# Seung Min Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4337527/publications.pdf

Version: 2024-02-01

| 20 | 302 | 840776 11 | 888059 17 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 20 | 20 | 20 | 81 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effects of heating rate, quartz particle size, viscosity, and form of glass additives on highâ€level waste melter feed volume expansion. Journal of the American Ceramic Society, 2017, 100, 583-591. | 3.8 | 33 |
| 2 | Foaming during nuclear waste melter feeds conversion to glass: Application of evolved gas analysis. International Journal of Applied Glass Science, 2018, 9, 487-498. | 2.0 | 28 |
| 3 | Effect of melter feed foaming on heat flux to the cold cap. Journal of Nuclear Materials, 2017, 496, 54-65. | 2.7 | 24 |
| 4 | Lattice Parameter Behavior with Different Nd and O Concentrations in (U<sub>1â^'y</sub>Nd<sub>y</sub>)O<sub>2Â±X</sub> Solid Solution. Nuclear Technology, 2016, 193, 287-296. | 1.2 | 21 |
| 5 | Xâ€ray tomography of feedâ€toâ€glass transition of simulated borosilicate waste glasses. Journal of the American Ceramic Society, 2017, 100, 3883-3894. | 3.8 | 18 |
| 6 | Glass production rate in electric furnaces for radioactive waste vitrification. Journal of the American Ceramic Society, 2019, 102, 5828-5842. | 3.8 | 18 |
| 7 | Cold-cap formation from a slurry feed during nuclear waste vitrification. Ceramics International, 2019, 45, 6405-6412. | 4.8 | 16 |
| 8 | Heat transfer from glass melt to cold cap: Melting rate correlation equation. International Journal of Applied Glass Science, 2019, 10, 143-150. | 2.0 | 15 |
| 9 | Heat transfer from glass melt to cold cap: Gas evolution and foaming. Journal of the American Ceramic Society, 2019, 102, 5853-5865. | 3.8 | 15 |
| 10 | Heat transfer from glass melt to cold cap: Effect of heating rate. International Journal of Applied Glass Science, 2019, 10, 401-413. | 2.0 | 15 |
| 11 | Balance of oxygen throughout the conversion of a high-level waste melter feed to glass. Ceramics International, 2017, 43, 13113-13118. | 4.8 | 13 |
| 12 | Modeling batch melting: Roles of heat transfer and reaction kinetics. Journal of the American Ceramic Society, 2020, 103, 701-718. | 3.8 | 13 |
| 13 | Viscosity of glassâ€forming melt at the bottom of highâ€level waste melterâ€feed cold caps: Effects of temperature and incorporation of solid components. Journal of the American Ceramic Society, 2020, 103, 1615-1630. | 3.8 | 12 |
| 14 | Determination of heat conductivity of waste glass feed and its applicability for modeling the batchâ€toâ€glass conversion. Journal of the American Ceramic Society, 2017, 100, 5096-5106. | 3.8 | 11 |
| 15 | Simplified melting rate correlation for radioactive waste vitrification in electric furnaces. Journal of the American Ceramic Society, 2020, 103, 5573-5578. | 3.8 | 11 |
| 16 | Measurement of the oxygen partial pressure and thermodynamic modeling of the Uâ€“Ndâ€“O system. Journal of Nuclear Materials, 2016, 473, 272-282. | 2.7 | 10 |
| 17 | Effect of sucrose on foaming and melting behavior of a lowâ€activity waste melter feed. Journal of the American Ceramic Society, 2019, 102, 7594-7605. | 3.8 | 10 |
| 18 | Melting rate correlation with batch properties and melter operating conditions during conversion of nuclear waste melter feeds to glasses. International Journal of Applied Glass Science, 2021, 12, 398-414. | 2.0 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Effect of water vapor and thermal history on nuclear waste feed conversion to glass. International Journal of Applied Glass Science, 2021, 12, 145-157. | 2.0 | 5 |
| 20 | Effect of Al and Fe sources on conversion of high-level nuclear waste feed to glass. Journal of Nuclear Materials, 2022, 559, 153423. | 2.7 | 4 |