

Ryszard J. Barczyński

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ion conduction in beryllium-alumino-silicate glasses doped with sodium or sodium and lithium ions. <i>Solid State Ionics</i> , 2019, 341, 115055.	2.7	8
2	Thermal, electrical, and magnetic properties of Fe ₂ O ₃ -PbO-SiO ₂ glass prepared by traditional melt-quenching and twin roller fast-cooling methods. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 135, 109010.	4.0	5
3	Nonlinear electrical properties of glass-ceramics nanocomposites containing ferroelectric nanocrystallites of Bi ₂ VO _{5.5} . <i>Solid State Ionics</i> , 2018, 317, 7-14.	2.7	3
4	Electrical properties of Na ₂ O-CaO-P ₂ O ₅ glasses doped with SiO ₂ and Si ₃ N ₄ . <i>Solid State Ionics</i> , 2018, 325, 157-162.	2.7	8
5	A method of determination of electrical conduction mechanisms in complex amorphous materials. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 223-227.	3.1	0
6	Mixed ionic-electronic conductivity and structural properties of strontium borate glass containing nanocrystallites of Bi ₂ VO _{5.5} . <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700093.	1.5	5
7	Polaron hopping conduction in manganese borosilicate glass. <i>Journal of Non-Crystalline Solids</i> , 2017, 458, 15-21.	3.1	10
8	Electrical conductivity and relaxation processes in V ₂ O ₅ nanorods prepared by sol-gel method. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2111-2116.	1.5	17
9	Electronic and ionic relaxations in strontium borate glass and glass-ceramics containing bismuth and vanadium oxides. <i>Solid State Ionics</i> , 2015, 282, 37-48.	2.7	9
10	Nonlinear and linear impedance of bismuth vanadate ceramics and its relation to structural properties. <i>Solid State Ionics</i> , 2015, 271, 86-90.	2.7	6
11	Microstructure and Dielectric Properties of Barium-vanadate Glasses. <i>Procedia Engineering</i> , 2014, 98, 62-70.	1.2	6
12	Impedance Studies of Phosphate-iron Glasses Containing Niobium and Titanium. <i>Procedia Engineering</i> , 2014, 98, 56-61.	1.2	3
13	Phase Separation and Electrical Properties of Manganese Borosilicate Glasses. <i>Procedia Engineering</i> , 2014, 98, 71-77.	1.2	1
14	Electronic conductivity in the SiO ₂ -PbO-Fe ₂ O ₃ glass containing magnetic nanostructures. <i>Solid State Ionics</i> , 2014, 262, 801-805.	2.7	7
15	Nanostructure and dielectric behavior of vanadate glasses containing BaTiO ₃ . <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 202-206.	3.1	15
16	Electrical properties and structure of lead-borate glass containing iron ions. <i>Solid State Ionics</i> , 2014, 262, 837-840.	2.7	9
17	Synthesis, single crystal growth and properties of Sr ₅ Pb ₃ ZnO ₁₂ . <i>Journal of Alloys and Compounds</i> , 2014, 617, 63-68.	5.5	1
18	Effect of Cr and Mn doping on ferroelectric and dielectric properties of Li _{1.72} Na _{0.28} Ge ₄ O ₉ single crystals. <i>Phase Transitions</i> , 2013, 86, 230-237.	1.3	3

