

Mikhail Patrakeev

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149
papers

3,770
citations

34
h-index

54
g-index

155
ext. papers

4,001
ext. citations

3.4
avg, IF

5.08
L-index

#	Paper	IF	Citations
149	Ionic transport in (La,Sr)CoO ₃ -ceramics. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 2777	2.6	
148	SrFe ₁₂ O ₁₉ as an impurity in perovskite-type ferrites. <i>Materials Letters</i> , 2021 , 283, 128753	3.3	7
147	Impact of Cerium Content on Ion and Electron Transport in Sr _{1-x} Ce _x FeO ₃ <i>Journal of Physical Chemistry C</i> , 2021 , 125, 17546-17555	3.8	1
146	High-temperature charge transport in NdSrFeO: the influence of various factors. <i>Dalton Transactions</i> , 2021 , 50, 11429-11439	4.3	1
145	Redox behavior and ionic conductivity of Al-doped Sr ₃ LaFe ₃ O ₁₀ <i>Materials Letters</i> , 2020 , 265, 127425	3.3	4
144	Electrical Transport Properties of Ca _{1-x} Bi _x MnO ₃ <i>Inorganic Materials</i> , 2019 , 55, 1014-1019	0.9	1
143	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	6.7	7
142	Non-uniform electron conduction in weakly ordered SrFeMoO. <i>Dalton Transactions</i> , 2019 , 48, 4530-4537	4.3	17
141	Equilibrium of Defects and Electrical Conductivity of Cation-Deficient Double Cobaltites. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 1394-1398	0.7	
140	High-temperature transport in perovskite-type Ca _{0.25} Sr _{0.75} Fe _{0.75} Mo _{0.25} O ₃ <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 3165-3171	2.6	2
139	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	2.6	1
138	Defects and electrical properties in Bi-doped calcium manganite. <i>Materials Research Express</i> , 2019 , 6, 125912	1.7	2
137	Time degradation of electronic and ionic transport in perovskite-like La _{0.5} Ca _{0.5} FeO ₃ <i>Materials Letters</i> , 2019 , 239, 167-171	3.3	2
136	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	3.3	3
135	Fabrication and Testing of a Tubular Thermoelectric Module Based on Oxide Elements. <i>Journal of Electronic Materials</i> , 2018 , 47, 2808-2816	1.9	11
134	Oxygen intercalation in Ruddlesden-Popper type Sr ₃ LaFe ₃ O ₁₀ <i>Materials Letters</i> , 2018 , 218, 325-328	3.3	6
133	The p(O)-T stability domain of cubic perovskite BaSrCoFeO. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4442-4454	3.6	10

132	Ceramic and transport properties of halogen-substituted strontium ferrite. <i>Ceramics International</i> , 2018 , 44, 11301-11306	5.1	6
131	Transport and Electrochemical Properties of SrFe(Al,Mo)O ₃ . <i>Russian Journal of Electrochemistry</i> , 2018 , 54, 514-526	1.2	2
130	Improved structural stability, electron transport and defect formation in PrBaCo ₂ AlO ₆ . <i>Journal of Alloys and Compounds</i> , 2018 , 767, 1041-1047	5.7	9
129	The impact of Ba substitution on high-temperature transport in lanthanum-strontium ferrite. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 899-907	2.6	2
128	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	2.6	12
127	Oxygen nonstoichiometry and defect equilibria in La _{0.49} Sr _{0.5} Ba _{1-x} FeO ₃ . <i>Materials Letters</i> , 2018 , 213, 58-61	3.3	12
126	Oxygen Nonstoichiometry and Transport Properties of Mixed-Conducting Ce _{0.6} La _{0.4} Pr _x O ₂ . <i>Russian Journal of Electrochemistry</i> , 2018 , 54, 486-492	1.2	5
125	Uncertainty of oxygen content in highly nonstoichiometric oxides from neutron diffraction data: example of perovskite-type Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 3456-3463	1.3	10
124	Seebeck coefficient of Ca _{1-x} Pr _x MnO ₃ paramagnetic manganites. <i>Inorganic Materials</i> , 2017 , 53, 583-588	0.9	6
123	Electron transport and mobility analysis in La/Sr co-doped CaMnO ₃ . <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 2099-2108	2.6	9
122	Electrical conductivity and carrier mobility in Ca _{1-x} Pr _x MnO ₃ manganites. <i>Inorganic Materials</i> , 2017 , 53, 589-594	0.9	6
121	Oxygen thermodynamics and defect chemistry of nonstoichiometric manganites Ca _{0.6} B _r _{0.4} LaMnO ₃ . <i>Journal of Alloys and Compounds</i> , 2017 , 690, 80-85	5.7	0
120	Oxygen non-stoichiometry and mixed conductivity of La _{0.5} Sr _{0.5} Fe _{1-x} Mn _x O ₃ . <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 225-234	2.6	17
119	Improved stability and defect structure of yttrium doped cobaltite PrBaCo ₂ O ₆ . <i>Solid State Ionics</i> , 2016 , 295, 90-95	3.3	17
118	Defect chemistry and high-temperature transport in SrFe _{1-x} Sn _x O ₃ . <i>Journal of Solid State Chemistry</i> , 2016 , 243, 190-197	3.3	9
117	Thermodynamic properties of nonstoichiometric oxygen in manganite Ca _{0.9} Pr _{0.1} MnO ₃ . <i>Russian Journal of Physical Chemistry A</i> , 2016 , 90, 2123-2128	0.7	1
116	Oxygen nonstoichiometry and defect chemistry of perovskite-structured SrFe _{1-x} Mo _x O ₃ solid solutions. <i>Solid State Ionics</i> , 2016 , 292, 116-121	3.3	34
115	Structural features and high-temperature properties of SrFe _{1-x} Bi _x O ₃ . <i>Solid State Ionics</i> , 2016 , 292, 83-87	3.3	9

