

Efstratios I Kamitsos

List of Publications by Year in descending order

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189
papers

7,441
citations

53794

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all docs

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docs citations

195
times ranked

4837
citing authors

#	ARTICLE	IF	CITATIONS
1	Niobate in silicate and phosphate glasses: Effect of glass basicity on crucible dissolution. <i>International Journal of Applied Glass Science</i> , 2022, 13, 121-134.	2.0	11
2	Yttrium and rare-earth modified lithium orthoborates: Glass formation and vibrational activity. <i>Journal of Non-Crystalline Solids</i> , 2022, 575, 121152.	3.1	13
3	Mechanism of hopping conduction in Be-Fe-Al-Te-O semiconducting glasses and glass-ceramics. <i>Journal of Materials Science</i> , 2022, 57, 1633-1647.	3.7	5
4	Phosphorus and potassium recovery from anaerobically digested olive mill wastewater using modified zeolite, fly ash and zeolitic fly ash: a comparative study. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1860-1873.	3.2	5
5	Structure of lead borate glasses by Raman, 11B MAS, and 207Pb NMR spectroscopies. <i>Journal of Non-Crystalline Solids</i> , 2022, 589, 121660.	3.1	17
6	Lithium ion sites and their contribution to the ionic conductivity of RLi ₂ O-B ₂ O ₃ glasses with R ⁺ 1.85. <i>Solid State Ionics</i> , 2021, 359, 115530.	2.7	9
7	Anomalous Deformation Behavior in ULE Glass upon Microindentation: A Vibrational Spectroscopic Investigation in the Induced Structural Changes of a Ti-Silicate Glass. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4183-4195.	3.1	8
8	Structure and fluorescence properties of Dy-doped alkaline-earth borophosphate glasses. <i>International Journal of Applied Glass Science</i> , 2021, 12, 472-484.	2.0	5
9	Structure and magnetic properties of BeO-Fe ₂ O ₃ -Al ₂ O ₃ -TeO ₂ glass-ceramic composites. <i>Journal of the European Ceramic Society</i> , 2021, 41, 5214-5222.	5.7	17
10	Network former mixing effects in alkali germanotellurite glasses: A vibrational spectroscopic study. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160782.	5.5	8
11	Short-range structure, the role of bismuth and property-structure correlations in bismuth borate glasses. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10006-10020.	2.8	24
12	Modification of silicophosphate glass composition, structure, and properties via crucible material and melting conditions. <i>International Journal of Applied Glass Science</i> , 2020, 11, 46-57.	2.0	25
13	Short-Range Disorder in TeO ₂ Melt and Glass. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 427-431.	4.6	22
14	Analysis of Physical and Structural Properties of Alkali Oxide-Modified Tellurite Glasses. <i>Journal of Undergraduate Reports in Physics</i> , 2020, 30, 100003.	0.1	1
15	On the Absence of Doubly Bonded Te•O Groups in TeO ₂ Glass. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5746-5753.	2.6	12
16	Tailoring the Mechanical Properties of Metaluminous Aluminosilicate Glasses by Phosphate Incorporation. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	11
17	Halogen-NH ₂ ⁺ Interaction, Temperature-Induced Phase Transition, and Ordering in (NH ₂) ₂ CHNH ₂)PbX ₃ (X = Cl, Br, I) Hybrid Perovskites. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8479-8487.	3.1	32
18	Vibrational study of lithium borotellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2020, 540, 120011.	3.1	15

