

Peter R Slater

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.

170
papers

6,374
citations

37
h-index

76
g-index

179
ext. papers

7,177
ext. citations

5.8
avg. IF

5.88
L-index

#	Paper	IF	Citations
170	High entropy lithium garnets Testing the compositional flexibility of the lithium garnet system. <i>Journal of Solid State Chemistry</i> , 2022 , 308, 122944	3.3	0
169	High-Voltage Stabilization of O3-Type Layered Oxide for Sodium-Ion Batteries by Simultaneous Tin Dual Modification.. <i>Chemistry of Materials</i> , 2022 , 34, 4153-4165	9.6	0
168	Carbon dioxide decomposition through gas exchange in barium calcium iron niobates. <i>Catalysis Today</i> , 2021 , 364, 211-219	5.3	3
167	Structural, Magnetic and Catalytic Properties of a New Vacancy Ordered Perovskite Type Barium Cobaltate BaCoO. <i>Chemistry - A European Journal</i> , 2021 , 27, 9763-9767	4.8	4
166	Synthesis and structure of the perovskite related Sr _{4-x} BaxNa _{1-y} Li _y (BO ₃) ₃ solid solution series and the related a site cation ordered (Sr/Ca) ₄ Li(BO ₃) ₃ system. <i>Journal of Solid State Chemistry</i> , 2021 , 294, 121870	3.3	
165	Evaluation of GaLiNdZrO garnets: exploiting dopant instability to create a mixed conductive interface to reduce interfacial resistance for all solid state batteries. <i>Dalton Transactions</i> , 2021 , 50, 13786-13800	4.3	13800
164	Raman spectroscopy insights into the band phases of formamidinium lead iodide (FAPbI). <i>Dalton Transactions</i> , 2021 , 50, 3315-3323	4.3	1
163	Water based synthesis of highly conductive GaLiLaHfO garnets with comparable critical current density to analogous GaLiLaZrO systems. <i>Dalton Transactions</i> , 2021 , 50, 2364-2374	4.3	3
162	Electrochemical Reduction and Oxidation of RuddlesdenPopper-Type La ₂ NiO ₃ F ₂ within Fluoride-Ion Batteries. <i>Chemistry of Materials</i> , 2021 , 33, 499-512	9.6	5
161	Evaluation of the effect of site substitution of Pr doping in the lithium garnet system LiLaNbO. <i>Dalton Transactions</i> , 2020 , 49, 10349-10359	4.3	7
160	Investigation of PO ₄ ³⁻ oxyanion-doping on the properties of CaFe _{0.4} Ti _{0.6} O ₃ for potential application as symmetrical electrodes for SOFCs. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155437	5.7	3
159	The Building Blocks of Battery Technology: Using Modified Tower Block Game Sets to Explain and Aid the Understanding of Rechargeable Li-Ion Batteries. <i>Journal of Chemical Education</i> , 2020 , 97, 2231-2237	2.4	4
158	Understanding the effect of water transport on the thermal expansion properties of the perovskites BaFe _{0.6} Co _{0.3} Nb _{0.1} O ₃ and BaCo _{0.7} Yb _{0.2} Bi _{0.1} O ₃ <i>Journal of Materials Science</i> , 2020 , 55, 13590-13604	4.3	0
157	Synthesis, structure and electrochemical performance of Eldfellite, NaFe(SO ₄) ₂ , doped with SeO ₄ , HPO ₄ and PO ₃ F. <i>Journal of Solid State Chemistry</i> , 2020 , 289, 121395	3.3	1
156	Topochemical Reduction of La ₂ NiO ₃ F ₂ : The First Ni-Based RuddlesdenPopper n = 1 T'-Type Structure and the Impact of Reduction on Magnetic Ordering. <i>Chemistry of Materials</i> , 2020 , 32, 3160-3179	9.6	9
155	Degradation induced lattice anchoring self-passivation in CsPbI ₃ Br _x . <i>Journal of Materials Chemistry A</i> , 2020 , 8, 9963-9969	13	6
154	Low temperature synthesis of garnet solid state electrolytes: Implications on aluminium incorporation in Li ₇ La ₃ Zr ₂ O ₁₂ . <i>Solid State Ionics</i> , 2020 , 350, 115317	3.3	12