114	Rare-Earth-Substituted Strontium Titanate: Insight into Local Oxygen-Rich Structures and Redox Kinetics. <i>Inorganic Chemistry</i> , 2016 , 55, 4836-49	5.1	9
113	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	0.7	4
112	Oxygen nonstoichiometry and defect equilibrium in electron doped $\text{Ca}_{0.6}\text{Sr}_{0.4}\text{La}_x\text{MnO}_3$ <i>Journal of Alloys and Compounds</i> , 2015 , 638, 44-49	5.7	15
111	Ion transport in dual-phase $\text{SrFe}_{1-x}\text{O}_3$ ($x = 0.03$ – 0.10): effects of redox cycling. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 841-849	2.6	3
110	Defect formation in double perovskites $\text{PrBaCo}_2\text{CuxO}_5$ at elevated temperatures. <i>Solid State Ionics</i> , 2015 , 274, 17-23	3.3	21
109	The impact of oxygen nonstoichiometry upon partial molar thermodynamic quantities in $\text{PrBaCo}_2\text{O}_5$ <i>Journal of Solid State Chemistry</i> , 2014 , 213, 93-97	3.3	15
108	Temperature activated electron transport in CaMnO_3 . <i>Solid State Ionics</i> , 2014 , 262, 678-681	3.3	10
107	Structure and transport properties of $\text{La}_{0.5}\text{Sr}_{0.5}\text{CaxFeO}_3$ <i>Solid State Ionics</i> , 2014 , 262, 672-677	3.3	7
106	Mixed conductivity, thermochemical expansion and electrochemical activity of Fe-substituted $(\text{La,Sr})(\text{Cr,Mg})\text{O}_3$ for solid oxide fuel cell anodes. <i>Journal of Power Sources</i> , 2014 , 249, 483-496	8.9	10
105	Oxygen ion and electron conductivity in fluorite-like molybdates $\text{Nd}_5\text{Mo}_3\text{O}_{16}$ and $\text{Pr}_5\text{Mo}_3\text{O}_{16}$. <i>Journal of Alloys and Compounds</i> , 2014 , 615, 395-400	5.7	27
104	Defect equilibrium in $\text{PrBaCo}_2\text{O}_5$ at elevated temperatures. <i>Journal of Solid State Chemistry</i> , 2013 , 206, 99-103	3.3	11
103	Phase separation-promoted ion conduction in $\text{SrFe}_{0.67}\text{O}_{3-x}$ ceramics. <i>Solid State Ionics</i> , 2013 , 244, 17-22	3.3	9
102	Thermodynamics of oxygen in CaMnO_3 <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 3185-3190	2.6	13
101	Ceramic membranes with mixed conductivity and their application. <i>Russian Chemical Reviews</i> , 2013 , 82, 772-782	6.8	14
100	Structural features and enhanced high-temperature oxygen ion transport in $\text{SrFe}_{1-x}\text{TaxO}_3$ <i>Journal of Solid State Chemistry</i> , 2013 , 197, 191-197	3.3	14
99	Electron transport in CaMnO_3 at elevated temperatures: a mobility analysis. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 1449-1454	2.6	15
98	Oxygen non-stoichiometry and defect equilibria in CaMnO_3 <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1187-1191	2.6	24
97	Oxygen nonstoichiometry and the thermodynamic properties of manganites $\text{Ca}_{1-x}\text{Sr}_x\text{La}_y\text{MnO}_3$ <i>Russian Journal of Physical Chemistry A</i> , 2011 , 85, 343-347	0.7	5

