

Lars O L BÃ¶rjesson

List of Publications by Year in descending order

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38742

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252
all docs

252
docs citations

252
times ranked

8429
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopy of Single Hemoglobin Molecules by Surface Enhanced Raman Scattering. Physical Review Letters, 1999, 83, 4357-4360.	7.8	2,270
2	Accelerating effects of colloidal nano-silica for beneficial calcium silicate hydrate formation in cement. Chemical Physics Letters, 2004, 392, 242-248.	2.6	530
3	Quantifying glass transition behavior in ultrathin free-standing polymer films. Physical Review E, 2000, 62, 5187-5200.	2.1	316
4	Correlation between Free Volume and Ionic Conductivity in Fast Ion Conducting Glasses. Physical Review Letters, 1996, 77, 3569-3572.	7.8	179
5	Structural and magnetic properties of isovalently substituted multiferroic BiFeO ₃ : Insights from Raman spectroscopy. Physical Review B, 2012, 86, .	3.2	175
6	Structure and Ionic Conduction in (AgI) _x (AgPO ₃) _{1-x} Glasses. Physical Review Letters, 1995, 74, 726-729.	7.8	162
7	Structural changes of B ₂ O ₃ through the liquid-glass transition range: A Raman-scattering study. Physical Review B, 1992, 45, 12797-12805.	3.2	141
8	Using adhesion to probe viscoelasticity of polymer film surfaces: A quartz crystal microbalance study. European Physical Journal E, 2002, 8, 129-136.	1.6	130
9	Conformational evolution of TFSI ⁻ in protic and aprotic ionic liquids. Journal of Raman Spectroscopy, 2011, 42, 522-528.	2.5	119
10	Raman spectroscopy of CaMnO ₃ : Mode assignment and relationship between Raman line intensities and structural distortions. Physical Review B, 2002, 65, .	3.2	118
11	Phase Behavior and Ionic Conductivity in Lithium Bis(trifluoromethanesulfonyl)imide-Doped Ionic Liquids of the Pyrrolidinium Cation and Bis(trifluoromethanesulfonyl)imide Anion. Journal of Physical Chemistry B, 2009, 113, 11247-11251.	2.6	107
12	Relaxational and vibrational dynamics in the glass-transition range of a strong glass former B ₂ O ₃ . Physical Review B, 1996, 53, 11511-11520.	3.2	99
13	Random ion distribution model: A structural approach to the mixed-alkali effect in glasses. Physical Review B, 2001, 63, .	3.2	99
14	Physical Properties of Proton Conducting Membranes Based on a Protic Ionic Liquid. Journal of Physical Chemistry B, 2007, 111, 12462-12467.	2.6	99
15	Ion pairing in polymer electrolytes; A comparative Raman study of NaCF ₃ SO ₃ complexed in poly(propylene-glycol) and dissolved in acetonitrile. Solid State Ionics, 1988, 28-30, 1047-1053.	2.7	97
16	Raman-active phonons in Bi ₂ Sr ₂ Ca _{1-x} Y _x Cu ₂ O _{8+d} (x=0-1): Effects of hole filling and internal pressure induced by Y doping for Ca, and implications for phonon assignments. Physical Review B, 1996, 53, 11796-11806.	3.2	95
17	Polymerized complex synthesis and intergranular coupling of BiPbSrCaCuO superconductors characterized by complex magnetic susceptibility. Journal of Applied Physics, 1992, 71, 3904-3910.	2.5	90
18	Structure of borate glasses from neutron-diffraction experiments. Physical Review B, 1995, 52, 9310-9319.	3.2	85

