Algimantas KeÅ¾ionis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5337355/publications.pdf

Version: 2024-02-01

101	1,024	430874	552781
papers	citations	18 h-index	26 g-index

101	101	101	774
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of nanocrystalline gadolinium doped ceria via solâ€“gel combustion and solâ€“gel synthesis routes. Ceramics International, 2016, 42, 3972-3988.	4.8	46
2	Broadband high frequency impedance spectrometer with working temperatures up to 1200K. Solid State Ionics, 2011, 188, 110-113.	2.7	44
3	Electrical properties of Li1+xYyTi2â^'y(PO4)3 (where x,y=0.3; 0.4) ceramics at high frequencies. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 76, 184-192.	3.5	38
4	Four-electrode impedance spectrometer for investigation of solid ion conductors. Review of Scientific Instruments, 2013, 84, 013902.	1.3	36
5	Broadband Method for the Determination of Small Sample's Electrical and Dielectric Properties at High Temperatures. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2456-2461.	4.6	35
6	Determination of the non-Arrhenius behaviour of the bulk conductivity of fast ionic conductors LLTO at high temperature. Solid State Ionics, 2011, 188, 69-72.	2.7	34
7	Relaxation dispersion of ionic conductivity of BICOVOX. Solid State Ionics, 1999, 119, 145-150.	2.7	31
8	Electrical properties of YSZ and CaSZ single crystals. Solid State Ionics, 2013, 231, 37-42.	2.7	31
9	Electrical Conductivity Dispersion in Co-Doped NASICON Samples. Physica Status Solidi A, 2001, 183, 323-330.	1.7	28
10	Preparation, electric conductivity and dielectrical properties of Cu6PS5I-based superionic composites. Solid State Ionics, 2009, 180, 183-186.	2.7	27
11	Ionic conductivity of Li1.3Al0.3â^'xScxTi1.7(PO4)3 (x=0, 0.1, 0.15, 0.2, 0.3) solid electrolytes prepared by Pechini process. Solid State Ionics, 2012, 225, 615-619.	2.7	26
12	Impedance spectroscopy of solid electrolytes in the radio frequency range. Solid State Ionics, 2005, 176, 2037-2043.	2.7	25
13	Structure and broadband impedance spectroscopy of Li1.3AlyYxâ^'yTi1.7(PO4)3 (x=0.3; y=0.1, 0.2) solid electrolyte ceramics. Solid State Ionics, 2012, 225, 620-625.	2.7	24
14	Effect of sintering temperature on electrical properties of gadolinium-doped ceria ceramics. Journal of Materials Science, 2015, 50, 3246-3251.	3.7	21
15	SEM/EDX, XPS, and impedance spectroscopy of LiFePO₄ and LiFePO₄/C ceramics. Lithuanian Journal of Physics, 2014, 54, 106-113.	0.4	21
16	Lithium ion conductors in the system Li1+yGe2â^'xâ^'yTixAly(PO4)3 (x=0.1Ã·0.3, y=0.07Ã·0.21). Solid State Ionics, 2007, 178, 1282-1287.	2.7	19
17	Temperature variation of electrical conductivity and absorption edge in Cu7GeSe5I advanced superionic conductor. Journal of Physics and Chemistry of Solids, 2009, 70, 1478-1481.	4.0	19
18	XPS and ionic conductivity studies on Li1.3Al0.15Y0.15Ti1.7(PO4)3 ceramics. Ionics, 2010, 16, 631-637.	2.4	19

#	Article	IF	Citations
19	XPS and impedance spectroscopy of some oxygen vacancy conducting solid electrolyte ceramics. Solid State Ionics, 2011, 188, 36-40.	2.7	18
