

Martin C Stennett

List of Publications by Year in descending order

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138
papers

2,832
citations

218677

26
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206112

48
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146
all docs

146
docs citations

146
times ranked

2402
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical structure and dissolution behaviour of CaO and ZnO containing alkali-borosilicate glass. <i>Materials Advances</i> , 2022, 3, 1747-1758.	5.4	3
2	Spectroscopic evaluation of U ^{VI} cement mineral interactions: ettringite and hydrotalcite. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 89-102.	2.4	5
3	HERMES – a GUI-based software tool for pre-processing of X-ray absorption spectroscopy data from laboratory Rowland circle spectrometers. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 276-279.	2.4	0
4	Chemical characterisation of degraded nuclear fuel analogues simulating the Fukushima Daiichi nuclear accident. <i>Npj Materials Degradation</i> , 2022, 6, .	5.8	3
5	Synthesis and characterisation of Ce-doped zirconolite Ca _{0.80} Ce _{0.20} ZrTi _{1.60} Mo _{0.40} O ₇ (M _{0.40} =Fe, Al) formed by reactive spark plasma sintering (RSPS). <i>MRS Advances</i> , 2022, 7, 75-80.	0.9	8
6	Phase Evolution in the CaZr ₂ O ₇ -Dy ₂ Ti ₂ O ₇ System: A Potential Host Phase for Minor Actinide Immobilization. <i>Inorganic Chemistry</i> , 2022, 61, 5744-5756.	4.0	12
7	Characterisation and disposability assessment of multi-waste stream in-container vitrified products for higher activity radioactive waste. <i>Journal of Hazardous Materials</i> , 2021, 401, 123764.	12.4	19
8	Synthesis, structure, and characterization of the thorium zirconolite CaZr _{1-x} Th _x Ti ₂ O ₇ system. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2937-2951.	3.8	12
9	Safely probing the chemistry of Chernobyl nuclear fuel using micro-focus X-ray analysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12612-12622.	10.3	8
10	Nuclear forensic signatures and structural analysis of uranyl oxalate, its products of thermal decomposition and Fe impurity dopant. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 327, 957-973.	1.5	2
11	Review of zirconolite crystal chemistry and aqueous durability. <i>Advances in Applied Ceramics</i> , 2021, 120, 69-83.	1.1	25
12	The thermal decomposition of studtite: analysis of the amorphous phase. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 327, 1335-1347.	1.5	13
13	Temperature transformation of blended magnesium potassium phosphate cement binders. <i>Cement and Concrete Research</i> , 2021, 141, 106332.	11.0	25
14	A preliminary investigation of the molten salt mediated synthesis of Gd ₂ TiO ₅ stuffed pyrochlore. <i>MRS Advances</i> , 2021, 6, 149-153.	0.9	2
15	Synthesis and characterisation of HIP Ca _{0.80} Ce _{0.20} ZrTi _{1.60} Cr _{0.40} O ₇ zirconolite and observations of the ceramic-canister interface. <i>MRS Advances</i> , 2021, 6, 112-118.	0.9	3
16	Influence of accessory phases and surrogate type on accelerated leaching of zirconolite wasteforms. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	8
17	Use of WetSEM [®] capsules for convenient multimodal scanning electron microscopy, energy dispersive X-ray analysis, and micro Raman spectroscopy characterisation of technetium oxides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 328, 1313-1318.	1.5	0
18	Thermal treatment of nuclear fuel-containing Magnox sludge radioactive waste. <i>Journal of Nuclear Materials</i> , 2021, 552, 152965.	2.7	5