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19	Spectroscopic study of the role of alkaline earth oxides in mixed borate glasses - site basicity, polarizability and glass structure. <i>Journal of Non-Crystalline Solids</i> , 2020, 533, 119892.	3.1	27
20	Anion polarizabilities in oxynitride glasses. Establishing a common optical basicity scale. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9543-9560.	2.8	11
21	Synthesis, structural characterization, and thermal properties of Ca ²⁺ - and La ³⁺ -doped soda-lime glasses by laser melting. <i>International Journal of Applied Glass Science</i> , 2020, 11, 699-706.	2.0	7
22	Synthesis and characterization of multilayered ZnO/glass/ZnO varistors. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
23	Short-Range Structure, Thermal and Elastic Properties of Binary and Ternary Tellurite Glasses. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7905-7918.	2.6	20
24	The influence of Be addition on the structure and thermal properties of alkali-silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 521, 119532.	3.1	13
25	The effect of nitrogen on the structure and thermal properties of beryllium-containing Na-(Li)-Si-O-N glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 522, 119585.	3.1	7
26	Surface-Enhanced Raman Spectroscopy of Graphene Integrated in Plasmonic Silicon Platforms with Three-Dimensional Nanotopography. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3076-3087.	3.1	16
27	Borosilicate glass layers on Mycenaean glass: Surface alterations by glass-“borax”-gold interactions. <i>Journal of Non-Crystalline Solids: X</i> , 2019, 3, 100020.	1.2	1
28	Mixed alkali/alkaline earth-silicate glasses: Physical properties and structure by vibrational spectroscopy. <i>International Journal of Applied Glass Science</i> , 2019, 10, 349-362.	2.0	38
29	Surface-enhanced Raman Spectroscopy of Graphene Integrated in Three-dimensional Nanostructured Plasmonic Silicon Platforms. , 2019, , .		0
30	Mixed-modifier effect in alkaline earth metaphosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 447-456.	3.1	62
31	Influence of synthesis conditions on glass formation, structure and thermal properties in the Na ₂ O-CaO-P ₂ O ₅ system doped with Si ₃ N ₄ and Mg. <i>Journal of Non-Crystalline Solids</i> , 2018, 494, 66-77.	3.1	17
32	Femtosecond laser-induced transformations in ultra-low expansion glass: Microstructure and local density variations by vibrational spectroscopy. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	21
33	Transition-metal incorporation and Co-Sr/Mn-Sr mixed-modifier effect in metaphosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2017, 460, 136-145.	3.1	24
34	Modifying the surface wetting behavior of soda-lime silicate glass substrates through thermal polishing. <i>Journal of Non-Crystalline Solids</i> , 2017, 462, 47-50.	3.1	17
35	Structural Stability, Vibrational Properties, and Photoluminescence in CsSn ₃ Perovskite upon the Addition of SnF ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 84-91.	4.0	105
36	Synthesis, thermal and structural properties of pure TeO ₂ glass and zinc-tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2017, 457, 116-125.	3.1	171

