

Brian J Riley

List of Publications by Year in descending order

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122
papers

3,686
citations

186209

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155592

55
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151
all docs

151
docs citations

151
times ranked

3086
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Materials and processes for the effective capture and immobilization of radioiodine: A review. <i>Journal of Nuclear Materials</i> , 2016, 470, 307-326. | 1.3 | 437 |
| 2 | Adsorbed Proteins Influence the Biological Activity and Molecular Targeting of Nanomaterials. <i>Toxicological Sciences</i> , 2007, 100, 303-315. | 1.4 | 414 |
| 3 | Chalcogenide Aerogels as Sorbents for Radioactive Iodine. <i>Chemistry of Materials</i> , 2015, 27, 2619-2626. | 3.2 | 186 |
| 4 | Chalcogen-Based Aerogels As Sorbents for Radionuclide Remediation. <i>Environmental Science & Technology</i> , 2013, 47, 7540-7547. | 4.6 | 161 |
| 5 | Single-mode low-loss chalcogenide glass waveguides for the mid-infrared. <i>Optics Letters</i> , 2006, 31, 1860. | 1.7 | 130 |
| 6 | Polyacrylonitrile-Chalcogel Hybrid Sorbents for Radioiodine Capture. <i>Environmental Science & Technology</i> , 2014, 48, 5832-5839. | 4.6 | 90 |
| 7 | Chalcogen-based aerogels as a multifunctional platform for remediation of radioactive iodine. <i>RSC Advances</i> , 2011, 1, 1704. | 1.7 | 85 |
| 8 | Multi-Phase Glass-Ceramics as a Waste Form for Combined Fission Products: Alkalis, Alkaline Earths, Lanthanides, and Transition Metals. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1297-1303. | 1.9 | 82 |
| 9 | Cold crucible induction melter studies for making glass ceramic waste forms: A feasibility assessment. <i>Journal of Nuclear Materials</i> , 2014, 444, 481-492. | 1.3 | 82 |
| 10 | Reduction and Simultaneous Removal of ⁹⁹ Tc and Cr by Fe(OH) ₂ (s) Mineral Transformation. <i>Environmental Science & Technology</i> , 2017, 51, 8635-8642. | 4.6 | 68 |
| 11 | Cluster formation of silica particles in glass batches during melting. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1359-1367. | 1.5 | 66 |
| 12 | Rhenium Solubility in Borosilicate Nuclear Waste Glass: Implications for the Processing and Immobilization of Technetium-99. <i>Environmental Science & Technology</i> , 2012, 46, 12616-12622. | 4.6 | 62 |
| 13 | Iodine solubility in a low-activity waste borosilicate glass at 1000°C. <i>Journal of Nuclear Materials</i> , 2014, 452, 178-188. | 1.3 | 60 |
| 14 | Removal of TcO ₄ ⁻ from Representative Nuclear Waste Streams with Layered Potassium Metal Sulfide Materials. <i>Chemistry of Materials</i> , 2016, 28, 3976-3983. | 3.2 | 56 |
| 15 | Molten salt reactor waste and effluent management strategies: A review. <i>Nuclear Engineering and Design</i> , 2019, 345, 94-109. | 0.8 | 56 |
| 16 | Silver-Loaded Aluminosilicate Aerogels As Iodine Sorbents. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32907-32919. | 4.0 | 53 |
| 17 | Glass-bonded idosodalite waste form for immobilization of ¹²⁹ I. <i>Journal of Nuclear Materials</i> , 2018, 504, 109-121. | 1.3 | 50 |
| 18 | Temperature Distribution within a Cold Cap during Nuclear Waste Vitrification. <i>Environmental Science & Technology</i> , 2015, 49, 8856-8863. | 4.6 | 45 |