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19	Symmetry and the Role of the Anion Sublattice in Aurivillius Oxyfluoride Bi ₂ TiO ₄ F ₂ . Inorganic Chemistry, 2021, 60, 14105-14115.	4.0	8
20	Synthesis of Ca _{1-x} Ce _x ZrTi _{2-2x} Al _{2x} O ₇ zirconolite ceramics for plutonium disposition. Journal of Nuclear Materials, 2021, 556, 153198.	2.7	8
21	Low-Temperature Nitridation of Fe ₃ O ₄ by Reaction with NaNH ₂ . Inorganic Chemistry, 2021, 60, 2553-2562.	4.0	3
22	Synthesis, Characterization, and Crystal Structure of Dominant Uranium(V) Brannerites in the UTi ₂ Al _x O ₆ System. Inorganic Chemistry, 2021, 60, 18112-18121.	4.0	7
23	A new approach to the immobilisation of technetium and transuranics: Co-disposal in a zirconolite ceramic matrix. Journal of Nuclear Materials, 2020, 528, 151885.	2.7	9
24	Preliminary investigation of chlorine speciation in zirconolite glass-ceramics for plutonium residues by analysis of Cl K-edge XANES. MRS Advances, 2020, 5, 37-43.	0.9	1
25	Effect of Ti ⁴⁺ on the structure of nepheline (NaAlSiO ₄) glass. Geochimica Et Cosmochimica Acta, 2020, 290, 333-351.	3.9	10
26	Advanced Gas-cooled Reactor SIMFuel Fabricated by Hot Isostatic Pressing: a Feasibility Investigation. IOP Conference Series: Materials Science and Engineering, 2020, 818, 012011.	0.6	0
27	The HADES Facility for High Activity Decommissioning Engineering & Science: part of the UK National Nuclear User Facility. IOP Conference Series: Materials Science and Engineering, 2020, 818, 012022.	0.6	53
28	Molten salt synthesis of Ce doped zirconolite for the immobilisation of pyroprocessing wastes and separated plutonium. Ceramics International, 2020, 46, 29080-29089.	4.8	4
29	Nanoscale mechanism of UO ₂ formation through uranium reduction by magnetite. Nature Communications, 2020, 11, 4001.	12.8	57
30	Synthesis and characterization of iodovanadinite using PdI ₂ an iodine source for the immobilisation of radioiodine. RSC Advances, 2020, 10, 25116-25124.	3.6	4
31	Solubility, speciation and local environment of chlorine in zirconolite glass-ceramics for the immobilisation of plutonium residues. RSC Advances, 2020, 10, 32497-32510.	3.6	6
32	Synthesis and characterisation of high ceramic fraction brannerite (UTi ₂ O ₆) glass-ceramic composites. IOP Conference Series: Materials Science and Engineering, 2020, 818, 012018.	0.6	3
33	The formation of stoichiometric uranium brannerite (UTi ₂ O ₆) glass-ceramic composites from the component oxides in a one-pot synthesis. Journal of Nuclear Materials, 2020, 542, 152516.	2.7	8
34	Structure of NaFeSiO ₄ , NaFeSi ₂ O ₆ , and NaFeSi ₃ O ₈ glasses and glass-ceramics. American Mineralogist, 2020, 105, 1375-1384.	1.9	10
35	Tuning between Proper and Hybrid-Improper Mechanisms for Polar Behavior in CsLn ₂ Ti ₂ NbO ₁₀ Dion-Jacobson Phases. Chemistry of Materials, 2020, 32, 8700-8712.	6.7	14
36	Laboratory Based X-ray Absorption Spectroscopy of Iron Phosphate Glasses for Radioactive Waste Immobilisation: A Preliminary Investigation.. IOP Conference Series: Materials Science and Engineering, 2020, 818, 012020.	0.6	1

