

# Peter R Slater

## List of Publications by Year in descending order

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174  
papers

8,253  
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71102

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179  
all docs

179  
docs citations

179  
times ranked

7258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recycling lithium-ion batteries from electric vehicles. <i>Nature</i> , 2019, 575, 75-86.	27.8	1,699
2	Atomic-Scale Investigation of Defects, Dopants, and Lithium Transport in the LiFePO <sub>4</sub> Olivine-Type Battery Material. <i>Chemistry of Materials</i> , 2005, 17, 5085-5092.	6.7	966
3	New Chemical Systems for Solid Oxide Fuel Cells. <i>Chemistry of Materials</i> , 2010, 22, 675-690.	6.7	329
4	A combined single crystal neutron/X-ray diffraction and solid-state nuclear magnetic resonance study of the hybrid perovskites CH <sub>3</sub> NH <sub>3</sub> PbX <sub>3</sub> (X = I, Br and Cl). <i>Journal of Materials Chemistry A</i> , 2015, 3, 9298-9307.	10.3	253
5	Defect chemistry and oxygen ion migration in the apatite-type materials La <sub>9.33</sub> Si <sub>6</sub> O <sub>26</sub> and La <sub>8</sub> Sr <sub>2</sub> Si <sub>6</sub> O <sub>26</sub> . <i>Journal of Materials Chemistry</i> , 2003, 13, 1956.	6.7	250
6	Developing apatites for solid oxide fuel cells: insight into structural, transport and doping properties. <i>Journal of Materials Chemistry</i> , 2007, 17, 3104.	6.7	239
7	Cooperative mechanisms of fast-ion conduction in gallium-based oxides with tetrahedral moieties. <i>Nature Materials</i> , 2007, 6, 871-875.	27.5	185
8	Synthesis and electrical characterisation of doped perovskite titanates as potential anode materials for solid oxide fuel cells. <i>Journal of Materials Chemistry</i> , 1997, 7, 2495-2498.	6.7	157
9	Development of apatite-type oxide ion conductors. <i>Chemical Record</i> , 2004, 4, 373-384.	5.8	143
10	An apatite for fast oxide ion conduction Electronic supplementary information (ESI) available: interatomic potentials. See <a href="http://www.rsc.org/suppdata/cc/b3/b301179h/">http://www.rsc.org/suppdata/cc/b3/b301179h/</a> . <i>Chemical Communications</i> , 2003, , 1486.	4.1	127
11	Solid state <sup>29</sup> Si NMR studies of apatite-type oxide ion conductors. <i>Journal of Materials Chemistry</i> , 2006, 16, 1410.	6.7	118
12	Local Defect Structures and Ion Transport Mechanisms in the Oxygen-Excess Apatite La <sub>9.67</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2.5</sub> . <i>Chemistry of Materials</i> , 2008, 20, 5055-5060.	6.7	115
13	Doping and defect association in AZrO <sub>3</sub> (A = Ca, Ba) and LaMO <sub>3</sub> (M = Sc, Ga) perovskite-type ionic conductors. <i>Dalton Transactions</i> , 2004, , 3061.	3.3	106
14	Doping strategies to optimise the oxide ion conductivity in apatite-type ionic conductors. <i>Dalton Transactions</i> , 2004, , 3106.	3.3	96
15	Effect of Ga incorporation on the structure and Li ion conductivity of La <sub>3</sub> Zr <sub>2</sub> Li <sub>7</sub> O <sub>12</sub> . <i>Dalton Transactions</i> , 2012, 41, 12048.	3.3	96
16	Cation ordering in Li containing garnets: synthesis and structural characterisation of the tetragonal system, Li <sub>7</sub> La <sub>3</sub> Sn <sub>2</sub> O <sub>12</sub> . <i>Dalton Transactions</i> , 2009, , 5177.	3.3	81
17	Synthesis and conductivities of the apatite-type systems, La <sub>9.33+x</sub> Si <sub>6</sub> ~yMyO <sub>26+z</sub> (M=Co, Fe, Mn) and La <sub>8</sub> Mn <sub>2</sub> Si <sub>6</sub> O <sub>26</sub> . <i>Ionics</i> , 2002, 8, 149-154.	2.4	78
18	Fluorination of perovskite-related SrFeO <sub>3</sub> ~f. <i>Solid State Communications</i> , 2005, 134, 621-624.	1.9	76