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19	Sound waves and other modes in the strong glass former B ₂ O ₃ . Physical Review B, 1998, 58, 9087-9097.	3.2	83
20	Formation of Silicon Structures by Plasma-Activated Wafer Bonding. Journal of the Electrochemical Society, 2000, 147, 2693.	2.9	82
21	Charge-transfer and compression effects of isomorphous substitutions in YBa ₂ Cu ₃ O ₇ . Physical Review B, 1993, 47, 5359-5366.	3.2	81
22	Neutron and light scattering study of relaxation dynamics in a glass-forming fragile molecular liquid. Chemical Physics, 1990, 149, 209-220.	1.9	78
23	Structure of mixed alkali/alkaline-earth silicate glasses from neutron diffraction and vibrational spectroscopy. Physical Review B, 2005, 72, .	3.2	77
24	Evidence of anomalous intermediate-range ordering in superionic borate glasses from neutron diffraction. Physical Review B, 1989, 39, 3404-3407.	3.2	76
25	Two-step relaxation decay in a strong glass former. Physical Review Letters, 1993, 71, 2260-2263.	7.8	76
26	The boson peak in glass formers of increasing fragility. Journal of Non-Crystalline Solids, 1994, 172-174, 154-160.	3.1	76
27	Chain-Length-Dependent Relaxation Scenarios in an Oligomeric Glass-Forming System: From Merged to Well-Separated Loss Peaks. Physical Review Letters, 2003, 90, 075702.	7.8	75
28	Short-Range Structure of Proton-Conducting Perovskite Ba _{1-x} Zr _{1-x} O _{3-2x} (x = 0-0.75). Chemistry of Materials, 2008, 20, 3480-3486.	6.7	75
29	Is there a correlation between the first sharp diffraction peak and the low frequency vibrational behavior of glasses?. Physical Review Letters, 1993, 70, 1275-1278.	7.8	73
30	Dielectric study of supercooled 2D water in a vermiculite clay. Journal of Chemical Physics, 2000, 113, 357-363.	3.0	72
31	Dynamics of silver ions in (Ag _{1-x} (Ag ₂ O) _x) _{1-x} glasses: AAg ₁₀ nuclear magnetic resonance study. Physical Review B, 1990, 41, 6154-6164.	3.2	71
32	Vibrational properties of protons in hydrated Ba _{1-x} Zr _{1-x} O _{3-2x} . Physical Review B, 2005, 72, .	3.2	71
33	Electron-phonon interactions in perovskites containing Fe and Cr studied by Raman scattering using oxygen-isotope and cation substitution. Physical Review B, 2008, 78, .	3.2	68
34	Fabrication and characterization of highly pure and homogeneous YBa ₂ Cu ₃ O ₇ superconductors from sol-gel derived powders. Journal of Applied Physics, 1991, 69, 867-873.	2.5	66
35	Brillouin scattering and neutron diffraction in ion-conducting glasses. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1989, 59, 105-123.	0.6	65
36	Synthesis and structural characterization of perovskite type proton conducting BaZr _{1-x} In _x O _{3-2x} (0.0 ≤ x ≤ 0.75). Solid State Ionics, 2006, 177, 1395-1403.	2.7	65