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37	Synthesis and characterisation of $\text{Ca}_{1-x}\text{Ce}_x\text{ZrTi}_2\text{-}2x\text{Cr}_2\text{xO}_7$: Analogue zirconolite wasteform for the immobilisation of stockpiled UK plutonium. <i>Journal of the European Ceramic Society</i> , 2020, 40, 5909-5919.	5.7	29
38	Hot Isostatic Pressing (HIP): A novel method to prepare Cr-doped UO_2 nuclear fuel. <i>MRS Advances</i> , 2020, 5, 45-53.	0.9	1
39	Synthesis, characterisation and preliminary corrosion behaviour assessment of simulant Fukushima nuclear accident fuel debris. <i>MRS Advances</i> , 2020, 5, 65-72.	0.9	2
40	Influence of Transition Metal Charge Compensation Species on Phase Assemblage in Zirconolite Ceramics for Pu Immobilisation. <i>MRS Advances</i> , 2020, 5, 93-101.	0.9	3
41	Multimodal X-ray microanalysis of a UFeO_4 : evidence for the environmental stability of ternary $\text{U}(\text{scp})\text{v}(\text{scp})$ oxides from depleted uranium munitions testing. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1577-1585.	3.5	3
42	$\text{Ba}_{1.2-x}\text{Cs}_x\text{M}_{1.2-x}/2\text{Ti}_{6.8+x}/2\text{O}_{16}$ (M = Ni, Zn) hollandites for the immobilisation of radiocaesium. <i>MRS Advances</i> , 2020, 5, 55-64.	0.9	2
43	Insights into the fabrication and structure of plutonium pyrochlores. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2387-2403.	10.3	17
44	Radiation stability study on cerium loaded iron phosphate glasses by ion irradiation method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 323, 1381-1386.	1.5	5
45	The Effect of A-Site Cation on the Formation of Brannerite (ATi_2O_6 , A = U, Th, Ce) Ceramic Phases in a Glass-Ceramic Composite System. <i>MRS Advances</i> , 2020, 5, 73-81.	0.9	7
46	Ce and U speciation in wasteforms for thermal treatment of plutonium bearing wastes, probed by L3 edge XANES. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 818, 012019.	0.6	1
47	A systematic investigation of the phase assemblage and microstructure of the zirconolite $\text{CaZr}_{1-x}\text{Ce}_x\text{Ti}_2\text{O}_7$ system. <i>Journal of Nuclear Materials</i> , 2020, 535, 152137.	2.7	26
48	A Feasibility Investigation of Laboratory Based X-ray Absorption Spectroscopy in Support of Nuclear Waste Management. <i>MRS Advances</i> , 2020, 5, 27-35.	0.9	9
49	Synthesis, characterisation and corrosion behaviour of simulant Chernobyl nuclear meltdown materials. <i>Npj Materials Degradation</i> , 2020, 4, .	5.8	13
50	The Effect of Temperature on the Stability and Cerium Oxidation State of CeTi_2O_6 in Inert and Oxidizing Atmospheres. <i>Inorganic Chemistry</i> , 2020, 59, 17364-17373.	4.0	5
51	A synchrotron X-ray spectroscopy study of titanium co-ordination in explosive melt glass derived from the trinity nuclear test. <i>RSC Advances</i> , 2019, 9, 12921-12927.	3.6	1
52	An improved laboratory-based x-ray absorption fine structure and x-ray emission spectrometer for analytical applications in materials chemistry research. <i>Review of Scientific Instruments</i> , 2019, 90, 024106.	1.3	70
53	A preliminary validation study of PuO_2 incorporation into zirconolite glass-ceramics. <i>MRS Advances</i> , 2018, 3, 1065-1071.	0.9	16
54	Synthesis and characterisation of brannerite compositions $(\text{U}_{0.9}\text{Ce}_{0.1})_{1-x}\text{M}_x\text{Ti}_2\text{O}_6$ (M = Gd^{3+} , Ca^{2+}) for the immobilisation of MOX residues. <i>RSC Advances</i> , 2018, 8, 2092-2099.	3.6	15

