

List of Accepted Contributions Borate & Phosphate Glasses - Pardubice 2014

ID	Accepted as Lecture	Accepted as Poster	Authors	Contact / Presenting Author	Title
75	1		Kleman I., Feller S., Affatigato M.	Affatigato M.	Non-Isothermal Crystallization Analysis of Lithium Borate Glasses
5	1		Ahmed, I. Shaharuddin, S. I. S., Furniss, D and Rudd, C.D.	Ahmed I.	Novel Phosphate-Based Glass Fibres for Biomedical Applications: Core-Clad Quaternary Formulations
35		1	Aleksandrov L., Iordanova R., Wondraczek L, Herrmann A., Gao G., Dimitriev Y.	Alexandrov L.	Synthesis and structure of $\text{Eu}^{3+}/\text{Dy}^{3+}$ doped $50\text{ZnO}-10\text{WO}_3-40\text{B}_2\text{O}_3$ glass for optical application
19		1	Almeida J.M.P.* , Hernandes A.C., Mendonca C.R	Almeida J.M.P.	Femtosecond laser processing of borate glasses
171		1	B. Appa Rao ¹ and M.Chandra Shekhar Reddy ²	Appa Rao B.	Specific features of $^4\text{F}_{3/2} \rightarrow ^4\text{I}_{11/2}$ (1.06 μm) lasing transition of Nd^{3+} ions in antimony borate glasses
172		1	E. Ramesh Kumar, G. Bhikshamaiah, B. Appa Rao	Appa Rao B.	Ion transport mechanism in silver boro-tellurite glasses
34	1		Arbuzov V.I., Fyodorov Yu.K., Nikitina S.I., Smirnov R.V., Volynkin V.M., Voroshilova M.V.	Arbuzov V.	Melting Conditions Impact on the Properties of Copper Containing Phosphate Glasses for High-Power and High-Energy Amplifiers
38		1	Aseev V.A., Kolobkova E.V. , Nikonorov N.V. , Rokhmin A.S. , Fedorov Y.K.	Aseev V.A.	Ytterbium Metaphosphate Glass Doped with Erbium for Microchip Laser
66	1		Sharmin N., Barney E., Kemp T., Parsons A., Furniss D., Ahmed I., Rudd C.	Barney E.	Boron doped Phosphate-Based Glasses: Development of bio-active formulations for fibre drawing.
24	1		Baroni A., Ferlat G., Salanne M., Micoulaut M.	Baroni A.	Densified liquid B2O3: dynamic and structural properties
173		1	Bhikshamaiah G., Saritha D.	Bhikshamaiah G.	Structural, Optical and Glass Transition Studies of ZINC Bismuth Borate Glasses
176		1	Biryukov Y.P., Bubnova R.S., Filatov S.K.	Biryukov Y.P.	Synthesis and thermal behavior of $\text{Fe}_3\text{O}_2(\text{BO}_4)$, the iron oxoborate
129		1	Sava B A., Boroica L., Elisa M., Medianu R. V., Monteiro R.C.C.	Boroica L.	Boro-phosphate glasses doped with d and f oxides for photonics, preparation and characterization
54	1		Bouttes D., Vandembroucq D., Gouillart E., Dalmas D. , Boller E.	Bouttes D.	Morphology of Phase Separation and Coarsening of $\text{BaO} - \text{SiO}_2 - \text{B}_2\text{O}_3$ by X-Ray microtomography
63	1		Bouty O. , Delaye J.M., Peugeot S., Charpentier T., Beuneu B.	Bouty O.	Comparison between RMC structural modelling of a six-oxide borosilicate glass of nuclear interest and experimental data
74	1		Bragatto C.B., Rodrigues A.C.M.	Bragatto C.	Chemical activity of AgI and Ionic conductivity in $x\text{AgI}(1-x)\text{AgPO}_3$ glasses

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91	1		Döhler F., Mandlule A., van Wüllen L., Friedrich M., Brauer D.S.	Brauer D.S.	Dissolution of sodium calcium phosphate glasses
33	1		Brazhkin V.V., Katayama Y., Lyapin A.G.	Brazhkin V.	Transformations in B ₂ O ₃ and P ₂ O ₅ melts under compression and structure of densified B ₂ O ₃ and P ₂ O ₅ glasses
36		1	Trimble J., Harper T. Brennan C., Ingram A., Golovchak R., Oelgoetz J., Kovalskiy A.,	Brennan C.	Structural characterization of tin fluorophosphate glasses doped with rare earth metals.
