

Ilia A Leonidov

List of Publications by Year in descending order

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148
papers

3,045
citations

182225

30
h-index

223390

49
g-index

150
all docs

150
docs citations

150
times ranked

2595
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Features and Defect Equilibrium in Cubic $\text{PrBa}_{1-x}\text{Sr}_x\text{Fe}_2\text{O}_6$. <i>Materials</i> , 2022, 15, 4390.	1.3	5
2	High-temperature transport properties of $\text{LaSr}_3\text{Fe}_3\text{MoO}_{10}$. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 149, 109820.	1.9	1
3	Concurrent Ca^{2+} and Pb^{2+} ions transport in $\text{Ca}_{6.25}\text{Pb}_{4.25}(\text{VO}_4)_7$ with the $\text{A}^{2+}\text{-Ca}_3(\text{PO}_4)_2$ -type structure. <i>Solid State Ionics</i> , 2021, 359, 115518.	1.3	1
4	Defect chemistry and charge transport in $\text{LaSr}_3\text{Fe}_3\text{MoO}_{10}$. <i>Acta Materialia</i> , 2021, 203, 116489.	3.8	8
5	Thermal expansion and phase transitions in the perovskites $\text{Sr}_{0.5}\text{Ca}_{0.5}\text{Mn}_1\text{VO}_3$. <i>Materials Letters</i> , 2021, 283, 128803.	1.3	4
6	Conductivity and oxygen diffusion in bixbyites and fluorites $\text{Ln}_6\text{MoO}_{12}\text{F}$ ($\text{Ln} = \text{Er, Tm}; x = 0, 0.5$). <i>International Journal of Hydrogen Energy</i> , 2021, 46, 16965-16976.	3.8	7
7	Impact of Cerium Content on Ion and Electron Transport in $\text{Sr}_{1-x}\text{Ce}_x\text{FeO}_3$. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17546-17555.	1.5	5
8	The impact of cerium content on oxygen stoichiometry, defect equilibrium, and thermodynamic quantities of $\text{Sr}_{1-x}\text{Ce}_x\text{FeO}_3$. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160051.	2.8	12
9	The impact of structural features on ion and electron transport in $\text{Y}_{0.25}\text{Sr}_{0.75}\text{FeO}_3$. <i>Materials Letters</i> , 2021, 301, 130261.	1.3	4
10	Electrical transport properties of the six-layer hexagonal SrMn_1VO_3 ($x = 0.02$). <i>Journal of Alloys and Compounds</i> , 2021, 886, 161232.	2.8	3
11	High-temperature charge transport in $\text{Nd}_{0.25}\text{Sr}_{0.75}\text{FeO}_3$: the influence of various factors. <i>Dalton Transactions</i> , 2021, 50, 11429-11439.	1.6	4
12	Oxygen and electron transport in $\text{Ce}_{0.1}\text{Sr}_{0.9}\text{FeO}_3$. <i>Solid State Ionics</i> , 2020, 344, 115131.	1.3	12
13	The impact of morphotropy and polymorphism on electric properties of manganites: the case of $\text{Sr}_{0.5}\text{Ca}_{0.5}\text{Mn}_1\text{VO}_3$. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16497-16505.	5.2	11
14	Structural stability, defects and competitive oxygen migration in $\text{Pr}_{1-x}\text{Y}_x\text{BaCo}_2\text{O}_6$. <i>Solid State Ionics</i> , 2020, 347, 115230.	1.3	12
15	Equilibrium of Defects and Electrical Conductivity of Cation-Deficient Double Cobaltites. <i>Russian Journal of Physical Chemistry A</i> , 2019, 93, 1394-1398.	0.1	1
16	High-temperature transport in perovskite-type $\text{Ca}_{0.25}\text{Sr}_{0.75}\text{Fe}_{0.75}\text{Mo}_{0.25}\text{O}_3$. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 3165-3171.	1.2	2
17	Electrical Transport Properties of $\text{Ca}_{1-x}\text{Bi}_x\text{MnO}_3$. <i>Inorganic Materials</i> , 2019, 55, 1014-1019.	0.2	1
18	Formation of an Antiferromagnetic Metal Phase in the Electron-Doped $\text{Sr}_{0.98}\text{La}_{0.02}\text{MnO}_3$ Oxide According to ^{17}O NMR Data. <i>JETP Letters</i> , 2019, 109, 541-545.	0.4	0