20	Temperature and compositional behaviour of electrical conductivity and optical absorption edge in Cu7Ge(S1âˆ'xSex)5I mixed superionic crystals. Solid State Ionics, 2010, 181, 1596-1600.	2.7	16
21	Ba0.95Ca0.05Ce0.9Y0.1O3 as an electrolyte for proton-conducting ceramic fuel cells. Electrochimica Acta, 2019, 304, 70-79.	5.2	16
22	Peculiarities of ionic transport in Li_{1.3}Al_{0.15}Y_{0.15}Ti_{1.7}(PO₄)₃ceramics. Journal of Physics Condensed Matter, 2009, 21, 185502.	2.8	15
23	Synthesis and electrical properties of Li1+ x M x Ti2â€“ x (PO4)3 (where M=Sc, Al, Fe, Y; x=0.3) superionic ceramics. Journal of Solid State Electrochemistry, 2003, 7, 113-117.	2.5	14
24	Electrical properties of Li1.3Ge1.4Ti0.3Al0.3(PO4)3 superionic ceramics. Electrochimica Acta, 2006, 51, 6199-6202.	5.2	14
25	Synthesis and peculiarities of electric properties of Li1.3Zr1.4Ti0.3Al0.3(PO4)3 solid electrolyte ceramics. Electrochimica Acta, 2006, 51, 6194-6198.	5.2	14
26	Charge carrier relaxation and phase transition in scandium stabilized zirconia ceramics. Electrochimica Acta, 2014, 134, 176-181.	5.2	14
27	Composite cathode material LSCF-Ag for solid oxide fuel cells obtained in one step sintering procedure. Electrochimica Acta, 2018, 282, 427-436.	5.2	14
28	Electrical conductivity studies in (Ag3AsS3)x(As2S3)1âˆ'x superionic glasses and composites. Journal of Applied Physics, 2014, 115, .	2.5	13
29	Crystal growth, structural and electrical properties of (Cu1-Ag)7GeS5I superionic solid solutions. Solid State Ionics, 2019, 329, 119-123.	2.7	13
30	La-doped LiTi2(PO4)3 ceramics. Solid State Ionics, 2008, 179, 51-51.	2.7	12
31	Synthesis, structure and electrical properties of Li1+x+yScxYyTi2âˆ'xâˆ'y(PO4)3 (x=0.15â€“0.3, y=0.01â€“0.15) ceramics. Solid State Ionics, 2008, 179, 159-163.	2.7	12
32	Surface and impedance spectroscopy studies of Li2.8Sc1.8âˆ'yYyZr0.2(PO4)3 (where y=0, 0.1) solid electrolyte ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 172, 156-162.	3.5	12
33	XRD, XPS, SEM/EDX and broadband impedance spectroscopy study of pyrophosphate (LiFeP₂O₇and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (Li_{0.9}Fe_{0.9}Ti< Transitions. 2014, 87, 438-451.	1.3	12
34	Charge carrier relaxation in solid VOâ€¢â€¢ conductors. Solid State Ionics, 2014, 262, 593-596.	2.7	12
35	Charge carrier relaxation phenomena and phase transition in La 2 Mo 2 O 9 ceramics investigated by broadband impedance spectroscopy. Electrochimica Acta, 2016, 213, 306-313.	5.2	12
36	Methods for Determination of Electrical and Acoustic Properties of Superionics and Mixed Ionic-Electronic Conductors. Materials Science Forum, 0, 76, 229-232.	0.3	10

#	Article	IF	Citations
37	Metal-like temperature dependent conductivity in fast Li+ ionic conductor Lithium Lanthanum Titanate. Solid State Ionics, 2019, 342, 115060.	2.7	10
38	Electrical and acoustical relaxation in fast ionic conductors. Solid State Ionics, 1990, 40-41, 922-925.	2.7	9