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55	Nonresonant valence-to-core x-ray emission spectroscopy of niobium. <i>Physical Review B</i> , 2018, 97, .	3.2	11
56	Synthesis and characterisation of the hollandite solid solution $Ba_{1.2-x}Cs_xFe_{2.4-x}Ti_{5.6+x}O_{16}$ for partitioning and conditioning of radiocaesium. <i>Journal of Nuclear Materials</i> , 2018, 503, 164-170.	2.7	8
57	Transformation of Cs-IONSIV [®] into a ceramic wasteform by hot isostatic pressing. <i>Journal of Nuclear Materials</i> , 2018, 498, 33-43.	2.7	7
58	Reactive spark plasma synthesis of $CaZrTi_2O_7$ zirconolite ceramics for plutonium disposition. <i>Journal of Nuclear Materials</i> , 2018, 500, 11-14.	2.7	27
59	Impact of rare earth ion size on the phase evolution of MoO_3 -containing aluminoborosilicate glass-ceramics. <i>Journal of Nuclear Materials</i> , 2018, 510, 539-550.	2.7	35
60	Immobilisation of Prototype Fast Reactor raffinate in a barium borosilicate glass matrix. <i>Journal of Nuclear Materials</i> , 2018, 508, 203-211.	2.7	10
61	The effect of pre-treatment parameters on the quality of glass-ceramic wasteforms for plutonium immobilisation, consolidated by hot isostatic pressing. <i>Journal of Nuclear Materials</i> , 2017, 485, 253-261.	2.7	15
62	Combined Quantitative X-ray Diffraction, Scanning Electron Microscopy, and Transmission Electron Microscopy Investigations of Crystal Evolution in $CaO-Al_2O_3-SiO_2-TiO_2-ZrO_2-Nd_2O_3$ System. <i>Crystal Growth and Design</i> , 2017, 17, 1079-1087.	3.0	15
63	Synthesis of simulant "lava-like"™ fuel containing materials (LFCM) from the Chernobyl reactor Unit 4 meltdown. <i>MRS Advances</i> , 2017, 2, 609-614.	0.9	5
64	Ceramic Immobilization Options for Technetium. <i>MRS Advances</i> , 2017, 2, 753-758.	0.9	2
65	Thermal treatment of plutonium contaminated material (PCM) waste. <i>MRS Advances</i> , 2017, 2, 735-740.	0.9	1
66	Synthesis and Characterization of Brannerite Compositions for MOX Residue Disposal. <i>MRS Advances</i> , 2017, 2, 557-562.	0.9	8
67	Investigation of Ce incorporation in zirconolite glass-ceramics for UK plutonium disposition. <i>MRS Advances</i> , 2017, 2, 699-704.	0.9	11
68	On the existence of $AgM_9(VO_4)_6I$ (M = Ba, Pb). <i>RSC Advances</i> , 2017, 7, 49004-49009.	3.6	3
69	Iron phosphate glasses: Bulk properties and atomic scale structure. <i>Journal of Nuclear Materials</i> , 2017, 494, 342-353.	2.7	28
70	Multi-scale investigation of uranium attenuation by arsenic at an abandoned uranium mine, South Terras. <i>Npj Materials Degradation</i> , 2017, 1, .	5.8	19
71	Role of Microstructure and Surface Defects on the Dissolution Kinetics of CeO_2 , a UO_2 Fuel Analogue. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10562-10571.	8.0	56
72	Alteration layer formation of Ca- and Zn-oxide bearing alkali borosilicate glasses for immobilisation of UK high level waste: A vapour hydration study. <i>Journal of Nuclear Materials</i> , 2016, 479, 639-646.	2.7	24