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|----|---|-----|-----------|
| 19 | Binary Phase Diagram of the Manganese Oxide–Iron Oxide System. <i>Journal of the American Ceramic Society</i> , 2009, 92, 2378-2384. | 1.9 | 44 |
| 20 | Tellurite glass as a waste form for mixed alkali–chloride waste streams: Candidate materials selection and initial testing. <i>Journal of Nuclear Materials</i> , 2012, 424, 29-37. | 1.3 | 41 |
| 21 | Gaseous Iodine Sorbents: A Comparison between Ag-Loaded Aerogel and Xerogel Scaffolds. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 26127-26136. | 4.0 | 38 |
| 22 | Conversion of Nuclear Waste to Molten Glass: Cold–Cap Reactions in Crucible Tests. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2964-2970. | 1.9 | 36 |
| 23 | Incorporating technetium in minerals and other solids: A review. <i>Journal of Nuclear Materials</i> , 2015, 466, 526-538. | 1.3 | 35 |
| 24 | Glass binder development for a glass-bonded sodalite ceramic waste form. <i>Journal of Nuclear Materials</i> , 2017, 489, 42-63. | 1.3 | 34 |
| 25 | Evaluation of Getter Metals in Na–Al–Si–O Aerogels and Xerogels for the Capture of Iodine Gas. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19682-19692. | 4.0 | 34 |
| 26 | Synthesis and characterization of iodiosodalite. <i>Journal of the American Ceramic Society</i> , 2017, 100, 2273-2284. | 1.9 | 33 |
| 27 | Effect of Alumina Source on the Rate of Melting Demonstrated with Nuclear Waste Glass Batch. <i>International Journal of Applied Glass Science</i> , 2012, 3, 59-68. | 1.0 | 32 |
| 28 | Solution-based approaches for making high-density sodalite waste forms to immobilize spent electrochemical salts. <i>Journal of Nuclear Materials</i> , 2013, 442, 350-359. | 1.3 | 31 |
| 29 | Sol-gel derived silica: A review of polymer-tailored properties for energy and environmental applications. <i>Microporous and Mesoporous Materials</i> , 2022, 336, 111874. | 2.2 | 31 |
| 30 | Structural analysis of some sodium and alumina rich high-level nuclear waste glasses. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 674-679. | 1.5 | 30 |
| 31 | Ion-Exchange Interdiffusion Model with Potential Application to Long-Term Nuclear Waste Glass Performance. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9374-9384. | 1.5 | 30 |
| 32 | Liquidus temperature and chemical durability of selected glasses to immobilize rare earth oxides waste. <i>Journal of Nuclear Materials</i> , 2015, 465, 657-663. | 1.3 | 28 |
| 33 | Role of Zeolite Structural Properties toward Iodine Capture: A Head-to-head Evaluation of Framework Type and Chemical Composition. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18439-18452. | 4.0 | 27 |
| 34 | Structure of Rhenium–Containing Sodium Borosilicate Glass. <i>International Journal of Applied Glass Science</i> , 2013, 4, 42-52. | 1.0 | 25 |
| 35 | Dilute condition corrosion behavior of glass-ceramic waste form. <i>Journal of Nuclear Materials</i> , 2016, 482, 1-11. | 1.3 | 25 |
| 36 | Chalcogenide Aerogels as Sorbents for Noble Gases (Xe, Kr). <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33389-33394. | 4.0 | 25 |