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19	Hydrogen and synthesis gas co-production on oxygen membranes of mixed conductor: Scale-sensitive features of the process. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 26807-26815.	3.8	9
20	The impact of Ba substitution in lanthanum-strontium ferrite on the mobility of charge carriers. <i>Solid State Ionics</i> , 2019, 332, 86-92.	1.3	12
21	Influence of vanadium doping on the structural and electric properties of Sr _{0.5} Ca _{0.5} Mn _{1-x} V _x O ₃ . <i>Materials Letters</i> , 2019, 253, 175-177.	1.3	4
22	Ferromagnetic Nanoregions in Cubic Sr _{0.98} La _{0.02} MnO ₃ Manganite According to ¹³⁹ La NMR Data. <i>JETP Letters</i> , 2019, 109, 252-255.	0.4	3
23	Non-uniform electron conduction in weakly ordered SrFe _{1-x} Mo _x O ₃ . <i>Dalton Transactions</i> , 2019, 48, 4530-4537.	1.6	24
24	Defects and electrical properties in Bi-doped calcium manganite. <i>Materials Research Express</i> , 2019, 6, 125912.	0.8	3
25	High temperature magnetic and transport properties of PrBaCo ₂ O ₆ cobaltite: Spin blockade evidence. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 259-263.	1.0	8
26	Oxygen nonstoichiometry and defect chemistry of perovskite-type Ca _{0.25} Sr _{0.75} Fe _{0.75} Mo _{0.25} O ₃ . <i>Materials Letters</i> , 2019, 236, 719-722.	1.3	3
27	Advanced electrochemical properties of Pr _{0.9} Y _{0.1} BaCo _{1.8} Ni _{0.2} O ₆ –Ce _{0.8} Sm _{0.2} O _{1.9} composite as cathode material for IT-SOFCs. <i>Journal of Alloys and Compounds</i> , 2019, 779, 712-719.	2.8	31
28	Thermodynamic quantities and defect formation in solid solution La _{0.49} Sr _{0.51} Ba _x FeO ₃ . <i>Materials Letters</i> , 2019, 235, 107-110.	1.3	6
29	Ionic and electronic transport in the garnet-type vanadate Ca _{2.5} Mg ₂ V ₃ O ₁₂ . <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1083-1088.	1.2	4
30	Fabrication and Testing of a Tubular Thermoelectric Module Based on Oxide Elements. <i>Journal of Electronic Materials</i> , 2018, 47, 2808-2816.	1.0	14
31	Ceramic and transport properties of halogen-substituted strontium ferrite. <i>Ceramics International</i> , 2018, 44, 11301-11306.	2.3	12
32	Oxygen nonstoichiometry and thermodynamic quantities in solid solution SrFe _{1-x} Sn _x O ₃ . <i>Journal of Solid State Chemistry</i> , 2018, 262, 121-126.	1.4	8
33	The impact of Ba substitution on high-temperature transport in lanthanum-strontium ferrite. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 899-907.	1.2	2
34	Defect formation, ordering, and transport in SrFe _{1-x} Si _x O ₃ (x=0.05–0.20). <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 727-737.	1.2	15
35	Structural features and high-temperature transport in SrFe _{0.7} Mo _{0.3} O ₃ . <i>Journal of Solid State Chemistry</i> , 2018, 258, 447-452.	1.4	14
36	Oxygen nonstoichiometry and defect equilibria in La _{0.49} Sr _{0.51} Ba _x FeO ₃ . <i>Materials Letters</i> , 2018, 213, 58-61.	1.3	14

