

Peter R Slater

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Assessing the Importance of Cation Size in the Tetragonal↔Cubic Phase Transition in Lithium↔Garnet Electrolytes**. Chemistry - A European Journal, 2022, 28, .	3.3	5
2	High entropy lithium garnets – Testing the compositional flexibility of the lithium garnet system. Journal of Solid State Chemistry, 2022, 308, 122944.	2.9	10
3	Halogenation of $\text{Li}_{7-x}\text{La}_3\text{Zr}_2\text{O}_{12}$ solid electrolytes: a combined solid-state NMR, computational and electrochemical study. Journal of Materials Chemistry A, 2022, 10, 11172-11185.	10.3	6
4	High-Voltage Stabilization of O3-Type Layered Oxide for Sodium-Ion Batteries by Simultaneous Tin Dual Modification. Chemistry of Materials, 2022, 34, 4153-4165.	6.7	47
5	Synthesis and structure of the perovskite related $\text{Sr}_{4-x}\text{Ba}_x\text{Na}_{1-y}\text{Li}_y(\text{BO}_3)_3$ solid solution series and the related a site cation ordered $(\text{Sr}/\text{Ca})_4\text{Li}(\text{BO}_3)_3$ system. Journal of Solid State Chemistry, 2021, 294, 121870.	2.9	0
6	Evaluation of $\text{Ga}_{0.2}\text{Li}_{6.4}\text{Nd}_3\text{Zr}_2\text{O}_{12}$ garnets: exploiting dopant instability to create a mixed conductive interface to reduce interfacial resistance for all solid state batteries. Dalton Transactions, 2021, 50, 13786-13800.	3.3	6
7	Raman spectroscopy insights into the $\hat{\Gamma}_\pm$ - and $\hat{\Gamma}'$ -phases of formamidinium lead iodide (FAPbI_3). Dalton Transactions, 2021, 50, 3315-3323.	3.3	12
8	Water based synthesis of highly conductive $\text{GaxLi}_7\text{La}_3\text{Hf}_2\text{O}_{12}$ garnets with comparable critical current density to analogous $\text{GaxLi}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ systems. Dalton Transactions, 2021, 50, 2364-2374.	3.3	6
9	Carbon dioxide decomposition through gas exchange in barium calcium iron niobates. Catalysis Today, 2021, 364, 211-219.	4.4	6
10	Structural, Magnetic and Catalytic Properties of a New Vacancy Ordered Perovskite Type Barium Cobaltate $\text{BaCoO}_{2.67}$. Chemistry - A European Journal, 2021, 27, 9763-9767.	3.3	6
11	Electrochemical Reduction and Oxidation of Ruddlesden↔Popper-Type $\text{La}_2\text{NiO}_3\text{F}_2$ within Fluoride-Ion Batteries. Chemistry of Materials, 2021, 33, 499-512.	6.7	19
12	Topochemical Fluorination of $n = 2$ Ruddlesden↔Popper Type $\text{Sr}_3\text{Ti}_2\text{O}_7$ to $\text{Sr}_3\text{Ti}_2\text{O}_5\text{F}_4$ and Its Reductive Defluorination. Inorganic Chemistry, 2020, 59, 1153-1163.	4.0	12
13	Combined Experimental and Computational Study of Ce-Doped $\text{La}_3\text{Zr}_2\text{Li}_7\text{O}_{12}$ Garnet Solid-State Electrolyte. Chemistry of Materials, 2020, 32, 215-223.	6.7	40
14	Suitability of strontium and cobalt-free perovskite cathodes with $\text{La}_{9.67}\text{Si}_5\text{AlO}_{26}$ apatite electrolyte for intermediate temperature solid oxide fuel cells. Dalton Transactions, 2020, 49, 14280-14289.	3.3	2
15	X-ray pair distribution function analysis and electrical and electrochemical properties of cerium doped $\text{Li}_5\text{La}_3\text{Nb}_2\text{O}_{12}$ garnet solid-state electrolyte. Dalton Transactions, 2020, 49, 11727-11735.	3.3	10
16	Carbon dioxide and water incorporation mechanisms in SrFeO_3 phases: a computational study. Physical Chemistry Chemical Physics, 2020, 22, 25146-25155.	2.8	4
17	Evaluation of the effect of site substitution of Pr doping in the lithium garnet system $\text{Li}_5\text{La}_3\text{Nb}_2\text{O}_{12}$. Dalton Transactions, 2020, 49, 10349-10359.	3.3	10