152	1		Brow R.K. , George J.L. Goetschius, K.L.	Brow R.K.	Dissolution Kinetics of Borate Glasses in Aqueous Solutions
141	1		Bubnova R.S., Filatov S.K.	Bubnova R.S.	The high viscosity of borate glasses and crystals
78		1	C.Mugoni, G.Brogli, M.Montorsi, M.Affatigato, J. Du, C.Siligardi	C Mugoni.	Structure and electrical properties of vanado-phosphate glasses
109	1		J. C. Desmoulin, S. Thomas, T. Cardinal, S. Danto, N. Marquestaut, P. Hee,, M. Vangheluwe,, Y. Petit, E. Fargin, L. Canioni, Y. Messaddeq, R. Vallée, M. Dussauze.	Cardinal T.	Silver containing phosphate photosensitive glass : from dosimetry to femtosecond direct laser writing.
124		1	Ait Mouss R., Krimi S., Glorieux B., Cardinal T., Krimi S., Petit Y., I. Khattech, Jemal M., El Jazouli A. and Couzi M.	Cardinal T.	Copper and Silver phosphate glasses: relation between structure and physico-chemical properties.
146	1		Cormier L., Lelong G., Hennet L., Radtke G., Rueff J.-P., Ablett J.	Cormier L.	Multi-edge spectroscopic study in the lithium borate system
170	1		D'Angelo G.	D'Angelo G.	Structural, vibrational and thermal properties of borate glasses: influence of densification and modifying role of alkali metal cations
135	1		Gonçalves T. S., Moreira R., Eckert H., de Camargo A. S. S	de Camargo A.S.S.	Structure-property correlations in fluoro-aluminophosphate glasses doped with Er ³⁺ or Yb ³⁺ and co-doped with Er ³⁺ /Yb ³⁺
136		1	De Queiroz T. B., Botelho M. B. S., de Camargo A. S. S.	de Camargo A.S.S.	Excitation dependent color tuning and white light generation in Eu ³⁺ /Tb ³⁺ co-doped fluoro-aluminophosphate glasses
131		1	Almeida J.M.P, De Souza J.E., Rojas S.S., Hernandes A.C.	De Souza J.E.	Effect of Cs ₂ O in substitution of Li ₂ O on the non-crystalline structural arrangement of borate glasses containing lead oxide
28	1		Denker B.I., Egorova O.N., Galagan B.I., Semenov S.L., Sverchkov S.E., Velmiskin V.V., Dianov E.M.	Denker B.	Heavily Yb-Er doped phosphate glasses for the core of the silica laser fibers

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90		1	Derkacheva E.S., Krzhizhanovskaya M.G., Bubnova R.S., Filatov S.K., Ugolkov V.L.	Derkacheva E.S.	Thermal decomposition of $K_{1-x}Cs_xBSi_2O_6$
79		1	Deva Prasad Raju B., Madhukar Reddy C.	Deva Prasad Raju B.	NIR fluorescence studies of Nd^{3+} ions doped lead barium zinc lithium fluoroborate glasses
111		1	Dimitriev Y., Ilieva D., Iordanova R., Kashchieva E., Petrov I.	Dimitriev Y.	Immiscibility and Glass Formation in the System B_2O_3 - MoO_3 - CoO - ZnO
60		1	Dubiel M., Ehrst D.	Dubiel M.	Valence state and structural geometry of polyvalent Fe and Ti ions in sodium borosilicate glasses by X-ray absorption spectroscopy
126	1		Eckert H.,	Eckert H.	Structure/Property Correlations in Phosphate and Borate Based Mixed Network Former Glasses Studied by Solid State NMR
26	1		Edelman I., Ivanova O., Zubavichus Y., Zaikovskiy V., Curély J. and Kliava J.	Edelman I.	Phase separation and magnetic particles in borate glasses
17	1		Ehrst D.	Ehrst D.	Phosphate and fluoride phosphate optical glasses - properties, structure and applications
123		1	Eremyashev V.E., Mironov A.B., Osipov A.A.	Eremyashev V.E.	The Structural Role of Iron in the Alkali Borosilicate Glasses.