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37	Location of deuteron sites in the proton conducting perovskite $\text{BaZr}_{0.50}\text{In}_{0.50}\text{O}_{3-\delta}$. <i>Journal of Alloys and Compounds</i> , 2008, 450, 103-110.	5.5	62
38	Observation of a dynamic anomaly in the liquid-glass transformation range by Brillouin scattering. <i>Physical Review Letters</i> , 1992, 68, 79-82.	7.8	61
39	Dynamics around the liquid-glass transition in poly(propylene-glycol) investigated by wide-frequency-range light-scattering techniques. <i>Physical Review B</i> , 1997, 56, 11619-11628.	3.2	61
40	Relations between structure and conductivity in fast ion conducting glasses. <i>Solid State Ionics</i> , 1998, 105, 55-65.	2.7	60
41	Structure of mixed alkali phosphate glasses by neutron diffraction and Raman spectroscopy. <i>Physical Review B</i> , 1998, 58, 11331-11337.	3.2	60
42	Structural analysis of PVA-based proton conducting membranes. <i>Solid State Ionics</i> , 2006, 177, 2431-2435.	2.7	60
43	Proton conductivity and low temperature structure of In-doped BaZrO_3 . <i>Solid State Ionics</i> , 2006, 177, 2357-2362.	2.7	60
44	Franck-Condon higher order lattice excitations in the $\text{LaFe}_{1-x}\text{Cr}_x\text{O}_3$ ($x=0, 0.1, 0.5, 0.9, 1.0$) perovskites due to Fe-Cr charge transfer effects. <i>Physical Review B</i> , 2007, 75, .	3.2	60
45	Structural study and proton conductivity in Yb-doped BaZrO_3 . <i>Solid State Ionics</i> , 2007, 178, 515-520.	2.7	59
46	Raman spectra, superconductivity, and structure of Co-substituted $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$. <i>Physical Review B</i> , 1989, 40, 6787-6796.	3.2	58
47	Raman spectroscopy of the charge- and orbital-ordered state in $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. <i>Physical Review B</i> , 2001, 64, .	3.2	55
48	Structure of fast-ion-conducting lithium and sodium borate glasses by neutron diffraction and reverse Monte Carlo simulations. <i>Physical Review B</i> , 1998, 57, 13514-13526.	3.2	53
49	Brillouin scattering studies of structural relaxations in poly(propylene glycol). <i>Polymer</i> , 1987, 28, 1803-1808.	3.8	51
50	Sound Wave Scattering in Network Glasses. <i>Physical Review Letters</i> , 2001, 86, 3803-3806.	7.8	51
51	Low-Energy Modes in Phosphate Glasses: A Comparison with the Soft Potential Model. <i>Physical Review Letters</i> , 1994, 73, 2067-2070.	7.8	50
52	A statistical model of hydrogen bond networks in liquid alcohols. <i>Journal of Chemical Physics</i> , 2012, 136, 094514.	3.0	49
53	Fraction of boroxol rings in vitreous boron trioxide. <i>Physical Review B</i> , 1997, 55, 11138-11143.	3.2	48
54	Reorientational motion in superionic sulfates: A Raman linewidth study. <i>Physical Review B</i> , 1985, 32, 2471-2477.	3.2	47