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37	Oxygen conductivity in a double-well model for ion jumps in layered perovskite-related oxides. <i>Solid State Ionics</i> , 2018, 323, 1-4.	1.3	3
38	Improved structural stability, electron transport and defect formation in $\text{PrBaCo}_2\text{AlO}_6$. <i>Journal of Alloys and Compounds</i> , 2018, 767, 1041-1047.	2.8	13
39	Thermodynamic analysis of defect equilibration in double perovskites based on $\text{PrBaCo}_2\text{O}_6$ cobaltite. <i>Journal of Solid State Chemistry</i> , 2017, 249, 108-113.	1.4	13
40	Seebeck coefficient of $\text{Ca}_{1-x}\text{Pr}_x\text{MnO}_3$ paramagnetic manganites. <i>Inorganic Materials</i> , 2017, 53, 583-588.	0.2	13
41	Electron transport and mobility analysis in La/Sr co-doped CaMnO_3 . <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2099-2108.	1.2	16
42	Electrical conductivity and carrier mobility in $\text{Ca}_{1-x}\text{Pr}_x\text{MnO}_3$ manganites. <i>Inorganic Materials</i> , 2017, 53, 589-594.	0.2	9
43	High-temperature defect thermodynamics of nickel substituted double-perovskite cobaltite $\text{PrBaCo}_2\text{NiO}_6$ ($x=0.2$). <i>Journal of Alloys and Compounds</i> , 2017, 727, 778-784.	2.8	20
44	Oxygen thermodynamics and defect chemistry of nonstoichiometric manganites $\text{Ca}_{0.6}\text{Sr}_{0.4}\text{LaMnO}_3$. <i>Journal of Alloys and Compounds</i> , 2017, 690, 80-85.	2.8	1
45	Oxygen nonstoichiometry and defect equilibrium in $\text{Ca}_{1-x}\text{Pr}_x\text{MnO}_3$ manganites. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 1682-1686.	0.1	5
46	Improved stability and defect structure of yttrium doped cobaltite $\text{PrBaCo}_2\text{O}_6$. <i>Solid State Ionics</i> , 2016, 295, 90-95.	1.3	18
47	Defect chemistry and high-temperature transport in $\text{SrFe}_{1-x}\text{SnO}_3$. <i>Journal of Solid State Chemistry</i> , 2016, 243, 190-197.	1.4	13
48	Thermodynamic properties of nonstoichiometric oxygen in manganite $\text{Ca}_{0.9}\text{Pr}_{0.1}\text{MnO}_3$. <i>Russian Journal of Physical Chemistry A</i> , 2016, 90, 2123-2128.	0.1	2
49	Structure, oxygen non-stoichiometry, and phase transitions in $\text{Ca}_{1-x}\text{Pr}_x\text{MnO}_3$. <i>Russian Journal of Inorganic Chemistry</i> , 2016, 61, 567-571.	0.3	4
50	Oxygen nonstoichiometry and defect chemistry of perovskite-structured $\text{SrFe}_{1-x}\text{MoxO}_3$ solid solutions. <i>Solid State Ionics</i> , 2016, 292, 116-121.	1.3	44
51	Structural features and high-temperature properties of $\text{SrFe}_{1-x}\text{SiO}_3$. <i>Solid State Ionics</i> , 2016, 292, 83-87.	1.3	9
52	Hydrogen dynamics features in $\text{BaZr}_{1-x}\text{Sc}_x\text{O}_{3-y/2}(\text{OH})_y$: high-temperature ^1H NMR studies. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 609-617.	1.2	6
53	Oxygen non-stoichiometry and mixed conductivity of $\text{La}_{0.5}\text{Sr}_{0.5}\text{Fe}_{1-x}\text{Mn}_x\text{O}_3$. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 225-234.	1.2	17
54	Inhomogeneous magnetic state in the electron-doped $\text{Sr}_{0.98}\text{La}_{0.02}\text{MnO}_3$ Manganite According to ^{55}Mn NMR data. <i>JETP Letters</i> , 2015, 102, 727-731.	0.4	5