18	Investigation of PO_4^{3-} oxyanion-doping on the properties of $\text{CaFe}_{0.4}\text{Ti}_{0.6}\text{O}_3$ for potential application as symmetrical electrodes for SOFCs. Journal of Alloys and Compounds, 2020, 835, 155437.	5.5	9

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19	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.	2.3	8
20	Understanding the effect of water transport on the thermal expansion properties of the perovskites $\text{BaFe}_{0.6}\text{Co}_{0.3}\text{Nb}_{0.1}\text{O}_{3-\delta}$ and $\text{BaCo}_{0.7}\text{Yb}_{0.2}\text{Bi}_{0.1}\text{O}_{3-\delta}$. <i>Journal of Materials Science</i> , 2020, 55, 13590-13604.	3.7	1
21	Synthesis, structure and electrochemical performance of Eldfellite, $\text{NaFe}(\text{SO}_4)_2$, doped with SeO_4 , HPO_4 and PO_3F . <i>Journal of Solid State Chemistry</i> , 2020, 289, 121395.	2.9	6
22	Topochemical Reduction of $\text{La}_{2-x}\text{NiO}_{3-x}\text{F}_2$: The First Ni-Based Ruddlesden-Popper $n = 1$ T^2 -Type Structure and the Impact of Reduction on Magnetic Ordering. <i>Chemistry of Materials</i> , 2020, 32, 3160-3179.	6.7	19
23	Degradation induced lattice anchoring self-passivation in $\text{CsPb}_{3-x}\text{Br}_x$. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9963-9969.	10.3	7
24	Low temperature synthesis of garnet solid state electrolytes: Implications on aluminium incorporation in $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$. <i>Solid State Ionics</i> , 2020, 350, 115317.	2.7	17
25	Comparison of the thermal resistance behaviour of synthesized $\text{Ln}_4\text{Al}_2\text{O}_9$ ($\text{Ln} = \text{Y}, \text{Sm}, \text{Eu}, \text{Gd}, \text{Tb}$) materials vs commercial $\text{Zr}_{0.8}\text{Y}_{0.2}\text{O}_{1.9}$ (8YSZ). <i>Surface and Coatings Technology</i> , 2019, 374, 745-751.	4.8	4
26	Effect of Si-Doping on the Structure and Conductivity of $(\text{Sr}/\text{Ca})_2\text{MnFeO}_{6-\delta}$ Systems. <i>ECS Transactions</i> , 2019, 91, 1425-1436.	0.5	2
27	Introduction of Sulfate to Stabilize the $n = 3$ Ruddlesden-Popper System $\text{Sr}_4\text{Fe}_3\text{O}_{10-\delta}$, as a Potential SOFC Cathode. <i>ECS Transactions</i> , 2019, 91, 1467-1476.	0.5	4
28	$\text{BaCoO}_{2+\delta}$: 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.	4.1	3
29	Recycling lithium-ion batteries from electric vehicles. <i>Nature</i> , 2019, 575, 75-86.	27.8	1,699
30	Synthesis of new $\text{Ln}_4(\text{Al}_2\text{O}_6\text{F}_2)_2$ ($\text{Ln} = \text{Tj}, \text{Er}, \text{Yb}$) Overlock	2.2	3
31	Mechanism of Carbon Dioxide and Water Incorporation in Ba_2TiO_4 : A Joint Computational and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1061-1069.	3.1	4
32	Structure and Lithium-Ion Dynamics in Fluoride-Doped Cubic $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ (LLZO) Garnet for Li Solid-State Battery Applications. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27811-27819.	3.1	36
33	Designing a facile low cost synthesis strategy for the $\text{NaV}(\text{SO}_4)_2$, $\text{Na}_3\text{V}(\text{SO}_4)_3$ and $\text{Na}_2\text{VO}(\text{SO}_4)_2$. <i>Dalton Transactions</i> , 2018, 47, 13535-13542.	3.3	12
34	Synthesis, structure and electrical conductivity of a new perovskite type barium cobaltate $\text{BaCo}_{1.80}(\text{OH})_{0.86}$. <i>Dalton Transactions</i> , 2018, 47, 11136-11145.	3.3	10
35	Topochemical Fluorination of La_2NiO_4 : Unprecedented Ordering of Oxide and Fluoride Ions in $\text{La}_2\text{NiO}_3\text{F}_2$. <i>Inorganic Chemistry</i> , 2018, 57, 6549-6560.	4.0	30
