Dynamics by Grazing Incidence Inelastic X-Ray Scattering. Physical Review Letters, 2011, 106, 205501.	2.9	41
71	Soft antiferroelectric fluctuations in morphotropic PbZr _{1-x} Ti _x O ₃ single crystals as evidenced by inelastic x-ray scattering. Physical Review B, 2011, 83, .	1.1	32
72	Inelastic X-ray scattering investigations of lattice dynamics in SmFeAsO _{1-x} F superconductors. Journal of Physics and Chemistry of Solids, 2011, 72, 523-526.	1.9	3

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73	High-frequency dynamics in the near-surface region studied by inelastic x-ray scattering: the case of liquid indium. <i>New Journal of Physics</i> , 2011, 13, 023021.	1.2	24
74	Pressure behavior of the sound velocity of liquid water at room temperature in the terahertz regime. <i>Physical Review B</i> , 2011, 84, .	1.1	6
75	Understanding the Complex Phase Diagram of Uranium: The Role of Electron-Phonon Coupling. <i>Physical Review Letters</i> , 2011, 107, 136401.	2.9	47
76	Influence of deuteration on lithium acetate dihydrate studied by inelastic X-ray scattering, density functional theory, thermal expansion, elastic and thermodynamic measurements. <i>Dalton Transactions</i> , 2011, 40, 1737.	1.6	3
77	A new model of correlated disorder in relaxor ferroelectrics. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C78-C78.	0.3	2
78	Pressure dependence of phonon modes across the tetragonal to collapsed-tetragonal phase transition in CaFe_2As_2 . <i>Physical Review B</i> , 2010, 81, .	1.1	14
79	Symmetry of platelet defects in diamond: new insights with synchrotron light. <i>Acta Crystallographica Section B: Structural Science</i> , 2010, 66, 493-496.	1.8	2
80	The Widom line as the crossover between liquid-like and gas-like behaviour in supercritical fluids. <i>Nature Physics</i> , 2010, 6, 503-507.	6.5	418
81	Measurement of strong phonon softening in Cr with and without Fermi-surface nesting by inelastic x-ray scattering. <i>Physical Review B</i> , 2010, 82, .	1.1	25
82	Phonon dispersion relations of zinc oxide: Inelastic neutron scattering and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2010, 81, .	1.1	85
83	High frequency dynamics of BMG determined by synchrotron radiation: A microscopic picture. <i>Journal of Alloys and Compounds</i> , 2010, 495, 319-322.	2.8	4
84	Lattice dynamics of multiferroic BiFeO_3 . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s167-s167.	0.3	0
85	Inelastic x-ray scattering study of superconducting SmFeAsO crystals: Evidence for strong momentum-dependent doping-induced renormalizations of optical phonons. <i>Physical Review B</i> , 2009, 80, .	1.1	1
86	Inelastic x-ray scattering from high pressure fluids in a diamond anvil cell. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	14
87	Hydration Dynamics at Femtosecond Time Scales and Angstrom Length Scales from Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2009, 103, 237402.	2.9	16
88	Giant Kohn Anomaly and the Phase Transition in Charge Density Wave ZrTe_3 . <i>Physical Review Letters</i> , 2009, 102, 086402.	2.9	71
89	High frequency dynamics in liquids and supercritical fluids: A comparative inelastic x-ray scattering study. <i>Journal of Chemical Physics</i> , 2009, 130, 064501.	1.2	31
90	Phonon spectroscopy at high pressure by inelastic X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 707-713.	1.0	6

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91	Single-crystal elastic constants of the zeolite analcime measured by inelastic X-ray scattering. Chemical Physics Letters, 2009, 471, 286-289.	1.2	9
