

Tor Grande

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327
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347
ext. papers

10,687
ext. citations

4.9
avg, IF

6.38
L-index

#	Paper	IF	Citations
327	Polymorphic Phase Transitions in Liquids and Glasses. <i>Science</i> , 1997 , 275, 322-323	33.3	395
326	Effect of hydrogen bonds on the thermodynamic behavior of liquid water. <i>Physical Review Letters</i> , 1994 , 73, 1632-1635	7.4	364
325	Structural instability of cubic perovskite $Ba_xSr_{1-x}Co_{1-y}Fe_yO_3$. <i>Solid State Ionics</i> , 2008 , 178, 1787-1791	3.3	338
324	On the Thermodynamic Stability of $BiFeO_3$. <i>Chemistry of Materials</i> , 2009 , 21, 169-173	9.6	268
323	Size-Dependent Properties of Multiferroic $BiFeO_3$ Nanoparticles. <i>Chemistry of Materials</i> , 2007 , 19, 6478-6484	6.484	263
322	Strain-controlled oxygen vacancy formation and ordering in $CaMnO_3$. <i>Physical Review B</i> , 2013 , 88,	3.3	250
321	One-dimensional nanostructures of ferroelectric perovskites. <i>Advanced Materials</i> , 2011 , 23, 4007-34	24	231
320	Direct observation of ferroelectric field effect and vacancy-controlled screening at the $BiFeO_3/La_xSr_{1-x}MnO_3$ interface. <i>Nature Materials</i> , 2014 , 13, 1019-25	27	195
319	Combustion Synthesis and Characterization of Nanocrystalline CeO_2 -Based Powders. <i>Chemistry of Materials</i> , 2004 , 16, 5489-5494	9.6	176
318	The Ferroic Phase Transitions of $BiFeO_3$. <i>Advanced Materials</i> , 2008 , 20, 3692-3696	24	168
317	Crystal Structure and Thermal Expansion of $La_{1-x}Sr_xFeO_3$. <i>Journal of the American Ceramic Society</i> , 2005 , 87, 1952-1958	3.8	139
316	Electronic structure and magnetic properties of cubic and hexagonal $SrMnO_3$. <i>Physical Review B</i> , 2006 , 74,	3.3	130
315	Electronic properties of reduced molybdenum oxides. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 9233-9245	3.127	127
314	Synthesis of $BiFeO_3$ by Wet Chemical Methods. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3430-3434	3.484	126
313	Synthesis and CO_2 Capture Properties of Nanocrystalline Lithium Zirconate. <i>Chemistry of Materials</i> , 2006 , 18, 6037-6046	9.6	109
312	Densification and properties of zirconia prepared by three different sintering techniques. <i>Ceramics International</i> , 2007 , 33, 1603-1610	5.1	101
311	Pressureless Sintering of Titanium Diboride with Nickel, Nickel Boride, and Iron Additives. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 3013-3020	3.8	100

