Maxime Fournier

List of Publications by Year
in descending order

27	1,346	430754 18	610775 24
papers	citations	h-index	g-index

27	27	27	730
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solid sorbents for gaseous iodine capture and their conversion into stable waste forms. Journal of Nuclear Materials, 2022, 563, 153635.	1.3	14
2	Strategic Study of Thermal Treatment of European Radioactive Wastes. IOP Conference Series: Materials Science and Engineering, 2020, 818, 012002.	0.3	1
3	In-Can vitrification of ash. IOP Conference Series: Materials Science and Engineering, 2020, 818, 012005.	0.3	1
4	Incineration-vitrifÃcation of a mixture of zeolites, diatoms and ion exchange resins using the SHIVA process. IOP Conference Series: Materials Science and Engineering, 2020, 818, 012015.	0.3	1
5	Effect of pH on the stability of passivating gel layers formed on International Simple Glass. Journal of Nuclear Materials, 2019, 524, 21-38.	1.3	25
6	Comparing the reactivity of glasses with their crystalline equivalents: The case study of plagioclase feldspar. Geochimica Et Cosmochimica Acta, 2019, 254, 122-141.	1.6	27
7	Chemical durability of peraluminous glasses for nuclear waste conditioning. Npj Materials Degradation, 2018, 2, .	2.6	25
8	Structure of International Simple Glass and properties of passivating layer formed in circumneutral pH conditions. Npj Materials Degradation, 2018, 2, .	2.6	91
9	Impact of alkali on the passivation of silicate glass. Npj Materials Degradation, 2018, 2, .	2.6	42
10	Application of GRAAL model to the resumption of International Simple Glass alteration. Npj Materials Degradation, 2018, 2, .	2.6	13
11	Dynamics of self-reorganization explains passivation of silicate glasses. Nature Communications, 2018, 9, 2169.	5.8	94
12	Atom-Probe Tomography, TEM and ToF-SIMS study of borosilicate glass alteration rim: A multiscale approach to investigating rate-limiting mechanisms. Geochimica Et Cosmochimica Acta, 2017, 202, 57-76.	1.6	88
13	Influence of zeolite precipitation on borosilicate glass alteration under hyperalkaline conditions. Journal of Nuclear Materials, 2017, 491, 67-82.	1.3	20
14	Reactive Surface of Glass Particles Under Aqueous Corrosion. Procedia Earth and Planetary Science, 2017, 17, 257-260.	0.6	3
15	Modeling Resumption of Glass Alteration Due to Zeolites Precipitation. Procedia Earth and Planetary Science, 2017, 17, 340-343.	0.6	10
16	Various effects of magnetite on international simple glass (ISG) dissolution: implications for the long-term durability of nuclear glasses. Npj Materials Degradation, 2017, 1, .	2.6	57
17	Contribution of zeolite-seeded experiments to the understanding of resumption of glass alteration. Npj Materials Degradation, 2017, 1, .	2.6	47
18	Glass dissolution rate measurement and calculation revisited. Journal of Nuclear Materials, 2016, 476, 140-154.	1.3	69

#	Article	IF	Citations
19	The controversial role of inter-diffusion in glass alteration. Chemical Geology, 2016, 440, 115-123.	1.4	80
20	Structure and Chemical Durability of Lead Crystal Glass. Environmental Science & Technology, 2016, 50, 11549-11558.	4.6	24
21	The fate of silicon during glass corrosion under alkaline conditions: A mechanistic and kinetic study with the International Simple Glass. Geochimica Et Cosmochimica Acta, 2015, 151, 68-85.	1.6	165
22	Phase separation and crystallization effects on the structure and durability of molybdenum borosilicate glass. Journal of Non-Crystalline Solids, 2015, 427, 120-133.	1.5	47
23	Origin and consequences of silicate glass passivation by surface layers. Nature Communications, 2015, 6, 6360.	5.8	219
24	Resumption of Alteration at High Temperature and pH: Rates Measurements and Comparison with Initial Rates. , 2014, 7, 202-208.		34
25	Resumption of nuclear glass alteration: State of the art. Journal of Nuclear Materials, 2014, 448, 348-363.	1.3	124
26	Effect of Zeolite Formation on Borosilicate Glass Dissolution Kinetics. Procedia Earth and Planetary Science, 2013, 7, 264-267.	0.6	23
27	Development of Generic Criteria for Evaluating the Disposability of Thermally Treated Wastes. IOP Conference Series: Materials Science and Engineering, 0, 818, 012013.	0.3	2