92	Phonon surface mapping of graphite: Disentangling quasi-degenerate phonon dispersions. Physical Review B, 2009, 80, .	1.1	83
93	3D Imaging of the Fermi Surface by Thermal Diffuse Scattering. Physical Review Letters, 2009, 103, 076403.	2.9	14
94	Single-crystal lattice dynamics derived from polycrystalline inelastic x-ray scattering spectra. Physical Review B, 2009, 79, .	1.1	14
95	Lattice dynamics of stishovite from powder inelastic X-ray scattering. Geophysical Research Letters, 2009, 36, .	1.5	18
96	High-pressure anelastic behaviour of FeO. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s126-s126.	0.3	0
97	DuMond analysis of bending in single crystals by Laue diffraction using σ polarization geometry. Journal of Applied Crystallography, 2008, 41, 1053-1056.	1.9	1
98	Anisotropic Elastic Properties of Cellulose Measured Using Inelastic X-ray Scattering. Macromolecules, 2008, 41, 9755-9759.	2.2	207
99	Phonon density of states in NdFeAsO $_{1-x}$ F $_x$. Physical Review B, 2008, 78, .	1.1	41
100	Bond Stretching Phonon Softening and Kinks in the Angle-Resolved Photoemission Spectra of Optimally Doped $\text{Bi}_2\text{Co}_6\text{O}_{12}$. Physical Review Letters, 2008, 100, 227002.	2.9	86
101	X-Ray Raman Spectroscopic Study of Water in the Condensed Phases. Physical Review Letters, 2008, 100, 095502.	2.9	86
102	Investigating surface dynamics with inelastic x-ray scattering. Journal of Physics Condensed Matter, 2008, 20, 224001.	0.7	9
103	Sharp optical-phonon softening near optimal doping in $\text{La}_2\text{Ba}_x\text{CuO}_4$ observed via inelastic x-ray scattering. Physical Review B, 2008, 78, .	1.1	26
104	Lattice dynamics of skutterudites: Inelastic x-ray scattering on CoSb_3 . Physical Review B, 2008, 77, .	1.1	41
105	Lattice dynamics of beryllium oxide: Inelastic x-ray scattering and <i>ab initio</i> calculations. Physical Review B, 2008, 77, .	1.1	40
106	Anomalous pressure evolution of the axial ratio c/a in hcp cobalt: Interplay between structure, magnetism, and lattice dynamics. Applied Physics Letters, 2008, 92, .	1.5	31
107	Anelasticity of FeO at high pressure. Applied Physics Letters, 2008, 93, 034106.	1.5	7
108	Energy calibration of a high-resolution inelastic x-ray scattering spectrometer. Review of Scientific Instruments, 2008, 79, 083902.	0.6	13

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109	Large carbon-isotope shift of TC in boron-doped diamond. Applied Physics Letters, 2008, 92, .	1.5	18
110	Dispersion Relation of an OH-Stretching Vibration from Inelastic X-Ray Scattering. Physical Review Letters, 2008, 101, 065501.	2.9	19
111	Elasticity of Hexagonal-Closed-Packed Cobalt at High Pressure and Temperature: A Quasiharmonic Case. Physical Review Letters, 2008, 100, 085501.	2.9	33
112	Lattice dynamics of vanadium: Inelastic x-ray scattering measurements. Physical Review B, 2008, 78, .	1.1	24
113	Long-wavelength dispersion of transverse acoustic phonons in untwinned YBa ₂ Cu ₃ O _{7-δ} single crystals. Physical Review B, 2007, 75, .	1.1	2
114	Inelastic x-ray scattering from polycrystalline materials at low momentum transfer. Physical Review B, 2007, 75, .	1.1	28
115	Inelastic x-ray scattering from phonons under multibeam conditions. Physical Review B, 2007, 75, .	1.1	5
116	Structural and Collisional Relaxations in Liquids and Supercritical Fluids. Physical Review Letters, 2007, 98, 085501.	2.9	29
117	High-Frequency Subsurface and Bulk Dynamics of Liquid Indium. Physical Review Letters, 2007, 98, 096104.	2.9	17
118	Vibrational Properties of Hexagonal Boron Nitride: Inelastic X-Ray Scattering and Ab Initio Calculations. Physical Review Letters, 2007, 98, 095503.	2.9	190
