

Seung Min Lee

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

302
citations

840776

11
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

81
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Viscosity of glass-forming melt at the bottom of high-level waste melter feed cold caps: Effects of temperature and incorporation of solid components. Journal of the American Ceramic Society, 2020, 103, 1615-1630.	3.8	12
5	Modeling batch melting: Roles of heat transfer and reaction kinetics. Journal of the American Ceramic Society, 2020, 103, 701-718.	3.8	13
6	Simplified melting rate correlation for radioactive waste vitrification in electric furnaces. Journal of the American Ceramic Society, 2020, 103, 5573-5578.	3.8	11
7	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
8	Effect of sucrose on foaming and melting behavior of a low-activity waste melter feed. Journal of the American Ceramic Society, 2019, 102, 7594-7605.	3.8	10
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	Glass production rate in electric furnaces for radioactive waste vitrification. Journal of the American Ceramic Society, 2019, 102, 5828-5842.	3.8	18
12	Cold-cap formation from a slurry feed during nuclear waste vitrification. Ceramics International, 2019, 45, 6405-6412.	4.8	16
13	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
14	Effect of melter feed foaming on heat flux to the cold cap. Journal of Nuclear Materials, 2017, 496, 54-65.	2.7	24
15	Balance of oxygen throughout the conversion of a high-level waste melter feed to glass. Ceramics International, 2017, 43, 13113-13118.	4.8	13
16	X-ray tomography of feed-to-glass transition of simulated borosilicate waste glasses. Journal of the American Ceramic Society, 2017, 100, 3883-3894.	3.8	18
17	Determination of heat conductivity of waste glass feed and its applicability for modeling the batch-to-glass conversion. Journal of the American Ceramic Society, 2017, 100, 5096-5106.	3.8	11
18	Effects of heating rate, quartz particle size, viscosity, and form of glass additives on high-level waste melter feed volume expansion. Journal of the American Ceramic Society, 2017, 100, 583-591.	3.8	33

#	ARTICLE	IF	CITATIONS
19	Measurement of the oxygen partial pressure and thermodynamic modeling of the U-Nd-O system. Journal of Nuclear Materials, 2016, 473, 272-282.	2.7	10
20	Lattice Parameter Behavior with Different Nd and O Concentrations in (U _{1-y} Nd _y)O _{2-x} Solid Solution. Nuclear Technology, 2016, 193, 287-296.	1.2	21