36	Carbonate: an alternative dopant to stabilize new perovskite phases; synthesis and structure of $\text{Ba}_3\text{Yb}_2\text{O}_5\text{CO}_3$ and related isostructural phases $\text{Ba}_3\text{Ln}_2\text{O}_5\text{CO}_3$ ($\text{Ln} = \text{Y}, \text{Dy}, \text{Ho}, \text{Er}, \text{Tm}$ and Lu). <i>Dalton Transactions</i> , 2018, 47, 12901-12906.	3.3	6

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37	Thermochemical CO ₂ splitting using double perovskite-type Ba ₂ Ca _{0.66} Nb _{1.34} xFe _x O ₆ . Journal of Materials Chemistry A, 2017, 5, 6874-6883.	10.3	23
38	Investigation into the Effect of Sulfate and Borate Incorporation on the Structure and Properties of SrFeO ₃ -f. Crystals, 2017, 7, 169.	2.2	8
39	Large Nonclassical Electrostriction in (Y, Nb)-stabilized Bi ₂ O ₃ . Advanced Functional Materials, 2016, 26, 1138-1142.	14.9	50
40	Magnetic interactions in cubic-, hexagonal- and trigonal-barium iron oxide fluoride, BaFeO ₂ F. Journal of Physics Condensed Matter, 2016, 28, 346001.	1.8	6
41	A computational study of doped olivine structured Cd ₂ GeO ₄ : local defect trapping of interstitial oxide ions. Physical Chemistry Chemical Physics, 2016, 18, 26284-26290.	2.8	5
42	Exploring the mixed transport properties of sulfur(^{vi})-doped Ba ₂ In ₂ O ₅ for intermediate-temperature electrochemical applications. Journal of Materials Chemistry A, 2016, 4, 11069-11076.	10.3	9
43	Effect of tri- and tetravalent metal doping on the electrochemical properties of lanthanum tungstate proton conductors. Dalton Transactions, 2016, 45, 3130-3138.	3.3	13
44	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. Dalton Transactions, 2016, 45, 121-133.	3.3	9
45	Interstitial Oxide Ion Distribution and Transport Mechanism in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. Journal of the American Chemical Society, 2016, 138, 4468-4483.	13.7	12
46	Synthesis, structural characterisation and proton conduction of two new hydrated phases of barium ferrite BaFeO _{2.5} x(OH) _{2x} . Journal of Materials Chemistry A, 2016, 4, 3415-3430.	10.3	16
47	Oxyanions in perovskites: from superconductors to solid oxide fuel cells. Dalton Transactions, 2015, 44, 10559-10569.	3.3	39
48	Laser machining of LaNi _{0.6} Mn _{0.4} O ₃ -f (M: Co, Fe) dip-coated on a Fe-22Cr mesh material to obtain a new contact coating for SOFC: Interaction between Crofer22APU interconnect and La _{0.6} Sr _{0.4} FeO ₃ cathode. International Journal of Hydrogen Energy, 2015, 40, 8407-8418.	7.1	12
49	Reply to "Structural and magnetic behavior of the cubic oxyfluoride SrFeO ₂ F studied by neutron diffraction". Journal of Solid State Chemistry, 2015, 226, 326-331.	2.9	10
50	Anisotropic oxide ion conduction in melilite intermediate temperature electrolytes. Journal of Materials Chemistry A, 2015, 3, 3091-3096.	10.3	25
51	Synthesis and characterization of novel Ge doped Sr _{1-y} Ca _y FeO ₃ -f SOFC cathode materials. Materials Research Bulletin, 2015, 67, 63-69.	5.2	6
52	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. Chemistry of Materials, 2015, 27, 1217-1222.	6.7	8
53	Evaluation of using protective/conductive coating on Fe-22Cr mesh as a composite cathode contact material for intermediate solid oxide fuel cells. International Journal of Hydrogen Energy, 2015, 40, 4804-4818.	7.1	19
54	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). Journal of Materials Chemistry A, 2015, 3, 9298-9307.	10.3	253

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55	Metallic/Ceramic (Fe-22Cr mesh/ LaNi _{0.6} Fe _{0.4} O _{3-λ}) Composite as Contact Material for SOFCs. ECS Transactions, 2015, 68, 1701-1706.	0.5	1