96	Applications of coulometric titration for studies of oxygen non-stoichiometry in oxides. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 931-954	2.6	55
95	Reaction control and long-term stability of partial methane oxidation over an oxygen membrane. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 253-257	2.6	25
94	Oxygen non-stoichiometry, high-temperature properties, and phase diagram of CaMnO_3 <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1071-1075	2.6	59
93	High-temperature electron-hole transport in $\text{PrBaCo}_2\text{O}_{5+x}$ <i>Journal of Solid State Chemistry</i> , 2011 , 184, 1951-1955	3.3	19
92	Oxygen deficiency, vacancy clustering and ionic transport in $(\text{La,Sr})\text{CoO}_3$ <i>Solid State Ionics</i> , 2011 , 192, 42-48	3.3	29
91	Oxygen nonstoichiometry, chemical expansion, mixed conductivity, and anodic behavior of Mo-substituted $\text{Sr}_3\text{Fe}_2\text{O}_7$ <i>Solid State Ionics</i> , 2010 , 181, 1052-1063	3.3	26
90	High-temperature transport and stability of $\text{SrFe}_{1-x}\text{Nb}_x\text{O}_3$ <i>Solid State Sciences</i> , 2009 , 11, 1156-1162	3.4	28
89	Evaluation of $\text{La}_{0.5}\text{Sr}_{0.5}\text{FeO}_3$ membrane reactors for partial oxidation of methane. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 391-395	2.6	23
88	Structural features, nonstoichiometry and high-temperature transport in $\text{SrFe}_{1-x}\text{MoxO}_3$ <i>Journal of Solid State Chemistry</i> , 2009 , 182, 799-806	3.3	49
87	The structure, nonstoichiometry, and thermodynamic characteristics of oxygen in strontium ferrite doped with niobium, $\text{SrFe}_{1-x}\text{Nb}_x\text{O}_3$ <i>Russian Journal of Physical Chemistry A</i> , 2009 , 83, 699-704	0.7	9
86	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	0.7	9
85	Defect Interactions in $\text{Sr}_3\text{La}(\text{Fe,Al})_3\text{O}_{10}$ by Computer Simulations and Mössbauer Spectroscopy. <i>Chemistry of Materials</i> , 2009 , 21, 5072-5078	9.6	9
84	Oxygen Nonstoichiometry, Mixed Conductivity, and Mössbauer Spectra of $\text{Ln}_{0.5}\text{A}_{0.5}\text{FeO}_3$ (Ln = La, Sm, A = Sr, Ba): Effects of Cation Size. <i>Chemistry of Materials</i> , 2008 , 20, 6457-6467	9.6	85
83	Oxygen nonstoichiometry and high-temperature transport in $\text{SrFe}_{1-x}\text{W}_x\text{O}_3$ <i>Solid State Ionics</i> , 2008 , 179, 99-103	3.3	30
82	Mixed conductivity, oxygen permeability and redox behavior of K_2NiF_4 -type $\text{La}_2\text{Ni}_{0.9}\text{Fe}_{0.1}\text{O}_4$ <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1425-1433	3.3	59
81	Oxygen nonstoichiometry and ionic transport in $\text{La}_2\text{Ni}(\text{Fe})\text{O}_4$ <i>Solid State Ionics</i> , 2008 , 179, 57-60	3.3	25
80	Structural stability and electrical transport in $\text{SrFe}_{1-x}\text{MoxO}_3$ <i>Solid State Ionics</i> , 2008 , 179, 1050-1053	3.3	42
79	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	9.6	27