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73	Investigation of Processing Parameters for the Consolidation of Actinide Glass-Ceramic Wasteforms by Hot Isostatic Pressing. MRS Advances, 2016, 1, 4269-4274.	0.9	2
74	Simulation of alpha decay of actinides in iron phosphate glasses by ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 424-428.	1.4	12
75	Silicon oxycarbide glass for the immobilisation of irradiated graphite waste. Journal of Nuclear Materials, 2016, 469, 51-56.	2.7	3
76	Ion Beam Irradiation Induced Structural Modifications in Iron Phosphate Glasses: A Model System for Understanding Radiation Damage in Nuclear Waste Glasses. Materials Research Society Symposia Proceedings, 2015, 1757, 65.	0.1	1
77	Solution Composition Effects on the Dissolution of a CeO ₂ analogue for UO ₂ and ThO ₂ nuclear fuels. Materials Research Society Symposia Proceedings, 2015, 1744, 185-190.	0.1	5
78	Evolution of phase assemblage of blended magnesium potassium phosphate cement binders at 200Å° and 1000Å°C. Advances in Applied Ceramics, 2015, 114, 386-392.	1.1	26
79	A Crystal-Chemical Framework for Relaxor versus Normal Ferroelectric Behavior in Tetragonal Tungsten Bronzes. Chemistry of Materials, 2015, 27, 3250-3261.	6.7	153
80	Effect of Zn- and Ca-oxides on the structure and chemical durability of simulant alkali borosilicate glasses for immobilisation of UK high level wastes. Journal of Nuclear Materials, 2015, 462, 321-328.	2.7	45
81	Influence of Lubricants and Attrition Milling Parameters on the Quality of Zirconolite Ceramics, Consolidated by Hot Isostatic Pressing, for Immobilization of Plutonium. International Journal of Applied Ceramic Technology, 2015, 12, E92.	2.1	10
82	Solution composition and particle size effects on the dissolution and solubility of a ThO ₂ microstructural analogue for UO ₂ matrix of nuclear fuel. Radiochimica Acta, 2015, 103, 565-576.	1.2	12
83	Proper Ferroelectricity in the Dionâ€Jacobson Material CsBi ₂ Ti ₂ NbO ₁₀ : Experiment and Theory. Chemistry of Materials, 2015, 27, 8298-8309.	6.7	36
84	Graphite immobilisation in iron phosphate glass composite materials produced by microwave and conventional sintering routes. Journal of Nuclear Materials, 2014, 454, 343-351.	2.7	5
85	Thermal treatment of simulant plutonium contaminated materials from the Sellafield site by vitrification in a blast-furnace slag. Journal of Nuclear Materials, 2014, 444, 186-199.	2.7	15
86	Microanalytical X-ray Imaging of Depleted Uranium Speciation in Environmentally Aged Munitions Residues. Environmental Science & Technology, 2014, 48, 1467-1474.	10.0	26
87	Contribution of Energetically Reactive Surface Features to the Dissolution of CeO ₂ and ThO ₂ Analogues for Spent Nuclear Fuel Microstructures. ACS Applied Materials & Interfaces, 2014, 6, 12279-12289.	8.0	30
88	The durability of iodide sodalite. Journal of Nuclear Materials, 2014, 449, 168-172.	2.7	40
89	Selective behaviour of dilute Fe ³⁺ ions in silicate glasses: an Fe K-edge EXAFS and XANES study. Journal of Non-Crystalline Solids, 2014, 387, 47-56.	3.1	36
90	The effect of uranium oxide additions on the structure of alkali borosilicate glasses. Journal of Non-Crystalline Solids, 2013, 378, 282-289.	3.1	19

