

Franciszek Krok

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Defect chemistry of the BIMEVOXes Electronic supplementary information (ESI) available: full list of schemes for all combinations of I and CN generated using the program DEFEQN. A listing of the program is also available. See http://www.rsc.org/suppdata/jm/b2/b203992n/ . Journal of Materials Chemistry, 2002, 12, 3351-3362.	6.7	91
2	Chemical intercalation of magnesium into solid hosts. Journal of Materials Chemistry, 1991, 1, 705.	6.7	79
3	A model for the mechanism of low temperature ionic conduction in divalent-substituted $\hat{\Gamma}^3$ -BIMEVOXes. Solid State Ionics, 2003, 157, 139-145.	2.7	61
4	Polycrystalline BIMGVOX.13 studied by impedance spectroscopy. Solid State Ionics, 2005, 176, 2085-2093.	2.7	52
5	Correlation of defect structure and ionic conductivity in $\hat{\Gamma}$ -phase solid solutions in the Bi_3NbO_7 – Bi_3YO_6 system. Solid State Ionics, 2006, 177, 1761-1765.	2.7	47
6	Phase transition studies in BIMEVOX solid electrolytes using AC impedance spectroscopy. Solid State Ionics, 2005, 176, 2053-2058.	2.7	43
7	Effects of preparation parameters on oxygen stoichiometry in $\text{Bi}_4\text{V}_2\text{O}_{11}$. Journal of Materials Chemistry, 1998, 8, 1213-1217.	6.7	38
8	Phase transitions in the BIZRVOX system. Solid State Ionics, 2005, 176, 1731-1737.	2.7	37
9	Electrical conductivity and structure correlation in BIZNVOX. Solid State Ionics, 1999, 119, 139-144.	2.7	36
10	A Combined Total Scattering and Simulation Approach to Analyzing Defect Structure in Bi_3YO_6 . Chemistry of Materials, 2010, 22, 4435-4445.	6.7	36
11	Structure of the cubic intercalate Mg_xTiS_2 . Journal of Materials Chemistry, 1992, 2, 139.	6.7	33
12	Stabilisation and characterisation of a new $\hat{\Gamma}^2\text{III}$ phase in Zr-doped Bi_2O_3 . Journal of Materials Chemistry, 2001, 11, 1715-1721.	6.7	32
13	Relaxation dispersion of ionic conductivity of BICOVOX. Solid State Ionics, 1999, 119, 145-150.	2.7	31
14	Defect structure and electrical conductivity in Bi_3TaO_7 . Solid State Ionics, 2008, 179, 1013-1017.	2.7	31
15	Structural and electrical properties of $\text{Bi}_3\text{Nb}_{1-x}\text{Er}_x\text{O}_7$. Solid State Ionics, 2010, 181, 796-811.	2.7	24
16	Defect structure and ionic conductivity in $\text{Bi}_3\text{Nb}_0.8\text{W}_0.2\text{O}_7$.1. Journal of Solid State Electrochemistry, 2006, 10, 569-574.	2.5	23
17	Investigation of transport numbers in yttrium doped bismuth niobates. Journal of Power Sources, 2009, 194, 16-19.	7.8	21
18	A new highly conducting fluorite phase in the bismuth-zirconium-niobate system. Solid State Ionics, 2004, 175, 335-339.	2.7	20