78	Oxygen non-stoichiometry of $\text{Ln}_4\text{Ni}_{2.7}\text{Fe}_{0.3}\text{O}_{10}$ (Ln=La, Pr). <i>Journal of Solid State Chemistry</i> , 2007 , 180, 1902-1910	3-3	15
77	Oxygen nonstoichiometry, Mössbauer spectra and mixed conductivity of $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{FeO}_3$ <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 355-366	3-9	21
76	Redox behavior and transport properties of $\text{La}_{0.5-x}\text{Ce}_x\text{Sr}_{0.5+x}\text{FeO}_3$ and $\text{La}_{0.5-y}\text{Sr}_{0.5+2y}\text{Fe}_{1-y}\text{Nb}_y\text{O}_3$ perovskites. <i>Solid State Sciences</i> , 2007 , 9, 32-42	3-4	3
75	Oxygen non-stoichiometry and defect thermodynamics in $\text{La}_2\text{Ni}_{0.9}\text{Fe}_{0.1}\text{O}_4$ <i>Journal of Physics and Chemistry of Solids</i> , 2007 , 68, 1443-1455	3-9	30
74	Chemically Induced Expansion of La_2NiO_4 -Based Materials. <i>Chemistry of Materials</i> , 2007 , 19, 2027-2033	3-6	109
73	Oxygen-ion and electron conductivity in $\text{Sr}_2(\text{Fe}_{1-x}\text{Ga}_x)\text{O}_5$. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3045-3051	3-3	14
72	Oxygen nonstoichiometry and mixed conductivity of $\text{SrFe}_{1-x}\text{O}_3$ (M=Al, Ga): Effects of B-site doping. <i>Solid State Sciences</i> , 2006 , 8, 476-487	3-4	41
71	Defect Formation in $\text{La}_2\text{Ni}(\text{M})\text{O}_4$ (M= Co, Cu): Modelling and Coulometric Titration Study. <i>Materials Science Forum</i> , 2006 , 514-516, 397-401	0-4	1
70	Oxygen Nonstoichiometry and Ion-Electron Transport in $\text{SrFe}_{0.9}\text{M}_{0.1}\text{O}_3$ (M=Cr, Ti, Al). <i>Materials Science Forum</i> , 2006 , 514-516, 382-386	0-4	8
69	Defect formation in $\text{LaGa}(\text{Mg},\text{Ni})\text{O}_3$ A statistical thermodynamic analysis validated by mixed conductivity and magnetic susceptibility measurements. <i>Physical Review B</i> , 2006 , 74,	3-3	10
68	High-temperature order-disorder transition and polaronic conductivity in $\text{PrBaCo}_2\text{O}_{5.48}$. <i>Physical Review B</i> , 2006 , 73,	3-3	81
67	Lanthanum substituted CeNbO_4 scheelites: mixed conductivity and structure at elevated temperatures. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3503		29
66	Thermodynamic and structural properties of $\text{PrBaCo}_2\text{O}_5$ <i>Inorganic Materials</i> , 2006 , 42, 196-201	0-9	12
65	High-temperature phase equilibria in the oxide systems $\text{SrFe}_{1-x}\text{Ga}_x\text{O}_{2.5}$ $\text{SrFe}_{1-x}\text{Ga}_x\text{O}_3$ (x=0, 0.1, 0.2). <i>Journal of Solid State Chemistry</i> , 2006 , 179, 1093-1099	3-3	11
64	Mixed conductivity and Mössbauer spectra of $(\text{La}_{0.5}\text{Sr}_{0.5})_{1-x}\text{Fe}_{1-y}\text{Al}_y\text{O}_3$ (x=0-0.05, y=0-0.30). <i>Journal of Solid State Chemistry</i> , 2006 , 179, 1273-1284	3-3	24
63	Defect interactions in $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}(\text{M})\text{O}_3$ (M=Al, Ga) perovskites: Atomistic simulations and analysis of p(O ₂)-T diagrams. <i>Solid State Ionics</i> , 2006 , 177, 457-470	3-3	19
62	Mixed conductivity, stability and thermomechanical properties of Ni-doped $\text{La}(\text{Ga},\text{Mg})\text{O}_3$ <i>Solid State Ionics</i> , 2006 , 177, 549-558	3-3	16
61	Ion and electron conduction in $\text{SrFe}_{1-x}\text{Sc}_x\text{O}_3$ <i>Solid State Ionics</i> , 2006 , 177, 1757-1760	3-3	33

