Vladislav Kharton

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#	Paper	IF	Citations
343	Transport properties of solid oxide electrolyte ceramics: a brief review. <i>Solid State Ionics</i> , 2004 , 174, 135	5 ₃ 1 3 19	888
342	Electrode materials and reaction mechanisms in solid oxide fuel cells: a brief review. <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 1367-1391	2.6	345
341	Ceria-based materials for solid oxide fuel cells. <i>Journal of Materials Science</i> , 2001 , 36, 1105-1117	4.3	342
340	Perovskite-type oxides for high-temperature oxygen separation membranes. <i>Journal of Membrane Science</i> , 1999 , 163, 307-317	9.6	268
339	Ionic transport in oxygen-hyperstoichiometric phases with K2NiF4-type structure. <i>Solid State Ionics</i> , 2001 , 143, 337-353	3.3	197
338	Oxygen ion transport in La2NiO4-based ceramics. <i>Journal of Materials Chemistry</i> , 1999 , 9, 2623-2629		194
337	Research on the electrochemistry of oxygen ion conductors in the former Soviet Union. II. Perovskite-related oxides. <i>Journal of Solid State Electrochemistry</i> , 1999 , 3, 303-326	2.6	173
336	Electrode materials and reaction mechanisms in solid oxide fuel cells: a brief review. <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 1039-1060	2.6	162
335	Oxygen transport in Ce0.8Gd0.2O2Ebased composite membranes. <i>Solid State Ionics</i> , 2003 , 160, 247-258	3.3	156
334	IonBlectron transport in strontium ferrites: relationships with structural features and stability. <i>Solid State Sciences</i> , 2004 , 6, 907-913	3.4	142
333	Oxygen Permeability of Ce[sub 0.8]Gd[sub 0.2]O[sub 2]La[sub 0.7]Sr[sub 0.3]MnO[sub 3]] Composite Membranes. <i>Journal of the Electrochemical Society</i> , 2000 , 147, 2814	3.9	139
332	Thermal and chemical induced expansion of La0.3Sr0.7(Fe,Ga)O3Reramics. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 1417-1426	6	131
331	Chemically Induced Expansion of La2NiO4+EBased Materials. <i>Chemistry of Materials</i> , 2007 , 19, 2027-203	3 9.6	109
330	Electrode materials and reaction mechanisms in solid oxide fuel cells: a brief review. III. Recent trends and selected methodological aspects. <i>Journal of Solid State Electrochemistry</i> , 2011 , 15, 1007-104	o ^{2.6}	105
329	Mixed conductivity and electrochemical behavior of (La0.75Sr0.25)0.95Cr0.5Mn0.5O3\(\textit{ISOlid State lonics}\), 178, 101-113	3.3	103
328	Surface-limited oxygen transport and electrode properties of La2Ni0.8Cu0.2O4+\(\textit{1}\)Solid State Ionics , 2004 , 166, 327-337	3.3	102
327	Oxygen Nonstoichiometry, Conductivity, and Seebeck Coefficient of La0.3Sr0.7Fe1\(\text{LG}\) GaxO2.65+\(\text{D}\) Perovskites. Journal of Solid State Chemistry, 2002 , 167, 203-213	3.3	101

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326	Materials of high-temperature electrochemical oxygen membranes. <i>Journal of Membrane Science</i> , 1996 , 111, 149-157	9.6	97	
325	The effect of cobalt oxide sintering aid on electronic transport in Ce0.80Gd0.20O2lælectrolyte. <i>Electrochimica Acta</i> , 2003 , 48, 1023-1029	6.7	96	
324	Oxygen ionic and electronic transport in apatite-type La10½(Si,Al)6O26⊞☐ <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2050-2061	3.3	96	
