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List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2645070/publications.pdf

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34	884	394421	454955
papers	citations	19 h-index	30 g-index

36	36	36	787
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elemental and isotopic (29Si and 18O) tracing of glass alteration mechanisms. Geochimica Et Cosmochimica Acta, 2010, 74, 3412-3431.	3.9	103
2	A fractured roman glass block altered for 1800 years in seawater: Analogy with nuclear waste glass in a deep geological repository. Geochimica Et Cosmochimica Acta, 2008, 72, 5372-5385.	3.9	75
3	Experimental determination of the role of diffusion on Li isotope fractionation during basaltic glass weathering. Geochimica Et Cosmochimica Acta, 2011, 75, 3452-3468.	3.9	74
4	Long-term modeling of alteration-transport coupling: Application to a fractured Roman glass. Geochimica Et Cosmochimica Acta, 2010, 74, 2291-2315.	3.9	69
5	Characterisation of complex alteration layers in medieval glasses. Corrosion Science, 2013, 72, 10-19.	6.6	61
6	The use of natural and archeological analogues for understanding the long-term behavior of nuclear glasses. Comptes Rendus - Geoscience, 2011, 343, 237-245.	1.2	56
7	Archaeological analogs and the future of nuclear waste glass. Journal of Nuclear Materials, 2010, 406, 365-370.	2.7	38
8	Bioalteration of synthetic Fe(III)-, Fe(II)-bearing basaltic glasses and Fe-free glass in the presence of the heterotrophic bacteria strain Pseudomonas aeruginosa: Impact of siderophores. Geochimica Et Cosmochimica Acta, 2016, 188, 147-162.	3.9	36
9	Lithium isotopes in hydrothermally altered basalts from Hengill (SW Iceland). Earth and Planetary Science Letters, 2015, 411, 62-71.	4.4	32
10	Long term exposure of self-cleaning and reference glass in an urban environment: A comparative assessment. Building and Environment, 2014, 79, 57-65.	6.9	25
11	Enhanced dissolution of basaltic glass in brackish waters: Impact on biogeochemical cycles. Earth and Planetary Science Letters, 2015, 417, 1-8.	4.4	25
12	Effect of marine aerosols on the alteration of silicate glasses. Journal of Non-Crystalline Solids, 2017, 471, 328-337.	3.1	25
13	ICP Materials Trends in Corrosion, Soiling and Air Pollution (1987â€“2014). Materials, 2017, 10, 969.	2.9	24
14	Physico-chemical characterisation of glass soiling in rural, urban and industrial environments. Environmental Science and Pollution Research, 2014, 21, 9251-9258.	5.3	22
15	Role of secondary phases in the scaling of stained glass windows exposed to rain. Corrosion Science, 2016, 109, 206-216.	6.6	22
16	Impact of neocrystallisations on the SiO2â€“K2Oâ€“CaO glass degradation due to atmospheric dry depositions. Atmospheric Environment, 2012, 55, 459-466.	4.1	21
17	Impact of iron chelators on short-term dissolution of basaltic glass. Geochimica Et Cosmochimica Acta, 2015, 162, 83-98.	3.9	20
18	Understanding the mechanisms of Siâ€“Kâ€“Ca glass alteration using silicon isotopes. Geochimica Et Cosmochimica Acta, 2017, 203, 404-421.	3.9	20

#	Article	IF	Citations
19	Long-term weathering rate of stained-glass windows using H and O isotopes. Npj Materials Degradation, 2018, 2, .	5.8	20
20	Predicting the soiling of modern glass in urban environments: A new physically-based model. Atmospheric Environment, 2012, 60, 348-357.	4.1	15
21	Weathering of limestone after several decades in an urban environment. Corrosion Science, 2016, 111, 742-752.	6.6	15
22	Direct and indirect impact of the bacterial strain Pseudomonas aeruginosa on the dissolution of synthetic Fe(III)- and Fe(II)-bearing basaltic glasses. Chemical Geology, 2019, 523, 9-18.	3.3	14
23	Predicting changes of glass optical properties in polluted atmospheric environment by a neural network model. Atmospheric Environment, 2012, 54, 141-148.	4.1	13
24	Alteration rate of medieval potash-lime silicate glass as a function of pH and temperature: A low pH-dependent dissolution. Chemical Geology, 2020, 550, 119704.	3.3	12
25	Cleaning Costs for European Sheltered White Painted Steel and Modern Glass Surfaces Due to Air Pollution Since the Year 2000. Atmosphere, 2019, 10, 167.	2.3	11
26	Use of Hydrogen Isotopes to Understand Stained Glass Weathering. Procedia Earth and Planetary Science, 2015, 13, 64-67.	0.6	9
27	Effect of surface roughness on medieval-type glass alteration in aqueous medium. Journal of Non-Crystalline Solids, 2019, 505, 260-271.	3.1	9
28	Alteration of potash-lime silicate glass in atmospheric medium: study of mechanisms and kinetics using 18O and D isotopes. Journal of Non-Crystalline Solids, 2021, 570, 121020.	3.1	5
29	Impact of biogenic exudates on the dissolution and browning of stained glass windows. International Biodeterioration and Biodegradation, 2022, 173, 105442.	3.9	5
30	Water Transport within Ancient Stained Glass Alteration Layer using Oxygen Isotopes. Procedia Earth and Planetary Science, 2017, 17, 814-817.	0.6	4
31	Multiscale characterization of limestone used on monuments of cultural heritage. Materials Research Society Symposia Proceedings, 2017, 1656, 309-317.	0.1	3
32	Reactivity of secondary phases in weathered limestone using isotopic tracers (D and 18O). Environmental Science and Pollution Research, 2021, 28, 2810-2821.	5.3	1
33	Ubiquitous presence of laminae in altered layers of glass artefacts. , 2012, , .		0
34	Role of Weathering Layers on the Alteration Kinetics of Medieval Stained Glass in an Atmospheric Medium. Materials Research Society Symposia Proceedings, 2017, 1656, 175-186.	0.1	0