56	Perovskite-Related Oxide Fluorides: The Use of Mössbauer Spectroscopy in the Investigation of Magnetic Properties. Croatica Chemica Acta, 2015, 88, 339-346.	0.4	0
57	Investigation into the effect of Si doping on the cell symmetry and performance of Sr _{1-λ} Ca _{λ} FeO _{3-λ} SOFC cathode materials. Journal of Solid State Chemistry, 2014, 213, 132-137.	2.9	22
58	Introducing a Large Polar Tetragonal Distortion into Ba-Doped BiFeO ₃ by Low-Temperature Fluorination. Inorganic Chemistry, 2014, 53, 12572-12583.	4.0	29
59	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. Journal of Materials Chemistry A, 2014, 2, 3047-3056.	10.3	37
60	Structural Study of the Apatite Nd ₈ Sr ₂ Si ₆ O ₂₆ by Laue Neutron Diffraction and Single-Crystal Raman Spectroscopy. Inorganic Chemistry, 2014, 53, 9416-9423.	4.0	7
61	LaNi _{0.6} Co _{0.4} O _{3-λ} dip-coated on Fe-Cr mesh as a composite cathode contact material on intermediate solid oxide fuel cells. Journal of Power Sources, 2014, 269, 509-519.	7.8	19
62	Crystallographic and Magnetic Structure of the Perovskite-Type Compound BaFeO _{2.5} : Unraveled Complexity in Oxygen Vacancy Ordering. Inorganic Chemistry, 2014, 53, 5911-5921.	4.0	44
63	Hydrothermal Synthesis, Structure Investigation, and Oxide Ion Conductivity of Mixed Si/Ge-Based Apatite-Type Phases. Inorganic Chemistry, 2014, 53, 4803-4812.	4.0	14
64	Investigation into the Incorporation of Phosphate into BaCe _{1-y} AyO _{3-y/2} (A = Y, Yb, In). Inorganics, 2014, 2, 16-28.	2.7	6
65	Investigation into the effect of Si doping on the performance of Sr _{1-λ} Ca _{λ} MnO _{3-λ} SOFC cathode materials. Dalton Transactions, 2013, 42, 5421.	3.3	23
66	Topochemical modifications of mixed metal oxide compounds by low-temperature fluorination routes. Reviews in Inorganic Chemistry, 2013, 33, 105-117.	4.1	61
67	A neutron diffraction study and mode analysis of compounds of the system La _{1-x} Sr _x FeO _{3-x/2} (x=1). J. Phys. Chem. B, 2006, 110, 158-169.	2.9	36
68	Synthesis, structural and magnetic characterisation of the fluorinated compound 15R-BaFeO ₂ F. Journal of Solid State Chemistry, 2013, 203, 218-226.	2.9	23
69	Facile proton conduction in H ⁺ /Li ⁺ ion-exchanged garnet-type fast Li-ion conducting Li ₅ La ₃ Nb ₂ O ₁₂ . Journal of Materials Chemistry A, 2013, 1, 13469.	10.3	57
70	Synthesis, conductivity and structural aspects of Nd ₃ Zr ₂ Li _{7-3x} Al _x O ₁₂ . Journal of Materials Chemistry A, 2013, 1, 14013.	10.3	25
71	Investigation into the effect of Si doping on the performance of SrFeO _{3-λ} SOFC electrode materials. Journal of Materials Chemistry A, 2013, 1, 11834.	10.3	53
72	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). Dalton Transactions, 2013, 42, 7894.	3.3	4

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73	Crystallographic Correlations with Anisotropic Oxide Ion Conduction in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Chemistry of Materials</i> , 2013, 25, 1109-1120.	6.7	18
74	Battery and solid oxide fuel cell materials. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2013, 109, 396.	0.8	8
75	Synthesis, structural and magnetic characterisation of the fully fluorinated compound $6\text{H}\ddot{\text{a}}\text{BaFeO}_2\text{F}$. <i>Journal of Solid State Chemistry</i> , 2013, 198, 262-269.	2.9	29
76	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
77	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.	3.3	96
78	Synthesis and Characterization of Oxyanion-Doped Cobalt Containing Perovskites. <i>Fuel Cells</i> , 2012, 12, 1056-1063.	2.4	28
79	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.	1.2	5