161		1	Eremyashev V.E., , , Salova T.P.	Eremyashev V.E.	The solubility of water in borosilicate glasses
96	1		Fan H., Del Campo L., Ory S., De Sousa Meneses D., Malki M., Echegut P.	Fan H.	Ionic Conductivity of Binary Lithium Borate Glasses
112	1		Fargin E., Vigourou H.x, Truong L.N., De Ligny D., Champagnon B., Dussauze M., Adamietz F., Rodriguez V., Corcoran A., Messaddeq Y., Santos L.F.	Fargin E.	Crystallization of $LaBGeO_5$ in La_2O_3 - B_2O_3 - GeO_2 boro-germanate glass; Second Harmonic Generation in the transparent glass ceramics
15		1	Rasmussen, P.J., Delgado, D., Maldonis, J., Parish, C., Bailey, M., McCoy, J., Kroeker, S., Michaelis, V., Morgan, N., Drapes, C., North, J., Ramm, A., Starkenburg, D., Hopkins, C., Affatigato, M., Feller, S.A.	Feller S.A.	Property Comparison of Ternary Borovanadate and Silicovanadate Glasses with Caesium and Lithium as Modifiers
16		1	Perez B, Starkenburg D, Drapes C, Franke M, Barnes N, Troendle E, Affatigato, Feller S, Zanotto E.D, Eckert H	Feller S.A.	Anomalous Glass Transition Temperature Widths and Structure in Low Modifier Content Borate Glasses

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100	1		Rice R, Brown J, Feller S, Holland D, Smith, M, Berkowitz, J, Tholen K, McConnell M, Khristinko V, Troendle E, Barnes N, Goranson K, Faaborg M, Affatigato M	Feller S.A.	Intermediate Range Structures of Alkali Borate Glasses as Determined by ¹⁰ Boron Solid-state Nuclear Magnetic Resonance
143	1		Ferlat G., Hay H., Seitsonen A.-P., Charpentier T., Lazzeri M., Mauri F.	Ferlat G.	First-principles simulations of B ₂ O ₃ : from crystals to liquid phases
55	1		Filatov S.K., Bubnova R.S.,	Filatov S.	High-temperature borate crystal chemistry
81		1	Fuchi S., Kimra R., Tabuchi M., Takeda Y.	Fuchi S.	Fluorescence XAFS measurements and luminescence properties of Sm ³⁺ -doped borate glasses
155		1	Fujimoto Y., Yanagida T., Koshimizu M., Asai K.	Fujimoto Y.	Basic luminescence and scintillation properties of Na ₂ O-Al ₂ O ₃ -B ₂ O ₃ glasses
156		1	Fujimoto Y., Yanagida T., Koshimizu M., Asai K.	Fujimoto Y.	TL and OSL properties of Ce ³⁺ -doped Ca ₃ B ₂ O ₆ crystals
58	1		Gandhi Y., Veeraiah N.	Gandhi Y.	De-clustering influence of Al ³⁺ ions on the up-conversion efficiency in Yb ³⁺ -Tm ³⁺ , Tm ³⁺ -Er ³⁺ and Er ³⁺ -Ho ³⁺ codoped CaF ₂ -B ₂ O ₃ -P ₂ O ₅ glass system
166		1	Gavenda T., Gedeon O., Jurek K.	Gavenda T.	The influence of electron irradiation on borosilicate glasses
48		1	Gegova R., Bachvarova-Nedelcheva A., Iordanova R., Dimitriev Y.	Gegova R.	Sol-Gel Materials and Glasses in the TiO ₂ -B ₂ O ₃ -TeO ₂ System
92	1		Glätzle M., Huppertz H.	Glätzle M.	High pressure borate apatites exhibiting boron in a fourfold coordination
2		1	Ziyatdinova M., Golubev N., Malashkevich G., Mamadzhanova E., Sigaev V.	Golubev N.	Synthesis and spectral-luminescent properties of huntite-like glasses co-doped with Ce, Tb and Sb
51		1	Gorelova L.A., Krzhizhanovskaya M.G., Bubnova R.S.,	Gorelova L.	Thermal Transformation Bakerite→Datolite→Okayamalite
8	1		Hannon A.C., Koudelka L., Rösslerova I.	Hannon A.C.	The Structure of Molybdenum- and Tungsten-doped Lead Phosphate Glasses.
167		1	Harizanova R., Vladislavova L., Mazhdrakova A., Bocker C., Avdeev G., Tsutsumanova G., Rüssel C., Gugov I.	Harizhanova R.	Crystallization Behaviour of Sodium-aluminoborosilicate Glasses with High Concentration of Alkaline Earth and 3d-transition Metals

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125	1		Hee P., Christensen R., Ledemi Y., Dussauze M., Y Petit, L. Canioni, Cardinal T. , Fargin E. , Kroeker S., Messaddeg Y.	Hee P.	Gallophosphate glasses: Optical properties and structural investigations
140	1		Hermansen C., Yue Y.Z.	Hermansen C.	Topological modeling of calcium borophosphate glasses
137		1	Holubova J., Černošek Z., Černošková E., Schwarz J., Nádvořník M.	Holubová J.	Study of Zinc Manganese Metaphosphate Glasses
50	1		Honma T., Komatsu T.	Honma T.	Phosphate based glass-ceramics for the sodium ion batteries
45	1		Hoppe U.	Hoppe U.	Atomic structure of ternary phosphate glasses: the compositional behavior of the oxygen coordination number of a second network-forming oxide
46		1	Hoppe U., Brow R.K., Hannon A.C., von Zimmermann M.	Hoppe U.	Structure of sodium niobato-borophosphate glasses: diffraction results
114	1		Hosokawa S., Sato H., Mimura K., Tezuka Y., Fukunaga D., Shimojo F.	Hosokawa S.	O 2p Partial Density of States and Bond Angles around O Atoms in Borate Glass: Soft X-Ray Emission and Ab Initio Molecular Dynamics Studies
165		1	Hruška B. , Chromčíková M. , Lissová M. , Holubová J. , Liška M.	Hruska B.	High temperature Raman spectra of PbO-WO ₃ -P ₂ O ₅ glasses.