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55	High-temperature transition in SrFeO _{2.5} : LSDA+U simulation. European Physical Journal B, 2015, 88, 1.	0.6	4
56	Defect formation in double perovskites PrBaCo _{2-2x} Cu _x O _{5+1/2} at elevated temperatures. Solid State Ionics, 2015, 274, 17-23.	1.3	29
57	Oxygen nonstoichiometry and defect equilibrium in electron doped Ca _{0.6-3f} Sr _{0.4-1f} MnO _{3+1/2} . Journal of Alloys and Compounds, 2015, 638, 44-49.	2.8	17
58	Ion transport in dual-phase SrFe _{1-x} Co _x O _{3+1/2} (x=0.03-0.10): effects of redox cycling. Journal of Solid State Electrochemistry, 2015, 19, 841-849.	1.2	4
59	The impact of oxygen nonstoichiometry upon partial molar thermodynamic quantities in PrBaCo ₂ O _{5+1/2} . Journal of Solid State Chemistry, 2014, 213, 93-97.	1.4	16
60	Structure and transport properties of La _{0.5} Sr _{0.5-2x} CaxFeO _{3+1/2} . Solid State Ionics, 2014, 262, 672-677.	1.3	8
61	Oxygen ion and electron conductivity in fluorite-like molybdates Nd ₅ Mo ₃ O ₁₆ and Pr ₅ Mo ₃ O ₁₆ . Journal of Alloys and Compounds, 2014, 615, 395-400.	2.8	38
62	Defect equilibrium in PrBaCo ₂ O ₅ at elevated temperatures. Journal of Solid State Chemistry, 2013, 206, 99-103.	1.4	12
63	Phase separation-promoted ion conduction in SrFe _{0.67} Co _{0.33} O _{3+1/2} ceramics. Solid State Ionics, 2013, 244, 17-22.	1.3	11
64	Ceramic membranes with mixed conductivity and their application. Russian Chemical Reviews, 2013, 82, 772-782.	2.5	16
65	Whitlockite solid solutions in the Ca ₃ (VO ₄) ₂ -K ₃ VO ₄ -NdVO ₄ system. Russian Journal of Inorganic Chemistry, 2011, 56, 1706-1712.	0.3	3
66	Oxygen nonstoichiometry and the thermodynamic properties of manganites Ca _{1-x} Sr _x La _y MnO _{3+1/2} . Russian Journal of Physical Chemistry A, 2011, 85, 343-347.	0.1	5
67	Applications of coulometric titration for studies of oxygen non-stoichiometry in oxides. Journal of Solid State Electrochemistry, 2011, 15, 931-954.	1.2	71
68	Reaction control and long-term stability of partial methane oxidation over an oxygen membrane. Journal of Solid State Electrochemistry, 2011, 15, 253-257.	1.2	29
69	High-temperature electron/hole transport in PrBaCo ₂ O _{5+1/2} . Journal of Solid State Chemistry, 2011, 184, 1951-1955.	1.4	24
70	Inhomogeneous state of the electron system in BaPb _{1-x} Sb _x O ₃ superconducting perovskites: The 207Pb NMR study. JETP Letters, 2010, 91, 245-250.	0.4	2
71	Valence Band Structure and X-ray Spectra of Oxygen-Deficient Ferrites SrFeO _{3-x} . Journal of Physical Chemistry C, 2010, 114, 5154-5159.	1.5	59
72	High-temperature transport and stability of SrFe _{1-x} NbxO _{3+1/2} . Solid State Sciences, 2009, 11, 1156-1162.	1.5	31