153	Topochemical Fluorination of = 2 Ruddlesden-Popper Type SrTiO to SrTiOF and Its Reductive Defluorination. <i>Inorganic Chemistry</i> , 2020 , 59, 1153-1163	5.1	8
152	Combined Experimental and Computational Study of Ce-Doped La ₃ Zr ₂ Li ₇ O ₁₂ Garnet Solid-State Electrolyte. <i>Chemistry of Materials</i> , 2020 , 32, 215-223	9.6	18
151	Suitability of strontium and cobalt-free perovskite cathodes with LaSiAlO apatite electrolyte for intermediate temperature solid oxide fuel cells. <i>Dalton Transactions</i> , 2020 , 49, 14280-14289	4.3	1
150	X-ray pair distribution function analysis and electrical and electrochemical properties of cerium doped LiLaNbO garnet solid-state electrolyte. <i>Dalton Transactions</i> , 2020 , 49, 11727-11735	4.3	6
149	Carbon dioxide and water incorporation mechanisms in SrFeO phases: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25146-25155	3.6	1
148	Effect of Si-Doping on the Structure and Conductivity of (Sr/Ca) ₂ MnFeO _{6-δ} Systems. <i>ECS Transactions</i> , 2019 , 91, 1425-1436	1	2
147	Introduction of Sulfate to Stabilize the n = 3 Ruddlesden-Popper System Sr ₄ Fe ₃ O _{10-δ} as a Potential SOFC Cathode. <i>ECS Transactions</i> , 2019 , 91, 1467-1476	1	3
146	Na-Ion Batteries: Positive Electrode Materials 2019 , 1-14		
145	BaCoO: a new highly oxygen deficient perovskite-related phase with unusual Co coordination obtained by high temperature reaction with short reaction times. <i>Chemical Communications</i> , 2019 , 55, 2920-2923	5.8	3
144	Comparison of the thermal resistance behaviour of synthesized Ln ₄ Al ₂ O ₉ (Ln = Y, Sm, Eu, Gd, Tb) materials vs commercial Zr _{0.8} Y _{0.2} O _{1.9} (8YSZ). <i>Surface and Coatings Technology</i> , 2019 , 374, 745-751	4.4	1
143	Synthesis of new Ln(AlOF)O (Ln = Sm, Eu, Gd) phases with a cuspidine-related structure. <i>IUCrJ</i> , 2019 , 6, 128-135	4.7	1
142	Recycling lithium-ion batteries from electric vehicles. <i>Nature</i> , 2019 , 575, 75-86	50.4	735
141	Mechanism of Carbon Dioxide and Water Incorporation in Ba ₂ TiO ₄ : A Joint Computational and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1061-1069	3.8	3
140	Synthesis, structure and electrical conductivity of a new perovskite type barium cobaltate BaCoO(OH). <i>Dalton Transactions</i> , 2018 , 47, 11136-11145	4.3	9
139	Topochemical Fluorination of LaNiO: Unprecedented Ordering of Oxide and Fluoride Ions in LaNiOF. <i>Inorganic Chemistry</i> , 2018 , 57, 6549-6560	5.1	19
138	Carbonate: an alternative dopant to stabilize new perovskite phases; synthesis and structure of BaYbOCO and related isostructural phases BaLnOCO (Ln = Y, Dy, Ho, Er, Tm and Lu). <i>Dalton Transactions</i> , 2018 , 47, 12901-12906	4.3	4
137	Structure and Lithium-Ion Dynamics in Fluoride-Doped Cubic Li ₇ La ₃ Zr ₂ O ₁₂ (LLZO) Garnet for Li Solid-State Battery Applications. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 27811-27819	3.8	15
136	Designing a facile low cost synthesis strategy for the Na-V-S-O systems, NaV(SO), NaV(SO) and NaVO(SO). <i>Dalton Transactions</i> , 2018 , 47, 13535-13542	4.3	8