323	Ceramic Microstructure and Oxygen Permeability of SrCo (Fe, M) O 3 III(M = Cu or Cr) Perovskite Membranes. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 1363-1373	3.9	92	
322	The stability and mixed conductivity in La and Fe doped SrTiO3 in the search for potential SOFC anode materials. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 1831-1835	6	91	
321	Oxygen Ionic and Electronic Transport in Apatite-Type Solid Electrolytes. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A1236	3.9	89	
320	Transport properties and stability of Ni-containing mixed conductors with perovskite- and K2NiF4-type structure. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 26-37	3.3	88	
319	Research on the electrochemistry of oxygen ion conductors in the former Soviet Union. I. ZrO2-based ceramic materials. <i>Journal of Solid State Electrochemistry</i> , 1999 , 3, 61-81	2.6	88	
318	Oxide Ion Conduction in Solid Solutions Ln1-xSrxCoO3-(Ln = La, Pr, Nd). <i>Journal of Solid State Chemistry</i> , 1995 , 120, 128-136	3.3	86	
317	Oxygen Nonstoichiometry, Mixed Conductivity, and M\(\text{B}\)sbauer Spectra of Ln0.5A0.5FeO3\(\text{L}\)Ln = La\(\text{B}\)m, A = Sr, Ba): Effects of Cation Size. <i>Chemistry of Materials</i> , 2008 , 20, 6457-6467	9.6	85	
316	Spin-state ordering and magnetic structures in the cobaltites YBaCo2O5+[[目0.50 and 0.44). <i>Physical Review B</i> , 2007 , 75,	3.3	82	
315	Ionic conductivity of La(Sr)Ga(Mg,M)O3I(M=Ti, Cr, Fe, Co, Ni): effects of transition metal dopants. <i>Solid State Ionics</i> , 2000 , 132, 119-130	3.3	82	
314	Mixed electronic and ionic conductivity of LaCo(M)O3 (M=Ga, Cr, Fe or Ni)I. Oxygen transport in perovskites LaCoO3[IaGaO3. <i>Solid State Ionics</i> , 1997 , 104, 67-78	3.3	80	
313	Oxygen permeation through Sr(Ln)CoO3[[Ln=La,Nd,Sm,Gd) ceramic membranes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1998 , 52, 105-116	3.1	80	
312	Aluminosilicate-based sealants for SOFCs and other electrochemical applications A brief review. <i>Journal of Power Sources</i> , 2013 , 242, 486-502	8.9	78	
311	Interfacial effects in electrochemical cells for oxygen ionic conduction measurements I. The e.m.f. method. <i>Solid State Ionics</i> , 2001 , 140, 381-394	3.3	77	
310	Perovskite-like system (Sr,La)(Fe,Ga)O3Estructure and ionic transport under oxidizing conditions. <i>Solid State Ionics</i> , 2002 , 150, 229-243	3.3	76	
309	P-Type Electronic Transport in Ce0.8Gd0.2O2 IIThe Effect of Transition Metal Oxide Sintering Aids 2002 , 9, 199-207		76	

308	Electronfiole conduction in Pr-doped Ce(Gd)O2fby faradaic efficiency and emf measurements. <i>Electrochimica Acta</i> , 2001 , 46, 2879-2889	6.7	76
307	Research on the electrochemistry of oxygen ion conductors in the former Soviet Union. <i>Journal of Solid State Electrochemistry</i> , 2000 , 4, 243-266	2.6	75
306	Surface modification of La0.3Sr0.7CoO3lteramic membranes. <i>Journal of Membrane Science</i> , 2002 , 195, 277-287	9.6	74
305	Oxygen permeability of LaFe1\(\mathbb{R}\)NixO3\(\mathbb{R}\)olid solutions. Materials Research Bulletin, 1999 , 34, 1311-1317	5.1	74
304	Research on the electrochemistry of oxygen ion conductors in the former Soviet Union. <i>Journal of Solid State Electrochemistry</i> , 2001 , 5, 160-187	2.6	73