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37	Formation, structure and properties of fluoro-sulfo-phosphate poly-anionic glasses. Journal of Non-Crystalline Solids, 2017, 477, 58-72.	3.1	55
38	A multi technique study of a new lithium disilicate glass-ceramic spray-coated on ZrO ₂ substrate for dental restoration. Biomedical Glasses, 2017, 3, .	2.4	13
39	Molecular dynamics study of structural reorganization by electro-thermal poling in sodium diborate glass. Journal of Non-Crystalline Solids, 2017, 472, 14-24.	3.1	3
40	Technology and Provenance Analysis of Glass Fragments from an Ottoman Bathhouse (Hamam) in Kyparissia, Peloponnese, Greece. Science and Technology of Archaeological Research, 2017, 3, 376-390.	2.4	1
41	Mixed-modifier effect in (Ca,Mg) metaphosphate glasses. Journal of Non-Crystalline Solids, 2017, 468, 74-81.	3.1	26
42	Preferential bonding in low alkali borosilicate glasses. Journal of Commonwealth Law and Legal Education, 2017, 58, 171-179.	0.5	7
43	Studying a Funerary Roman Vessel Glass Collection from Patras, Greece: An Interdisciplinary Characterisation and Use Study. Science and Technology of Archaeological Research, 2016, 2, 203-216.	2.4	5
44	Transition and post-transition metal ions in borate glasses: Borate ligand speciation, cluster formation, and their effect on glass transition and mechanical properties. Journal of Chemical Physics, 2016, 145, 124501.	3.0	80
45	Technology issues of Byzantine glazed pottery from Corinth, Greece. Microchemical Journal, 2016, 129, 137-150.	4.5	24
46	Structure and mechanical properties of copper-lead and copper-zinc borate glasses. Journal of Non-Crystalline Solids, 2016, 435, 55-68.	3.1	120
47	Phosphate structure and lithium environments in lithium phosphorus oxynitride amorphous thin films. Ionics, 2016, 22, 471-481.	2.4	27
48	Vibrational spectroscopic and bond valence study of structure and bonding in Al ₂ O ₃ -containing Ag ⁺ AgPO ₃ glasses. RSC Advances, 2016, 6, 16697-16710.	3.6	53
49	Halogen Effects on Ordering and Bonding of CH ₃ NH ₃ ⁺ in CH ₃ NH ₃ PbX ₃ (X = Cl, Br, I) Hybrid Perovskites: A Vibrational Spectroscopic Study. Journal of Physical Chemistry C, 2016, 120, 2509-2519.	3.1	188
50	On the connectivity of borate tetrahedra in borate and borosilicate glasses. Journal of Commonwealth Law and Legal Education, 2015, 56, 203-211.	0.5	19
51	Structure and Properties of Orthoborate Glasses in the Eu ₂ O ₃ -B ₂ O ₃ Quaternary. Journal of Physical Chemistry B, 2015, 119, 3259-3272.	2.6	44
52	Structure and properties of alkali and silver sulfophosphate glasses. Journal of Non-Crystalline Solids, 2015, 410, 142-150.	3.1	49
53	Ionic Conductivity and Self-Assembly in Poly(isoprene- <i>b</i> -ethylene oxide) Electrolytes Doped with LiTf and EMITf. Macromolecules, 2015, 48, 1473-1482.	4.8	24
54	Ultrashort pulse induced modifications in ULE - from nanograting formation to laser darkening. Optical Materials Express, 2015, 5, 1834.	3.0	25

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55	Partitioning and structural role of Mn and Fe ions in ionic sulfophosphate glasses. Journal of Chemical Physics, 2014, 141, 224509.	3.0	29
56	Vibrational study of thermally ion-exchanged sodium aluminoborosilicate glasses. Journal of Non-Crystalline Solids, 2014, 401, 232-236.	3.1	31
57	A Raman-spectroscopic study of indentation-induced structural changes in technical alkali-borosilicate glasses with varying silicate network connectivity. Journal of Non-Crystalline Solids, 2014, 405, 196-206.	3.1	92
58	Effect of Temperature on the Direct Synthesis of Gold Nanoparticles Mediated by Poly(dimethylaminoethyl methacrylate) Homopolymer. Journal of Physical Chemistry C, 2014, 118, 22754-22759.	3.1	42
59	Raman spectroscopic study of structural changes induced by micro-indentation in low alkali borosilicate glasses. Journal of Non-Crystalline Solids, 2014, 401, 110-114.	3.1	69
60	Structure-property correlations in highly modified Sr, Mn-borate glasses. Journal of Non-Crystalline Solids, 2013, 376, 165-174.	3.1	65
61	Thermal collapse of SAPO-34 molecular sieve towards a perfect glass. Journal of Non-Crystalline Solids, 2013, 360, 36-40.	3.1	21
62	Lithium Ion Conducting Boron-Oxynitride Amorphous Thin Films: Synthesis and Molecular Structure by Infrared Spectroscopy and Density Functional Theory Modeling. Journal of Physical Chemistry C, 2013, 117, 7202-7213.	3.1	13
63	Investigation of CuI-Containing Molybdophosphate Glasses by Infrared Reflectance Spectroscopy. Journal of Physical Chemistry C, 2012, 116, 11671-11681.	3.1	15
64	Structural characterizations of As-Se-Te glasses. Journal of Alloys and Compounds, 2011, 509, 831-836.	5.5	29
65	Aging process of photosensitive chalcogenide films deposited by electron beam deposition. Journal of Alloys and Compounds, 2011, 509, 7330-7336.	5.5	20
66	Bonding and ion-ion interactions of Mn ²⁺ ions in fluoride-phosphate and boro-silicate glasses probed by EPR and fluorescence spectroscopy. Journal of Non-Crystalline Solids, 2011, 357, 2542-2551.	3.1	70
67	Effect of synthesis method on the structure and properties of AgPO ₃ -based glasses. Journal of Non-Crystalline Solids, 2011, 357, 2684-2689.	3.1	55
68	SHG and orientation phenomena in chromophore DR1-containing polymer films. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 119-124.	2.0	3
69	Orientation phenomena in chromophore DR1-containing polymer films and their non-linear optical response. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 515-520.	3.5	9
70	Spatial spectral evolution in pulsed laser deposited lead-germanate thin films by micro-infrared spectroscopy. Thin Solid Films, 2010, 518, 5892-5895.	1.8	0
71	Pressure-induced structural transformations in glass $\text{Li}_{0.3}\text{P}_2\text{O}_7$. A molecular dynamics study. Physical Review B. 2010, 82, .	3.2	11
72	Polarization mechanisms and structural rearrangements in thermally poled sodium-alumino phosphate glasses. Journal of Applied Physics, 2010, 107, .	2.5	22