87	1		He Dongbing, Hu Lili, Chen Huiyu, Xu Yongchun, Feng Suya	Hu Lili	Surface modification of Nd:phosphate laser glass
160		1	Chernyatjeva A. P., Spiridonova D.V., Filatova A.A., Krivovichev S.V.	Chernaytieva A.	New alkali metal diphosphates how materials to preserve the security of the environment: CsNaCu(P ₂ O ₇), Rb ₂ Cu(P ₂ O ₇) and CsNaCo(P ₂ O ₇) synthesis and crystal structure determination.
164		1	Chromčíková M., Teplanová M., Pliško A., Lissová M., Liška M.	Chromcikova M.	Crystallization kinetics of borosilicate glasses for CHROMPIC nuclear waste vitrification.
84	1		Inaba S., Hosono H., Ito S.	Inaba S.	Structure and properties of anisotropic phosphate glasses
52		1	Iordanescu R., Feraru I., Elisa M., Sava B., Boroica L., Valeanu M., Kuncser V., Sofronie M.	Iordanescu R.	Magnetic and magneto-optical properties of La, Y and Eu-doped phosphate glasses
47		1	Ishii Y., Kasahara K., Ohtori N., Shiraki K., Umesaki N., Salanne M., Madden P. A.	Ishii Y.	Modeling of Interionic Interaction in Borate Crystals Based on First-Principles Calculation
85	1		Udaya Kumar K., Patarawagee Yasaka, Keerati Kirdsiri, Parnuwat Chimalawong, Jakrapong Kaewkhao, Jayasankar C.K.	Jayasnakar C.K.	White light luminescence of Dy ³⁺ :bismuth borate glasses

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30		1	Kalenda P. Rösslerová I., Koudelka L., Mošner P., Montagne L., Revel B.	Kalenda P.	Structure and properties of 1-x(50PbO-20B ₂ O ₃ -30P ₂ O ₅)-xWO ₃ glasses
95	1		Khanna A	Khanna A.	Structure-property correlations in lead and bismuth borate, aluminoborate, borosilicate and aluminoborosilicate glasses
162		1	Seema , Khasa S. *, Dahiya S. , Dahiya M.S.	Khasa S.	DC Conductivity and Structure of Lithium Borate Glasses Containing Small Amount of Iron.
94	1		Kitamura N., Hisano Y., Fukumi K., Kohara S., Ofuchi H., Honma T., Kozuka H.	Kitamura N.	Structural Approach on Optical Properties of BaO-Nb ₂ O ₅ -P ₂ O ₅ Glass
107	1		Kitamura N., Hisano Y., Fukumi K., Kohara S., Ofuchi H., Honma T., Kozuka H.	Kitamura N.	Structural Approach on Optical Properties of BaO-Nb ₂ O ₅ -P ₂ O ₅ Glass
168	1		Knowles, J.C. , , Hyun, R.H.	Knowles J.C.	Processing and Utilisation of Phosphate Glass Fibres for Nerve Repair
150	1		Komatsu T.	Komatsu T.	Recent Progress in Laser Patterning in Borate Glasses
169	1		Kivovichev S.V.	Krivovichev S.V.	Stanislav Konstantinovich Filatov: Life, Crystal Chemistry and Crystal Chemistry of Borates
118	1		Kroeker, S., Wren, J.E.C., Michaelis, V.K., Aguiar, P.M., Feller, S.A.	Kroeker S.	Structure and Speciation in Borogallate, Boroaluminate and Borovanadate Glasses: The View from Multinuclear Magnetic Resonance
151	1		Krol D.M. , Troy N.W. , Fletcher L.B. , Smith C. , Brow R.K.	Krol D.M.	Femtosecond laser structuring of zinc phosphate glasses
139		1	Krzhozhanovskaya M.G., Paufler P., Filatov S.K., Bubnova R.S.	Krzhozhanovskaya M.G.	Density, refraction and thermal expansion of alkali borate and borosilicate glasses and crystals.
120		1	Kupracz P. *, Szreder N. A., Karczewski J., Gazda M., Wicikowski L., Barczyński R. J.	Kupracz P.	Micrography and electrical properties of borosilicate glasses containing manganese ions prepared by sol-gel method
76		1	Ledemi Y., Trudel A-A., Rivera V.A.G., Chenu S., Allix M., Véron E., Nunes L.A. , Messaddeq Y.	Ledemi Y.	White light and multicolor emission tuning in triply doped Yb ³⁺ /Tm ³⁺ /Er ³⁺ novel fluoro-phosphate transparent glass-ceramics.
77		1	Ledemi Y., Bérubé J-P., Vallée R., Messaddeq Y.	Ledemi Y.	Refractive index modification in fluoro-borate glasses containing WO ₃ induced by femtosecond laser
130	1		Lelong G., Cormier L., Radtke G., Rousse G., Baptiste B, Rueff J-P., Ablett, J.	Lelong G.	Probing the oxygen environment of lithium borate glasses/crystals using inelastic X-ray scattering at the oxygen K-edge.