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|----|---|-----|-----------|
| 37 | Metal-Organic Framework-Polyacrylonitrile Composite Beads for Xenon Capture. ACS Applied Materials & Interfaces, 2020, 12, 45342-45350. | 4.0 | 25 |
| 38 | Solution-Derived, Chloride-Containing Minerals as a Waste Form for Alkali Chlorides. Journal of the American Ceramic Society, 2012, 95, 3115-3123. | 1.9 | 24 |
| 39 | Immobilization of cesium and iodine into Cs ₃ Bi ₂ I ₉ perovskite-silica composites and core-shell waste forms with high waste loadings and chemical durability. Journal of Hazardous Materials, 2021, 401, 123279. | 6.5 | 24 |
| 40 | Review of molten salt reactor off-gas management considerations. Nuclear Engineering and Design, 2021, 385, 111529. | 0.8 | 24 |
| 41 | Structure-optical property correlations of arsenic sulfide glasses in visible, infrared, and sub-millimeter regions. Journal of Non-Crystalline Solids, 2010, 356, 1288-1293. | 1.5 | 23 |
| 42 | The Predictive Power of Electronic Polarizability for Tailoring the Refractivity of High-Index Glasses: Optical Basicity Versus the Single Oscillator Model. Journal of the American Ceramic Society, 2010, 93, 1650-1662. | 1.9 | 22 |
| 43 | The effect of high-level waste glass composition on spinel liquidus temperature. Journal of Non-Crystalline Solids, 2014, 384, 32-40. | 1.5 | 22 |
| 44 | Structure and Chemistry in Halide Lead-Tellurite Glasses. Journal of Physical Chemistry C, 2013, 117, 3456-3466. | 1.5 | 21 |
| 45 | Melter Feed Reactions at 700°C for Nuclear Waste Vitrification. Journal of the American Ceramic Society, 2015, 98, 3105-3111. | 1.9 | 21 |
| 46 | Synthesis and characterization of oxyapatite [Ca ₂ Nd ₈ (SiO ₄) ₆ O ₂] and mixed-alkaline-earth powellite [(Ca,Sr,Ba)MoO ₄] for a glass-ceramic waste form. Journal of Nuclear Materials, 2018, 510, 623-634. | 1.3 | 21 |
| 47 | Crystallization of Rhenium Salts in a Simulated Low-Activity Waste Borosilicate Glass. Journal of the American Ceramic Society, 2013, 96, 1150-1157. | 1.9 | 20 |
| 48 | Radiation stability test on multiphase glass ceramic and crystalline ceramic waste forms. Nuclear Instruments & Methods in Physics Research B, 2014, 326, 293-297. | 0.6 | 19 |
| 49 | Electrochemical Salt Wasteform Development: A Review of Salt Treatment and Immobilization Options. Industrial & Engineering Chemistry Research, 2020, 59, 9760-9774. | 1.8 | 19 |
| 50 | Hybrid Sorbents for ¹²⁹ I Capture from Contaminated Groundwater. ACS Applied Materials & Interfaces, 2020, 12, 26113-26126. | 4.0 | 19 |
| 51 | Iodosodalite synthesis with hot isostatic pressing of precursors produced from aqueous and hydrothermal processes. Journal of Nuclear Materials, 2020, 538, 152222. | 1.3 | 18 |
| 52 | Consolidation of Tin Sulfide Chalcogels and Xerogels with and without Adsorbed Iodine. Industrial & Engineering Chemistry Research, 2015, 54, 11259-11267. | 1.8 | 17 |
| 53 | Iodosodalite Waste Forms from Low-Temperature Aqueous Process. MRS Advances, 2018, 3, 1093-1103. | 0.5 | 17 |
| 54 | Kinetics of oxyapatite [Ca ₂ Nd ₈ (SiO ₄) ₆ O ₂] and powellite [(Ca,Sr,Ba)MoO ₄] dissolution in glass-ceramic nuclear waste forms in acidic, neutral, and alkaline conditions. Journal of Nuclear Materials, 2019, 515, 227-237. | 1.3 | 17 |