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73	Correlation between second-order optical response and structure in thermally poled sodium niobium-germanate glass. Applied Physics Letters, 2010, 97, .	3.3	25
74	How Does Thermal Poling Affect the Structure of Soda-Lime Glass?. Journal of Physical Chemistry C, 2010, 114, 12754-12759.	3.1	117
75	Structure and Properties of Mixed Strontium~Manganese Metaphosphate Glasses. Journal of Physical Chemistry C, 2010, 114, 9125-9138.	3.1	103
76	A multispectroscopic structural study of lead silicate glasses over an extended range of compositions. Journal of Non-Crystalline Solids, 2010, 356, 304-313.	3.1	71
77	Analysis of AC permittivity response measured in an ionic glass: a comparison between iso and non-iso thermal conditions. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1164-1171.	2.9	1
78	Refractive index distribution in the non-linear optical layer of thermally poled oxide glasses. Chemical Physics Letters, 2009, 470, 63-66.	2.6	28
79	Molecular dynamics investigation of mixed-alkali borate glasses: Short-range order structure and alkali-ion environments. Physical Review B, 2009, 80, .	3.2	34
80	Processing and characterization of new oxysulfide glasses in the Ge~Ga~As~S~O system. Journal of Solid State Chemistry, 2008, 181, 2869-2876.	2.9	9
81	Nitrogen flow rate as a new key parameter for the nitridation of electrolyte thin films. Solid State Ionics, 2008, 179, 1223-1226.	2.7	9
82	Lithium Ion Induced Nanophase Ordering and Ion Mobility in Ionic Block Copolymers. Macromolecules, 2008, 41, 6183-6190.	4.8	25
83	Structure and optical properties of amorphous lead-germanate films developed by pulsed-laser deposition. Journal of Chemical Physics, 2007, 127, 034704.	3.0	19
84	Infrared spectroscopy of Li-diborate glassy thin films. Journal of Non-Crystalline Solids, 2007, 353, 1818-1823.	3.1	7
85	Development and Optical Properties of Cadmium Sulfide and Cadmium Selenide Nanoparticles in Amphiphilic Block Copolymer Micellar-like Aggregates. Journal of Physical Chemistry C, 2007, 111, 15201-15209.	3.1	22
86	Structural Rearrangements and Second-Order Optical Response in the Space Charge Layer of Thermally Poled Sodium~Niobium Borophosphate Glasses. Journal of Physical Chemistry C, 2007, 111, 14560-14566.	3.1	70
87	Thin Film Amorphous Electrolytes:~ Structure and Composition by Experimental and Simulated Infrared Spectra. Journal of Physical Chemistry C, 2007, 111, 8111-8119.	3.1	13
88	Influence of thermal treatment on the water release and the glassy structure of perlite. Journal of Materials Science, 2006, 41, 5870-5881.	3.7	62
89	Eu ³⁺ /block copolymer nanostructured hybrid materials. Journal of Physics: Conference Series, 2005, 10, 255-258.	0.4	0
90	Stable aqueous dispersions of C ₆₀ fullerene by the use of a block copolymer. Journal of Physics: Conference Series, 2005, 10, 163-166.	0.4	2