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73	Evaluation of $\text{La}_{0.5}\text{Sr}_{0.5}\text{FeO}_{3-\delta}$ membrane reactors for partial oxidation of methane. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 391-395.	1.2	25
74	The effect of divalent cations on the structural parameters, phase transitions, and electrical conductivity of oxygen conductors based on LaGaO_3 . <i>Doklady Chemistry</i> , 2009, 427, 194-198.	0.2	1
75	Structural features, nonstoichiometry and high-temperature transport in $\text{SrFe}_{1-x}\text{MoxO}_{3-\delta}$. <i>Journal of Solid State Chemistry</i> , 2009, 182, 799-806.	1.4	60
76	The structure, nonstoichiometry, and thermodynamic characteristics of oxygen in strontium ferrite doped with niobium, $\text{SrFe}_{1-x}\text{Nb}_x\text{O}_{3-\delta}$. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 699-704.	0.1	10
77	Oxygen nonstoichiometry and the thermodynamic and structural properties of double perovskites $\text{PrBaCo}_{2-x}\text{Cu}_x\text{O}_5$. <i>Russian Journal of Physical Chemistry A</i> , 2009, 83, 832-838.	0.1	11
78	Structural stability and electrical transport in $\text{SrFe}_{1-x}\text{MoxO}_{3-\delta}$. <i>Solid State Ionics</i> , 2008, 179, 1050-1053.	1.3	54
79	Investigation of the conditions for synthesis of $\text{Ce}_{0.9}\text{Y}_{0.1}\text{O}_2$ dense coatings. <i>Glass Physics and Chemistry</i> , 2008, 34, 485-491.	0.2	0
80	Synthesis and vibrational spectra of solid solutions based on lanthanum gallate. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008, 72, 1343-1346.	0.1	6
81	Oxygen Nonstoichiometry and Ionic Conductivity of $\text{Sr}_3\text{Fe}_{2-x}\text{Sc}_x\text{O}_7$. <i>Chemistry of Materials</i> , 2007, 19, 3980-3987.	3.2	34
82	High-temperature order-disorder transition and polaronic conductivity in $\text{PrBaCo}_2\text{O}_{5.48}$. <i>Physical Review B</i> , 2006, 73, .	1.1	93
83	Thermodynamic and structural properties of $\text{PrBaCo}_2\text{O}_5 + \delta$. <i>Inorganic Materials</i> , 2006, 42, 196-201.	0.2	13
84	High-temperature phase equilibria in the oxide systems $\text{SrFe}_{1-x}\text{GaxO}_{2.5}$ – $\text{SrFe}_{1-x}\text{GaxO}_3$ ($x = 0, 0.1, 0.2$). <i>Journal of Solid State Chemistry</i> , 2006, 179, 1093-1099.	1.4	13
85	The thermodynamic properties of weakly bound oxygen and electron transport in $\text{Sr}_3\text{Fe}_2\text{O}_6 + \delta$ under oxidizing conditions. <i>Russian Journal of Physical Chemistry A</i> , 2006, 80, 523-528.	0.1	4
86	Oxygen-ion and electron conductivity in $\text{Sr}_2(\text{Fe}_{1-x}\text{Gax})_2\text{O}_5$. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3045-3051.	1.4	16
87	Oxygen nonstoichiometry and mixed conductivity of $\text{SrFe}_{1-x}\text{O}_{3-\delta}$ ($M = \text{Al}, \text{Ga}$): Effects of B-site doping. <i>Solid State Sciences</i> , 2006, 8, 476-487.	1.5	44
88	Oxygen Nonstoichiometry and Ion-Electron Transport in $\text{SrFe}_{0.9}\text{M}_{0.1}\text{O}_{3-\delta}$ ($M = \text{Cr}, \text{Ti}, \text{Al}$). <i>Materials Science Forum</i> , 2006, 514-516, 382-386.	0.3	10
89	p-Type electron transport in $\text{La}_{1-x}\text{Sr}_x\text{FeO}_{3-\delta}$ at high temperatures. <i>Journal of Solid State Chemistry</i> , 2005, 178, 921-927.	1.4	82
90	Influence of the phase separation effect on low-field magnetic properties of $\text{La}_{1-x}\text{BaxMnO}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 892-902.	1.0	11