37	1		F. Lindner, S. Unger, A. Kriltz, A. Scheffel, A. Delith, J. Delith, H.Bartelt	Lindner F.	Phosphorous incorporation in silica during Modified Chemical Vapor Deposition (MCVD) combined with solution doping

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154	1		Liška M. , Macháček J. , Chromčíková M. , Gedeon O.	Liska M.	Thermodynamic model and structure of ZnO-MoO ₃ -P ₂ O ₅ glasses.
20	1		Lönnroth N., Abel B., Aitken B.	Lönnroth N.	Glasses and glass ceramics in Li _{1+x} Cr _x Ge _y Ti _{2-x-y} (PO ₄) ₃ with Li-conducting NZP phase
21	1		Lönnroth N., Youngman R.	Lönnroth N.	ZnO and Bi ₂ O ₃ effect on borate glass structure and properties
175		1	R. Ciceo Lucacel, T Radu, O.Ponta	Lucacel Ciceo Raluca	Selenium containing borophosphate glass system characterization
158	1		Majérus O. , Tregouët H. , Caurant D. , Pytalev D.	Majerus O.	Comparative study of the rare earth distribution of sites in sodium borate glasses and in REB ₃ O ₆ metaborate glass (RE = La, Nd, Eu)
159		1	Caurant D., Majérus O. , Quintas A. , Charpentier T. , D. Neuville , Tréguët H.	Majerus O.	Effect of B ₂ O ₃ addition on the network structure and crystallization of a rare earth-rich soda-lime aluminosilicate glass
147	1		Martin S.W., Mass P., Christensen R., Olson G., Schuch M., Trott C.	Martin S.W.	"On the Role of Boron on the Structure and Properties of Mixed Glass Former Na ⁺ Ion Conducting Na ₂ O + B ₂ O ₃ + P ₂ O ₅ Glassy Solid Electrolytes"
148	1		Martin S.W., Bischoff C., Schuller K., Dunlap N.	Martin S.W.	On the Structure and Properties of New Mixed Glass Former Na ₂ S + GeS ₂ + PS _{5/2} Glassy Solid Electrolytes for Low Temperature All Solid State Sodium Batteries
149	1		Martin S.W., Marple M., Bischoff C., Schuller K., Berbano S.	Martin S.W.	Structure and Glass Relaxation Studies of Melt Quenched and Mechanically Milled Na ₂ S + P ₂ S ₅ Glasses
43		1	Masai H., Shirai R., Miyazaki T., Yoshida, K., Fujiwara T., Tokuda Y., Yoko T.	Masai H.	Preparation of SrO-BaO-Nb ₂ O ₅ -P ₂ O ₅ glass and the glass-ceramics.
44		1	Masai H., Tanimoto T., Fujiwara T., Matsumoto S., Tokuda, Y., Yoko T	Masai H.	Substitutional effect of divalent metal oxide on emission property and structure of SnO-ZnO-P ₂ O ₅ glasses
67	1		Normandeau, C.O.; Olivier-Caron, W. ; Landry, A.K. ; Viens, J.F.; Messaddeq, Y.	Messaddeq Y.	Electro-chemical phosphate sensor.
61	1		Vignarooban K., Boolchand P., Micoulaut M., Malki M., Kerner R.	Micoulaut M.	Network dimensionality and alkali modification driven elastic phases in alkali borates
59	1		Moguš-Milanković A., Pavić L., Skoko Ž., Graca M.P.F , Costa B.F.O., Valente M.A.	Moguš-Milanković A.	Correlation between structural changes and electrical properties of crystallized iron phosphate glass
144	1		Möncke D., Müller M.	Möncke D.	Doris Ehrt - Glass Chemical Research in the Spirit of Otto-Schott
145	1		Möncke D.	Möncke D.	Metal ions in borate and borosilicate glasses: cluster formation and borate ligand speciation

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9	1		Montagne L., Lemesle T., Mear F.O., Campayo L., Pinet O.	Montagne L.	Immobilization of radioactive iodine in phosphate glasses
105		1	Mošner P., Vorokhta M., Koudelka L., Montagne L., Revel B.	Mošner P.	Structure and properties of lead-yttrium phosphate and borophosphate glasses
110	1		Mountjoy, G.	Mountjoy G.	Progress in atomistic models and simulations of phosphate glasses.
127		1	Al-Hasni B., Martin R.A., Mountjoy, G.	Mountjoy G.	Molecular dynamics modelling of sodium and calcium metaphosphate glasses for biomaterial applications.
128		1	Al-Hasni B., Mountjoy, G.	Mountjoy G.	Molecular dynamics modelling of Sodium borophosphate glasses containing niobium, $Nb_2O_5-Na_2B_4O_7-NaPO_3$.