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|----|--|-----|-----------|
| 55 | Assessment of lead tellurite glass for immobilizing electrochemical salt wastes from used nuclear fuel reprocessing. <i>Journal of Nuclear Materials</i> , 2017, 495, 405-420. | 1.3 | 16 |
| 56 | Dehalogenation of electrochemical processing salt simulants with ammonium phosphates and immobilization of salt cations in an iron phosphate glass waste form. <i>Journal of Nuclear Materials</i> , 2020, 529, 151949. | 1.3 | 16 |
| 57 | Syntheses, crystal structures, and comparisons of rare-earth oxyapatites $\text{Ca}_{2-x}\text{RE}_x\text{O}_8(\text{SiO}_4)_6\text{O}_2$ ($\text{RE} = \text{La, Nd, Sm, Eu, or Yb}$) and $\text{NaLa}_9(\text{SiO}_4)_6\text{O}_2$. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1020-1025. | 0.2 | 16 |
| 58 | Infrared-transparent glass ceramics: An exploratory study. <i>Journal of Non-Crystalline Solids</i> , 2015, 410, 160-173. | 1.5 | 14 |
| 59 | Waste form evaluation for RECl_3 and REO fission products separated from used electrochemical salt. <i>Progress in Nuclear Energy</i> , 2018, 104, 102-108. | 1.3 | 14 |
| 60 | Iodine Capture with Mechanically Robust Heat-Treated Ag-Al-Si-O Xerogel Sorbents. <i>ACS Omega</i> , 2021, 6, 11628-11638. | 1.6 | 14 |
| 61 | Investigation of physical and chemical properties for upgraded SAP ($\text{SiO}_2\text{Al}_2\text{O}_3\text{P}_2\text{O}_5$) waste form to immobilize radioactive waste salt. <i>Journal of Nuclear Materials</i> , 2019, 515, 382-391. | 1.3 | 13 |
| 62 | $\text{Cs}_3\text{Bi}_2\text{I}_9$ -hydroxyapatite composite waste forms for cesium and iodine immobilization. <i>Journal of Advanced Ceramics</i> , 2022, 11, 712-728. | 8.9 | 13 |
| 63 | Gamma Radiation Effects on Physical, Optical, and Structural Properties of Binary As_2S_3 Glasses. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1048-1055. | 1.9 | 12 |
| 64 | Component effects on crystallization of RE-containing aluminoborosilicate glass. <i>Journal of Nuclear Materials</i> , 2016, 478, 261-267. | 1.3 | 12 |
| 65 | Environmental Remediation with Functional Aerogels and Xerogels. <i>Global Challenges</i> , 2020, 4, 2000013. | 1.8 | 12 |
| 66 | Liquidus Temperature of Rare Earth-Alumino-Borosilicate Glasses for Treatment of Americium and Curium. <i>Materials Research Society Symposia Proceedings</i> , 1999, 608, 677. | 0.1 | 11 |
| 67 | Chalcogenide glasses and structures for quantum sensing. , 2004, 5359, 234. | | 11 |
| 68 | Compositional trends of $\hat{\Gamma}^3$ -induced optical changes observed in chalcogenide glasses of binary AsS system. <i>Journal of Non-Crystalline Solids</i> , 2014, 386, 95-99. | 1.5 | 11 |
| 69 | Efficacy of a solution-based approach for making sodalite waste forms for an oxide reduction salt utilized in the reprocessing of used uranium oxide fuel. <i>Journal of Nuclear Materials</i> , 2015, 459, 313-322. | 1.3 | 11 |
| 70 | Sodalite as a vehicle to increase Re retention in waste glass simulant during vitrification. <i>Journal of Nuclear Materials</i> , 2016, 479, 331-337. | 1.3 | 11 |
| 71 | Crystallization study of rare earth and molybdenum containing nuclear waste glass ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5149-5163. | 1.9 | 11 |