310	Oxygen stoichiometry and structural properties of $\text{La}_{1-x}\text{A}_x\text{MnO}_3$ ($\text{A} = \text{Ca}$ or Sr and $0 \leq x \leq 1$). <i>Journal of Materials Chemistry</i> , 2002 , 12, 1058-1067		98
309	Effect of Weight Loss on Liquid-Phase-Sintered Silicon Carbide. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1047-1052	3.8	96
308	Breakdown of intermediate-range order in liquid GeSe_2 at high pressure. <i>Nature</i> , 2001 , 414, 622-5	50.4	91
307	Transparent and conducting ITO thin films by spin coating of an aqueous precursor solution. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15740		90
306	Van der Waals density functional study of the energetics of alkali metal intercalation in graphite. <i>RSC Advances</i> , 2014 , 4, 3973-3983	3.7	89
305	Nanocrystalline Lithium Zirconate with Improved Kinetics for High-Temperature CO_2 Capture. <i>Chemistry of Materials</i> , 2006 , 18, 1383-1385	9.6	88
304	Structure and Properties of Multiferroic Oxygen Hyperstoichiometric $\text{BiFe}_{1-x}\text{Mn}_x\text{O}_{3+\delta}$. <i>Chemistry of Materials</i> , 2009 , 21, 5176-5186	9.6	86
303	1D oxide nanostructures from chemical solutions. <i>Chemical Society Reviews</i> , 2014 , 43, 2187-99	58.5	83
302	Self-Assembled Growth of PbTiO_3 Nanoparticles into Microspheres and Bur-like Structures. <i>Chemistry of Materials</i> , 2007 , 19, 2213-2221	9.6	79
301	Thermal and chemical expansion of mixed conducting $\text{La}_{0.5}\text{Sr}_{0.5}\text{Fe}_{1-x}\text{Co}_x\text{O}_3$ materials. <i>Solid State Ionics</i> , 2006 , 177, 1795-1798	3.3	78
300	Hydrothermal synthesis and characterization of KNbO_3 nanorods. <i>CrystEngComm</i> , 2009 , 11, 1958	3.3	76
299	Reactions between Strontium-Substituted Lanthanum Manganite and Yttria-Stabilized Zirconia: I, Powder Samples. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 721-728	3.8	74
298	Compositional Effects of Nanocrystalline Lithium Zirconate on Its CO_2 Capture Properties. <i>Industrial & Engineering Chemistry Research</i> , 2008 , 47, 434-442	3.9	70
297	Chemical Expansion Due to Hydration of Proton-Conducting Perovskite Oxide Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2654-2661	3.8	67
296	Amorphous polymorphism. <i>Computational Materials Science</i> , 1995 , 4, 373-382	3.2	67
295	Phase diagram of silica from computer simulation. <i>Physical Review E</i> , 2004 , 70, 061507	2.4	66
294	Solid solubility and phase transitions in the system $\text{LaNb}_{1-x}\text{Ta}_x\text{O}_4$. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 2580-2585	3.3	65
293	Kinetic demixing and decomposition of oxygen permeable membranes. <i>Solid State Ionics</i> , 2006 , 177, 1583-1590	3.1	64

292	A van der Waals Density Functional Study of MoO ₃ and Its Oxygen Vacancies. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 8959-8968	3.8	64
291	Non-linear thermal evolution of the crystal structure and phase transitions of LaFeO ₃ investigated by high temperature X-ray diffraction. <i>Journal of Solid State Chemistry</i> , 2012 , 196, 249-254	3.3	61
290	Anisotropic Thermal and Chemical Expansion in Sr-Substituted LaMnO ₃ + δ Implications for Chemical Strain Relaxation. <i>Chemistry of Materials</i> , 2012 , 24, 338-345	9.6	61
289	High-Temperature Proton-Conducting Lanthanum Ortho-Niobate-Based Materials. Part II: Sintering Properties and Solubility of Alkaline Earth Oxides. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 879-886	3.8	61
288	Corner- versus face-sharing octahedra in AMnO ₃ perovskites (A=Ca, Sr, and Ba). <i>Physical Review B</i> , 2007 , 75,	3.3	61
287	Effects of Oxygen Mobility in LaBe-Based Perovskites on the Catalytic Activity and Selectivity of Methane Oxidation. <i>ACS Catalysis</i> , 2020 , 10, 3707-3719	13.1	60
286	Fragility transition in GeSe ₂ Be liquids. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 3396-3399	3.6	60
285	Development of Proton Conducting SOFCs Based on LaNbO ₄ Electrolyte \square Status in Norway. <i>Fuel Cells</i> , 2011 , 11, 17-25	2.9	59
284	Mechanical properties of LaCoO ₃ based ceramics. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 51-56	6	59
283	Structural and Thermal Properties of La _{1-x} Sr _x CoO ₃ - \square <i>Chemistry of Materials</i> , 2006 , 18, 6047-6053	9.6	58
282	Enthalpies of Oxidation of CaMnO ₃ - \square Ca ₂ MnO ₄ - \square and SrMnO ₃ - \square Deduced Redox Properties. <i>Chemistry of Materials</i> , 2001 , 13, 4005-4013	9.6	57
281	Luminescent properties of rare earth (Er, Yb) doped yttrium aluminium garnet thin films and bulk samples synthesised by an aqueous sol-gel technique. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 1707-1715	6	56
280	High-Temperature Proton-Conducting LaNbO ₄ -Based Materials: Powder Synthesis by Spray Pyrolysis. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3395-3400	3.8	55
279	Thermal and mechanical properties of LaNbO ₄ -based ceramics. <i>Ceramics International</i> , 2009 , 35, 2877-2883	3.8	50
278	Electronic structure of multiferroic BiFeO ₃ and related compounds: Electron energy loss spectroscopy and density functional study. <i>Physical Review B</i> , 2010 , 82,	3.3	48
277	Influence of volatile chlorides on the molten salt synthesis of ternary oxide nanorods and nanoparticles. <i>Inorganic Chemistry</i> , 2008 , 47, 3173-81	5.1	47
276	Diffusion of alkali metals in the first stage graphite intercalation compounds by vdW-DFT calculations. <i>RSC Advances</i> , 2015 , 5, 15985-15992	3.7	46
275	Phase equilibria in the pseudo-binary system SrOBe ₂ O ₃ . <i>Journal of Solid State Chemistry</i> , 2004 , 177, 2933-2942	3.3	46