119	Lattice Dynamics of Incommensurate Composite Rb-IV and a Realization of the Monatomic Linear Chain Model. Physical Review Letters, 2007, 99, 035501.	2.9	19
120	High-frequency dynamics of liquid and supercritical water. Physical Review E, 2007, 75, 051202.	0.8	32
121	In-plane copper-oxygen bond-stretching mode anomaly in underdoped La _{2-x} Sr _x CuO ₄ measured with high-resolution inelastic x-ray scattering. Physical Review B, 2007, 76, .	1.1	14
122	Sound wave velocities of fcc Fe-Ni alloy at high pressure and temperature by mean of inelastic X-ray scattering. Physics of the Earth and Planetary Interiors, 2007, 164, 83-89.	0.7	57
123	Probing the Coulomb interaction of PuCoGa ₅ by phonon spectroscopy. Journal of Alloys and Compounds, 2007, 444-445, 104-108.	2.8	3
124	Weak anharmonic effects in MgB ₂ : A comparative inelastic x-ray scattering and Raman study. Physical Review B, 2007, 75, .	1.1	41
125	High-frequency dynamics of liquid and supercritical nitrogen. Philosophical Magazine, 2007, 87, 665-671.	0.7	2
126	Elasticity of single-crystalline graphite: Inelastic x-ray scattering study. Physical Review B, 2007, 75, .	1.1	264

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127	The phonon dispersion of wurtzite-ZnO revisited. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 1478-1482.	0.7	17
128	Phonon dispersion of graphite by inelastic x-ray scattering. <i>Physical Review B</i> , 2007, 76, .	1.1	381
129	Liquidlike Behavior of Supercritical Fluids. <i>Physical Review Letters</i> , 2006, 97, 245702.	2.9	98
130	Elasticity of hexagonal boron nitride: Inelastic x-ray scattering measurements. <i>Physical Review B</i> , 2006, 73, .	1.1	230
131	Lattice Dynamics of Molybdenum at High Pressure. <i>Physical Review Letters</i> , 2006, 96, 115502.	2.9	38
132	Inelastic X-Ray Scattering from Phonons. , 2006, , 317-370.		22
133	Phonon dispersion of oriented DNA by inelastic x-ray scattering. <i>Physical Review E</i> , 2006, 73, 061909.	0.8	39
134	Measuring the speed of sound in an iron-nickel alloy at high pressure by inelastic X-ray scattering. <i>Doklady Physics</i> , 2006, 51, 584-587.	0.2	0
135	Lattice dynamics of tetrahedrally bonded boron nitride probed by inelastic X-ray scattering. <i>Radiation Physics and Chemistry</i> , 2006, 75, 1661-1665.	1.4	4
136	Phonons in SiC from INS, IXS, and Ab-Initio Calculations. <i>Materials Science Forum</i> , 2006, 527-529, 689-694.	0.3	9
137	Signatures of Short-Range Many-Body Effects in the Dielectric Function of Silicon for Finite Momentum Transfer. <i>Physical Review Letters</i> , 2006, 97, 237602.	2.9	40
138	Probing the Coulomb Interaction of the Unconventional Superconductor PuCoGa5 by Phonon Spectroscopy. <i>Physical Review Letters</i> , 2006, 96, 237003.	2.9	30
139	Lattice Dynamics of MgO at High Pressure: Theory and Experiment. <i>Physical Review Letters</i> , 2006, 96, 035507.	2.9	32
140	Adiabatic and isothermal sound waves: The case of supercritical nitrogen. <i>Europhysics Letters</i> , 2006, 75, 70-76.	0.7	34
141	Phonon softening in Na _x CoO ₂ ·yH ₂ O: Implications for the Fermi surface topology and the superconducting state. <i>Physical Review B</i> , 2006, 74, .	1.1	19
142	Counterions between charged polymers exhibit liquid-like organization and dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7962-7967.	3.3	66
143	Sound wave velocities of Fe-Ni alloy at high pressure and temperature. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s259-s259.	0.3	0