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19	Atomic-scale mechanistic features of oxide ion conduction in apatite-type germanates. Chemical Communications, 2008, , 715-717.	4.1	75
20	A comparison of the effect of rare earth vs Si site doping on the conductivities of apatite-type rare earth silicates. Journal of Solid State Electrochemistry, 2006, 10, 562-568.	2.5	72
21	Effect of oxygen content on the $^{29}\text{Si}$ 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
22	Oxyanion doping strategies to enhance the ionic conductivity in $\text{Ba}_{2-x}\text{In}_x\text{O}_5$ . Journal of Materials Chemistry, 2011, 21, 874-879.	6.7	63
23	Topochemical modifications of mixed metal oxide compounds by low-temperature fluorination routes. Reviews in Inorganic Chemistry, 2013, 33, 105-117.	4.1	61
24	Neutron diffraction and atomistic simulation studies of Mg doped apatite-type oxide ion conductors. Faraday Discussions, 2007, 134, 181-194.	3.2	59
25	Oxygen Defects and Novel Transport Mechanisms in Apatite Ionic Conductors: Combined $^{17}\text{O}$ NMR and Modeling Studies. Angewandte Chemie - International Edition, 2011, 50, 9328-9333.	13.8	57
26	Facile proton conduction in H <sup>+</sup> /Li <sup>+</sup> ion-exchanged garnet-type fast Li-ion conducting $\text{Li}_5\text{La}_3\text{Nb}_2\text{O}_{12}$ . Journal of Materials Chemistry A, 2013, 1, 13469.	10.3	57
27	Synthesis and structure of the new oxide fluoride $\text{Sr}_2\text{TiO}_3\text{F}_2$ from the low temperature fluorination of $\text{Sr}_2\text{TiO}_4$ : an example of a staged fluorine substitution/insertion reaction. Journal of Materials Chemistry, 2002, 12, 291-294.	6.7	53
28	Investigation into the effect of Si doping on the performance of $\text{SrFeO}_3$ SOFC electrode materials. Journal of Materials Chemistry A, 2013, 1, 11834.	10.3	53
29	Synthesis and structural determination of the new oxide fluoride $\text{BaFeO}_2\text{F}$ . Solid State Communications, 2007, 141, 467-470.	1.9	52
30	Large Nonclassical Electrostriction in (Y, Nb) stabilized $\text{Bi}_2\text{O}_3$ . Advanced Functional Materials, 2016, 26, 1138-1142.	14.9	50
31	An investigation of the synthesis and conductivities of La-Ge-O based systems. Ionics, 2002, 8, 155-160.	2.4	49
32	High-Voltage Stabilization of O <sub>3</sub> -Type Layered Oxide for Sodium-Ion Batteries by Simultaneous Tin Dual Modification. Chemistry of Materials, 2022, 34, 4153-4165.	6.7	47
33	Synthesis and characterisation of the $\text{Sr}_x\text{Ba}_{1-x}\text{FeO}_3$ -system and the fluorinated phases $\text{Sr}_x\text{Ba}_{1-x}\text{FeO}_2\text{F}$ . Solid State Sciences, 2010, 12, 1455-1463.	3.2	46
34	Synthesis of silicon doped $\text{SrMO}_3$ (M = Mn, Co): stabilization of the cubic perovskite and enhancement in conductivity. Dalton Transactions, 2011, 40, 5599.	3.3	45
35	Enhancement of the conductivity of $\text{Ba}_2\text{In}_2\text{O}_5$ through phosphate doping. Chemical Communications, 2010, 46, 4613.	4.1	44
36	Structure and magnetic properties of the cubic oxide fluoride $\text{BaFeO}_2\text{F}$ . Journal of Solid State Chemistry, 2011, 184, 1361-1366.	2.9	44