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91	Preparation, characterisation and dissolution of a CeO ₂ analogue for UO ₂ nuclear fuel. Journal of Nuclear Materials, 2013, 432, 182-188.	2.7	39
92	Encapsulation of TRISO particle fuel in durable soda-lime-silicate glasses. Journal of Nuclear Materials, 2013, 436, 139-149.	2.7	9
93	Remediation of soils contaminated with particulate depleted uranium by multi stage chemical extraction. Journal of Hazardous Materials, 2013, 263, 382-390.	12.4	24
94	Structural Transformations and Disorder in Zirconolite (CaZr ₂ Ti ₂ O ₇) at High Pressure. Inorganic Chemistry, 2013, 52, 1550-1558.	4.0	40
95	Mössbauer studies of materials used to immobilise industrial wastes. Hyperfine Interactions, 2013, 217, 83-90.	0.5	5
96	The Use of High Durability Alumino-Borosilicate Glass for the Encapsulation of High Temperature Reactor (HTR) Fuel. Materials Research Society Symposia Proceedings, 2013, 1518, 3-8.	0.1	1
97	Surface Sensitive Spectroscopy Study of Ion Beam Irradiation Induced Structural Modifications in Borosilicate Glasses. Materials Research Society Symposia Proceedings, 2013, 1514, 75-80.	0.1	2
98	Reducing the uncertainty of nuclear fuel dissolution: an investigation of UO ₂ analogue CeO ₂ . Materials Research Society Symposia Proceedings, 2013, 1518, 151-156.	0.1	1
99	Thermal Conversion of Cs-exchanged IONSIV IE-911 into a Novel Caesium Ceramic Wasteform by Hot Isostatic Pressing. Materials Research Society Symposia Proceedings, 2013, 1518, 67-72.	0.1	4
100	Decontamination of Molten Salt Wastes for Pyrochemical Reprocessing of Nuclear Fuels. Materials Research Society Symposia Proceedings, 2013, 1518, 97-102.	0.1	3
101	Ceramic Immobilisation Options for Technetium. Materials Research Society Symposia Proceedings, 2012, 1518, 111-116.	0.1	2
102	Rapid microwave synthesis of Pb ₅ (VO ₄) ₃ X (X = F, Cl, Br and I) vanadinite apatites for the immobilisation of halide radioisotopes. Materials Research Society Symposia Proceedings, 2012, 1475, 221.	0.1	4
103	The fluorite related modulated structures of the Gd ₂ (Zr _{2-2x} Ce _x)O ₇ solid solution: An analogue for Pu disposition. Journal of Solid State Chemistry, 2012, 191, 2-9.	2.9	28
104	Crystal structure and non-stoichiometry of cerium brannerite: Ce _{0.975} Ti ₂ O _{5.95} . Journal of Solid State Chemistry, 2012, 192, 172-178.	2.9	25
105	Effects of sintering temperature on the internal barrier layer capacitor (IBLC) structure in CaCu ₃ Ti ₄ O ₁₂ (CCTO) ceramics. Journal of the European Ceramic Society, 2012, 32, 3313-3323.	5.7	277
106	Rapid low temperature synthesis of a titanate pyrochlore by molten salt mediated reaction. Journal of the European Ceramic Society, 2012, 32, 3211-3219.	5.7	30
107	High-Pressure and -Temperature Ion Exchange of Aluminosilicate and Gallosilicate Natrolite. Journal of the American Chemical Society, 2011, 133, 13883-13885.	13.7	23
108	The Structural Role of Zn in Nuclear Waste Glasses. International Journal of Applied Glass Science, 2011, 2, 343-353.	2.0	23

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109	Krypton and helium irradiation damage in neodymium zirconolite. Journal of Nuclear Materials, 2011, 416, 221-224.	2.7	13
110	Sintering of CaF ₂ pellets as nuclear fuel analog for surface stability experiments. Journal of Nuclear Materials, 2011, 419, 46-51.	2.7	12
111	Krypton irradiation damage in Nd-doped zirconolite and perovskite. Journal of Nuclear Materials, 2011, 415, 67-73.	2.7	16
112	Synthesis, structure and characterisation of the n=4 Aurivillius phase Bi ₅ Ti ₃ CrO ₁₅ . Journal of Solid State Chemistry, 2011, 184, 252-263.	2.9	37
113	Rapid synthesis of Pb ₅ (VO ₄) ₃ I, for the immobilisation of iodine radioisotopes, by microwave dielectric heating. Journal of Nuclear Materials, 2011, 414, 352-359.	2.7	32
114	Krypton and Helium Irradiation Damage in Yttria-stabilised Zirconia. Materials Research Society Symposia Proceedings, 2011, 1298, 197.	0.1	0
115	Piezoelectric and ferroelectric properties of new Pb ₉ Ce ₂ Ti ₁₂ O ₃₆ and lead-free Ba ₂ NdTi ₂ Nb ₃ O ₁₅ ceramics. Journal of Electroceramics, 2010, 25, 116-121.	2.0	3
116	The structure of ion beam amorphised zirconolite studied by grazing angle X-ray absorption spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1847-1852.	1.4	21
117	Stability of Cs-Ions in Portland cement blends for radioactive waste disposal. Materials Research Society Symposia Proceedings, 2010, 1265, 1.	0.1	0
118	Synthesis and characterisation of Pu-doped zirconolites $(Ca_{1-x}Pu_x)Zr(Ti_{2-2x}Fe_{2x})O_7$. IOP Conference Series: Materials Science and Engineering, 2010, 9, 012007.	0.6	19
119	The Relative Merits of Oxides of Hafnium, Cerium and Thorium as Surrogates for Plutonium Oxide in Calcium Phosphate Ceramics. Materials Research Society Symposia Proceedings, 2009, 1193, .	0.1	2
120	Heavy ion implantation combined with grazing incidence X-ray absorption spectroscopy (GIXAS): A new methodology for the characterisation of radiation damage in nuclear ceramics. Materials Research Society Symposia Proceedings, 2009, 1193, .	0.1	0
121	In Situ Characterisation of Model UK Nuclear Waste Glasses by X-ray Absorption Spectroscopy Under Process Conditions. Materials Research Society Symposia Proceedings, 2008, 1107, 1.	0.1	1
122	The Use of Surrogates in Waste Immobilization Studies: A Case Study of Plutonium. Materials Research Society Symposia Proceedings, 2008, 1107, 1.	0.1	26
123	Towards a Single Host Phase Ceramic Formulation for UK Plutonium Disposition. Materials Research Society Symposia Proceedings, 2008, 1107, 1.	0.1	3
124	Synthesis of Crystalline Ceramics for Actinide Immobilisation. , 2007, , 255.		0
125	Dielectric and structural studies of Ba ₂ MTi ₂ Nb ₃ O ₁₅ (BMTNO ₁₅ , M=Bi ³⁺ ,La ³⁺ ,Nd ³⁺ ,Sm ³⁺ ,Gd ³⁺) tetragonal tungsten bronze-structured ceramics. Journal of Applied Physics, 2007, 101, 104114.	2.5	110
126	Octahedral Tilting and Ferroelectric Order in Tetragonal Tungsten Bronze-Like Dielectrics. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0