12	1		Muñoz F., Mascaraque N., Durán A., Tricot G., Montagne L., Rodrigues A.C.M.	Muñoz F.	Structure-properties relationships in lithium oxynitride phosphate glasses
13		1	Hockicko P., Bury P., Muñoz-Senovilla L., Muñoz F.	Muñoz F.	Acoustic attenuation spectroscopy and electrical properties of phosphate and oxynitride phosphate glasses
14		1	Muñoz F., Mascaraque N., Durán A., Muñoz-Senovilla L.	Muñoz F.	The chemistry and applications of oxynitride phosphate glasses
138	1		Muñoz-Senovilla L., Venkatachalam S., Muñoz F., Van Wüllen L.	Munoz Senovilla L.	Influence of the structure on viscosity in phosphate glasses
56		1	Kolobkova E., Kukushkin D., Nikonorov N., Sidorov A.	Nikoronov N.	Luminescent properties of fluorophosphate glasses doped with $(CdS)_n$ and $(CdSe)_n$ molecular clusters
133	1		Onushchenko P.A., Golubkov V.V.	Onushchenko P.A.	Investigation of relaxation processes in vitreous boron oxide using small-angle X-ray scattering methods.
121		1	Osipov A.A., Osipova L.M.	Osipov A.A.	Low-Frequency Raman Scattering in the $BaO-B_2O_3$ Glasses: Temperature Effect.
122	1		Osipov A.A., Osipova L.M., Zainullina R.T.	Osipov A.A.	Structural Units of the Alkali Borate Glasses and Melts.
93		1	Palles D., Tricot G., Kamitsos E.I.	Palles D.	Contamination of phosphate glass melts prepared in alumina crucibles. The case of $AgI-AgPO_3$ as studied by IR, Raman and NMR spectroscopy.
1		1	Panchal H.	Panchal H.	Structural, Physical and Electrical properties of boro-vanadate-iron glasses doped with K_2O alkali
3	1		Parsons A.J., Sharmin, N., Shaharuddin, S. I. S., Rudd, C.D.	Parsons A.J.	Viscosity profiles of Phosphate Glasses Through Combined Quasi-static and Bob-in-Cup Methods
62	1		Pavić L., Graca M.P.F., Skoko Ž., Valente M.A., Moguš-Milanković A.	Pavic L.	Effect of Crystallization on the Magnetic Properties of $40Fe_2O_3-60P_2O_5$ Glass

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53	1		Pietrzak T.K., Garbarczyk, J.E., Wasiucionek M., Nowiński J.L.	Pietrzak T.K.	Novel nanomaterials based on $\text{Li}_2\text{O}-\text{FeO}-\text{V}_2\text{O}_5-\text{P}_2\text{O}_5$ glasses
72		1	Pisarska J., Kos A. Żur L., Sołtys M., Pisarski W.A.	Pisarska J.	Excitation energy transfer processes from Tb^{3+} to Ln^{3+} ($\text{Ln} = \text{Eu}, \text{Sm}$) in lead borate glasses
73		1	Pisarski W.A., Pisarska J., Dorosz D., Dorosz J.	Pisarski W.	Pr^{3+} and Er^{3+} ions in lead-free oxyfluoride borate glasses
23	1		Potuzak M., King E.A.	Potuzak M.	Properties and trends in Na-containing boro- and phospho-aluminosilicate glasses in peralkaline, peraluminous and metaluminous compositional fields - The mixed-network formers effect
18	1		Pukhkaya V, Ollier N., Trompier F.	Pukhkaya V.	Paramagnetic and diamagnetic P-related point defects in 2.5 MeV electron irradiated Yb-doped phosphate glasses
32		1	Račický A., Mošner P. Koudelka L., Montagne L., Revel B.	Račický A.	Glass-forming ability, structure and physical properties of $\text{ZnO}-\text{In}_2\text{O}_3-\text{P}_2\text{O}_5$ glasses
115		1	Raykov R., Staneva A., Dimitriev Y., Kashchieva E., Blagoev B.	Raykov R.	Glass and glass ceramics in the $\text{La}_2\text{O}_3-\text{Gd}_2\text{O}_3-\text{PbO}-\text{MnO}-\text{B}_2\text{O}_3$ system
101		1	Rincón J. Ma., González Oliver C.J.R., Arboleda P.A., Barolin S., Rodríguez D.S.	Rincón J.Ma.	New iron uranium phosphate glasses, their obtention and characterization: Thermal behavior and chemical durability
102		1	Rincón- Mora B., Jordán M., Pardo F., Sanfeliú T., Rincón Ma.	Rincón J.Ma.	New Glasses and Glassceramics-glazes in the $\text{Li}_2\text{O}-\text{K}_2\text{O}-\text{CaO}-\text{Al}_2\text{O}_3-\text{SiO}_2-\text{B}_2\text{O}_3$ complex system from Pegmatite Wastes
134	1		Rioux M., Ledemi Y., Viens J., Messaddeq Y.	Rioux M.	Development of an ion conducting glass for electro-optical applications
71	1		Rodrigues, A.C.M., Bragatto, C.B., Nascimento, M.L.F., Souquet, J.L.	Rodrigues A.	Charge carrier mobility and concentration as a function of composition in AgPO_3-AgI glasses.