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37	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
38	Crystallographic and Magnetic Structure of the Perovskite-Type Compound $\text{BaFeO}_{2.5}$ : Unraveled Complexity in Oxygen Vacancy Ordering. <i>Inorganic Chemistry</i> , 2014, 53, 5911-5921.	4.0	44
39	A neutron diffraction study of the system $\text{Y}_{1-y}\text{Ca}_y\text{Ba}_{2-y}\text{La}_y\text{Cu}_3\text{O}_{7-x}$ . <i>Superconductor Science and Technology</i> , 1992, 5, 205-209.	3.5	42
40	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
41	Hydrogen storage and ionic mobility in amide-halide systems. <i>Faraday Discussions</i> , 2011, 151, 271.	3.2	41
42	The structural effects of Na and Ca substitutions on the Y site in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Superconductor Science and Technology</i> , 1989, 2, 5-8.	3.5	40
43	$\text{La}_{1-x}\text{Ba}_x\text{GaO}_4$ : a novel high temperature proton conductor. <i>Chemical Communications</i> , 2003, , 2694-2695.	4.1	40
44	Combined Experimental and Computational Study of Ce-Doped $\text{La}_3\text{Zr}_2\text{Li}_7\text{O}_{12}$ Garnet Solid-State Electrolyte. <i>Chemistry of Materials</i> , 2020, 32, 215-223.	6.7	40
45	Analysis of oxyanion ( $\text{BO}_3$ , $\text{CO}_3$ , $\text{SO}_4$ , $\text{PO}_4$ , $\text{SeO}_4$ ) substitution in Y123 compounds studied by X-ray photoelectron spectroscopy. <i>Journal of Superconductivity and Novel Magnetism</i> , 1996, 9, 97-100.	0.5	39
46	Oxyanions in perovskites: from superconductors to solid oxide fuel cells. <i>Dalton Transactions</i> , 2015, 44, 10559-10569.	3.3	39
47	Synthesis and structure of $\text{Ba}_4\text{CaCu}_2.24\text{O}_{6.96}(\text{CO}_3)_{0.5}$ , a perovskite containing carbonate anions, and related phases. <i>Journal of Materials Chemistry</i> , 1991, 1, 17.	6.7	37
48	Magnetic order in perovskite-related $\text{SrFeO}_2$ . <i>Journal of Physics Condensed Matter</i> , 2008, 20, 215207.	1.8	37
49	Development of $\text{CaMn}_{1-x}\text{Ru}_x\text{O}_{3-y}$ ( $x = 0$ 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.	10.3	37
50	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
51	A neutron diffraction study and mode analysis of compounds of the system $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ ( $x=1$ ). <i>Tj ETQq1 1 0.784314 rgBT /Cve</i> , 206, 158-169.	2.9	36
52	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
53	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
54	Structural studies of apatite-type oxide ion conductors doped with cobalt. <i>Dalton Transactions</i> , 2005, , 1273.	3.3	34