60	The thermodynamic properties of weakly bound oxygen and electron transport in Sr ₃ Fe ₂ O ₆ +□ under oxidizing conditions. <i>Russian Journal of Physical Chemistry A</i> , 2006 , 80, 523-528	0.7	2
59	Mechanisms of hopping conductivity in weakly doped La _{1-x} BaxMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 3429-3444	1.8	12
58	p-Type electron transport in La _{1-x} SrxFeO ₃ □ at high temperatures. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 921-927	3.3	69
57	Oxygen ionic transport in SrFe _{1-x} Al _y O ₃ □ and Sr _{1-x} CaxFe _{0.5} Al _{0.5} O ₃ □ ceramics. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 489-499	6	52
56	Transport properties and thermal expansion of perovskite-like La _{0.3} Sr _{0.7} Fe(Al,Cr)O ₃ □ ceramics. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2603-2607	6	17
55	Oxygen nonstoichiometry and electron-hole transport in La ₂ Ni _{0.9} Co _{0.1} O _{4+?} . <i>Solid State Ionics</i> , 2005 , 176, 179-188	3.3	20
54	Phase formation and iron oxidation states in SrFe(Al)O ₃ □ perovskites. <i>Materials Letters</i> , 2005 , 59, 1644-1648	3.3	43
53	Influence of the phase separation effect on low-field magnetic properties of La _{1-x} BaxMnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 293, 892-902	2.8	11
52	Transport properties and thermal expansion of Ti-substituted La _{1-x} SrxFeO ₃ □ (x=0.5□0.7). <i>Solid State Sciences</i> , 2005 , 7, 355-365	3.4	66
51	Methane oxidation over perovskite-related ferrites: Effects of oxygen nonstoichiometry. <i>Solid State Sciences</i> , 2005 , 7, 1344-1352	3.4	24
50	Oxygen nonstoichiometry in (M = Cu, Co) under oxidizing conditions. <i>Solid State Sciences</i> , 2005 , 7, 1353-1362	3.4	71
49	Mössbauer Spectra and Catalytic Behavior of Perovskite-like SrFe _{0.7} Al _{0.3} O ₃ □. <i>Catalysis Letters</i> , 2005 , 99, 249-255	2.8	18
48	Oxygen Ionic and Electronic Transport in Apatite-Type Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A1236	3.9	89
47	Oxygen ionic and electronic conductivity of La _{0.3} Sr _{0.7} Fe(Al)O ₃ □ perovskites. <i>Solid State Sciences</i> , 2004 , 6, 357-366	3.4	45
46	Ion□electron transport in strontium ferrites: relationships with structural features and stability. <i>Solid State Sciences</i> , 2004 , 6, 907-913	3.4	142
45	Transport properties and Mössbauer spectra of Fe-substituted La ₁₀ □(Si,Al) ₆ O ₂₆ apatites. <i>Materials Research Bulletin</i> , 2004 , 39, 763-773	5.1	36
44	Structural Aspects of Lithium Transfer in Solid Electrolytes Li _{2x} Zn _{2-3x} Ti _{1+x} O ₄ (0.33□1.67). <i>Journal of Structural Chemistry</i> , 2004 , 45, 262-268	0.9	26
43	High-temperature ion transport in La _{1-x} Sr _x FeO ₃ □. <i>Journal of Solid State Electrochemistry</i> , 2004 , 8, 578	2.6	35