303	Processing, stability and oxygen permeability of Sr(Fe, Al)O3-based ceramic membranes. <i>Journal of Membrane Science</i> , 2005 , 252, 215-225	9.6	71
302	Oxygen nonstoichiometry in (M = Cu, Co) under oxidizing conditions. <i>Solid State Sciences</i> , 2005 , 7, 1353-	·13 <u>3</u> .62	71
301	Ionic conductivity of brownmillerite-type calcium ferrite under oxidizing conditions. <i>Solid State Ionics</i> , 2006 , 177, 2923-2930	3.3	69
300	The effect of Cr2O3 addition on crystallization and properties of La2O3-containing diopside glass-ceramics. <i>Acta Materialia</i> , 2008 , 56, 3065-3076	8.4	68
299	Mixed conductivity and stability of A-site-deficient Sr(Fe,Ti)O3Iperovskites. <i>Journal of Solid State Electrochemistry</i> , 2002 , 7, 30-36	2.6	68
298	Stability and mixed ionic⊞lectronic conductivity of (Sr,La)(Ti,Fe)O3Derovskites. <i>Solid State Ionics</i> , 2003 , 156, 45-57	3.3	67
297	Mixed ionicBlectronic conductors: effects of ceramic microstructure on transport properties. <i>Current Opinion in Solid State and Materials Science</i> , 2002 , 6, 261-269	12	67
296	Oxygen permeability, stability and electrochemical behavior of (Pr _{2} {text{NiO}}_{{4 + delta }})-based materials. <i>Journal of Electroceramics</i> , 2007 , 18, 205-218	1.5	66
295	Transport properties and thermal expansion of Ti-substituted La1⊠SrxFeO3∐x=0.5Ū.7). <i>Solid State Sciences</i> , 2005 , 7, 355-365	3.4	66
294	Mixed electronic and ionic conductivity of LaCo(M)O3 (M=Ga, Cr, Fe or Ni): IV. Effect of preparation method on oxygen transport in LaCoO3\(\text{Solid State Ionics}\), 2000 , 138, 135-148	3.3	65
293	Transport Properties and Thermal Expansion of Sr0.97Ti1⊠FexO3∏x=0.2Ū.8). <i>Journal of Solid State Chemistry</i> , 2001 , 156, 437-444	3.3	64
292	High-temperature electrical transport in La0.3Sr0.7Fe1 [kGaxO3 [kx = 0]0.5). <i>Journal of Materials Chemistry</i> , 2001 , 11, 1201-1208		64
291	Mixed conductivity, oxygen permeability and redox behavior of K2NiF4-type La2Ni0.9Fe0.1O4+1 <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1425-1433	3.3	59

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290	Processing, microstructure and properties of LaCoO3Ideramics. <i>Journal of the European Ceramic Society</i> , 2001 , 21, 2301-2309	6	59
289	Oxygen permeability of perovskites in the system SrCoO 3 Image: Solid State Ionics, 1997, 96, 141-15	13.3	56
288	Oxygen permeability and Faradaic efficiency of Ce0.8Gd0.2O2🛘a0.7Sr0.3MnO3ြcomposites. Journal of the European Ceramic Society, 2001 , 21, 1763-1767	6	56
287	Surface enhanced oxygen permeation in CaTi1NFexO3Neramic membranes. <i>Journal of Membrane Science</i> , 2004 , 236, 73-80	9.6	55
286	Transitions between P21, P63(3A), and P6322 modifications of SrAl2O4 by in situ high-temperature X-ray and neutron diffraction. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 3535-3544	3.3	54
285	Oxygen permeability, thermal expansion and mixed conductivity of GdxCe0.8\(\mathbb{R}\)Pr0.2O2\(\mathbb{L}\)x=0, 0.15, 0.2. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3347-3356	3.3	54