135	Thermochemical CO ₂ splitting using double perovskite-type Ba ₂ Ca _{0.66} Nb _{1.34} Fe _x O ₆ <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6874-6883	13	19
134	Investigation into the Effect of Sulfate and Borate Incorporation on the Structure and Properties of SrFeO ₃ <i>Crystals</i> , 2017 , 7, 169	2-3	7
133	Exploring the mixed transport properties of sulfur(VI)-doped Ba ₂ In ₂ O ₅ for intermediate-temperature electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11069-11078	13	10
132	Effect of tri- and tetravalent metal doping on the electrochemical properties of lanthanum tungstate proton conductors. <i>Dalton Transactions</i> , 2016 , 45, 3130-8	4-3	9
131	Neutron diffraction and multinuclear solid state NMR investigation into the structures of oxide ion conducting La _{9.6} Si ₆ O _{26.4} and La ₈ Sr ₂ Si ₆ O ₂₆ , and their hydrated phases. <i>Dalton Transactions</i> , 2016 , 45, 121-33	4-3	8
130	Interstitial Oxide Ion Distribution and Transport Mechanism in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4468-83	16.4	12
129	Synthesis, structural characterisation and proton conduction of two new hydrated phases of barium ferrite BaFeO _{2.5x} (OH) _{2x} . <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3415-3430	13	15
128	Large Nonclassical Electrostriction in (Y, Nb)-Stabilized Bi ₂ O ₃ . <i>Advanced Functional Materials</i> , 2016 , 26, 1138-1142	15.6	33
127	Magnetic interactions in cubic-, hexagonal- and trigonal-barium iron oxide fluoride, BaFeO ₂ F. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 346001	1.8	6
126	A computational study of doped olivine structured CdGeO: local defect trapping of interstitial oxide ions. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 26284-26290	3.6	3
125	Evaluation of using protective/conductive coating on Fe-22Cr mesh as a composite cathode contact material for intermediate solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 4804-4818	6.7	17
124	A combined single crystal neutron/X-ray diffraction and solid-state nuclear magnetic resonance study of the hybrid perovskites CH ₃ NH ₃ PbX ₃ (X = I, Br and Cl). <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9298-9307	13	216
123	Oxyanions in perovskites: from superconductors to solid oxide fuel cells. <i>Dalton Transactions</i> , 2015 , 44, 10559-69	4-3	31
122	Laser machining of LaNi _{0.6} M _{0.4} O ₃ (M: Co, Fe) dip-coated on a Fe ₂ Cr mesh material to obtain a new contact coating for SOFC: Interaction between Crofer22APU interconnect and La _{0.6} Sr _{0.4} FeO ₃ cathode. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 8407-8418	6.7	11
121	Reply to Structural and magnetic behavior of the cubic oxyfluoride SrFeO ₂ F studied by neutron diffraction <i>Journal of Solid State Chemistry</i> , 2015 , 226, 326-331	3-3	10
120	Anisotropic oxide ion conduction in melilite intermediate temperature electrolytes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3091-3096	13	18
119	Synthesis and characterization of novel Ge doped Sr _{1-x} Ca _y FeO _{3-δ} SOFC cathode materials. <i>Materials Research Bulletin</i> , 2015 , 67, 63-69	5-1	5
118	Crystal Chemical Analysis of Nd _{9.33} Si ₆ O ₂₆ and Nd ₈ Sr ₂ Si ₆ O ₂₆ Apatite Electrolytes Using Aberration-Corrected Scanning Transmission Electron Microscopy and Impedance Spectroscopy. <i>Chemistry of Materials</i> , 2015 , 27, 1217-1222	9.6	7