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91	Composition and temperature dependence of cesium-borate glasses by molecular dynamics. Journal of Chemical Physics, 2005, 123, 014508.	3.0	12
92	Pulsed laser deposited lead-germanate glass systems. Applied Physics A: Materials Science and Processing, 2004, 79, 1319-1321.	2.3	9
93	Structural investigation of superionic AgI-containing orthoborate glasses. Journal of Non-Crystalline Solids, 2004, 345-346, 93-98.	3.1	10
94	Dependence of sodium borate glass structure on depth from the sample surface. Journal of Non-Crystalline Solids, 2004, 345-346, 213-218.	3.1	19
95	Spectroscopic study of As ₂ S ₃ glasses doped with Dy, Sm and Mn. Journal of Non-Crystalline Solids, 2003, 326-327, 306-310.	3.1	13
96	Spectroscopic studies of bulk AS ₂ S ₃ glasses and amorphous films doped with Dy, Sm and Mn. , 2002, , .		6
97	Molecular dynamics investigation of lithium borate glasses: Local structure and ion dynamics. Physical Review B, 2002, 65, .	3.2	72
98	Optical Basicity and Refractivity of Germanate Glasses. Journal of Physical Chemistry B, 2002, 106, 8988-8993.	2.6	39
99	Cation dynamics in lithium borate glasses. Journal of Non-Crystalline Solids, 2002, 307-310, 956-962.	3.1	12
100	Medium range order in glass and the 'germanate anomaly' effect. Chemical Physics Letters, 2002, 359, 246-252.	2.6	21
101	Mixed cation effect in chalcogenide glasses Rb ₂ S [~] Ag ₂ S [~] GeS ₂ . Physical Review B, 2001, 63, .	3.2	30
102	Density of alkali germanate glasses related to structure. Journal of Non-Crystalline Solids, 2001, 293-295, 244-249.	3.1	31
103	Dielectric Relaxation and Far-Infrared Spectroscopic Study of Cation-Site Interactions in Oxide Glasses. Journal of Physical Chemistry B, 2001, 105, 5657-5662.	2.6	23
104	Spectroscopic investigation of AgI-doped borate glasses. Solid State Ionics, 2000, 136-137, 1031-1039.	2.7	24
105	Connection between the microwave and far infrared conductivity of oxide glasses. Journal of Non-Crystalline Solids, 2000, 274, 307-312.	3.1	12
106	Polarized Resonance Raman and FTIR Reflectance Spectroscopic Investigation of the Molecular Orientation in Industrial Poly(vinyl chloride) Specimens. Macromolecules, 2000, 33, 5613-5623.	4.8	49
107	Structure of fast-ion-conducting AgI-doped borate glasses in bulk and thin film forms. Physical Review B, 1999, 60, 3885-3898.	3.2	60
108	Alkali sites in glass. Solid State Ionics, 1998, 105, 75-85.	2.7	77