284	Ionic and electronic transport in stabilized La2Mo2O9 electrolytes. <i>Electrochimica Acta</i> , 2004 , 49, 3517	-365724	54
283	p-Type electronic conductivity, oxygen permeability and stability of La2Ni0.9Co0.1O4+\(\text{\Omega}\) Journal of Materials Chemistry, 2003 , 13, 1136-1144		54
282	Methane oxidation over Fe-, Co-, Ni- and V-containing mixed conductors. <i>Solid State Ionics</i> , 2005 , 176, 781-791	3.3	53
281	Optimization of La2O3-containing diopside based glass-ceramic sealants for fuel cell applications. Journal of Power Sources, 2009 , 189, 1032-1043	8.9	52
280	Electrochemical behavior of mixed-conducting oxide cathodes in contact with apatite-type La10Si5AlO26.5 electrolyte. <i>Electrochimica Acta</i> , 2007 , 52, 4428-4435	6.7	52
279	Transport properties and electrochemical activity of YBa(Co,Fe)4O7 cathodes. <i>Solid State Ionics</i> , 2006 , 177, 1823-1826	3.3	52
278	Oxygen ionic transport in SrFe1JAlyO3Dand Sr1lCaxFe0.5Al0.5O3Deramics. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 489-499	6	52
277	Oxygen ionic conductivity of Ti-containing strontium ferrite. <i>Solid State Ionics</i> , 2000 , 133, 57-65	3.3	52
276	Stability and oxygen transport properties of Pr2NiO4+Reramics. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 4269-4272	6	51
275	Effects of firing conditions and addition of Co on bulk and grain boundary properties of CGO. <i>Solid State Ionics</i> , 2005 , 176, 2799-2805	3.3	51
274	Oxygen transport in La2NiO4 + 🛘 Assessment of surface limitations and multilayer membrane architectures. <i>Solid State Ionics</i> , 2009 , 180, 812-816	3.3	48
273	Oxygen nonstoichiometry, thermal expansion and high-temperature electrical properties of layered NdBaCo2O5+and SmBaCo2O5+a <i>Materials Research Bulletin</i> , 2010 , 45, 1288-1292	5.1	48

272	Electron-hole transport in (La0.9Sr0.1)0.98Ga0.8Mg0.2O3lelectrolyte: effects of ceramic microstructure. <i>Electrochimica Acta</i> , 2003 , 48, 1817-1828	6.7	48
271	High-temperature transport and electrochemical properties of YBaCo4O7+\(\mathbb{I}\)Journal of Solid State Electrochemistry, 2005 , 9, 547-557	2.6	48
270	High oxygen permeability in fluorite-type Ce0.8Pr0.2O2D ia the use of sintering aids. <i>Journal of Membrane Science</i> , 2007 , 299, 1-7	9.6	47
269	Ionic and p-type electronic transport in zircon-type Ce1 $\&$ AxVO4 \exists (A = Ca, Sr). <i>Journal of Materials Chemistry</i> , 2002 , 12, 3738-3745		47
268	Oxygen permeability of mixed-conducting composite membranes: effects of phase interaction. Journal of Solid State Electrochemistry, 2006 , 10, 28-40	2.6	46
267	Oxygen ionic and electronic conductivity of La0.3Sr0.7Fe(Al)O3Derovskites. <i>Solid State Sciences</i> , 2004 , 6, 357-366	3.4	45
266	Phase interaction and oxygen transport in La0.8Sr0.2Fe0.8Co0.2O3(La0.9Sr0.1)0.98Ga0.8Mg0.2O3 composites. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 2631-2639	6	45
265	Ionic and electronic conductivities, stability and thermal expansion of La10 ⅓(Si,Al)6O26 ⊞ ⅓olid electrolytes. <i>Solid State Ionics</i> , 2006 , 177, 1725-1728	3.3	43
264	Oxygen ionic and electronic transport in apatite ceramics. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2583-2586	6	43