80	Synthesis and characterisation of vanadium doped alkaline earth lanthanum germanate oxyapatite electrolyte. <i>Journal of Materials Chemistry</i> , 2012, 22, 2658-2669.	6.7	6
81	Insight into the local structure of barium indate oxide-ion conductors: An X-ray total scattering study. <i>Dalton Transactions</i> , 2012, 41, 50-53.	3.3	19
82	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.	2.6	4
83	Synthesis and characterisation of oxyanion-doped manganites for potential application as SOFC cathodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 8287.	6.7	44
84	Synthesis and characterization of proton conducting oxyanion doped $\text{Ba}_2\text{Sc}_2\text{O}_5$. <i>Dalton Transactions</i> , 2012, 41, 261-266.	3.3	22
85	Battery and solid oxide fuel cell materials. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2012, 108, 424.	0.8	12
86	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.	7.8	35
87	Low temperature fluorination of $\text{Sr}_3\text{Fe}_2\text{O}_7\ddot{\text{a}}^x$ with polyvinylidene fluoride: An X-ray powder diffraction and Mössbauer spectroscopy study. <i>Journal of Solid State Chemistry</i> , 2012, 186, 195-203.	2.9	23
88	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.	3.3	45
89	Local structure investigation of oxide ion and proton defects in Ge-apatites by pair distribution function analysis. <i>Chemical Communications</i> , 2011, 47, 250-252.	4.1	10
90	Apatite germanates doped with tungsten: synthesis, structure, and conductivity. <i>Dalton Transactions</i> , 2011, 40, 3903-3908.	3.3	29

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91	Hydrogen storage and ionic mobility in amide-halide systems. <i>Faraday Discussions</i> , 2011, 151, 271.	3.2	41
92	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.	6.7	63
93	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2011, 107, 434.	0.8	2
94	Strategies for the Optimisation of the Oxide Ion Conductivities of Apatite-type Germanates. <i>Fuel Cells</i> , 2011, 11, 10-16.	2.4	32
95	Novel Aspects of the Conduction Mechanisms of Electrolytes Containing Tetrahedral Moieties. <i>Fuel Cells</i> , 2011, 11, 38-43.	2.4	15
96	Oxygen Defects and Novel Transport Mechanisms in Apatite Ionic Conductors: Combined ^{17}O -NMR and Modeling Studies. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9328-9333.	13.8	57
97	Structure and magnetic properties of the cubic oxide fluoride BaFeO_2F . <i>Journal of Solid State Chemistry</i> , 2011, 184, 1361-1366.	2.9	44
98	Protonic defects and water incorporation in Si and Ge-based apatite ionic conductors. <i>Journal of Materials Chemistry</i> , 2010, 20, 2766.	6.7	36
99	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.	2.7	15
100	Synthesis and characterisation of the $\text{Sr}_x\text{Ba}_{1-x}\text{FeO}_3$ -system and the fluorinated phases $\text{Sr}_x\text{Ba}_{1-x}\text{FeO}_2\text{F}$. <i>Solid State Sciences</i> , 2010, 12, 1455-1463.	3.2	46
101	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.	6.7	30
102	Silicon Doping in $\text{Ba}_2\text{In}_2\text{O}_5$: Example of a Beneficial Effect of Silicon Incorporation on Oxide Ion/Proton Conductivity. <i>Chemistry of Materials</i> , 2010, 22, 5945-5948.	6.7	42
103	Conducting solids. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2010, 106, 429.	0.8	7
104	New Chemical Systems for Solid Oxide Fuel Cells. <i>Chemistry of Materials</i> , 2010, 22, 675-690.	6.7	329
105	Enhancement of the conductivity of $\text{Ba}_2\text{In}_2\text{O}_5$ through phosphate doping. <i>Chemical Communications</i> , 2010, 46, 4613.	4.1	44