42	Defect formation and transport in SrFe _{1-x} Al _x O _{3-δ} <i>Ionics</i> , 2004 , 10, 378-384	2.7	20
41	Transport properties and stability of Ni-containing mixed conductors with perovskite- and K ₂ NiF ₄ -type structure. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 26-37	3.3	88
40	Interfacial effects in electrochemical cells for oxygen ionic conduction measurements: III. Transference numbers vs. grain-boundary resistivity. <i>Solid State Ionics</i> , 2004 , 168, 137-151	3.3	12
39	Ionic and electronic conductivity of La _{9.83} Pr _x Si _{4.5} Fe _{1.5} O ₂₆ apatites. <i>Solid State Ionics</i> , 2004 , 171, 51-59	3.3	33
38	Characterization of mixed-conducting La ₂ Ni _{0.9} Co _{0.1} O ₄₊ membranes for dry methane oxidation. <i>Applied Catalysis A: General</i> , 2004 , 261, 25-35	5.1	39
37	Disordering and Mixed Conductivity in the Solid Solution LaSr ₂ Fe _{3-y} Cr _y O ₈₊ <i>Chemistry of Materials</i> , 2004 , 16, 5014-5020	9.6	31
36	Phase Transitions and Ion Transport in SrFe _{1-x} MxO _{2.5} , where M = Ga, Cr 2004 , 163-168		3
35	Mixed conductivity of gadolinium titanate-based pyrochlore ceramics: The grain boundary effects. <i>Ionics</i> , 2003 , 9, 122-126	2.7	2
34	Electron/hole and ion transport in La _{1-x} Sr _x FeO ₃ <i>Journal of Solid State Chemistry</i> , 2003 , 172, 219-231	3.3	171
33	High-temperature thermopower and conductivity of La _{1-x} Ba _x MnO ₃ (0.02 \leq x \leq 0.35). <i>Journal of Solid State Chemistry</i> , 2003 , 172, 1-5	3.3	11
32	Conductivity and carrier traps in La _{1-x} Sr _x Co _{1-z} Mn _z O ₃ (x=0.3; z=0 and 0.25). <i>Journal of Solid State Chemistry</i> , 2003 , 172, 296-304	3.3	30
31	Thermal and chemical induced expansion of La _{0.3} Sr _{0.7} (Fe,Ga)O ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 1417-1426	6	131
30	Structure, ionic conduction, and phase transformations in lithium titanate Li ₄ Ti ₅ O ₁₂ . <i>Physics of the Solid State</i> , 2003 , 45, 2183-2188	0.8	103
29	Mixed conductivity of zircon-type Ce _{1-x} A _x VO ₄ (A=Ca, Sr). <i>Ionics</i> , 2003 , 9, 231-237	2.7	1
28	Redox behaviour of Sr ₄ Fe ₆ O ₁₃ by Mössbauer spectroscopy and neutron diffraction. <i>Materials Letters</i> , 2003 , 57, 3245-3250	3.3	16
27	p-Type electronic conductivity, oxygen permeability and stability of La ₂ Ni _{0.9} Co _{0.1} O ₄₊ <i>Journal of Materials Chemistry</i> , 2003 , 13, 1136-1144		54
26	Studies on the perovskite-based La ₄ Sr _{n-4} Ti _n O _{3n+2} . <i>Materials Research Society Symposia Proceedings</i> , 2003 , 801, 204		1
25	A Novel Complex Cobalt Gallium Oxide Ca ₂ Co _{0.8} Ga _{1.2} O _{4.8} : Synthesis and High-Temperature Electron Transport Properties. <i>Journal of Solid State Chemistry</i> , 2002 , 167, 196-202	3.3	9