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55	Origin of the boson peak in a network glass B_2O_3 . <i>Physical Review B</i> , 1999, 59, 4053-4057.	3.2	47
56	Contrasting behaviour of acoustic modes in network and non-network glasses. <i>Europhysics Letters</i> , 2001, 54, 77-83.	2.0	47
57	High-quality ceramics of $YBa_2Cu_4O_8$ from citrate sol-gel precursors sintered at one atmosphere oxygen pressure. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 173, 377-380.	1.2	45
58	Lattice and charge excitations in $La_{1-x}Sr_xMnO_3$. <i>Physical Review B</i> , 2000, 61, 1193-1197.	3.2	45
59	Structure of AgI-Ag $_2$ O- $2B_2O_3$ glasses: A neutron and x-ray-diffraction investigation. <i>Physical Review B</i> , 1997, 55, 11236-11248.	3.2	44
60	Crystal Structure and Proton Conductivity of $BaZr_{0.9}Sc_{0.1}O_{3-\delta}$. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3039-3044.	3.8	43
61	Using Neutron Spin Echo To Investigate Proton Dynamics in Proton-Conducting Perovskites. <i>Chemistry of Materials</i> , 2010, 22, 740-742.	6.7	43
62	Observation of scaling behavior in the liquid-glass transition range from dynamic light scattering in poly(propylene glycol). <i>Physical Review Letters</i> , 1992, 68, 3587-3590.	7.8	42
63	Secondary relaxations due to fast-ion diffusion in AgI-rich borate glasses observed by Brillouin scattering. <i>Physical Review B</i> , 1987, 36, 4600-4612.	3.2	40
64	A Structural Study on Ionic-Liquid-Based Polymer Electrolyte Membranes. <i>Journal of the Electrochemical Society</i> , 2007, 154, G183.	2.9	38
65	Short-range structure of the brownmillerite-type oxide $Ba_2In_2O_5$ and its hydrated proton-conducting form $BaIn_3O_7 \cdot H_2O$. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16915-16924.	10.3	37
66	Quasielastic neutron scattering of hydrated $BaZr_{0.9}A_{0.1}O_{2.95}$ (A=Y and Sc). <i>Solid State Ionics</i> , 2009, 180, 22-28.	2.7	36
67	Mechanical and electrical relaxation due to mobile ions in a superionic glass over the range 1 Hz-20 GHz. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 125, 330-334.	2.1	32
68	CuO-chain Raman scattering and photoinduced metastability in $YBa_2Cu_3O_x$. <i>Physical Review B</i> , 1998, 57, R14072-R14075.	3.2	32
69	Ionic conductivity and the mixed alkali effect in $Li_xRb_{1-x}PO_3$ glasses. <i>Physical Review B</i> , 2003, 68, .	3.2	32
70	Crystal-Like Nature of Acoustic Excitations in Glassy Ethanol. <i>Physical Review Letters</i> , 2004, 93, 145502.	7.8	32
71	Intermediate range structural ordering in AgI doped superionic glasses: A neutron diffraction study. <i>Solid State Ionics</i> , 1990, 40-41, 702-704.	2.7	31
72	Polymerized complex synthesis of a pure 93 K $Y_2Ba_4Cu_7O_{15}$ superconductor without the need of high oxygen pressure and additive catalysts. <i>Journal of Applied Physics</i> , 1993, 73, 2424-2428.	2.5	31

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91	The segmental dynamics of a polymer electrolyte investigated by coherent quasielastic neutron scattering. <i>Journal of Chemical Physics</i> , 2001, 114, 9645-9656.	3.0	23
92	Structure and functionality of PVdF/PAN based, composite proton conducting membranes. <i>Electrochimica Acta</i> , 2005, 50, 3992-3997.	5.2	23
93	Brillouin scattering study of elastic properties of superionic (AgI) _x (AgPO ₃) _{1-x} glasses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985, 107, 190-194.	2.1	21
94	Incoherent quasi-elastic neutron scattering of propylene carbonate in the glass instability range. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 53-57.	3.1	21
95	Photon correlation study of structural relaxations in NaCF ₃ SO ₃ containing polymer electrolytes. <i>Journal of Non-Crystalline Solids</i> , 1994, 172-174, 830-837.	3.1	21
96	Intermediate range ordering in a network glass. <i>Journal of Non-Crystalline Solids</i> , 1998, 223, 223-229.	3.1	21
97	Dielectric modulus analysis of mixed alkali Li _x Rb _{1-x} PO ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2002, 307-310, 1012-1016.	3.1	21
98	Structural Relaxation Behaviour in Polymers; A Molecular Weight Dependence in the Hypersonic Properties of Low Molecular Weight Poly(Propylene Glycol). <i>Physica Scripta</i> , 1987, 35, 692-695.	2.5	20
99	Neutron-scattering studies of a polymer electrolyte, PPO- LiClO_4 . <i>Solid State Ionics</i> , 1998, 113-115, 139-147.	2.7	20
100	Restricted dynamics of a supercooled liquid in a polymer matrix. <i>Physical Review B</i> , 2002, 66, .	3.2	20
101	Order-disorder-order phase transitions in the pyrochlore superconductor Cd ₂ Re ₂ O ₇ . <i>Physical Review B</i> , 2005, 71, .	3.2	20
102	A SANS Study of 3PEG- LiClO_4 -TiO ₂ Nanocomposite Polymer Electrolytes. <i>Macromolecules</i> , 2005, 38, 6666-6671.	4.8	20
103	Synthesis of highly pure YBa ₂ Cu ₃ O _{7-x} superconductors using a colloidal processing technique. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 931-932.	1.2	19
104	Intermediate-range structure and conductivity of fast ion-conducting borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 658-664.	3.1	19
105	Polymer concentration dependence of the dynamics in gel electrolytes. <i>Solid State Ionics</i> , 2000, 136-137, 1147-1152.	2.7	19
106	Structure of Ca _{0.4} K _{0.6} (NO ₃) _{1.4} from the glass to the liquid state. <i>Physical Review B</i> , 2001, 64, .	3.2	19
107	High Pressure Crystal and Magnetic Phase Transitions in Multiferroic Bi _{0.9} La _{0.1} FeO ₃ . <i>Chemistry of Materials</i> , 2014, 26, 1180-1186.	6.7	19
108	Hypersonic secondary relaxation due to fast ion diffusion modes in xLiCl _{0.5} Li ₂ O ₂ B ₂ O ₃ glasses. <i>Solid State Ionics</i> , 1987, 25, 85-91.	2.7	18