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55	Synthesis and electrical characterisation of the perovskite niobate-titanates, $\text{Sr}_{1-x/2}\text{Ti}_{1-x}\text{Nb}_x\text{O}_3$ . <i>Ionics</i> , 1996, 2, 213-216.	2.4	33
56	Synthesis and structure of the calcium copper oxyfluoride, $\text{Ca}_2\text{CuO}_2\text{F}_2$ ?. <i>Journal of Materials Chemistry</i> , 1995, 5, 913.	6.7	32
57	Strategies for the Optimisation of the Oxide Ion Conductivities of Apatite-Type Germanates. <i>Fuel Cells</i> , 2011, 11, 10-16.	2.4	32
58	Interaction of $(\text{La}_{1-x}\text{Sr}_x)_2\text{MnO}_3$ and $\text{Zr}_{1-z}\text{Y}_z\text{O}_2$ cathodes and $\text{LaNi}_{0.6}\text{Fe}_{0.4}\text{O}_3$ current collecting layers for solid oxide fuel cell application. <i>Solid State Ionics</i> , 2008, 179, 732-739.	2.7	30
59	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
60	Topochemical Fluorination of $\text{La}_2\text{NiO}_4$ : 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
61	Synthesis and structure of the new oxide fluoride $\text{Ba}_2\text{ZrO}_3\text{F}_2 \cdot x\text{H}_2\text{O}$ ( $x \approx 0.5$ ). <i>Journal of Materials Chemistry</i> , 2001, 11, 2035-2038.	6.7	29
62	Apatite germanates doped with tungsten: synthesis, structure, and conductivity. <i>Dalton Transactions</i> , 2011, 40, 3903-3908.	3.3	29
63	Synthesis, structural and magnetic characterisation of the fully fluorinated compound $6\text{HfBaFeO}_2\text{F}$ . <i>Journal of Solid State Chemistry</i> , 2013, 198, 262-269.	2.9	29
64	Introducing a Large Polar Tetragonal Distortion into Ba-Doped $\text{BiFeO}_3$ by Low-Temperature Fluorination. <i>Inorganic Chemistry</i> , 2014, 53, 12572-12583.	4.0	29
65	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. <i>Journal of Materials Chemistry</i> , 2009, 19, 7955.	6.7	28
66	Synthesis and Characterization of Oxyanion-Doped Cobalt Containing Perovskites. <i>Fuel Cells</i> , 2012, 12, 1056-1063.	2.4	28
67	Solid-State Materials for Clean Energy: Insights from Atomic-Scale Modeling. <i>MRS Bulletin</i> , 2009, 34, 935-941.	3.5	27
68	Effect of Ba and Bi doping on the synthesis and sintering of Ge-based apatite phases. <i>Journal of Solid State Electrochemistry</i> , 2004, 8, 668.	2.5	25
69	Synthesis, conductivity and structural aspects of $\text{Nd}_3\text{Zr}_2\text{Li}_7\text{Al}_3\text{O}_{12}$ . <i>Journal of Materials Chemistry A</i> , 2013, 1, 14013.	10.3	25
70	Anisotropic oxide ion conduction in melilite intermediate temperature electrolytes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3091-3096.	10.3	25
71	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.	2.9	23
72	Investigation into the effect of Si doping on the performance of $\text{Sr}_{1-y}\text{Ca}_y\text{MnO}_3$ SOFC cathode materials. <i>Dalton Transactions</i> , 2013, 42, 5421.	3.3	23