117	Investigation into the effect of Si doping on the cell symmetry and performance of Sr _{1-y} Ca _y FeO _{3-δ} SOFC cathode materials. <i>Journal of Solid State Chemistry</i> , 2014 , 213, 132-137	3-3	22
116	Introducing a large polar tetragonal distortion into Ba-doped BiFeO ₃ by low-temperature fluorination. <i>Inorganic Chemistry</i> , 2014 , 53, 12572-83	5-1	21
115	Development of CaMn _{1-x} Ru _x O _{3-y} (x = 0 and 0.15) oxygen reduction catalysts for use in low temperature electrochemical devices containing alkaline electrolytes: ex situ testing using the rotating ring-disk electrode voltammetry method. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 3047-3056	13	34
114	Structural study of the apatite Nd ₃ Si ₂ O ₇ by Laue neutron diffraction and single-crystal Raman spectroscopy. <i>Inorganic Chemistry</i> , 2014 , 53, 9416-23	5-1	7
113	LaNi _{0.6} Co _{0.4} O _{3-δ} dip-coated on FeCr mesh as a composite cathode contact material on intermediate solid oxide fuel cells. <i>Journal of Power Sources</i> , 2014 , 269, 509-519	8-9	19
112	Crystallographic and magnetic structure of the perovskite-type compound BaFeO _{2.5} : unrivaled complexity in oxygen vacancy ordering. <i>Inorganic Chemistry</i> , 2014 , 53, 5911-21	5-1	36
111	Hydrothermal synthesis, structure investigation, and oxide ion conductivity of mixed Si/Ge-based apatite-type phases. <i>Inorganic Chemistry</i> , 2014 , 53, 4803-12	5-1	13
110	Investigation into the Incorporation of Phosphate into BaCe _{1-y} AyO _{3-y/2} (A = Y, Yb, In). <i>Inorganics</i> , 2014 , 2, 16-28	2-9	5
109	Investigation into the effect of Si doping on the performance of Sr _(1-y) Ca _y MnO _(3-δ) SOFC cathode materials. <i>Dalton Transactions</i> , 2013 , 42, 5421-9	4-3	16
108	Topochemical modifications of mixed metal oxide compounds by low-temperature fluorination routes. <i>Reviews in Inorganic Chemistry</i> , 2013 , 33, 105-117	2-4	46
107	A neutron diffraction study and mode analysis of compounds of the system La _{1-x} Sr _x FeO _{3-x/2} (x=1, 0.8, 0.5, 0.2) and an investigation of their magnetic properties. <i>Journal of Solid State Chemistry</i> , 2013 , 206, 158-169	3-3	33
106	Synthesis, structural and magnetic characterisation of the fluorinated compound 15R-BaFeO ₂ F. <i>Journal of Solid State Chemistry</i> , 2013 , 203, 218-226	3-3	20
105	Facile proton conduction in H ⁺ /Li ⁺ ion-exchanged garnet-type fast Li-ion conducting Li ₅ La ₃ Nb ₂ O ₁₂ . <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13469	13	49
104	Synthesis, conductivity and structural aspects of Nd ₃ Zr ₂ Li _{7-3x} Al _x O ₁₂ . <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14013	13	19
103	Investigation into the effect of Si doping on the performance of SrFeO _{3-δ} SOFC electrode materials. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11834	13	46
102	On the soft magnetic properties of the compounds of the series Na _(x) Mn _(4.5-x/2) (VO ₄) ₃ and the magnetic structure of h.t.-Mn ₃ (VO ₄) ₂ (x = 1). <i>Dalton Transactions</i> , 2013 , 42, 7894-900	4-3	4
101	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Chemistry of Materials</i> , 2013 , 25, 1109-1120	9-6	18
100	Battery and solid oxide fuel cell materials. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2013 , 109, 396		8

99	Synthesis, structural and magnetic characterisation of the fully fluorinated compound $6\text{H}\text{BaFeO}_2\text{F}$. <i>Journal of Solid State Chemistry</i> , 2013 , 198, 262-269	3.3	28
98	Oxygen Migration in Dense Spark Plasma Sintered Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3457-3462	3.8	2
97	Synthesis of oxyanion-doped barium strontium cobalt ferrites: Stabilization of the cubic perovskite and enhancement in conductivity. <i>Journal of Power Sources</i> , 2012 , 209, 180-183	8.9	32
96	Low temperature fluorination of $\text{Sr}_3\text{Fe}_2\text{O}_7$ with polyvinylidene fluoride: An X-ray powder diffraction and Mössbauer spectroscopy study. <i>Journal of Solid State Chemistry</i> , 2012 , 186, 195-203	3.3	22
95	Effect of Ga incorporation on the structure and Li ion conductivity of $\text{La}_3\text{Zr}_2\text{Li}_7\text{O}_{12}$. <i>Dalton Transactions</i> , 2012 , 41, 12048-53	4.3	76
94	Synthesis and Characterization of Oxyanion-Doped Cobalt Containing Perovskites. <i>Fuel Cells</i> , 2012 , 12, 1056-1063	2.9	26
93	Dense Oxide Ion Conducting Apatites Prepared by Spark Plasma Sintering. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2012 , 82, 43-48	0.9	5
92	Synthesis and characterisation of vanadium doped alkaline earth lanthanum germanate oxyapatite electrolyte. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2658-2669		5
91	Insight into the local structure of barium indate oxide-ion conductors: an X-ray total scattering study. <i>Dalton Transactions</i> , 2012 , 41, 50-3	4.3	18
90	Synthesis of new Mn/Ti containing perovskites and examination of their potential for use as solid oxide fuel cell electrodes. <i>International Journal of Low-Carbon Technologies</i> , 2012 , 7, 60-62	2.8	4
89	Synthesis and characterisation of oxyanion-doped manganites for potential application as SOFC cathodes. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8287		40
88	Synthesis and characterization of proton conducting oxyanion doped $\text{Ba}_2\text{Sc}_2\text{O}_5$. <i>Dalton Transactions</i> , 2012 , 41, 261-6	4.3	18
87	Battery and solid oxide fuel cell materials. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2012 , 108, 424		10
86	Hydrogen storage and ionic mobility in amide-halide systems. <i>Faraday Discussions</i> , 2011 , 151, 271-84; discussion 285-95	3.6	37
85	Oxyanion doping strategies to enhance the ionic conductivity in $\text{Ba}_2\text{In}_2\text{O}_5$. <i>Journal of Materials Chemistry</i> , 2011 , 21, 874-879		54
84	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2011 , 107, 434		2
83	Strategies for the Optimisation of the Oxide Ion Conductivities of Apatite-Type Germanates. <i>Fuel Cells</i> , 2011 , 11, 10-16	2.9	31
82	Novel Aspects of the Conduction Mechanisms of Electrolytes Containing Tetrahedral Moieties. <i>Fuel Cells</i> , 2011 , 11, 38-43	2.9	12