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109	On the non-exponential versus non-Arrhenius behaviour of the structural relaxation in glass-forming liquids. <i>Journal of Physics Condensed Matter</i> , 1990, 2, SA207-SA214.	1.8	18
110	A network problem: Modelling alkali-silicate glasses with RMC. <i>Phase Transitions</i> , 1997, 61, 195-213.	1.3	18
111	Cycling performance and temperature stability of a tin-borate glass anode. <i>Electrochemistry Communications</i> , 2003, 5, 27-31.	4.7	18
112	Two-component heat diffusion observed in LaMnO_3 . <i>Physical Review B</i> , 2010, 81, .	3.2	18
113	Elastic constants of a superionic AgI single crystal determined by Brillouin scattering. <i>Physical Review B</i> , 1987, 36, 4915-4925.	3.2	17
114	Comment on "Medium-range ordering in glasses: Comparison of Raman and diffraction measurements". <i>Physical Review Letters</i> , 1993, 70, 4027-4027.	7.8	17
115	Modelling of segmental dynamics in polymer electrolyte PPO-LiClO ₄ , by surface fitting of quasi-elastic neutron scattering data. <i>Physica B: Condensed Matter</i> , 1999, 266, 126-130.	2.7	17
116	Effects of hydrogen bonding on supercooled liquid dynamics and the implications for supercooled water. <i>Physical Review B</i> , 2009, 79, .	3.2	17
117	Non-exponential dynamics of silver ions in silver iodide doped silver borate glasses through NMR. <i>Solid State Ionics</i> , 1990, 40-41, 279-283.	2.7	16
118	Raman scattering in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$: Indications of pseudogap effects in nonsuperconducting $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 2000, 61, 7049-7054.	3.2	16
119	Comment on "Fraction of Boroxol Rings in Vitreous Boron Oxide from a First-Principles Analysis of Raman and NMR Spectra". <i>Physical Review Letters</i> , 2006, 96, 199701; author reply 199702.	7.8	16
120	Proton Conduction in Perovskite Oxide $\text{BaZr}_{0.5}\text{Yb}_{0.5}\text{O}_{3-\delta}$ Prepared by Wet Chemical Synthesis Route. <i>Journal of the Electrochemical Society</i> , 2008, 155, P97.	2.9	16
121	The influence of oxygen variation on Raman scattering and X-ray diffraction from BaCuO_2 . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1253-1254.	1.2	15
122	A study on the state of PWA in PVDF-based proton conducting membranes by Raman spectroscopy. <i>Solid State Ionics</i> , 2007, 178, 527-531.	2.7	15
123	Anharmonic softening of Raman active phonons in iron-pnictides: Estimating the Fe isotope effect due to anharmonic expansion. <i>Physical Review B</i> , 2009, 79, .	3.2	15
124	Electron-lattice interactions in the perovskite LaFeO_3 by optical spectroscopy and LaFeO_{3-x} . <i>Physical Review B</i> , 2009, 80, .	3.2	15
125	Low-frequency Raman scattering in superionic Li_2SO_4 . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 98, 205-207.	2.1	14
126	Physical characterization and vibrational spectroscopy of Bi(Pb) cuprate 2212 ceramics prepared by sol-gel. <i>Physica C: Superconductivity and Its Applications</i> , 1992, 200, 418-424.	1.2	14