263	Phase formation and iron oxidation states in SrFe(Al)O3[perovskites. <i>Materials Letters</i> , 2005 , 59, 1644-1	1648	43
262	Oxygen Permeability and Ionic Conductivity of Perovskite-Related La[sub 0.3]Sr[sub 0.7]Fe(Ga)O[sub 3¶ <i>Journal of the Electrochemical Society</i> , 2002 , 149, E125	3.9	43
261	Oxygen nonstoichiometry and mixed conductivity of SrFe1NO3I(M=Al, Ga): Effects of B-site doping. <i>Solid State Sciences</i> , 2006 , 8, 476-487	3.4	41
260	Fe4+ formation in brownmillerite CaAl0.5Fe0.5O2.5+\(\Pi\)Materials Letters, 2003 , 57, 4388-4393	3.3	41
259	Surface-limited ionic transport in perovskites Sr0.97(Ti,Fe,Mg)O3 [Journal of Materials Chemistry, 2000 , 10, 1161-1169		41
258	B-site substitutions in LaNb1\(\text{M} \text{M} \text{XO4}\(\text{Imaterials} \) in the search for potential proton conductors (M=Ga, Ge, Si, B, Ti, Zr, P, Al). <i>Journal of Solid State Chemistry</i> , 2011 , 184, 863-870	3.3	39
257	Characterization of mixed-conducting La2Ni0.9Co0.1O4+Imembranes for dry methane oxidation. <i>Applied Catalysis A: General</i> , 2004 , 261, 25-35	5.1	39
256	Diopside B a disilicate glassderamic sealants for SOFCs: Enhanced adhesion and thermal stability by Sr for Ca substitution. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 3073-3086	6.7	38
255	Processing and oxygen permeation studies of asymmetric multilayer Ba0.5Sr0.5Co0.8Fe0.2O3I membranes. <i>Journal of Membrane Science</i> , 2011 , 380, 68-80	9.6	38

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254	Ionic and p-type electronic conduction in LaGa(Mg, Nb)O3Фerovskites. <i>Solid State Ionics</i> , 2000 , 128, 79-90	3.3	38	
253	Mixed electronic and ionic conductivity of LaCo(M)O3 (M=Ga, Cr, Fe or Ni) <i>Solid State Ionics</i> , 1999 , 120, 65-74	3.3	38	
252	Enhanced Low-Temperature Proton Conduction in Sr0.02La0.98NbO4lby Scheelite Phase Retention. <i>Chemistry of Materials</i> , 2010 , 22, 6673-6683	9.6	37	
251	Mixed conductivity, M\(\text{Isbauer}\) spectra and thermal expansion of (La,Sr)(Fe,Ni)O3\(\text{Iperovskites}\). Solid State Ionics, 2008 , 179, 2170-2180	3.3	37	
250	Structures, Phase Transitions, Hydration, and Ionic Conductivity of Ba4Ta2O9. <i>Chemistry of Materials</i> , 2010 , 22, 532-540	9.6	36	
249	Transport properties and Māsbauer spectra of Fe-substituted La10⊠(Si,Al)6O26 apatites. Materials Research Bulletin, 2004 , 39, 763-773	5.1	36	
248	On the relationships between structure, oxygen stoichiometry and ionic conductivity of CaTi1\(\text{RFexO3}\(\text{[}x=0.05, 0.20, 0.40, 0.60). \) Solid State Ionics, 2003 , 156, 371-381	3.3	36	
247	Oxygen Ionic and Electronic Transport in LaGa1NixO3Perovskites. <i>Journal of Solid State Chemistry</i> , 1999 , 142, 325-335	3.3	36	
246	Synthesis, crystal structure and properties of SmBaCo2⊠FexO5+□ <i>Journal of Solid State Chemistry</i> , 2013 , 204, 219-223	3.3	35	
245	Electrochemical properties of Pr-doped Ce(Gd)O2\(\text{IMaterials Letters}\), 2002, 53, 160-164	3.3	35	
244	Oxygen permeability, thermal expansion and stability of SrCo0.8Fe0.2O3BrAl2O4 composites. <i>Solid State Ionics</i> , 2007 , 178, 1205-1217	3.3	34	
243	Methane oxidation on the surface of mixed-conducting La0.3Sr0.7Co0.8Ga0.2O3-□ <i>Catalysis Communications</i> , 2004 , 5, 311-316	3.2	34	