#	ARTICLE	IF	CITATIONS
19	Oxide ion distribution and conductivity in $\text{Bi}_7\text{Nb}_2\text{O}_{15.5}\text{O}_x$. Solid State Ionics, 2008, 179, 975-980.	2.7	19
20	Thermal Variation of Structure and Electrical Conductivity in $\text{Bi}_4\text{YbO}_{7.5}$. Chemistry of Materials, 2013, 25, 326-336.	6.7	19
21	Influence of doping on some physical properties of NASICON. Solid State Ionics, 1983, 9-10, 803-807.	2.7	14
22	Effects of ageing on defect structure in the $\text{Bi}_3\text{NbO}_7\text{Bi}_3\text{YO}_6$ system. Journal of Power Sources, 2007, 173, 788-794.	7.8	13
23	Ordered fluorite phases in the $\text{Bi}_2\text{O}_3\text{-Ta}_2\text{O}_5$ system: A structural and electrical investigation. Solid State Ionics, 2011, 202, 22-29.	2.7	13
24	Polymer electrolytes based on PEO and aluminum carboxylates. Solid State Ionics, 2002, 152-153, 227-234.	2.7	12
25	A neutron total scattering study of defect structure in $\text{Bi}_3\text{Nb}_{0.5}\text{Y}_{0.5}\text{O}_6$. Solid State Ionics, 2011, 192, 176-180.	2.7	12
26	The double rare-earth substituted bismuth oxide system $\text{Bi}_3\text{Y}_1\text{Y}_x\text{O}_6$. Solid State Ionics, 2015, 269, 37-43.	2.7	12
27	The appearance of an orthorhombic BIMEVOX phase in the system $\text{Bi}_2\text{Mg}_x\text{V}_{1-x}\text{O}_{5.5}\text{O}_x$ at high values of x. Solid State Ionics, 2008, 179, 82-87.	2.7	10
28	Phase stabilization and electrical characterisation in the pseudo-binary system $\text{Bi}_2\text{ZrO}_5\text{Bi}_2\text{VO}_5$???. Solid State Ionics, 2004, 175, 425-429.	2.7	9
29	Defect structure in $\text{Bi}_3\text{Nb}_{1-x}\text{Zr}_x\text{O}_7$. Solid State Ionics, 2008, 179, 2-8.	2.7	9
30	Trapping of oxide ions in Bi_3YO_6 . Solid State Ionics, 2014, 264, 49-53.	2.7	9
31	Oxide ion distribution, vacancy ordering and electrical behaviour in the $\text{Bi}_3\text{Nb}_7\text{Bi}_3\text{YbO}_6$ pseudo-binary system. Journal of Materials Chemistry A, 2014, 2, 18624-18634.	10.3	8
32	Structure and conductivity in tungsten doped Bi_3YO_6 . Solid State Ionics, 2017, 308, 61-67.	2.7	8
33	Polymorphism in $\text{LiN}(\text{CF}_3\text{SO}_2)_2$. Solid State Ionics, 2019, 330, 9-16.	2.7	8
34	Defect structure and electrical conductivity in the $\text{Bi}_{3+x}\text{Nb}_{0.8}\text{W}_{0.2}\text{O}_{7.1+3x/2}$ system. Solid State Ionics, 2010, 181, 1750-1756.	2.7	7
35	Thermal variation of structure and electrical conductivity in $\text{Bi}_{14}\text{WO}_{24}$. Solid State Ionics, 2011, 202, 14-21.	2.7	7
36	Phase and electrical behaviour in the $\text{Bi}_{14}\text{W}_1\text{La}_x\text{O}_{24+3x/2}$ system. Solid State Ionics, 2011, 203, 22-28.	2.7	7

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37	Total scattering analysis of cation coordination and vacancy pair distribution in Yb substituted $\hat{\Gamma}$ -Bi ₂ O ₃ . Journal of Physics Condensed Matter, 2013, 25, 454207.	1.8	7
38	Local Structure and Conductivity in the BIGAVOX System. Journal of Physical Chemistry C, 2022, 126, 2108-2120.	3.1	7
39	Local structure in a tetravalent-substituent BIMEVOX system: BICEVOX. Journal of Materials Chemistry A, 2022, 10, 3793-3807.	10.3	7
40	Local structure and conductivity behaviour in Bi ₇ WO _{13.5} . Journal of Materials Chemistry A, 2018, 6, 5407-5418.	10.3	6
41	Defect structure in $\hat{\Gamma}$ -Bi ₅ PbY ₂ O _{11.5} . RSC Advances, 2019, 9, 9640-9653.	3.6	6
42	Preliminary results on a new polymer electrolyte, poly(ethyleneoxide)-Hg(ClO ₄) ₂ . British Polymer Journal, 1988, 20, 193-194.	0.7	5
43	Phase transitions as a function of temperature in BIMGVOX. Physica Status Solidi A, 2003, 198, 357-363.	1.7	5
44	Effects of low levels of tungsten doping in bismuth niobates. Solid State Ionics, 2008, 179, 172-177.	2.7	5
45	Structural and electrical characterisation of BICOCLVOX. Ionics, 1997, 3, 235-238.	2.4	4
46	Phase stabilisation in the pseudo-binary system Bi ₂ MgO ₄ –Bi ₂ VO _{5.5} . Solid State Ionics, 2003, 157, 155-161.	2.7	4
47	An ab initio study of oxide ion dynamics in type-II Bi ₃ NbO ₇ . Journal of Materials Chemistry A, 2015, 3, 21882-21890.	10.3	4
48	Conductivity in lead substituted bismuth yttrate fluorites. Solid State Ionics, 2014, 254, 59-64.	2.7	3
49	Electronic, Structural and Magnetic Properties of Nanocrystalline Li _{1+x} Mn _{2-x} O ₄ Spinel. ECS Transactions, 2007, 3, 179-190.	0.5	2
50	Structural and electrical behaviour in Bi ₁₄ YO _{22.5} . RSC Advances, 2015, 5, 83471-83479.	3.6	2
51	A New Approach Toward Local Structure of Spinel Compounds Using Vibrational and Magnetic Properties. ECS Transactions, 2007, 3, 107-118.	0.5	1
52	Structure and conductivity in the Bi ₄ Nb ₁ Y _{0.85} oxide-ion conducting system. Solid State Ionics, 2018, 328, 8-16.	2.7	1
53	Structural and electrical properties of Bi ₃ Y _{0.9} W _{0.1} O _{6.15} -La _{0.8} Sr _{0.2} MnO ₃ (BiYWO-LSM) composites. Solid State Ionics, 2017, 311, 14-19.	2.7	0