106	Origami: a versatile modeling system for visualising chemical structure and exploring molecular function. <i>Chemistry Education Research and Practice</i> , 2010, 11, 43-47.	2.5	9
107	Combined experimental and modelling studies of proton conducting $\text{La}_{1-x}\text{Ba}_x\text{GaO}_4$: proton location and dopant site selectivity. <i>Journal of Materials Chemistry</i> , 2010, 20, 10412.	6.7	12
108	Solid-State Materials for Clean Energy: Insights from Atomic-Scale Modeling. <i>MRS Bulletin</i> , 2009, 34, 935-941.	3.5	27

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109	Ionic Conductivity, Structure and Oxide Ion Migration Pathway in Fluorite-Based $\text{Bi}_{0.8}\text{La}_{10}\text{O}_{27}$. Chemistry of Materials, 2009, 21, 4661-4668.	6.7	17
110	Conducting solids. Annual Reports on the Progress of Chemistry Section A, 2009, 105, 436.	0.8	1
111	Pseudomorphic $2\text{A}^{2+}2\text{M}^{2+}2\text{H}$ phase transitions in lanthanum strontium germanate electrolyte apatites. Dalton Transactions, 2009, , 8280.	3.3	14
112	Fluorination of perovskite-related phases of composition $\text{SrFe}_{1-x}\text{Sn}_x\text{O}_{3-\delta}$. Journal of Physics Condensed Matter, 2009, 21, 256001.	1.8	13
113	Preparation of high-oxygen-content apatite silicates through Ti-doping: effect of Ti-doping on the oxide ion conductivity. Journal of Materials Chemistry, 2009, 19, 5003.	6.7	16
114	An investigation of the high temperature reaction between the apatiteoxide ion conductor $\text{La}_{9.33}\text{Si}_6\text{O}_{26}$ and NH_3 . Journal of Materials Chemistry, 2009, 19, 749-754.	6.7	20
115	Neutron diffraction structural study of the apatite-type oxide ion conductor, $\text{La}_8\text{Y}_2\text{Ge}_6\text{O}_{27}$: location of the interstitial oxide ion site. Journal of Materials Chemistry, 2009, 19, 7955.	6.7	28
116	Cation ordering in Li containing garnets: synthesis and structural characterisation of the tetragonal system, $\text{Li}_7\text{La}_3\text{Sn}_2\text{O}_{12}$. Dalton Transactions, 2009, , 5177.	3.3	81
117	Fluorination of perovskite-related phases of composition $\text{La}_{1-x}\text{Sr}_x\text{Fe}_{1-y}\text{Co}_y\text{O}_{3-\delta}$. Journal of Physics and Chemistry of Solids, 2008, 69, 2032-2036.	4.0	16
118	Synthesis and structural investigation of a new oxide fluoride of composition $\text{Ba}_2\text{SnO}_{2.5}\text{F}_3 \cdot x\text{H}_2\text{O}$ ($x \approx 0.5$). Journal of Solid State Chemistry, 2008, 181, 2185-2190.	2.9	16
119	Interaction of $(\text{La}_{1-x}\text{Sr}_x)_2\text{MnO}_3 \left[\text{Zr}_{1-z}\text{Y}_z\text{O}_2 \right]_d$ cathodes and $\text{LaNi}_{0.6}\text{Fe}_{0.4}\text{O}_3$ current collecting layers for solid oxide fuel cell application. Solid State Ionics, 2008, 179, 732-739.	2.7	30
120	Conducting solids. Annual Reports on the Progress of Chemistry Section A, 2008, 104, 414.	0.8	0
121	Atomic-scale mechanistic features of oxide ion conduction in apatite-type germanates. Chemical Communications, 2008, , 715-717.	4.1	75
122	Local Defect Structures and Ion Transport Mechanisms in the Oxygen-Excess Apatite $\text{La}_{9.67}(\text{SiO}_4)_6\text{O}_{2.5}$. Chemistry of Materials, 2008, 20, 5055-5060.	6.7	115
123	Effect of oxygen content on the ^{29}Si NMR, Raman spectra and oxide ion conductivity of the apatite series, $\text{La}_{8+x}\text{Sr}_{2-x}(\text{SiO}_4)_6\text{O}_{2+x/2}$. Dalton Transactions, 2008, , 5296.	3.3	64
124	Magnetic order in perovskite-related SrFeO_2F . Journal of Physics Condensed Matter, 2008, 20, 215207.	1.8	37
125	Conducting solids. Annual Reports on the Progress of Chemistry Section A, 2007, 103, 428.	0.8	2
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