144	Advances in crystal analyzers for inelastic X-ray scattering. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 2299-2305.	1.9	57

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145	Probing vibrational excitations in molecular crystals by inelastic scattering: From neutrons to X-rays. <i>Chemical Physics</i> , 2005, 317, 153-158.	0.9	9
146	High-frequency longitudinal and transverse dynamics in water. <i>Physical Review E</i> , 2005, 71, 011501.	0.8	106
147	Aggregate and single-crystalline elasticity of hcp cobalt at high pressure. <i>Physical Review B</i> , 2005, 72, .	1.1	59
148	Phonon density of states probed by inelastic x-ray scattering. <i>Physical Review B</i> , 2005, 72, .	1.1	79
149	Elastic properties of methane hydrate at high pressures. <i>Physical Review B</i> , 2005, 72, .	1.1	17
150	Crystal dynamics of fcc Pu-Ga alloy by high-resolution inelastic x-ray scattering. <i>Physical Review B</i> , 2005, 72, .	1.1	40
151	Phonon Modes at the $2H \times 2H \times 2H$ Surface Observed by Grazing Incidence Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2005, 95, 256104.	2.9	38
152	Intensity distribution of the eight-beam case of the Si-888 reflection in backscattering geometry. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2004, 219, .	0.4	4
153	Elasticity of Cobalt at High Pressure Studied by Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2004, 93, 215505.	2.9	56
154	Inelastic x-ray scattering study of charge-density-wave dynamics in the $Rb_{0.3}MoO_3$ blue bronze. <i>Physical Review B</i> , 2004, 69, .	1.1	24
155	High-frequency transverse-like excitations in glassy glycerol. <i>Philosophical Magazine</i> , 2004, 84, 1453-1461.	0.7	5
156	Elastic anisotropy in textured hcp-iron to 112 GPa from sound wave propagation measurements. <i>Earth and Planetary Science Letters</i> , 2004, 225, 243-251.	1.8	120
157	Application of inelastic X-ray scattering to the measurements of acoustic wave velocities in geophysical materials at very high pressure. <i>Physics of the Earth and Planetary Interiors</i> , 2004, 143-144, 5-18.	0.7	43
158	Phonon dispersion curve of icosahedral $Mg_{13}Zn_{10}Y$ quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 2004, 334-335, 207-209.	1.5	6
159	Status of phonon studies at high pressure by inelastic x-ray scattering. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 628-632.	1.2	35
160	Phonon Dispersion and Lifetimes in MgB_2 . <i>Physical Review Letters</i> , 2003, 90, 095506.	2.9	139
161	Phonon dispersion in the one-layer cuprate $HgBa_2CuO_4 + \delta$. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 8827-8836.	0.7	17
162	Phonon Dispersions of fcc δ -Plutonium-Gallium by Inelastic X-ray Scattering. <i>Science</i> , 2003, 301, 1078-1080.	6.0	164

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163	Probing Phonons in Plutonium. Materials Research Society Symposia Proceedings, 2003, 802, 39.	0.1	1
164	High-frequency transverse dynamics in glasses. Journal of Physics Condensed Matter, 2003, 15, S1269-S1278.	0.7	28
165	Lattice dynamics of methane and xenon hydrate: Observation of symmetry-avoided crossing by experiment and theory. Physical Review B, 2003, 68, .	1.1	74
166	Inelastic x-ray scattering from stretch-oriented polyethylene. Journal of Chemical Physics, 2003, 119, 1879-1884.	1.2	2
167	ELECTRON-PHONON INTERACTION IN N-DOPED CUPRATES: AN INELASTIC X-RAY SCATTERING STUDY. International Journal of Modern Physics B, 2003, 17, 484-492.	1.0	12
168	Inelastic X-Ray scattering in cs under pressure. High Pressure Research, 2003, 23, 1-5.	0.4	1
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