| 72 | Molten salt reactors and electrochemical reprocessing: synthesis and chemical durability of potential waste forms for metal and salt waste streams. <i>International Materials Reviews</i> , 2021, 66, 339-363. | 9.4 | 11 |

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|----|--|-----|-----------|
| 73 | Polyacrylonitrile Composites of Ag-Al-Si-O Aerogels and Xerogels as Iodine and Iodide Sorbents. ACS Applied Polymer Materials, 2021, 3, 3344-3353. | 2.0 | 11 |
| 74 | Iodine Vapor Reactions with Pure Metal Wires at Temperatures of 100-139 °C in Air. Industrial & Engineering Chemistry Research, 2021, 60, 17162-17173. | 1.8 | 11 |
| 75 | Synthesis and Characterization of Bulk, Vitreous Cadmium Germanium Arsenide. Journal of the American Ceramic Society, 2009, 92, 1236-1243. | 1.9 | 10 |
| 76 | Solution-derived sodalite made with Si- and Ge-ethoxide precursors for immobilizing electrorefiner salt. Journal of Nuclear Materials, 2016, 468, 140-146. | 1.3 | 10 |
| 77 | Silver-Loaded Xerogel Nanostructures for Iodine Capture: A Comparison of Thiolated versus Unthiolated Sorbents. ACS Applied Nano Materials, 2022, 5, 9478-9494. | 2.4 | 10 |
| 78 | The Liquidus Temperature of Nuclear Waste Glasses: An International Round-Robin Study. International Journal of Applied Glass Science, 2011, 2, 321-333. | 1.0 | 9 |
| 79 | Synthesis and characterization of sintered Hf-Y zeolite-derived waste forms for dehalogenated electrorefiner salt. Ceramics International, 2020, 46, 17707-17716. | 2.3 | 9 |
| 80 | Infrared-transmitting glass-ceramics: a review. Proceedings of SPIE, 2013, , . | 0.8 | 8 |
| 81 | Electron backscatter diffraction of a Ge growth tip from a vertical gradient freeze furnace. Journal of Crystal Growth, 2008, 311, 10-14. | 0.7 | 7 |
| 82 | The Influence of Constitutional Supercooling on the Distribution of Te-Particles in Melt-Grown CZT. Journal of Electronic Materials, 2015, 44, 4604-4621. | 1.0 | 7 |
| 83 | Sol-gel synthesis of iodosalite precursors and subsequent consolidation with a glass binder made from oxides and sol-gel routes. Journal of Sol-Gel Science and Technology, 2020, 96, 564-575. | 1.1 | 7 |
| 84 | Review and experimental comparison of the durability of iodine waste forms in semi-dynamic leach testing. Chemical Engineering Journal Advances, 2022, 11, 100300. | 2.4 | 7 |
| 85 | Differential etching of chalcogenides for infrared photonic waveguide structures. Journal of Non-Crystalline Solids, 2008, 354, 813-816. | 1.5 | 6 |
| 86 | Thermal and gamma-ray induced relaxation in As-S glasses: modelling and experiment. Journal Physics D: Applied Physics, 2011, 44, 395402. | 1.3 | 6 |
| 87 | Liquidus temperature in the spinel primary phase field: A comparison between optical and crystal fraction methods. Journal of Non-Crystalline Solids, 2018, 483, 1-9. | 1.5 | 6 |
| 88 | Immobilization of LiCl-Li2O pyroprocessing salt wastes in chlorosodalite using glass-bonded hydrothermal and salt-occlusion methods. Journal of Nuclear Materials, 2018, 502, 236-246. | 1.3 | 6 |
| 89 | Glass structure and crystallization in boro-alumino-silicate glasses containing rare earth and transition metal cations: a US-UK collaborative program. MRS Advances, 2019, 4, 1029-1043. | 0.5 | 6 |
| 90 | Glass waste form options for rare-earth fission products from electrochemical reprocessing. Journal of Non-Crystalline Solids, 2020, 545, 120161. | 1.5 | 6 |

