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List of Publications by Year
in descending order

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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	Impact of biogenic exudates on the dissolution and browning of stained glass windows. International Biodeterioration and Biodegradation, 2022, 173, 105442.	3.9	5
2	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
3	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
4	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
5	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
6	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
7	Effect of surface roughness on medieval-type glass alteration in aqueous medium. Journal of Non-Crystalline Solids, 2019, 505, 260-271.	3.1	9
8	Long-term weathering rate of stained-glass windows using H and O isotopes. Npj Materials Degradation, 2018, 2, .	5.8	20
9	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
10	Multiscale characterization of limestone used on monuments of cultural heritage. Materials Research Society Symposia Proceedings, 2017, 1656, 309-317.	0.1	3
11	Effect of marine aerosols on the alteration of silicate glasses. Journal of Non-Crystalline Solids, 2017, 471, 328-337.	3.1	25
12	Water Transport within Ancient Stained Glass Alteration Layer using Oxygen Isotopes. Procedia Earth and Planetary Science, 2017, 17, 814-817.	0.6	4
13	Understanding the mechanisms of Siâ€“Kâ€“Ca glass alteration using silicon isotopes. Geochimica Et Cosmochimica Acta, 2017, 203, 404-421.	3.9	20
14	ICP Materials Trends in Corrosion, Soiling and Air Pollution (1987â€“2014). Materials, 2017, 10, 969.	2.9	24
15	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
16	Role of secondary phases in the scaling of stained glass windows exposed to rain. Corrosion Science, 2016, 109, 206-216.	6.6	22
17	Weathering of limestone after several decades in an urban environment. Corrosion Science, 2016, 111, 742-752.	6.6	15
18	Use of Hydrogen Isotopes to Understand Stained Glass Weathering. Procedia Earth and Planetary Science, 2015, 13, 64-67.	0.6	9

#	Article	IF	Citations
19	Impact of iron chelators on short-term dissolution of basaltic glass. Geochimica Et Cosmochimica Acta, 2015, 162, 83-98.	3.9	20
20	Enhanced dissolution of basaltic glass in brackish waters: Impact on biogeochemical cycles. Earth and Planetary Science Letters, 2015, 417, 1-8.	4.4	25
21	Lithium isotopes in hydrothermally altered basalts from Hengill (SW Iceland). Earth and Planetary Science Letters, 2015, 411, 62-71.	4.4	32
22	Physico-chemical characterisation of glass soiling in rural, urban and industrial environments. Environmental Science and Pollution Research, 2014, 21, 9251-9258.	5.3	22
23	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
24	Characterisation of complex alteration layers in medieval glasses. Corrosion Science, 2013, 72, 10-19.	6.6	61
25	Ubiquitous presence of laminae in altered layers of glass artefacts. , 2012, , .		0
26	Predicting the soiling of modern glass in urban environments: A new physically-based model. Atmospheric Environment, 2012, 60, 348-357.	4.1	15
27	Predicting changes of glass optical properties in polluted atmospheric environment by a neural network model. Atmospheric Environment, 2012, 54, 141-148.	4.1	13
28	Impact of neocrystallisations on the SiO2â€“K2Oâ€“CaO glass degradation due to atmospheric dry depositions. Atmospheric Environment, 2012, 55, 459-466.	4.1	21
29	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
30	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
31	Archaeological analogs and the future of nuclear waste glass. Journal of Nuclear Materials, 2010, 406, 365-370.	2.7	38
32	Long-term modeling of alteration-transport coupling: Application to a fractured Roman glass. Geochimica Et Cosmochimica Acta, 2010, 74, 2291-2315.	3.9	69
33	Elemental and isotopic (29Si and 18O) tracing of glass alteration mechanisms. Geochimica Et Cosmochimica Acta, 2010, 74, 3412-3431.	3.9	103
34	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