39	Relationship between charge carrier relaxation and peculiarities of electric response in some solid oxygen ion conductors. Solid State Ionics, 2015, 279, 25-31.	2.7	9
40	Electrical properties of scandia- and ceria-stabilized zirconia ceramics. Solid State Ionics, 2017, 310, 143-147.	2.7	9
41	Aqueous solâ€“gel synthesis, thermoanalytical study and electrical properties of La2Mo2O9. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1499-1511.	3.6	9
42	Peculiarities of phase transitions in Î± and Î²-AgSbS₂single crystals. Ferroelectrics, 1981, 38, 897-900.	0.6	8
43	Conductivity investigations of Cu7GeS5I family fast-ion conductors. Solid State Ionics, 2008, 179, 168-171.	2.7	8
44	Structural and electrical investigation of (Ag3AsS3)x(As2S3)1â^'x superionic glasses. Open Physics, 2012, 10, .	1.7	8
45	Anomalous temperature-dependent electrical properties of Na 2 MnP 2 O 7. Solid State Ionics, 2017, 302, 72-76.	2.7	8
46	Preparation and characterization of Li1+xAlyScxâ^'yTi2â^'x(PO4)3 (x=0.3, y=0.1, 0.15, 0.2) ceramics. Solid State Ionics, 2011, 188, 73-77.	2.7	7
47	Characterization of NASICON-type Na solid electrolyte ceramics by impedance spectroscopy. Functional Materials Letters, 2014, 07, 1440002.	1.2	7
48	XRD, impedance, and MÃ¶ssbauer spectroscopy study of the Li3Fe2(PO4)3â€‰+â€‰Fe2O3 composite for Li ion batteries. Ionics, 2015, 21, 2127-2136.	2.4	7
49	Preparation and investigation of Bi2WO6, Bi2MoO6 and ZnWO4 ceramics. Solid State Ionics, 2015, 271, 73-78.	2.7	7
50	Effect of Sodium and Fluorine Coâ€Đoping on the Properties of Fluoriteâ€Like Rareâ€Earth Molybdates of Nd₅Mo₃O₁₆ Type. European Journal of Inorganic Chemistry, 2019, 2019, 1250-1256.	2.0	7
51	Conductivity and oxygen diffusion in bixbyites and fluorites Ln6â^'MoO12â^'Î´ (Ln = Er, Tm; x = 0, 0.5). International Journal of Hydrogen Energy, 2021, 46, 16965-16976.	7.1	7
52	Preparation and Characterization of Solid Electrolytes Based on TiP2O7Pyrophosphate. Ferroelectrics, 2015, 479, 101-109.	0.6	6
53	Preparation and Characterization of Large Area Li-NASICON Electrolyte Thick Films. Inorganics, 2019, 7, 107.	2.7	6
54	Samples of Ba1â^'xSrxCe0.9Y0.1O3â^'Î´, 0 < x < 0.1, with Improved Chemical Stability in CO2-H2 Gas-Involving Atmospheres as Potential Electrolytes for a Proton Ceramic Fuel Cell. Materials, 2020, 13, 1874.	2.9	6

#	Article	IF	Citations
55	Electrical conductivity, electrochemical and optical properties of Cu₇GeS₅I-Cu₇GeSe₅I superionic solid solutions. Lithuanian Journal of Physics, 2009, 49, 203-208.	0.4	6
56	Sintering of oxygen ion conductive ceramics and their electrical properties. Lithuanian Journal of Physics, 2012, 52, 231-237.	0.4	6
57	Microwave electrophysical properties of superionic crystals Ag2HgI4. Solid State Ionics, 1984, 13, 63-64.	2.7	5
58	Electric properties of NH4Sn2F5 polycrystals in the frequency range from 20 to 3.2 Â· 1010 Hz. Solid State Ionics, 1996, 86-88, 247-250.	2.7	5