98		1	Cárdenas A., Rodríguez Chialanza M., Castiglioni E., Azcune G. Fornaro L.	Rodriguez Chialanz M.	Thermally stimulated luminescence studies in Borate Glasses
99		1	Rodríguez Chialanza M., Cárdenas A., Azcune G. Fornaro L.	Rodriguez Chialanz M.	Optical Band Gap Determination in Borate Glasses
163	1		Chenu S., Bénard-Rocherullé P., Lebullenger R., Rocherullé J.	Rocherulle J.	Synthesis and characterization of a new NZP material prepared from a phosphate based glass reactive sintering
104		1	Rojas S.S., De Souza J.E., Yukimitu K. Hernandez A.C.	Rojas S.S.	Structural, thermal and optical properties of CaBO and CaLiBO glasses doped with Eu^{3+}
174	1		Rossi A.	Rossi A.	"Surface chemistry and tribological properties of polyphosphate glasses".
29		1	Rösslerová I., Koudelka L., Mošner P., Montagne L., Revel B.	Rösslerová L.	Investigation of $1-x(50\text{PbO}-20\text{B}_2\text{O}_3-30\text{P}_2\text{O}_5)-x\text{MoO}_3$ glasses

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65	1		Saberi A., Rosin A., Kyrgyzbaev K., Gerdes T., Willet- Porada M.	Saberi A.	Microstructure of Porous Glasses in System of SiO ₂ -B ₂ O ₃ -Na ₂ O Melted in Electric Heated Mini-melter
97		1	Saberi A., Willet- Porada M.	Saberi A.	SMART FRIT: a Concept for Introducing Redox Sensitive Colorants in Glass Melts
39	1		Sahaya Baskaran G. , Jagan Mohini G., Veeraiah N.	Sahaya Baskaran G.	Structural role of titanium ions on the enhancement of bioactivity of B ₂ O ₃ -SiO ₂ -Na ₂ O-CaO glass system
27	1		Saitoh A., Grégory T., Takebe H.	Saitoh A.	Low photoelastic property and structure in water durable ZnO-SnO-P ₂ O ₅ -B ₂ O ₃ glasses
157	1		Salmon P.S. , Zeidler A.	Salmon P.	Density-driven structural transformations in B ₂ O ₃ glass
86		1	Shablinskii A. P., Bubnova R.S., Volkov S.N., Filatov S.K., Krzhizhanovskaya M.G., Drozdova I.A..	Shablinskii A.	Crystal structures and glass-ceramics of solid solutions Sr _{1-x} Ba _x Bi ₂ B ₂ O ₇
49	1		Shaw A., Ghosh A.	Shaw A.	Ac conductivity and relaxation in CdI ₂ doped lithium phosphate glasses
11	1		Shilie Pan., Hongwei Yu.,	Shilie Pan.	New borate nonlinear optical materials
10	1		Shinozaki K., Affatigato M., Honma T., Komatsu T.	Shinozaki K.	High Quantum Yield and Low Concentration Quenching of Eu ³⁺ Emission in Oxyfluoride Glass with High BaF ₂ and Al ₂ O ₃ Contents and Their Glass Structure
68	1		Babkina A.N., Nikonorov N.V., Shirshnev P.S., Sidorov A.I.	Shrishnev P.	Absorption and luminescent thermochromism of copper- and chlorine-containing potassium-alumina-borate glasses
31		1	Schneider M., Reich M.-L., Kunze M., Schmidbauer W.	Schneider M.	Influence of microstructure on ionic conductivity in Li ₂ O-Al ₂ O ₃ -TiO ₂ -P ₂ O ₅ glass-ceramics
6	1		Schneider R., Felix, J. F., Santa-Cruz, Petrus	Schneider R.	Formation of nanostructured metallic films from smart active phosphate glasses by bottom-up process: Ag ₀ and Ni ₀ synthesis
7	1		D. L. Sidebottom, T. Tran and S. E. Schnell	Sidebottom D.L.	Dynamic light scattering in alkali phosphate melts and the role of intermediate range order in the fragility of network-forming oxides
25	1		Sohr G., Neumair S.C., Huppertz H.	Sohr G.	Recent Advances in the High-Pressure Chemistry of Alkali Metal and Alkali Metal Equivalent Borates
88		1	Sołtys M., Żur L., Pisarska J., Pisarski W.A.	Sołtys M.	Compositional-dependent europium-doped lead phosphate glasses and their spectroscopic properties
108	1		F. Spadaro, A. Rossi ,, C. Ricci, E. Laine, J. Hartle and N.D. Spencer*	Spadaro F.	Investigation of Zinc Borate Glasses
69	1		Stebbins, J.F., Morin, E., Wu, J.	Stebbins J.F.	Effects of temperature, pressure, and cation field strength on aluminoborosilicate glass network structure
42		1	Masai H., Suzuki T., Takahashi Y., Fujiwara T., Ohishi Y.	Suzuki T.	NIR emission of Bi-doped TiO ₂ -ZnO-B ₂ O ₃ -Al ₂ O ₃ glass.