274	Electronic properties of polycrystalline LaFeO ₃ . Part I: Experimental results and the qualitative role of Schottky defects. <i>Solid State Ionics</i> , 2005 , 176, 2783-2790	3-3	45
273	Polarization and strain response in Bi _{0.5} K _{0.5} TiO ₃ -BiFeO ₃ ceramics. <i>Applied Physics Letters</i> , 2012 , 101, 252904	3-4	44
272	High-temperature compressive creep behaviour of the perovskite-type oxide Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ . <i>Solid State Ionics</i> , 2009 , 180, 1564-1568	3-3	44
271	Monoclinic Ferroelastic Domains in LaCoO ₃ -Based Perovskites. <i>Advanced Materials</i> , 2007 , 19, 4399-4403	2-4	43
270	Reactions between Strontium-Substituted Lanthanum Manganite and Yttria-Stabilized Zirconia: II, Diffusion Couples. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 729-734	3-8	43
269	Ferroelastic Behavior of LaCoO ₃ -Based Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 84, 2029-2033	2-4	43
268	Synthesis, structure and magnetic properties of nanocrystalline YMnO ₃ . <i>Dalton Transactions</i> , 2011 , 40, 7583-9	4-3	42
267	Phase transitions, electrical conductivity and chemical stability of BiFeO ₃ at high temperatures. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1205-1208	3-3	42
266	Cation self-diffusion in LaCoO(3) and La(2)CoO(4) studied by diffusion couple experiments. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 2299-308	3-4	42
265	Effect of A-Site Cation Ordering on Chemical Stability, Oxygen Stoichiometry and Electrical Conductivity in Layered LaBaCo ₂ Double Perovskite. <i>Materials</i> , 2016 , 9,	3-5	42
264	Molten salt synthesis of K ₄ Nb ₆ O ₁₇ , K ₂ Nb ₄ O ₁₁ and KNb ₃ O ₈ crystals with needle- or plate-like morphology. <i>CrystEngComm</i> , 2011 , 13, 1304-1313	3-3	41
263	Chemical compatibility of candidate oxide cathodes for BaZrO ₃ electrolytes. <i>Solid State Ionics</i> , 2007 , 178, 593-599	3-3	41
262	Cation diffusion in La _{1-x} Sr _x FeO ₃ (x=0 and 0.1) measured by SIMS. <i>Solid State Ionics</i> , 2007 , 178, 907-914	3-3	40
261	Local Structure of Disordered Bi _{0.5} K _{0.5} TiO ₃ Investigated by Pair Distribution Function Analysis and First-Principles Calculations. <i>Chemistry of Materials</i> , 2017 , 29, 4244-4252	9-6	39
260	Impurity diffusion of (141)Pr in LaMnO(3), LaCoO(3) and LaFeO(3) materials. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6544-52	3-6	38
259	Microstructural characterization and electrical properties of spray pyrolyzed conventionally sintered or hot-pressed BaZrO ₃ and BaZr _{0.9} Y _{0.1} O ₃ . <i>Solid State Ionics</i> , 2011 , 182, 32-40	3-3	37
258	PbTiO(3) nanorod arrays grown by self-assembly of nanocrystals. <i>Nanotechnology</i> , 2008 , 19, 225605	3-4	35
257	Cation Self-Diffusion and Nonstoichiometry of Lanthanum Manganite Studied by Diffusion Couple Measurements. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 813-822	3-8	35