242	Defect formation in Gd3Fe5O12-based garnets: a MBsbauer spectroscopy study. <i>Materials Letters</i> , 2004 , 58, 3432-3436	3.3	34	
241	Oxygen ionic transport in Bi2O3-based oxides: The solid solutions Bi2O3Nb2O5. <i>Journal of Solid State Electrochemistry</i> , 1998 , 2, 146-149	2.6	33	
240	Transport properties of sealants for high-temperature electrochemical applications: ROBaOBiO2 (R = Mg, Zn) glassDeramics. <i>Journal of the European Ceramic Society</i> , 2006 , 26, 3315-3324	6	33	
239	Ion and electron conduction in SrFe1⊠ScxO3⊡Solid State Ionics, 2006 , 177, 1757-1760	3.3	33	
238	Ionic and electronic conductivity of La9.83⊠PrxSi4.5Fe1.5O26⊞apatites. <i>Solid State Ionics</i> , 2004 , 171, 51-59	3.3	33	
237	Oxygen nonstoichiometry of Sr(Co,Fe)O3Ebased perovskites I. Coulometric titration of SrCo0.85Fe0.10Cr0.05O3Eby the two-electrode technique. <i>Solid State Ionics</i> , 2003 , 160, 259-270	3.3	33	

236	Oxygen permeability of perovskite-type Sr0.7Ce0.3MnO3\(\textit{IMaterials Letters}\), 2003, 57, 3017-3021	3.3	33
235	Mixed conductivity, thermal expansion, and oxygen permeability of Ce(Pr,Zr)O. <i>Solid State Ionics</i> , 2005 , 176, 1723-1730	3.3	33
234	Physicochemical and Transport Properties of Bicuvox-Based Ceramics 2000 , 4, 233-242		33
233	Stability and oxygen ionic conductivity of zircon-type Ce1NAxVO4+[(A=Ca, Sr). <i>Journal of Solid State Chemistry</i> , 2003 , 176, 47-56	3.3	32
232	Stability of Bi2O3-based solid electrolytes. <i>Materials Research Bulletin</i> , 2000 , 35, 515-520	5.1	32
231	Performance of perovskite-related oxide cathodes in contact with lanthanum silicate electrolyte. <i>Solid State Ionics</i> , 2009 , 180, 878-885	3.3	31
230	Structures, Phase Transitions, Hydration, and Ionic Conductivity of Ba4Nb2O9. <i>Chemistry of Materials</i> , 2009 , 21, 3853-3864	9.6	31
229	Atomic-scale insight into the oxygen ionic transport mechanisms in La2NiO4-based materials. <i>Computational and Theoretical Chemistry</i> , 2010 , 946, 57-64		31
228	Processing and characterization of La0.5Sr0.5FeO3-supported Sr1¼Fe(Al)O3BrAl2O4 composite membranes. <i>Journal of Membrane Science</i> , 2006 , 278, 162-172	9.6	31
227	Oxygen ion conductors for fuel cells and membranes: selected developments. <i>Solid State Ionics</i> , 2006 , 177, 1697-1703	3.3	31
226	The role of K2O on sintering and crystallization of glass powder compacts in the Li2OR2OAl2O3BiO2 system. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 2283-2292	6	30
225	Oxygen non-stoichiometry and defect thermodynamics in La2Ni0.9Fe0.1O4+\(\mathbb{I}\)Journal of Physics and Chemistry of Solids, 2007 , 68, 1443-1455	3.9	30
224	Diffusion and conductivity properties of cerium niobate. <i>Solid State Ionics</i> , 2006 , 177, 2059-2064	3.3	30
223	Ionic Transport in Gd[sub 3]Fe[sub 5]O[sub 12]- and Y[sub 3]Fe[sub 5]O[sub 12]-Based Garnets. Journal of the Electrochemical Society, 2003 , 150, J33	3.9	30
222	Thermomechanical, transport and anodic properties of perovskite-type (La0.75Sr0.25)0.95Cr1\(\text{IF} exO3\(\text{I} \) Journal of Power Sources, 2012 , 206, 59-69	8.9	29