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119		1	Szreder N.A.*, Kupracz P., Karczewski J., Gazda M., Barczyński R.J.	Szreder N.A.	Microstructure and dielectric properties of strontium-borate glasses containing bismuth and vanadium oxides
116	1		Takada Akira	Takada Akira	Comparison of Structural Orders between B ₂ O ₃ , P ₂ O ₅ and SiO ₂ Systems by Computer Simulation
80	1		Takebe H., Kitamura N., Amamoto I., Kobayashi H., Mitamura N., Tsuzuki T.	Takebe H.	Composition Optimization of Iron Phosphate Glasses for Radioactive Sludge
64	1		Trégouët H., Caurant D., Majérus O., Cormier L., Charpentier T., Vezin H., Pytalev D.	Trégouët H.	A new insight on rare-earth (RE) metaborate glass composition REB ₃ O ₆ through a multi-spectroscopic approach
57	1		Tricot G., Ragueneau B., Pradel A., Silly G., Ribes M.	Tricot G.	The structure of boro-phosphate glasses revisited by ¹¹ B/ ³¹ P correlation NMR.
153	1		van Wüllen L., Venkatachalam S., Engelmayer M.	van Wüllen L.	The structure of glasses and its evolution above T _g – crystallisation, phase separation and species exchange: lessons from <i>in situ</i> MAS-NMR.
132	1		Vedishcheva N.M., Wright A.C.	Vedishcheva N.M.	Short- and Intermediate-range Order in Sodium Borosilicate Glasses: A Quantitative Thermodynamic Approach
89	1		Veeraiah N., Gandhi Y., Bhaskar Sanyal, Swamy B.J.R.S.	Veeraiah N.	Thermoluminescence dose response of calcium fluoro boro phosphate glasses doped with some transition metal ions
83	1		Venkata Krishnaiah K., Devarajulu G., Suresh K., Linganna K., Jayasanakar C.K.	Venkata Krishnaiah K.	Broadband luminescence at 1.5 μm of Er ³⁺ -doped high-magnesia metaphosphate glasses
106		1	Vorokhta M., Mošner P. Koudelka L., Montagne L., Revel B.	Vorokhta M.	Structure and properties of GeO ₂ containing silver borophosphate glasses
82		1	Watanabe K., Fuchi S, Kohara S	Watanabe K.	High-energy X-ray diffraction measurements and luminescence properties of Sm ³⁺ -doped borate glasses
117	1		Winterstein A., Möncke D., Palles D., Kamitsos E.I., Wondraczek L.	Winterstein A.	Structural investigation of highly modified Eu ²⁺ -Sr ²⁺ -borate glasses
4	1		Wright, A.C., Sinclair, R.N., Stone, C.E., Shaw, J.L., Feller, S.A., Williams, R.B., Fischer, H.E., Vedishcheva, N.M.,	Wright A.C.	A Neutron Diffraction Study of Six M ₂ O×M' ₂ O×5B ₂ O ₃ Mixed-Modifier Di-Pentaborate Glasses
40		1	Yanagida T., Fujimoto Y., Masai H.	Yanagida T.	Radiation induced luminescence properties of pure and Sn-doped 60ZnO-40P ₂ O ₅ glass.
41		1	Yanagida T., Fujimoto Y., Masai H.	Yanagida T.	Scintillation and dosimeter properties of 40Li ₂ O-40B ₂ O ₃ -20SiO ₂ glass with different Sn concentrations.

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22	1		Youngman R.E., Mauro J.C., Smedskjaer M.M.,	Youngman R.	Structure-Property Relationships in Pyrex [®] and Related Boroaluminosilicate Glasses
113	1		Youngman R.E., Aitken B.G.	Youngman R.	Structure-Property Relations in Antimony Molybdophosphate Glasses
142	1		Yue Y.Z.	Yue Y.Z.	Glass Transition and Relaxation in Pressure-Quenched Borate and Borosilicate Glasses.
103		1	Lin C.T., Yung S.W., Zhang T., Lai Y.S., Wu F.B., Chiang H.Y.	Yung S.W.	White light emission of Tm ₂ O ₃ and Dy ₂ O ₃ co-doped zinc-aluminum phosphate glasses under UV light excitation
70		1	Žur L., Sołtys M., Pisarska J., Goryczka T., Pisarski W.A.	Žur L.	Thermal, structural and optical properties of Eu ³⁺ and Er ³⁺ ions in lead phosphate glasses with different oxide and fluoride modifiers