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91	Transport properties and thermal expansion of Ti-substituted $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ ($x=0.1$). <i>Solid State Sciences</i> , 2005, 7, 355-365.	1.5	73
92	Synthesis and Structure of (Ca,Sr)-Substituted Lanthanum Manganite. <i>Inorganic Materials</i> , 2005, 41, 869-875.	0.2	3
93	Mechanisms of hopping conductivity in weakly doped $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 3429-3444.	0.7	14
94	Structural Stability and Ion Transport in $\text{LaSr}_2\text{Fe}_{1-y}\text{Cr}_y\text{O}_8$. , 2005, , 149-155.		0
95	High-temperature Raman spectroscopy and phase transformations in phosphates and vanadates $\text{Ca}_3\text{A}_2(\text{AO}_4)_2$ (A = P, V; $0 \leq x \leq 0.14$). <i>Crystallography Reports</i> , 2004, 49, 211-214.	0.1	11
96	Oxygen ionic and electronic conductivity of $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}(\text{Al})\text{O}_3$ perovskites. <i>Solid State Sciences</i> , 2004, 6, 357-366.	1.5	52
97	Ion-electron transport in strontium ferrites: relationships with structural features and stability. <i>Solid State Sciences</i> , 2004, 6, 907-913.	1.5	164
98	Structural Aspects of Lithium Transfer in Solid Electrolytes $\text{Li}_2\text{xZn}_{2-3\text{x}}\text{Ti}_{1+\text{x}}\text{O}_4$ ($0.33 \leq x \leq 0.67$). <i>Journal of Structural Chemistry</i> , 2004, 45, 262-268.	0.3	29
99	High-temperature ion transport in $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 578.	1.2	38
100	Ion-Electron Transport in Strontium Ferrites: Relationships with Structural Features and Stability.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
101	Disordering and Mixed Conductivity in the Solid Solution $\text{LaSr}_2\text{Fe}_{3-y}\text{Cr}_y\text{O}_8$. <i>Chemistry of Materials</i> , 2004, 16, 5014-5020.	3.2	35
102	Phase Transitions and Ion Transport in $\text{SrFe}_{1-x}\text{M}_x\text{O}_{2.5}$, where M = Ga, Cr. , 2004, , 163-168.		3
103	$\text{Ca}_3(\text{VO}_4)_2$ LaVO ₄ Cation Conductors. <i>Inorganic Materials</i> , 2003, 39, 616-620.	0.2	21
104	Crystal Structures of Double Vanadates LiCoVO_4 and $\text{Li}_{0.5}\text{Co}_{1.25}\text{VO}_4$. <i>Journal of Structural Chemistry</i> , 2003, 44, 243-247.	0.3	1
105	High-Temperature Structural Disorder in R_3NbO_7 . <i>Journal of Structural Chemistry</i> , 2003, 44, 975-979.	0.3	39
106	Reduction and Re-Oxidation Behavior of Calcium Iron Phosphate, $\text{Ca}_9\text{Fe}(\text{PO}_4)_7$. <i>ChemInform</i> , 2003, 34, no.	0.1	0
107	Ferroelectric and Ionic-Conductive Properties of Nonlinear-Optical Vanadate, $\text{Ca}_9\text{Bi}(\text{VO}_4)_7$. <i>ChemInform</i> , 2003, 34, no.	0.1	2
108	Electron/hole and ion transport in $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$. <i>Journal of Solid State Chemistry</i> , 2003, 172, 219-231.	1.4	206