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109	Laser-Raman and FT-IR spectroscopic studies of peptide-analogues of silkmoth chorion protein segments. <i>International Journal of Biological Macromolecules</i> , 1998, 23, 49-59.	7.5	24
110	Dielectric and structural investigation of alkali triborate glasses. <i>Journal of Non-Crystalline Solids</i> , 1998, 235-237, 761-765.	3.1	43
111	Molecular Orientation of Hairy-Rod Polyesters: Effects of Side Chain Length. <i>Macromolecules</i> , 1998, 31, 5465-5473.	4.8	16
112	Coordination States of Molybdenum and the Nature of Copper Ion Sites in the Superionic Glasses $x\text{CuI} \cdot (1-x)\text{Cu}_2\text{MoO}_4$ ($x=0.4, 0.5$) Studied by Infrared Reflectance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997, 101, 3734-3741.	2.6	26
113	Structure and Bonding in $\text{As} \sim \text{Sb} \sim \text{S}$ Chalcogenide Glasses by Infrared Reflectance Spectroscopy. <i>Journal of Physical Chemistry B</i> , 1997, 101, 11061-11067.	2.6	41
114	Basicity Variation in Network Oxides: Distribution of Metal Ion Sites in Borate Glass Systems. <i>Journal of Physical Chemistry B</i> , 1997, 101, 4188-4192.	2.6	27
115	Vibrational investigation of lithium metaborate-metaaluminatate glasses and crystals. <i>Journal of Non-Crystalline Solids</i> , 1997, 217, 278-290.	3.1	69
116	Structure-property correlation in glasses by infrared reflectance spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 1997, 222, 59-68.	3.1	32
117	Significance of intermediate range structure for electrical conduction in alkali germanate glasses. <i>Journal of Non-Crystalline Solids</i> , 1997, 222, 361-368.	3.1	6
118	Structure of Potassium Germanate Glasses By Vibrational Spectroscopy. , 1997, , 317-325.		5
119	Infrared Reflectance Investigation of the Structure of $x\text{Sb}_2\text{S}_3 \cdot (1-x)\text{As}_2\text{S}_3$ Glasses. , 1997, , 307-315.		0
120	Molecular Orientation in Polyester Films Using Polarized Laser Raman and Fourier Transform Infrared Spectroscopies and X-Ray Diffraction. <i>Macromolecules</i> , 1996, 29, 2244-2252.	4.8	34
121	Towards a structural interpretation of fragility and decoupling trends in borate systems. <i>Journal of Non-Crystalline Solids</i> , 1996, 196, 244-248.	3.1	31
122	Metal ion sites in oxide glasses Relation to glass basicity and ion transport. <i>Journal of Non-Crystalline Solids</i> , 1996, 196, 249-254.	3.1	42
123	Effect of Li_2SO_4 on the structure of $\text{Li}_2\text{O} \cdot \text{B}_2\text{O}_3$ glasses. <i>Journal of Non-Crystalline Solids</i> , 1996, 202, 222-232.	3.1	45
124	Correlation between far infrared absorption and electrical conductivity of rubidium germanate glasses. <i>Journal of Non-Crystalline Solids</i> , 1996, 203, 312-319.	3.1	4
125	A comprehensive view of the local structure around Rb in rubidium germanate glasses. <i>Journal of Non-Crystalline Solids</i> , 1996, 203, 320-328.	3.1	22
126	Correlation between dielectric constant and chemical structure of sodium silicate glasses. <i>Journal of Applied Physics</i> , 1996, 80, 1704-1712.	2.5	32