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73	Synthesis, structural and magnetic characterisation of the fluorinated compound $15R\text{-BaFeO}_2\text{F}$ . <i>Journal of Solid State Chemistry</i> , 2013, 203, 218-226.	2.9	23
74	Thermochemical $\text{CO}_2$ splitting using double perovskite-type $\text{Ba}_{2-x}\text{Ca}_{0.66x}\text{Nb}_{1.34-x}\text{Fe}_x\text{O}_{6-y}$ . <i>Journal of Materials Chemistry A</i> , 2017, 5, 6874-6883.	10.3	23
75	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
76	Investigation into the effect of Si doping on the cell symmetry and performance of $\text{Sr}_{1-y}\text{Ca}_y\text{FeO}_3$ SOFC cathode materials. <i>Journal of Solid State Chemistry</i> , 2014, 213, 132-137.	2.9	22
77	Fluorination of the Ruddlesden-Popper type cuprates, $\text{Ln}_2\text{A}_{1+x}\text{Cu}_2\text{O}_{6-y}$ (Ln=La, Nd; A=Ca, Sr). <i>Journal of Materials Chemistry</i> , 1997, 7, 2077-2083.	6.7	20
78	An investigation of the high temperature reaction between the apatiteoxide ion conductor $\text{La}_{9.33}\text{Si}_6\text{O}_{26}$ and $\text{NH}_3$ . <i>Journal of Materials Chemistry</i> , 2009, 19, 749-754.	6.7	20
79	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
80	$\text{LaNi}_{0.6}\text{Co}_{0.4}\text{O}_3$ dip-coated on Fe-Cr mesh as a composite cathode contact material on intermediate solid oxide fuel cells. <i>Journal of Power Sources</i> , 2014, 269, 509-519.	7.8	19
81	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.	7.1	19
82	Topochemical Reduction of $\text{La}_2\text{NiO}_3\text{F}_2$ : The First Ni-Based Ruddlesden-Popper $n = 1$ $\text{T}^2$ -Type Structure and the Impact of Reduction on Magnetic Ordering. <i>Chemistry of Materials</i> , 2020, 32, 3160-3179.	6.7	19
83	Electrochemical Reduction and Oxidation of Ruddlesden-Popper-Type $\text{La}_2\text{NiO}_3\text{F}_2$ within Fluoride-Ion Batteries. <i>Chemistry of Materials</i> , 2021, 33, 499-512.	6.7	19
84	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
85	Ionic Conductivity, Structure and Oxide Ion Migration Pathway in Fluorite-Based $\text{Bi}_8\text{La}_{10}\text{O}_{27}$ . <i>Chemistry of Materials</i> , 2009, 21, 4661-4668.	6.7	17
86	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
87	Synthesis and characterisation of the perovskite-related cuprate phases $\text{YSr}_2\text{Cu}_2\text{MO}_{7+y}$ (M = Co, Fe) for potential use as solid oxide fuel cell cathode materials. <i>Journal of Materials Chemistry</i> , 2005, 15, 2321.	6.7	16
88	Fluorination of perovskite-related phases of composition $\text{La}_{1-x}\text{Sr}_x\text{Fe}_{1-y}\text{Co}_y\text{O}_3$ . <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2032-2036.	4.0	16
89	Synthesis and structural investigation of a new oxide fluoride of composition $\text{Ba}_2\text{SnO}_{2.5}\text{F}_3 \cdot x\text{H}_2\text{O}$ ( $x \approx 0.5$ ). <i>Journal of Solid State Chemistry</i> , 2008, 181, 2185-2190.	2.9	16
90	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.	6.7	16