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127	Investigation of the temperature dependence of electron and phonon Raman scattering in single crystal $\text{YBa}_2\text{Cu}_3\text{O}_{6.952}$. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 445-448.	0.5	14
128	A simple and reproducible way to synthesize $\text{PrBa}_2\text{Cu}_4\text{O}_8$ under 1 atm of oxygen by amorphous citrate method. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 321, 74-80.	1.2	14
129	Preparation and optical studies of Er-doped Al-Si-Ti oxide glasses using the $\text{ErAl}_3(\text{OPri})_{12}$ isolated Er-ion precursor. <i>Journal of Physics and Chemistry of Solids</i> , 2000, 61, 67-74.	4.0	14
130	Structural investigation of the Li^+ ion insertion/extraction mechanism in Sn-based composite oxide glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2001, 62, 1213-1218.	4.0	14
131	Diffusion of solvent/salt and segmental relaxation in polymer gel electrolytes. <i>Electrochimica Acta</i> , 2001, 46, 1447-1451.	5.2	14
132	Raman Scattering evidence of rotating SO_4^{2-} in solid sulphate electrolytes.. <i>Solid State Ionics</i> , 1986, 18-19, 582-586.	2.7	13
133	When is a polymer a polymer? A light scattering study of crossover from viscous fluid-like behaviour to chain constrained dynamics. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 104-108.	3.1	13
134	Infrared-active phonons and the superconducting gap of Tc-reduced double-chain $\text{YBa}_2\text{Cu}_4\text{O}_8$ superconductors. <i>Physical Review B</i> , 1994, 50, 1171-1177.	3.2	13
135	Influence of Oxygen Defects on the Structure and Magnetic Properties of $\text{Sr}_{1-x}\text{Bi}_x\text{CoO}_{3-y}$ (0.1 $\leq x \leq$ 0.2) Supercell Perovskites. <i>Chemistry of Materials</i> , 2006, 18, 1354-1364.	6.7	13
136	Raman scattering and X-ray diffraction in Ni and Zn substituted $\text{YBa}_2\text{Cu}_3\text{O}_{6+\delta}$. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 1251-1252.	1.2	12
137	A practical cryogenic resistive sensor for thermal conductivity measurements. <i>Sensors and Actuators A: Physical</i> , 1996, 57, 15-19.	4.1	12
138	Conductivity relaxation in silver iodide-silver borate glasses. <i>Journal of Non-Crystalline Solids</i> , 1991, 131-133, 1096-1098.	3.1	11
139	Neutron diffraction studies of TL-2201, TL-2212 and Y-123 doped with strontium. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 185-189, 623-624.	1.2	11
140	Reorientational motion of the NO_3^- ion through the liquid-glass transition in $\text{Ca}_{0.4}\text{K}_{0.6}(\text{NO}_3)_{1.4}$ and $\text{Ca}(\text{NO}_3)_2 + 8\text{H}_2\text{O}$. <i>Journal of Non-Crystalline Solids</i> , 1994, 172-174, 161-166.	3.1	11
141	Effect of cobalt doping on thermal conductivity of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductor. <i>Physical Review B</i> , 1996, 53, 5901-5906.	3.2	11
142	Phonon Raman scattering in $\text{Y}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_4\text{O}_8$ ($x=0-1$) and $(\text{Y}_{1-x}\text{Pr}_x)_2\text{Ba}_4\text{Cu}_7\text{O}_{15-\delta}$ ($x=0-0.6$). <i>Physical Review B</i> , 1996, 53, 3590-3597.	3.2	11
143	Structural and dynamical properties of polymer electrolytes PPO-LiClO_4 . <i>Physica B: Condensed Matter</i> , 1997, 234-236, 231-235.	2.7	11
144	Infrared and in situ ^{119}Sn Mössbauer study of lithiated tin borate glasses. <i>Journal of Materials Chemistry</i> , 2002, 12, 2965-2970.	6.7	11