59	SYNTHESIS AND IONIC CONDUCTIVITY OF PHOSPHATE MATERIALS OBTAINED IN THE SYSTEMS Li₂O-Sc(Ti, Al, Si)₂O₃-P₂O₅. Phosphorus Research Bulletin, 1999, 10, 387-392.	0.6	5
60	Characterization of Na1.3Al0.3Zr1.7(PO4)3 solid electrolyte ceramics by impedance spectroscopy. Solid State Ionics, 2015, 271, 128-133.	2.7	5
61	Peculiarities of ionic conduction in Li0.5â^'yNayLa0.5Nb2O6 system at high temperatures. Solid State Ionics, 2017, 300, 86-90.	2.7	5
62	Ferroelectric, dielectric and optic properties of Mn and Cr-doped Na_{0.5}Bi_{0.5}TiO₃ single crystals. Ferroelectrics, 2018, 532, 38-49.	0.6	5
63	Phase transformations in La2-xYxMo2O9 (xâ€¯=â€¯0.05, xâ€¯=â€¯0.075): Temperature cycling and DRT analysis. Solid State Ionics, 2019, 339, 114989.	2.7	5
64	Changes in properties of scandia-stabilised ceria-doped zirconia ceramics caused by silver migration in the electric field. Electrochimica Acta, 2020, 338, 135866.	5.2	5
65	Impedance spectra of LiScYTi(PO) solid electrolyte ceramics in a broad frequency range. Solid State Ionics, 2005, 176, 1743-1746.	2.7	4
66	Peculiarities of ionic transport in LLTO solid electrolytes. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2756-2758.	0.8	4
67	Preparation and characterization of Li_{2.9}Sc_{1.9â^'y}Y_yZr_{0.1}(PO₄)₃ (where y	1.4	4
68	Aqueous sol-gel synthesis, thermal analysis, characterization and electrical properties of V2O5 doped Bi2O3 system. Thermochimica Acta, 2020, 685, 178511.	2.7	4
69	Structural and electrical properties of argyrodite-type Cu7PS6 crystals. Lithuanian Journal of Physics, 2018, 57, .	0.4	4
70	RELATIONSHIPS BETWEEN THE SUBSTITUTIONS Ti⁴⁺→Sc³⁺(B³⁺)+Li⁺ AND IONIC CONDUCTIVITY OF Li_{1+x+y}Sc_xB_yTi_{2-x-y}(PO₄)₃ (WHERE x, y = 0 - 0.3) CERAMICS. Phosphorus Research Bulletin, 2002, 13, 107-110.	0.6	3
71	Some aspects of charge transport in Li0.5-xNaxLa0.5TiO3 (x = 0, 0.25) ceramics. Functional Materials Letters, 2015, 08, 1550076.	1.2	3
72	Synthesis, structure and impedance spectroscopy of NaCsZn 0.5 Mn 0.5 P 2 O 7 pyrophosphate ceramics. Solid State Ionics, 2017, 302, 92-97.	2.7	3

#	Article	IF	Citations
73	High frequency impedance spectroscopy study on Gd-doped CeO2 thin films. Ionics, 2018, 24, 1153-1159.	2.4	3
74	Fabrication and electrical properties of Li₃Sc_{2-x}B_x(PO₄)₃superionic materials. Lithuanian Journal of Physics, 2005, 45, 257-262.	0.4	3
75	XPS and impedance spectroscopy of Gd doped CeO₂superionic ceramics. Lithuanian Journal of Physics, 2009, 49, 311-316.	0.4	3
76	Preparation, structure, surface and impedance analysis of Na₂Zn_{0.5}Mn_{0.5}P₂O₇ ceramics. Lithuanian Journal of Physics, 2017, 57, .	0.4	3
77	Electrical conductivity of superionic composites based on Cu6P1â"xAsxS5I solid solutions. Solid State Ionics, 2013, 251, 83-86.	2.7	2
78	Ferroelastic phase transition in Cu6PS5Br1-xClx mixed crystals. Phase Transitions, 2019, 92, 461-466.	1.3	2
79	Dielectric properties of superionic conductors in RF and microwave electric fields.. Journal of Advanced Science, 1991, 3, 60-63.	0.1	2