256	Effect of CO ₂ Exposure on the Chemical Stability and Mechanical Properties of BaZrO ₃ -Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 3685-3695	3.8	35
255	Atmosphere controlled conductivity and Maxwell-Wagner relaxation in Bi _{0.5} K _{0.5} TiO ₃ BiFeO ₃ ceramics. <i>Journal of Applied Physics</i> , 2014 , 115, 044104	2.5	33
254	Anisotropic Chemical Expansion of La _{1-x} Sr _x CoO ₃ . <i>Chemistry of Materials</i> , 2013 , 25, 927-934	9.6	33
253	Solid state sintering of nano-crystalline indium tin oxide. <i>Journal of the European Ceramic Society</i> , 2013 , 33, 565-574	6	33
252	Hydrogen permeation, transport properties and microstructure of Ca-doped LaNbO ₄ and LaNb ₃ O ₉ composites. <i>Journal of Membrane Science</i> , 2012 , 415-416, 878-885	9.6	32
251	Melting of Bi sublattice in nanosized BiFeO ₃ Perovskite by resonant X-ray diffraction. <i>Physical Review Letters</i> , 2010 , 105, 185501	7.4	32
250	Anisotropic and Nonlinear Thermal and Chemical Expansion of La _{1-x} Sr _x FeO ₃ (x = 0.3, 0.4, 0.5) Perovskite Materials. <i>Chemistry of Materials</i> , 2013 , 25, 3296-3306	9.6	31
249	Functionalized TiO nanoparticles by single-step hydrothermal synthesis: the role of the silane coupling agents. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 304-312	3	31
248	Degradation of TiB ₂ ceramics in liquid aluminum. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 3155-3164	3.1	31
247	Crystal Structure and Thermal Properties of La _{1-x} CaxCoO ₃ (0 ≤ x ≤ 0.4). <i>Chemistry of Materials</i> , 2006 , 18, 1680-1687	9.6	31
246	Sintering of sub-micron K _{0.5} Na _{0.5} NbO ₃ powders fabricated by spray pyrolysis. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1449-1457	6	30
245	Origin of ferroelectric polarization in tetragonal tungsten-bronze-type oxides. <i>Physical Review B</i> , 2016 , 93,	3.3	30
244	High-temperature semiconducting cubic phase of BiFe _{0.7} Mn _{0.3} O ₃ . <i>Physical Review B</i> , 2009 , 79,	3.3	30
243	Entropy of oxidation and redox energetics of CaMnO. <i>Solid State Ionics</i> , 2005 , 176, 2261-2267	3.3	30
242	Nitride glasses obtained by high-pressure synthesis. <i>Nature</i> , 1994 , 369, 43-45	50.4	30
241	Toughening of Y-doped BaZrO ₃ proton conducting electrolytes by hydration. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5846-5857	13	29
240	Mechanical properties of mixed conducting La _{0.5} Sr _{0.5} Fe _{1-x} Co _x O ₃ (0 ≤ x ≤ 1) materials. <i>Journal of Solid State Electrochemistry</i> , 2006 , 10, 635-642	2.6	29
239	Mechanical properties of LaFeO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 927-933	6	29