81	Oxygen Defects and Novel Transport Mechanisms in Apatite Ionic Conductors: Combined 17O NMR and Modeling Studies. <i>Angewandte Chemie</i> , 2011 , 123, 9500-9505	3.6	23
80	Oxygen defects and novel transport mechanisms in apatite ionic conductors: combined 17O NMR and modeling studies. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9328-33	16.4	48
79	Synthesis of silicon doped SrMO ₃ (M = Mn, Co): stabilization of the cubic perovskite and enhancement in conductivity. <i>Dalton Transactions</i> , 2011 , 40, 5599-603	4.3	43
78	Local structure investigation of oxide ion and proton defects in Ge-apatites by pair distribution function analysis. <i>Chemical Communications</i> , 2011 , 47, 250-2	5.8	10
77	Apatite germanates doped with tungsten: synthesis, structure, and conductivity. <i>Dalton Transactions</i> , 2011 , 40, 3903-8	4.3	28
76	Structure and magnetic properties of the cubic oxide fluoride BaFeO ₂ F. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 1361-1366	3.3	42
75	Raman spectroscopy studies of apatite-type germanate oxide ion conductors: correlation with interstitial oxide ion location and conduction. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2170		28
74	Silicon Doping in Ba ₂ In ₂ O ₅ : Example of a Beneficial Effect of Silicon Incorporation on Oxide Ion/Proton Conductivity. <i>Chemistry of Materials</i> , 2010 , 22, 5945-5948	9.6	34
73	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2010 , 106, 429		6
72	New Chemical Systems for Solid Oxide Fuel Cells. <i>Chemistry of Materials</i> , 2010 , 22, 675-690	9.6	310
71	Enhancement of the conductivity of Ba ₂ In ₂ O ₅ through phosphate doping. <i>Chemical Communications</i> , 2010 , 46, 4613-5	5.8	40
70	Origami: a versatile modeling system for visualising chemical structure and exploring molecular function. <i>Chemistry Education Research and Practice</i> , 2010 , 11, 43-47	2.1	9
69	Combined experimental and modelling studies of proton conducting La _{1-x} Ba _{1+x} GaO _{4-x/2} : proton location and dopant site selectivity. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10412		12
68	Protonic defects and water incorporation in Si and Ge-based apatite ionic conductors. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2766		33
67	Crystal chemistry and optimization of conductivity in 2A, 2M and 2H alkaline earth lanthanum germanate oxyapatite electrolyte polymorphs. <i>Solid State Ionics</i> , 2010 , 181, 1189-1196	3.3	15
66	Synthesis and characterisation of the Sr _x Ba _{1-x} FeO _{3-x/2} -system and the fluorinated phases Sr _x Ba _{1-x} FeO ₂ F. <i>Solid State Sciences</i> , 2010 , 12, 1455-1463	3.4	42
65	Solid-State Materials for Clean Energy: Insights from Atomic-Scale Modeling. <i>MRS Bulletin</i> , 2009 , 34, 935-941	3.4	25
64	Ionic Conductivity, Structure and Oxide Ion Migration Pathway in Fluorite-Based Bi ₈ La ₁₀ O ₂₇ . <i>Chemistry of Materials</i> , 2009 , 21, 4661-4668	9.6	15