221	Transport Properties of Fluorite-Type Ce0.8Pr0.2O2EOptimization via the Use of Cobalt Oxide Sintering Aid. <i>Chemistry of Materials</i> , 2009 , 21, 381-391	9.6	29
220	Oxygen deficiency, vacancy clustering and ionic transport in (La,Sr)CoO3 I <i>Solid State Ionics</i> , 2011 , 192, 42-48	3.3	29
219	Oxygen permeability and stability of asymmetric multilayer Ba0.5Sr0.5Co0.8Fe0.2O3 Ikeramic membranes. <i>Solid State Ionics</i> , 2011 , 192, 677-681	3.3	29

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218	Electrical behavior of aluminosilicate glass-ceramic sealants and their interaction with metallic solid oxide fuel cell interconnects. <i>Journal of Power Sources</i> , 2010 , 195, 522-526	8.9	29
217	Oxygen permeability, electronic conductivity and stability of La0.3Sr0.7CoO3-based perovskites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 134, 80-88	3.1	29
216	Lanthanum substituted CeNbO4+ßcheelites: mixed conductivity and structure at elevated temperatures. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3503		29
215	Direct oxidation of dry methane on nanocrystalline Ce0.8Gd0.2O2-IPt anodes. <i>Catalysis Communications</i> , 2003 , 4, 477-483	3.2	29
214	Thermal and mechanical stability of lanthanide-containing glassBeramic sealants for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1834-1846	13	28
213	A (3 + 3)-dimensional "hypercubic" oxide-ionic conductor: type II Bi2O3-Nb2O5. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6477-84	16.4	28
212	MBsbauer spectroscopy analysis of 57Fe-doped YBaCo4O7+EEffects of oxygen intercalation. Journal of Solid State Chemistry, 2009 , 182, 640-643	3.3	28
211	The defect chemistry of Ce(Pr, Zr)O2\(\textit{Dournal of Solid State Chemistry, \begin{align*} 2006, 179, 1469-1477 \\ \textit{1.50} \\ \textit{2.50} \\ \texti	3.3	28
210	Transport properties and structural stability of tetragonal CeNbO4+\(\Pi\)Solid State Ionics, 2006 , 177, 1015-	-130320	28
209	Transport properties and thermal expansion of La2Mo2O9-based solid electrolytes. <i>Materials Research Bulletin</i> , 2005 , 40, 361-371	5.1	28
208	Oxygen permeability and thermal expansion of SrCo (Ti)O3Iperovskites. <i>Materials Chemistry and Physics</i> , 1998 , 53, 6-12	4.4	27
207	Oxygen Nonstoichiometry and Ionic Conductivity of Sr3Fe2-xScxO7-\(\partial\) Chemistry of Materials, 2007 , 19, 3980-3987	9.6	27
206	Oxygen ionic conduction in brownmillerite CaAl0.5Fe0.5O2.5+\(\textit{Imaterials Research Bulletin, 2003, 38, 773-782}\)	5.1	27
205	Mixed conducting components of solid oxide fuel cell anodes. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 2623-2626	6	27
204	Oxygen Diffusion in, and Thermal Expansionof, SrTiO3-Dand CaTiO3-Based Materials. <i>Defect and Diffusion Forum</i> , 2000 , 186-187, 119-136	0.7	27
203	Oxygen permeability of La2Cu(Co)O4+Bolid solutions. <i>Solid State Ionics</i> , 1999 , 120, 281-288	3.3	27
202	Study of melilite based glasses and glass-ceramics nucleated by Bi2O3 for functional applications. <i>RSC Advances</i> , 2012 , 2, 10955	3.7	26
201	Electrical Properties and Dimensional Stability of Ce-Doped SrTiO3lFor Solid Oxide Fuel Cell Applications. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2993-3000	3.8	26

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