238	Electrical conductivity and thermopower of $(1-x)\text{BiFeO}_3-x\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ ($x = 0.1, 0.2$) ceramics near the ferroelectric to paraelectric phase transition. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 9420-8	3.6	28
237	In-situ structural investigations of ferroelasticity in soft and hard rhombohedral and tetragonal PZT. <i>Journal of Applied Physics</i> , 2015 , 118, 164104	2.5	28
236	The effect of cation non-stoichiometry in LaNbO_4 materials. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 8017-8026	6.7	28
235	Cation inter-diffusion between LaMnO_3 and LaCoO_3 materials. <i>Solid State Ionics</i> , 2011 , 202, 6-13	3.3	28
234	Synthesis of KNbO_3 nanorods by hydrothermal method. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1465-9	1.3	28
233	Chemical compatibility of proton conducting LaNbO_4 electrolyte with potential oxide cathodes. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 2823-2830	6	28
232	Structure, Stoichiometry, and Phase Purity of Calcium Substituted Lanthanum Manganite Powders. <i>Journal of Solid State Chemistry</i> , 1998 , 140, 320-330	3.3	28
231	Preferential Grain Orientation in Hot Pressed TiB_2 . <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1339-1341	3.8	28
230	Stress-strain Behavior During Compression of Polycrystalline $\text{La}_{1-x}\text{Ca}_x\text{CoO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2005 , 88, 726-730	3.8	28
229	Structural Properties of GeSe_2 at High Pressures. <i>Journal of Solid State Chemistry</i> , 1999 , 145, 167-173	3.3	28
228	Processing of high performance composite cathodes for protonic ceramic fuel cells by exsolution. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8609-8619	13	27
227	Effect of Cation Ordering on the Performance and Chemical Stability of Layered Double Perovskite Cathodes. <i>Materials</i> , 2018 , 11,	3.5	26
226	Piezoelectric $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ Ceramics Textured Using Needlelike $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ Templates. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3818-3825	3.8	26
225	Structure, thermal expansion and electrical conductivity of Nb-substituted LaCoO_3 . <i>Journal of Solid State Chemistry</i> , 2012 , 192, 246-254	3.3	26
224	Chemical Degradation of Cathode Linings in Hall-Héroult Cells: An Autopsy Study of Three Spent Pot Linings. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012 , 43, 290-301	2.5	26
223	Oxygen and Hydrogen Separation Membranes Based on Dense Ceramic Conductors. <i>Membrane Science and Technology</i> , 2008 , 401-458		26
222	Enthalpies of Formation of $\text{La}_{1-x}\text{A}_x\text{MnO}_3$ ($\text{A}=\text{Ca}$ and Sr) Measured by High-Temperature Solution Calorimetry. <i>Journal of Solid State Chemistry</i> , 2002 , 163, 186-193	3.3	26
221	Lead-Free Relaxor-Like $0.75\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3 \cdot 0.25\text{BiFeO}_3$ Ceramics with Large Electric Field-Induced Strain. <i>Ferroelectrics</i> , 2012 , 439, 88-94	0.6	25

220	Electronic properties of polycrystalline LaFeO ₃ . Part II: Defect modelling including Schottky defects. <i>Solid State Ionics</i> , 2005 , 176, 2609-2616	3.3	25
219	Spectroscopic Investigations of Fluorozirconate Glasses in the Ternary Systems ZrF ₄ BaF ₂ AF (A = Na, Li). <i>The Journal of Physical Chemistry</i> , 1996 , 100, 5457-5463		25
218	Progression of reduction of MoO ₃ observed in powders and solution-processed films. <i>Thin Solid Films</i> , 2017 , 626, 94-103	2.2	24
217	Thermal evolution of the crystal structure of proton conducting BaCe _{0.8} Y _{0.2} O _{3-δ} from high-resolution neutron diffraction in dry and humid atmosphere. <i>Dalton Transactions</i> , 2015 , 44, 10834-463	4.3	24
216	Control of conductivity and electric field induced strain in bulk Bi _{0.5} K _{0.5} TiO ₃ BiFeO ₃ ceramics. <i>Applied Physics Letters</i> , 2014 , 104, 122905	3.4	24
215	Mechanical stability of piezoelectric properties in ferroelectric perovskites. <i>Journal of Applied Physics</i> , 2015 , 117, 194101	2.5	24
214	Hierarchical PbTiO ₃ Nanostructures Grown on SrTiO ₃ Substrates. <i>Crystal Growth and Design</i> , 2009 , 9, 1979-1984	3.5	24
213	Synthesis, densification and electrical properties of strontium cerate ceramics. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 4461-4471	6	24
212	Synthesis and Characterization of Nanocrystalline YSZ Powder by Smoldering Combustion Synthesis. <i>Journal of Nanomaterials</i> , 2006 , 2006, 1-7	3.2	24
211	Heat capacity and lattice dynamics of cubic and hexagonal SrMnO ₃ : Calorimetry and density functional theory simulations. <i>Physical Review B</i> , 2007 , 75,	3.3	23
210	Stable and metastable phase equilibria in the GeSe ₂ -Se system. <i>Journal of Phase Equilibria and Diffusion</i> , 1999 , 20, 17-28		23
209	In situ synchrotron X-ray diffraction of ferroelastic La _{0.8} Ca _{0.2} CoO ₃ ceramics during uniaxial compression. <i>Acta Materialia</i> , 2006 , 54, 2615-2624	8.4	22
208	Mass transport in La _{1-x} Sr _x FeO ₃ (x=0 and 0.1) measured by SIMS. <i>Solid State Ionics</i> , 2004 , 175, 69-71	3.3	22
207	High temperature transport kinetics in heteroepitaxial LaFeO ₃ thin films. <i>Solid-State Electronics</i> , 2003 , 47, 2279-2282	1.7	22
206	Phase equilibria and microstructure in Sr ₄ Fe _{6-x} Co _x O _{13-0.5x} mixed conductors. <i>Solid State Ionics</i> , 2001 , 143, 367-377	3.3	22
205	Sintering Behavior, Microstructure, and Phase Composition of Sr(Fe,Co)O _{3-δ} Ceramics. <i>Journal of the American Ceramic Society</i> , 2000 , 83, 3158-3164	3.8	22
204	Lanthanum zirconate thermal barrier coatings deposited by spray pyrolysis. <i>Surface and Coatings Technology</i> , 2013 , 227, 10-14	4.4	21
203	Template-assisted synthesis of PbTiO ₃ nanotubes. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 2575-2579	6	21