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145	Relation between the Cu(1)-O(4) distance and T_c in $Y_{1-x}Ca_xTh_xBa_2Cu_3O_{7-x}$: Raman scattering and calculation of the electron-phonon interaction. <i>Physical Review B</i> , 1992, 46, 6501-6504.	3.2	10
146	Evidence for a scaling of the superconducting gap with T_c in $Pr_xY_{1-x}Ba_2Cu_4O_8$. <i>Solid State Communications</i> , 1993, 87, 907-911.	1.9	10
147	The effects of Co substitutions for Cu in $YBa_2Cu_3O_{6+x}$ on the phonon Raman spectrum. <i>Journal of Alloys and Compounds</i> , 1993, 195, 363-366.	5.5	10
148	Anomalous behaviour of the 147 cm^{-1} Cu(2) Raman mode in $YBa_2Cu_4O_8$ under high pressure. Signature of change in the electronic state of the CuO_2 plane. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 230, 199-206.	1.2	10
149	Light scattering from electronic excitations in YNi_2B_2C . <i>Physical Review B</i> , 1995, 52, 6208-6210.	3.2	10
150	Changes in the structure of $AgI-AgPO_3$ around the glass transition temperature. <i>Solid State Ionics</i> , 1996, 86-88, 421-424.	2.7	10
151	Effects of Zn substitution for Cu on Raman phonon anomalies in double-chain $YBa_2Cu_4O_8$ superconductors. <i>Physical Review B</i> , 1996, 53, 3566-3572.	3.2	10
152	Intermediate range structural correlations in polymer electrolyte $PPO \cdot LiClO_4$ from neutron diffraction experiments and reverse Monte Carlo simulations. <i>Electrochimica Acta</i> , 1998, 43, 1545-1550.	5.2	10
153	Structure of $(AgI)_x-(Ag_2O-nB_2O_3)_{1-x}$ glasses by neutron diffraction and reverse Monte Carlo simulations. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 9275-9291.	1.8	10
154	Ionic motion of silver in super-ionic glasses. <i>Physica B: Condensed Matter</i> , 1999, 266, 69-74.	2.7	10
155	Two-magnon Raman scattering from the Cu^{2+} in $YBa_2Cu_4O_8$ Cu^{2+}		

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163	The role of oxygen vacancies on the vibrational motions of hydride ions in the oxyhydride of barium titanate. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6360-6371.	10.3	9
164	Structure and superconductivity in Co doped YBa ₂ Cu ₃ O _{6+x} . <i>Journal of Alloys and Compounds</i> , 1993, 195, 327-330.	5.5	8
165	Structure of fast ion conducting borate glasses by neutron diffraction and reverse Monte Carlo simulations. <i>Physica Scripta</i> , 1995, T57, 117-121.	2.5	8
166	Neutron diffraction investigations of the cation coordination in an amorphous polymer electrolyte, PPO-LiClO ₄ . <i>Electrochimica Acta</i> , 2000, 45, 1449-1452.	5.2	8
167	Neutron diffraction study of microscopic structure of SnB ₂ O ₄ glass. <i>Physical Review B</i> , 2002, 65, .	3.2	8
168	Structural investigations of polymer electrolyte poly(propylene oxide)-LiClO ₄ using diffraction experiments and reverse Monte Carlo simulation. <i>Journal of Chemical Physics</i> , 2004, 121, 12026-12037.	3.0	8
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