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127	Reply to "Comment on 'Infrared-reflectance spectra of heat-treated, sol-gel-derived silica'". Physical Review B, 1996, 53, 14659-14662.	3.2	61
128	Far-infrared spectra of alkali germanate glasses and correlation with electrical conductivity. Physical Review B, 1996, 54, 9775-9783.	3.2	44
129	Raman and Infrared Structural Investigation of $x\text{Rb}_2\text{O} \cdot (1-x)\text{GeO}_2$ Glasses. The Journal of Physical Chemistry, 1996, 100, 11755-11765.	2.9	136
130	Resonance Raman and infrared studies of the organic superconductor $k\text{-(MDT-TTF)}_2\text{AuI}_2$ in the normal state. Journal of Raman Spectroscopy, 1995, 26, 9-14.	2.5	3
131	X-ray diffraction and infrared investigation of $\text{RBa}_2\text{Cu}_3\text{O}_7$ and $\text{R}_{0.5}\text{Pr}_{0.5}\text{Ba}_2\text{Cu}_3\text{O}_7$ compounds ($\text{R} \rightarrow \text{Y}$ and Tj). <i>ETQ</i> , 1995, 1, 0.784314.	1.2	83
132	A structural assessment of glass formation in alkali borates: Melt quenching versus gel drying. Journal of Materials Science Letters, 1995, 14, 268-270.	0.5	7
133	Spectroscopic studies of <i>Manduca sexta</i> and <i>Sesamia nonagrioides</i> chorion protein structure. International Journal of Biological Macromolecules, 1995, 17, 93-98.	7.5	15
134	Structure and Optical Conductivity of Silver Thiogermanate Glasses. Journal of Solid State Chemistry, 1994, 112, 255-261.	2.9	48
135	Vibrational study of the role of trivalent ions in sodium trisilicate glass. Journal of Non-Crystalline Solids, 1994, 171, 31-45.	3.1	115
136	X-ray photoelectron spectroscopy of Al- and B-substituted sodium trisilicate glasses. Journal of Non-Crystalline Solids, 1994, 168, 247-257.	3.1	55
137	Lithium-sodium metaborate glasses: structural aspects and vitrification chemistry. Journal of Non-Crystalline Solids, 1994, 167, 92-105.	3.1	33
138	Lithium borate glasses: a quantitative study of strength and fragility. Journal of Non-Crystalline Solids, 1994, 172-174, 378-383.	3.1	58
139	Chemical relaxations of ionically conducting glasses. Journal of Molecular Liquids, 1993, 56, 349-357.	4.9	3
140	Infrared reflectance investigation of alkali diborate glasses. Journal of Non-Crystalline Solids, 1993, 152, 246-257.	3.1	151
141	Anomalous expansion of sodium triborate melt and its effect on glass properties. Journal of Non-Crystalline Solids, 1993, 162, 107-117.	3.1	12
142	Infrared-reflectance spectra of heat-treated sol-gel-derived silica. Physical Review B, 1993, 48, 12499-12505.	3.2	190
143	Secondary structure of synthetic peptides derived from the repeating unit of a giant secretory protein from <i>Chironomus tentans</i> . BBA - Proteins and Proteomics, 1992, 1121, 279-285.	2.1	14
144	Resonance Raman and far-infrared studies of $n\text{-Bu}_4\text{NI}_3$ and $n\text{-Bu}_4\text{NBr}_3$. Journal of Raman Spectroscopy, 1992, 23, 81-85.	2.5	14

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145	Resonance Raman investigation of the state of polyiodides in the organic conductors (PEDT-DTDSF) ₂ I ₃ and (PDM-TTF) ₃ I ₃ . Journal of Raman Spectroscopy, 1992, 23, 721-725.	2.5	3
146	Structural studies of single and mixed alkali borate glasses. , 1992, , 331-336.		1
147	Infrared reflectance studies of ionic conductive glasses. Network structure and cation dynamics. European Physical Journal Special Topics, 1992, 02, C2-87-C2-96.	0.2	1
148	The glass transition temperature of lithium-alkali borates. Journal of Non-Crystalline Solids, 1991, 134, 277-286.	3.1	16
149	Chemical relaxations at the glass transition of a lithium conducting glass. Journal of Non-Crystalline Solids, 1991, 131-133, 1068-1071.	3.1	15
150	Evidence from vibrational spectroscopy for cluster and tissue pseudophases in glass. Journal of Non-Crystalline Solids, 1991, 131-133, 1089-1091.	3.1	29
151	Lithium conducting borate glasses: evidence for two broad distributions of cation-hosting environments. Journal of Non-Crystalline Solids, 1991, 131-133, 1092-1095.	3.1	25
152	A classification of metaborate crystals based on Raman spectroscopy. Spectrochimica Acta Part A: Molecular Spectroscopy, 1991, 47, 1117-1126.	0.1	31
153	Borate glass structure by Raman and infrared spectroscopies. Journal of Molecular Structure, 1991, 247, 1-16.	3.6	246
154	On the structure of alkali borate glasses approaching the orthoborate composition. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1990, 7, 1-4.	3.5	29
155	New insights into the structure of alkali borate glasses. Journal of Non-Crystalline Solids, 1990, 123, 283-285.	3.1	23
156	The devitrification of lithium metaborate: polymorphism and glass formation. Journal of Non-Crystalline Solids, 1990, 126, 42-51.	3.1	82
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