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127	Tungsten Bronze-Structured Temperature-Stable Dielectrics. Journal of the American Ceramic Society, 2007, 90, 980-982.	3.8	15
128	Immobilisation of radioactive waste in glasses, glass composite materials and ceramics. Advances in Applied Ceramics, 2006, 105, 3-12.	1.1	328
129	Characterisation of Plasma Vitrified Simulant Plutonium Contaminated Material Waste. Materials Research Society Symposia Proceedings, 2006, 985, 1.	0.1	2
130	Microchemical and crystallographic characterisation of fluorite-based ceramic wasteforms. Materials Research Society Symposia Proceedings, 2006, 932, 1.	0.1	4
131	An Evaluation of Single Phase Ceramic Formulations for Plutonium Disposition. Materials Research Society Symposia Proceedings, 2006, 985, 1.	0.1	0
132	Coupling between octahedral tilting and ferroelectric order in tetragonal tungsten bronze-structured dielectrics. Applied Physics Letters, 2006, 89, 122908.	3.3	125
133	Synthesis and characterisation of transition metal substituted barium hollandite ceramics. Materials Research Society Symposia Proceedings, 2006, 932, 1.	0.1	3
134	Dielectric spectra of a new relaxor ferroelectric system Ba ₂ LnTi ₂ Nb ₃ O ₁₅ (Ln=La, Nd). Journal of the European Ceramic Society, 2005, 25, 3069-3073.	5.7	26
135	A new family of ferroelectric tetragonal tungsten bronze phases, Ba ₂ MTi ₂ X ₃ O ₁₅ . Journal of the European Ceramic Society, 2005, 25, 2471-2475.	5.7	45
136	Temperature-dependent crystal structure of ferroelectric Ba ₂ LaTi ₂ Nb ₃ O ₁₅ . Journal of Materials Chemistry, 2005, 15, 798.	6.7	45
137	X-ray diffraction data for the new ferroelectric tetragonal tungsten bronze phases, Ba ₂ RETi ₂ M ₃ O ₁₅ :M=Nb and RE=La, Pr, Nd, Sm, Gd, Dy, (Bi);M=Ta and RE=La, Nd. Powder Diffraction, 2005, 20, 43-46.	0.2	11
138	A new relaxor ferroelectric, Ba ₂ LaTi ₂ Nb ₃ O ₁₅ . Journal of Materials Chemistry, 2002, 12, 2609-2611.	6.7	45