24	Oxygen Nonstoichiometry, Conductivity, and Seebeck Coefficient of $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}_{1-x}\text{Ga}_x\text{O}_{2.65+x}$ Perovskites. <i>Journal of Solid State Chemistry</i> , 2002 , 167, 203-213	3.3	101
23	Order-Disorder Enhanced Oxygen Conductivity and Electron Transport in Ruddlesden-Popper Ferrite-Titanate $\text{Sr}_3\text{Fe}_2\text{TixO}_6+x$ <i>Journal of Solid State Chemistry</i> , 2002 , 168, 275-283	3.3	39
22	Oxygen vacancy formation and ionic transport in $\text{Sr}_4\text{Fe}_6\text{O}_{13}$ <i>Journal of Solid State Electrochemistry</i> , 2002 , 6, 217-224	2.6	21
21	Perovskite-like system $(\text{Sr},\text{La})(\text{Fe},\text{Ga})\text{O}_3$ structure and ionic transport under oxidizing conditions. <i>Solid State Ionics</i> , 2002 , 150, 229-243	3.3	76
20	Oxygen Permeability and Ionic Conductivity of Perovskite-Related $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}(\text{Ga})\text{O}_{3-x}$ <i>Journal of the Electrochemical Society</i> , 2002 , 149, E125	3.9	43
19	Oxygen Intercalation in Strontium Ferrite: Evolution of Thermodynamics and Electron Transport Properties 2002 , 565-572		5
18	Ionic and p-type electronic transport in zircon-type $\text{Ce}_{1-x}\text{AxVO}_4$ (A = Ca, Sr). <i>Journal of Materials Chemistry</i> , 2002 , 12, 3738-3745		47
17	Electrical characterization of the intergrowth ferrite $\text{Sr}_4\text{Fe}_6\text{O}_{13+x}$ <i>Solid State Ionics</i> , 2001 , 139, 325-330	3.3	31
16	Electrical Properties of the Ferrite SrFeO_y at High Temperatures. <i>Journal of Solid State Chemistry</i> , 2001 , 158, 320-326	3.3	89
15	High-temperature electrical conductivity of $\text{Sr}_{0.7}\text{La}_{0.3}\text{FeO}_3$ <i>Solid State Ionics</i> , 2001 , 144, 361-369	3.3	27
14	High-temperature electrical transport in $\text{La}_{0.3}\text{Sr}_{0.7}\text{Fe}_{1-x}\text{Ga}_x\text{O}_3$ (x = 0.5). <i>Journal of Materials Chemistry</i> , 2001 , 11, 1201-1208		64
13	High-temperature electrical conductivity and thermopower in nonstoichiometric $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ (x=0.6). <i>Solid State Ionics</i> , 2000 , 130, 325-330	3.3	34
12	High-temperature equilibrium between $\text{YBa}_2\text{Cu}_{3-x}\text{Co}_x\text{O}_6+x$ solid solutions and oxygen. <i>Inorganic Materials</i> , 2000 , 36, 474-478	0.9	
11	structure and transport properties of $\text{Li}_{1-2x}\text{Co}_{1+x}\text{VO}_4$ lithium ionic conductors. <i>Inorganic Materials</i> , 2000 , 36, 942-946	0.9	0
10	Intercalation thermodynamics and chemical diffusion of oxygen in the solid solution $\text{YBa}_2\text{Cu}_3\text{Co}_x\text{O}_6+x$ <i>Solid State Ionics</i> , 1999 , 120, 239-249	3.3	8
9	Oxygen thermodynamics and ion conductivity in the solid solution $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ at large strontium content. <i>Ionics</i> , 1999 , 5, 444-449	2.7	20
8	Thermodynamics of the movable oxygen and conducting properties of the solid solution $\text{YBa}_2\text{Cu}_3\text{Co}_x\text{O}_6+x$ at high temperatures. <i>Ionics</i> , 1998 , 4, 191-199	2.7	26
7	The relation between high-temperature thermopower, conductivity and oxygen content in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. <i>Journal of Alloys and Compounds</i> , 1998 , 274, 103-109	5.7	11

6	High-temperature thermodynamics of oxygen equilibrium of solid solutions $\text{YBa}_2\text{Cu}_3\text{Zn}_x\text{O}_{6+x}$ with gas phase. <i>Journal of Alloys and Compounds</i> , 1998 , 274, 98-102	5-7	4
5	Regenerative energy conversion using oxygen solid electrolytes. <i>Ionics</i> , 1997 , 3, 89-95	2-7	
4	High temperature thermodynamics and oxygen permeability of $\text{PrBa}_2\text{Cu}_3\text{O}_6 + x$. <i>Solid State Ionics</i> , 1995 , 82, 5-13	3-3	10
3	Oxygen Nonstoichiometry of $(\text{Nd}_{2/3}\text{Ce}_{1/3})_4(\text{Ba}_{2/3}\text{Nd}_{1/3})_4\text{Cu}_6\text{O}_{16+x}$. <i>Journal of Solid State Chemistry</i> , 1995 , 120, 146-150	3-3	6
2	The oxygen permeation through $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. <i>Solid State Ionics</i> , 1993 , 66, 61-67	3-3	14
1	The oxygen conductivity and chemical diffusion in $\text{YBa}_2\text{Cu}_3\text{O}_6+x$ <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 210, 213-220	1-3	7