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|-----|---|-----|-----------|
| 91 | Syntheses and Crystal Structures of Rare-Earth Oxyapatites $\text{Ca}_2\text{RE}_8(\text{SiO}_4)_6\text{O}_2$ (RE = Pr, Tb, Ho, Tm). <i>Journal of Chemical Crystallography</i> , 2021, 51, 293-300. | 0.5 | 6 |
| 92 | Tricadmium Digermanium Tetraarsenide: A New Crystalline Phase Made with a Double-Containment Ampoule Method. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2161-2168. | 1.9 | 5 |
| 93 | Sublimation-Condensation of Multiscale Tellurium Structures. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10128-10134. | 1.5 | 5 |
| 94 | Crystalline compounds for remediation of rare-earth fission products: A review. <i>Journal of Rare Earths</i> , 2022, 40, 365-380. | 2.5 | 5 |
| 95 | Molecular Iodine Interactions with Fe, Ni, Cr, and Stainless Steel Alloys. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2447-2454. | 1.8 | 5 |
| 96 | Synthesis of $\text{Nd}_3\text{BSi}_2\text{O}_{10}$ using a LiCl-flux method. <i>Journal of Nuclear Materials</i> , 2019, 515, 370-381. | 1.3 | 4 |
| 97 | Zinc-in-titania waste form for immobilizing lanthanide fission products from electrochemical reprocessing. <i>Journal of Nuclear Materials</i> , 2020, 539, 152313. | 1.3 | 4 |
| 98 | Molecular iodine interactions with metal substrates: Towards the understanding of iodine interactions in the environment following a nuclear accident. <i>Journal of Nuclear Materials</i> , 2021, 546, 152771. | 1.3 | 4 |
| 99 | Crystal structures and comparisons of huntite aluminum borates $\text{REAl}_3(\text{BO}_3)_4$ (RE = Tb, Dy and Ho). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 339-343. | 0.2 | 4 |
| 100 | DC Ionization Conductivity of Amorphous Semiconductors for Radiation Detection Applications. <i>IEEE Transactions on Nuclear Science</i> , 2009, 56, 863-868. | 1.2 | 3 |
| 101 | Fourier-transform infrared spectroscopy for rapid screening and live-cell monitoring: application to nanotoxicology. <i>Nanomedicine</i> , 2013, 8, 145-156. | 1.7 | 3 |
| 102 | Perovskite-Derived Cs_2SnCl_6 -Silica Composites as Advanced Waste Forms for Chloride Salt Wastes. <i>Environmental Science & Technology</i> , 2021, 55, 7605-7614. | 4.6 | 3 |
| 103 | Adsorption of iodine on metal coupons in humid and dry environments. <i>Journal of Nuclear Materials</i> , 2021, 556, 153204. | 1.3 | 3 |
| 104 | Synthesis and crystal structure of a neodymium borosilicate, $\text{Nd}_3\text{BSi}_2\text{O}_{10}$. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 700-702. | 0.2 | 3 |
| 105 | Metallic technetium sequestration in nickel core/shell microstructure during $\text{Fe}(\text{OH})_2$ transformation with Ni doping. <i>Journal of Hazardous Materials</i> , 2022, 425, 127779. | 6.5 | 3 |
| 106 | Crystal structures and comparisons of potassium rare-earth molybdates $\text{KRE}(\text{MoO}_4)_2$ (RE = Tb, Dy, Ho, Er, Yb, and Lu). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 1871-1875. | 0.2 | 3 |
| 107 | Laboratory-scale quartz crucible melter tests for vitrifying a high- MoO_3 raffinate waste simulant. <i>Progress in Nuclear Energy</i> , 2019, 110, 13-23. | 1.3 | 2 |
| 108 | Viscosities and working region predictions for bismuth aluminoborosilicate glasses. <i>International Journal of Applied Glass Science</i> , 2019, 10, 190-201. | 1.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Micrometer-sized magnetite synthesis using Fe(OH) ₂ (s) as a precursor for technetium sequestration from liquid nuclear waste streams. <i>Journal of Nuclear Materials</i> , 2021, 552, 152964. | 1.3 | 2 |
| 110 | Dehydration synthesis and crystal structure of terbium oxychloride, TbOCl. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 621-624. | 0.2 | 2 |
| 111 | Dechlorination Apparatus for Treating Chloride Salt Wastes: System Evaluation and Scale-Up. <i>ACS Omega</i> , 2021, 6, 32239-32252. | 1.6 | 2 |
| 112 | Influence of ion site occupancies on the unit cell parameters, specific volumes, and densities of M ₈ (AlSiO ₄) ₆ X ₂ sodalites where M = Li, Na, K, Rb, and Ag and X = Cl, Br, and I. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1. | 0.5 | 1 |
| 113 | Single-component time variation study for glass-ceramic waste forms. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3738-3749. | 1.9 | 1 |
| 114 | Effect of reduced dehalogenation on the performance of Y zeolite-based sintered waste forms. <i>Journal of Nuclear Materials</i> , 2021, 545, 152753. | 1.3 | 1 |
| 115 | Synthesis of Dysprosium Oxychloride (DyOCl). <i>Journal of Chemical Crystallography</i> , 0, , 1. | 0.5 | 1 |
| 116 | Effects of composition and canister centerline cooling on microstructure, phase distribution, and chemical durability of dehalogenated iron phosphate waste forms. <i>Journal of Non-Crystalline Solids</i> , 2022, 579, 121319. | 1.5 | 1 |
| 117 | Method Development for High Temperature In-Situ Neutron Diffraction Measurements of Glass Crystallization on Cooling from Melt. <i>MRS Advances</i> , 2019, 4, 1009-1019. | 0.5 | 0 |
| 118 | Energy-Dispersive X-ray Spectroscopy and Atom-probe Tomography Data Quantifying Component-Ratios of Multicomponent Nano-Precipitates in Ion-Irradiated Ceria. <i>Data in Brief</i> , 2021, 39, 107460. | 0.5 | 0 |
| 119 | Crystal structure and chemistry of tricadmium digermanium tetraarsenide, Cd ₃ Ge ₂ As ₄ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1291-1296. | 0.2 | 0 |
| 120 | Synthesis and crystal structure of a mixed alkaline-earth powellite, Ca _{0.84} Sr _{0.16} MoO ₄ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2020, 76, 121-124. | 0.2 | 0 |
| 121 | Crystal structures and comparisons of potassium rare-earth molybdates K(MoO) ₄ (= Tb, Dy, Ho, Er, Yb, Y). <i>Journal of Solid State Chemistry</i> , 2021, 393, 106307. | 0.2 | 0 |
| 122 | Thermal conversion in air of rare-earth fluorides to rare-earth oxyfluorides and rare-earth oxides. <i>Journal of Nuclear Materials</i> , 2022, 561, 153538. | 1.3 | 0 |