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19	Nonlinear impedance in oxide glasses containing single and mixed alkali ions. Solid State Ionics, 2012, 225, 359-362.	2.7	0
20	Response on "Commentary on Nonlinear impedance as a possible result of ion-polaron interaction in Cu ₂ O-Al ₂ O ₃ -SiO ₂ glass". Journal of Non-Crystalline Solids, 2011, 357, 1833.	3.1	0
21	Ac and dc conductivities in V ₂ O ₅ -P ₂ O ₅ glasses containing alkaline ions. Journal of Non-Crystalline Solids, 2010, 356, 1965-1967.	3.1	38
22	Nonlinear impedance as possible result of ion-polaron interaction in Cu ₂ O-Al ₂ O ₃ -SiO ₂ glass. Journal of Non-Crystalline Solids, 2010, 356, 1962-1964.	3.1	4
23	Mixed conductivity in tungstenite-phosphate glasses containing alkali metal ions. Journal of Non-Crystalline Solids, 2008, 354, 4275-4277.	3.1	4
24	Multiple acoustic and optical phonon-assisted hopping in oxide glasses containing transition metal ions. Journal of Non-Crystalline Solids, 2006, 352, 4229-4231.	3.1	9
25	Electronic and ionic relaxations in oxide glasses. Solid State Ionics, 2005, 176, 2145-2151.	2.7	61
26	The photoconductivity of sol-gel derived TiO ₂ films. Optical Materials, 2004, 26, 151-153.	3.6	24
27	Electronic conductivity in Na ₂ O-FeO-P ₂ O ₅ glasses. Solid State Ionics, 2003, 157, 293-298.	2.7	44
28	Mixed ionic-polaron transport and rapid crystallization in (Bi,Pb)-Sr-Ca-Cu-O glass. Solid State Ionics, 2003, 157, 299-303.	2.7	9
29	Ionic conductivity of bismuth silicate and bismuth germanate glasses. Solid State Ionics, 2003, 159, 293-299.	2.7	23
30	Mixed electronic-ionic conductivity in transition metal oxide glasses containing alkaline ions. Journal of Non-Crystalline Solids, 2002, 307-310, 1055-1059.	3.1	36
31	AC conductivity of Bi-Sr-Ca-Cu-O glasses. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 426-428.	2.9	1
32	Electrical relaxation in iron-containing glasses. IEEE Transactions on Dielectrics and Electrical Insulation, 2001, 8, 442-446.	2.9	1
33	The electronic conductivity mechanism in Bi-Sr-Ca-Cu-O glass-ceramics. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 1093-1103.	0.6	10
34	Superconducting Properties of Bi-Sr-Ca-Cu-O Crystallized Glass. International Journal of Modern Physics B, 1999, 13, 985-989.	2.0	1
35	<title>Comparison of Kohlrausch-Williams-Watt and power-law analyses in iron phosphate glasses</title>. , 1997, , .		0
36	<title>V$\langle inf \rangle$2</math>O$\langle inf \rangle$5</math>-P$\langle inf \rangle$ glass and its polaron transport properties derived from molecular dynamic simulations of structure</title>. , 1997, , .		1

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37	Dielectric relaxation in semiconducting oxide glasses. Journal of Non-Crystalline Solids, 1996, 196, 275-279.	3.1	31
38	Dielectric properties of transition metal oxide glasses. Journal of Non-Crystalline Solids, 1995, 185, 84-93.	3.1	64
39	Low-temperature mechanical energy dissipation phenomena in lanthanum superconductors. Physica C: Superconductivity and Its Applications, 1993, 207, 300-306.	1.2	12
40	Mechanical energy dissipation phenomena in 1-2-4 yttrium superconductors. Journal of Physics Condensed Matter, 1992, 4, L115-L117.	1.8	1
41	Some aspects of mechanical energy dissipation phenomena in yttrium superconductors.. Solid State Communications, 1992, 83, 793-797.	1.9	6
42	Variations of internal friction in YBa ₂ Cu ₃ O _x superconductors. Journal of Materials Science, 1990, 25, 2125-2128.	3.7	1
43	Internal friction in high T _c iron doped 1-2-3 yttrium ceramic superconductors. Solid State Communications, 1990, 74, 595-598.	1.9	19
44	Relaxation phenomena in 1-2-3 high T _c superconductors. Solid State Communications, 1990, 75, 789-790.	1.9	7
45	Elastic constant and internal friction in YBa ₂ Cu ₃ O _x single crystal. Solid State Communications, 1990, 76, 357-360.	1.9	7
46	Superconducting and anelastic effects in Pb-doped BiSrCaCuO ceramics. Physica C: Superconductivity and Its Applications, 1989, 160, 25-29.	1.2	7
47	Internal friction in ErBa ₂ Cu ₃ O _x superconductors. Physica C: Superconductivity and Its Applications, 1989, 158, 497-500.	1.2	12
48	Anelastic effects in CuO. Solid State Communications, 1989, 72, 97-99.	1.9	9