63	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2009 , 105, 436		1
62	Pseudomorphic 2A→2M→2H phase transitions in lanthanum strontium germanate electrolyte apatites. <i>Dalton Transactions</i> , 2009 , 8280-91	4.3	14
61	Fluorination of perovskite-related phases of composition SrFe(1-x)Sn(x)O(3- δ). <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 256001	1.8	12
60	Preparation of high-oxygen-content apatite silicates through Ti-doping: effect of Ti-doping on the oxide ion conductivity. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5003		14
59	An investigation of the high temperature reaction between the apatite oxide ion conductor La _{9.33} Si ₆ O ₂₆ and NH ₃ . <i>Journal of Materials Chemistry</i> , 2009 , 19, 749-754		20
58	Neutron diffraction structural study of the apatite-type oxide ion conductor, La ₈ Y ₂ Ge ₆ O ₂₇ : location of the interstitial oxide ion site. <i>Journal of Materials Chemistry</i> , 2009 , 19, 7955		27
57	Cation ordering in Li containing garnets: synthesis and structural characterisation of the tetragonal system, Li ₇ La ₃ Sn ₂ O ₁₂ . <i>Dalton Transactions</i> , 2009 , 5177-81	4.3	68
56	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2008 , 104, 414		
55	Atomic-scale mechanistic features of oxide ion conduction in apatite-type germanates. <i>Chemical Communications</i> , 2008 , 715-7	5.8	70
54	Local Defect Structures and Ion Transport Mechanisms in the Oxygen-Excess Apatite La _{9.67} (SiO ₄) ₆ O _{2.5} . <i>Chemistry of Materials</i> , 2008 , 20, 5055-5060	9.6	102
53	Effect of oxygen content on the ²⁹ Si NMR, Raman spectra and oxide ion conductivity of the apatite series, La _{8+x} Sr _{2-x} (SiO ₄) ₆ O _{2+x/2} . <i>Dalton Transactions</i> , 2008 , 5296-301	4.3	57
52	Magnetic order in perovskite-related SrFeO ₂ F. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 215207	1.8	35
51	Fluorination of perovskite-related phases of composition La _{1-x} Sr _x Fe _{1-y} Co _y O _{3-δ} . <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 2032-2036	3.9	14
50	Synthesis and structural investigation of a new oxide fluoride of composition Ba ₂ SnO _{2.5} F _{3-δ} ·xH ₂ O (x \leq 0.5). <i>Journal of Solid State Chemistry</i> , 2008 , 181, 2185-2190	3.3	11
49	Interaction of (La _{1-x} Sr _x) _{1-y} MnO _{3-z} Tr _{1-z} YzO _{2-δ} cathodes and LaNi _{0.6} Fe _{0.4} O ₃ current collecting layers for solid oxide fuel cell application. <i>Solid State Ionics</i> , 2008 , 179, 732-739	3.3	27
48	Neutron diffraction and atomistic simulation studies of Mg doped apatite-type oxide ion conductors. <i>Faraday Discussions</i> , 2007 , 134, 181-94; discussion 215-33, 415-9	3.6	50
47	Synthesis and structural determination of the new oxide fluoride BaFeO ₂ F. <i>Solid State Communications</i> , 2007 , 141, 467-470	1.6	50
46	Cooperative mechanisms of fast-ion conduction in gallium-based oxides with tetrahedral moieties. <i>Nature Materials</i> , 2007 , 6, 871-5	27	164

45	Developing apatites for solid oxide fuel cells: insight into structural, transport and doping properties. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3104		215
44	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2007 , 103, 428		2
43	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2006 , 102, 482		2
42	Solid state ^{29}Si NMR studies of apatite-type oxide ion conductors. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1410		103
41	A comparison of the effect of rare earth vs Si site doping on the conductivities of apatite-type rare earth silicates. <i>Journal of Solid State Electrochemistry</i> , 2006 , 10, 562-568	2.6	67
40	Atomic-Scale Investigation of Defects, Dopants, and Lithium Transport in the LiFePO_4 Olivine-Type Battery Material. <i>Chemistry of Materials</i> , 2005 , 17, 5085-5092	9.6	848
39	Synthesis and structural characterisation of the new K_2NiF_4 -type phases, $\text{A}_2\text{In}_{0.5}\text{Sb}_{0.5}\text{O}_4$ (A = Sr, Ba). <i>Dalton Transactions</i> , 2005 , 460-3	4.3	6
38	Structural studies of apatite-type oxide ion conductors doped with cobalt. <i>Dalton Transactions</i> , 2005 , 1273-80	4.3	34
37	24 Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2005 , 101, 489		6
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