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109	High-temperature thermopower and conductivity of $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$ ($0.02 \leq x \leq 0.35$). <i>Journal of Solid State Chemistry</i> , 2003, 172, 1-5.	1.4	11
110	Conductivity and carrier traps in $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-z}\text{Mn}_z\text{O}_3$ ($x=0.3$; $z=0$ and 0.25). <i>Journal of Solid State Chemistry</i> , 2003, 172, 296-304.	1.4	34
111	Structure, ionic conduction, and phase transformations in lithium titanate $\text{Li}_4\text{Ti}_5\text{O}_{12}$. <i>Physics of the Solid State</i> , 2003, 45, 2183-2188.	0.2	120
112	Ferroelectric and Ionic-Conductive Properties of Nonlinear-Optical Vanadate, $\text{Ca}_9\text{Bi}(\text{VO}_4)_7$. <i>Chemistry of Materials</i> , 2003, 15, 3003-3010.	3.2	56
113	Reduction and Re-oxidation Behavior of Calcium Iron Phosphate, $\text{Ca}_9\text{Fe}(\text{PO}_4)_7$. <i>Chemistry of Materials</i> , 2003, 15, 625-631.	3.2	19
114	Oxygen Permeability and Ionic Conductivity of Perovskite-Related $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}(\text{Ga})\text{O}_{3+\delta}$. <i>Journal of the Electrochemical Society</i> , 2002, 149, E125.	1.3	45
115	Structural Changes and Phase Transitions in Whitlockite-Like Phosphates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1899-1902.	0.8	11
116	Polar and Centrosymmetric Phases in Solid Solutions $\text{Ca}_{3-x}\text{Sr}_x(\text{PO}_4)_2$ ($0 \leq x \leq 16/7$). <i>Chemistry of Materials</i> , 2002, 14, 3197-3205.	3.2	47
117	Oxygen Intercalation in Strontium Ferrite: Evolution of Thermodynamics and Electron Transport Properties. , 2002, , 565-572.		5
118	A Novel Complex Cobalt Gallium Oxide $\text{Ca}_2\text{Co}_{0.8}\text{Ga}_{1.2}\text{O}_{4.8}$: Synthesis and High-Temperature Electron Transport Properties. <i>Journal of Solid State Chemistry</i> , 2002, 167, 196-202.	1.4	9
119	Oxygen Nonstoichiometry, Conductivity, and Seebeck Coefficient of $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}_{1-x}\text{Ga}_x\text{O}_{2.65+\delta}$ Perovskites. <i>Journal of Solid State Chemistry</i> , 2002, 167, 203-213.	1.4	114
120	Order-Disorder Enhanced Oxygen Conductivity and Electron Transport in Ruddlesden-Popper Ferrite-Titanate $\text{Sr}_3\text{Fe}_2\text{Ti}_x\text{O}_{6+\delta}$. <i>Journal of Solid State Chemistry</i> , 2002, 168, 275-283.	1.4	46
121	Specific features of the formation of oxygen defects in the $\text{SrFeO}_{2.5}$ ferrite with a brownmillerite structure. <i>Physics of the Solid State</i> , 2002, 44, 2063-2066.	0.2	3
122	Ferroelectric-Ionic Conductor Phase Transitions in Optical Nonlinear $\text{Ca}_9\text{R}(\text{VO}_4)_7$ Vanadates. <i>Doklady Physical Chemistry</i> , 2002, 384, 144-148.	0.2	24
123	Proton Conductivity in $\text{H}_2 \cdot x(\text{NH}_4) \cdot \text{V}_9\text{Mo}_3\text{O}_{32.5} \cdot n\text{H}_2\text{O}$ Xerogel Films. <i>Inorganic Materials</i> , 2002, 38, 1178-1182.	0.2	1
124	High-temperature electrical transport in $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}_{1-x}\text{Ga}_x\text{O}_3$ ($x = 0 \leq 0.5$). <i>Journal of Materials Chemistry</i> , 2001, 11, 1201-1208.	6.7	70
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126	Electrical Properties of the Ferrite SrFeO_y at High Temperatures. <i>Journal of Solid State Chemistry</i> , 2001, 158, 320-326.	1.4	102

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128	High-temperature electrical conductivity of Sr _{0.7} La _{0.3} FeO ₃ . Solid State Ionics, 2001, 144, 361-369.	1.3	34
129	Valence state of cobalt atoms and crystal structure of YBa ₂ Cu _{3-x} CoxO _{6+δ} solid solution. Journal of Structural Chemistry, 2000, 41, 626-631.	0.3	2
130	High-temperature equilibrium between YBa ₂ Cu _{3-x} CoxO _{6+δ} solid solutions and oxygen. Inorganic Materials, 2000, 36, 474-478.	0.2	0
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134	Intercalation thermodynamics and chemical diffusion of oxygen in the solid solution YBa ₂ Cu ₃ Co _δ O _{6+δ} . Solid State Ionics, 1999, 120, 239-249.	1.3	8
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136	Strontium diffusion in Sr _{3-3x} La _{2x-~x} (VO ₄) ₂ solid solutions. Physics of the Solid State, 1998, 40, 200-203.	0.2	3
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147	Transport properties and defect structure of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 158, 287-292.	0.6	22
148	Mixed ion-electronic conductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 302-303.	0.6	0