80	Peculiarities of ionic transport of oxygen vacancy conducting superionic ceramics. Lithuanian Journal of Physics, 2009, 49, 317-322.	0.4	2
81	Peculiarities of charge carrier relaxation in grain boundary of gadolinium-doped ceria ceramics. Lithuanian Journal of Physics, 2019, 59, .	0.4	2
82	Charge carrier relaxation in YSZ and CaSZ single crystals: In search of the analytic representation of DRT. Solid State Ionics, 2021, 372, 115788.	2.7	2
83	Electrochemical Performance of Highly Conductive Nanocrystallized Glassy Alluaudite-Type Cathode Materials for NIBs. Energies, 2022, 15, 2567.	3.1	2
84	Pecularities of change transfer mechanism and dielectric properties of glasses Ag-Sb-S-I. Solid State Ionics, 1985, 17, 155-156.	2.7	1
85	Formation and Characteristics of Thin Films of ZrO₂-8 mol % Y₂O₃ Solid Electrolytes. Solid State Phenomena, 2004, 97-98, 153-158.	0.3	1
86	CHARACTERIZATION AND IMPEDANCE SPECTROSCOPY OF Li₃Sc_{2-x}B_x(PO₄)₃ (WHERE x=0-2) SOLID ELECTROLYTE CERAMICS. Phosphorus Research Bulletin, 2005, 19, 124-129.	0.6	1
87	Structure and Electrical Properties of Li_{3â€"x}Sc_{2â€"x}Zr_x(PO₄)₃(x = 0, 0.1, 0.2) Ceramics. Ferroelectrics, 2011, 418, 34-44.	0.6	1
88	Impedance spectroscopy study of Cu6PS5Iâ€"As2S3 nanocomposites. Ionics, 2013, 19, 1387-1391.	2.4	1
89	Electrical conductivity and dielectric permittivity of Cu6AsS5I superionic crystals. Solid State Ionics, 2014, 262, 582-584.	2.7	1
90	Dielectric properties and infrared spectra of Ag0Â·92Li0Â·08NbO3 ceramics. Solid State Communications, 2021, 332, 114338.	1.9	1

#	Article	IF	Citations
91	X-ray photoelectron and broadband impedance spectroscopy of Li_{1+4x}Ti_{2-x}(PO₄)₃ solid electrolyte ceramics. Lithuanian Journal of Physics, 2013, 53, 244-254.	0.4	1
92	Broadband impedance spectroscopy of some Li+ and Vo** conducting solid electrolytes. Advanced Electromagnetics, 2012, 1, 70.	1.0	1
93	Preparation, structure and electrical properties of Li_{1+4x}Ti_{2-x}Nb_yP_{3-y}O₁₂(x=)	1.4	1
94	Revision of the freezing concept in relaxor ferroelectrics: the case of Na_{0.5}Bi_{0.5}TiO₃-Sr_{0.7}Bi_{0.2}TiO₃ solid solutions. Ferroelectrics, 2020, 569, 266-279.	0.6	1
95	Aqueous sol-gel synthesis, structural, thermoanalytical studies, and conductivity properties of lithium lanthanum titanate. Thermochimica Acta, 2022, 715, 179268.	2.7	1
96	Synthesis and characterization of Li1/3Ce2/3PO4and LiCe2/3PO4ceramics. Journal of Physics Condensed Matter, 2007, 19, 106204.	1.8	0
97	Electrical and dielectrical studies of Cu6PS5I1âˆ’xClx superionic composites. Solid State Ionics, 2012, 225, 685-689.	2.7	0
98	Preparation of superionic ceramics by spark plasma method. Medziagotyra, 2013, 19, .	0.2	0
99	Preparation and Physical Properties of Superionic Cu7-GeS5I-based Nano-ceramic and Thin Film. , 2018, , .		0
100	Temperature-Dependent Structural Changes of Na2Mn3(P2O7)2 Phase in NaLiMnP2O7 Mixed Phase Compound. Integrated Ferroelectrics, 2021, 220, 100-109.	0.7	0
101	Ag3AsS3-As2S3 composite: Detailed impedance spectroscopy study. Solid State Ionics, 2022, 383, 115971.	2.7	0