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91	Synthesis, structural characterisation and proton conduction of two new hydrated phases of barium ferrite $\text{BaFeO}_{2.5-x}(\text{OH})_{2x}$ . <i>Journal of Materials Chemistry A</i> , 2016, 4, 3415-3430.	10.3	16
92	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
93	Novel Aspects of the Conduction Mechanisms of Electrolytes Containing Tetrahedral Moieties. <i>Fuel Cells</i> , 2011, 11, 38-43.	2.4	15
94	$\text{La}_2\text{MgGeO}_6$ : a novel Ge based perovskite synthesised under ambient pressure. <i>Chemical Communications</i> , 2002, , 1776-1777.	4.1	14
95	Pseudomorphic $2A \leftrightarrow 2M \leftrightarrow 2H$ phase transitions in lanthanum strontium germanate electrolyte apatites. <i>Dalton Transactions</i> , 2009, , 8280.	3.3	14
96	Hydrothermal Synthesis, Structure Investigation, and Oxide Ion Conductivity of Mixed Si/Ge-Based Apatite-Type Phases. <i>Inorganic Chemistry</i> , 2014, 53, 4803-4812.	4.0	14
97	Fluorination of perovskite-related phases of composition $\text{SrFe}_{1-x}\text{Sn}_x\text{O}_3$ . <i>Journal of Physics Condensed Matter</i> , 2009, 21, 256001.	1.8	13
98	Effect of tri- and tetravalent metal doping on the electrochemical properties of lanthanum tungstate proton conductors. <i>Dalton Transactions</i> , 2016, 45, 3130-3138.	3.3	13
99	Powder neutron diffraction study of the nasicon-related phases $\text{Na}_x\text{MII}_x\text{MIII}_2 \text{--} x(\text{SO}_4)_3 \text{--} y(\text{SeO}_4)_y$ ; MII= Mg, MIII= Fe, In. <i>Journal of Materials Chemistry</i> , 1994, 4, 1469-1473.	6.7	12
100	Neutron diffraction structural study of the nasicon-related phases $\text{Li}_x\text{MII}_x\text{MIII}_2 \text{--} x(\text{SO}_4)_3 \text{--} y(\text{SeO}_4)_y$ (MII= Mg, Ni, Zn; MIII= Al, Cr). <i>Journal of Materials Chemistry</i> , 1994, 4, 1463-1467.	6.7	12
101	Combined experimental and modelling studies of proton conducting $\text{La}_{1-x}\text{Ba}_{1+x}\text{GaO}_4$ : proton location and dopant site selectivity. <i>Journal of Materials Chemistry</i> , 2010, 20, 10412.	6.7	12
102	Battery and solid oxide fuel cell materials. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2012, 108, 424.	0.8	12
103	Laser machining of $\text{LaNi}_{0.6}\text{M}_{0.4}\text{O}_3$ (M: Co, Fe) dip-coated on a Fe-22Cr mesh material to obtain a new contact coating for SOFC: Interaction between Crofer22APU interconnect and $\text{La}_{0.6}\text{Sr}_{0.4}\text{FeO}_3$ cathode. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 8407-8418.	7.1	12
104	Interstitial Oxide Ion Distribution and Transport Mechanism in Aluminum-Doped Neodymium Silicate Apatite Electrolytes. <i>Journal of the American Chemical Society</i> , 2016, 138, 4468-4483.	13.7	12
105	Designing a facile low cost synthesis strategy for the $\text{NaV}(\text{SO}_4)_4$ , $\text{Na}_3\text{V}(\text{SO}_4)_3$ and $\text{Na}_2\text{VO}(\text{SO}_4)_2$ . <i>Dalton Transactions</i> , 2018, 47, 13535-13542.	3.3	12
106	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. <i>Inorganic Chemistry</i> , 2020, 59, 1153-1163.	4.0	12
107	Raman spectroscopy insights into the $\hat{\Gamma}_2^-$ and $\hat{\Gamma}_1^-$ phases of formamidinium lead iodide ( $\text{FAPbI}_3$ ). <i>Dalton Transactions</i> , 2021, 50, 3315-3323.	3.3	12
108	Cation Distribution and Magnetic Interactions in Substituted Iron-Containing Garnets: Characterization by Iron-57 Mössbauer Spectroscopy. <i>Journal of Solid State Chemistry</i> , 1996, 122, 118-129.	2.9	10

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109	X-ray emission and photoelectron spectra, and the location of fluorine atoms in strontium and calcium copper oxyfluorides. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 4847-4854.	1.8	10
110	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
111	Reply to "Structural and magnetic behavior of the cubic oxyfluoride SrFeO <sub>2</sub> F studied by neutron diffraction". <i>Journal of Solid State Chemistry</i> , 2015, 226, 326-331.	2.9	10
112	Synthesis, structure and electrical conductivity of a new perovskite type barium cobaltate BaCoO <sub>1.80</sub> (OH) <sub>0.86</sub> . <i>Dalton Transactions</i> , 2018, 47, 11136-11145.	3.3	10
113	X-ray pair distribution function analysis and electrical and electrochemical properties of cerium doped Li <sub>5</sub> La <sub>3</sub> Nb <sub>2</sub> O <sub>12</sub> garnet solid-state electrolyte. <i>Dalton Transactions</i> , 2020, 49, 11727-11735.	3.3	10
114	Evaluation of the effect of site substitution of Pr doping in the lithium garnet system Li <sub>5</sub> La <sub>3</sub> Nb <sub>2</sub> O <sub>12</sub> . <i>Dalton Transactions</i> , 2020, 49, 10349-10359.	3.3	10
115	High entropy lithium garnets "Testing the compositional flexibility of the lithium garnet system. <i>Journal of Solid State Chemistry</i> , 2022, 308, 122944.	2.9	10
116	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
117	Exploring the mixed transport properties of sulfur( <sup>vi</sup> )-doped Ba <sub>2</sub> In <sub>2</sub> O <sub>5</sub> for intermediate-temperature electrochemical applications. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11069-11076.	10.3	9
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