202	High-Temperature Creep Behavior of Mixed Conducting $\text{La}_{0.5}\text{Sr}_{0.5}\text{Fe}_{1-x}\text{Co}_x\text{O}_{3-\delta}$ ($0.5 \leq x \leq 1$) Materials. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2895-2898	3.8	21
201	Sintering of LaFeO_3 Ceramics. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 2318-2320	3.8	21
200	Structural Transformations in Three-Dimensional Crystalline GeSe_2 at High Pressures and High Temperatures. <i>Journal of Solid State Chemistry</i> , 2000 , 150, 121-127	3.3	21
199	Short-Range Order in Se-Rich GeSe Glasses—An Extended X-Ray Absorption Fine Structure Study. <i>Journal of Solid State Chemistry</i> , 1999 , 145, 253-259	3.3	21
198	Dense ceramic membranes based on ion conducting oxides. <i>Annales De Chimie: Science Des Materiaux</i> , 2007 , 32, 197-212	2.1	21
197	Synthesis of anisometric KNbO_3 and $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ single crystals by chemical conversion of non-perovskite templates. <i>CrystEngComm</i> , 2011 , 13, 1350-1359	3.3	20
196	Chemical Degradation of Si_3N_4 -Bonded SiC Sidelineing Materials in Aluminum Electrolysis Cells. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1296-1302	3.8	20
195	Preparation and characterisation of aluminium nitride—titanium nitride composites. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 2169-2179	6	20
194	Preparation and characterisation of aluminium nitride—silicon carbide composites. <i>Ceramics International</i> , 2004 , 30, 931-938	5.1	20
193	State-of-the-art alumino-silicate refractories for al electrolysis cells. <i>Jom</i> , 2002 , 54, 46-55	2.1	20
192	Sintering of LaCoO_3 based ceramics. <i>Journal of the European Ceramic Society</i> , 2000 , 20, 185-193	6	20
191	Microstructure and the influence of spontaneous strain in LaCoO_3 , $\text{La}_{0.8}\text{Sr}_{0.2}\text{CoO}_3$ and $\text{La}_{0.8}\text{Ca}_{0.2}\text{CoO}_3$. <i>Journal of Materials Science</i> , 2000 , 35, 4251-4260	4.3	20
190	High-pressure synthesis of nitride glasses. <i>Journal of Non-Crystalline Solids</i> , 1995 , 184, 151-154	3.9	20
189	Crystal structure, chemical expansion and phase stability of HoMnO_3 at high temperature. <i>Journal of Solid State Chemistry</i> , 2012 , 196, 528-535	3.3	19
188	Effect of B-site substitution on the stability of $\text{La}_{0.2}\text{Sr}_{0.8}\text{Fe}_{0.8}\text{B}_{0.2}\text{O}_3$ ($\text{B} = \text{Al, Ga, Cr, Ti, Ta, Nb}$). <i>Solid State Ionics</i> , 2012 , 225, 186-189	3.3	19
187	Crystal structure, electrical conductivity and thermal expansion of Ni and Nb co-doped LaCoO_3 . <i>Dalton Transactions</i> , 2013 , 42, 2704-15	4.3	19
186	Decomposition and Crystallization of a Solid-Gel-Derived PbTiO_3 Precursor. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2649-2652	3.8	19
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