David M. Freire

List of Publications by Year
in descending order

25	583	840776 11	713466 21
papers	citations	h-index	g-index

33	33	33	473
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal stress-induced microcracking in building granite. Engineering Geology, 2016, 206, 83-93.	6.3	147
2	Freezeâ€“thaw fracturing in building granites. Cold Regions Science and Technology, 2015, 113, 40-51.	3.5	115
3	Exfoliation microcracks in building granite. Implications for anisotropy. Engineering Geology, 2017, 220, 85-93.	6.3	54
4	Evolution in the use of natural building stone in Madrid, Spain. Quarterly Journal of Engineering Geology and Hydrogeology, 2013, 46, 421-429.	1.4	46
5	Historical City Centres and Traditional Building Stones as Heritage: Barrio de las Letras, Madrid (Spain). Geoheritage, 2019, 11, 71-85.	2.8	29
6	Ghaleh-khargushi rhyodacite and Gorid andesite from Iran: characterization, uses, and durability. Environmental Earth Sciences, 2018, 77, 1.	2.7	25
7	Artificial microcracking of granites subjected to salt crystallization aging test. Bulletin of Engineering Geology and the Environment, 2020, 79, 5499-5515.	3.5	22
8	The Forerunners on Heritage Stones Investigation: Historical Synthesis and Evolution. Heritage, 2021, 4, 1228-1268.	1.9	20
9	Discovery, mapping and interpretation of buried cultural resources non-invasively with ground-penetrating radar. Journal of Geophysics and Engineering, 2011, 8, S13-S22.	1.4	18
10	Petrographic and petrophysical characterisation and structural function of the heritage stones in Fuwairit Archaeological Site (NE Qatar): implications for heritage conservation. Episodes, 2021, 44, 43-58.	1.2	17
11	Causes of scaling on bush-hammered heritage ashlars: a case studyâ€”Plaza Mayor of Madrid (Spain). Environmental Earth Sciences, 2016, 75, 1.	2.7	15
12	Historical Quarries, Decay and Petrophysical Properties of Carbonate Stones Used in the Historical Center of Madrid (Spain). AIMS Geosciences, 2017, 3, 284-303.	1.0	10
13	The historical quarry of pena (Vila Real, north of Portugal): Associated cultural heritage and reuse as a geotourism resource. Resources Policy, 2022, 75, 102528.	9.6	9
14	Strength anisotropy in building granites. International Journal of Architectural Heritage, 2017, , 1-13.	3.1	8
15	Heritage Stone 4. The Piedra BerroqueÃ±a Region: Candidacy for Global Heritage Stone Province Status. Geoscience Canada, 2016, 43, 43.	0.8	8
16	Rare Biogeochemical Phenomenon Associated to Manganese Patinas on Mural Painting and Granite Ashlars. Coatings, 2021, 11, 917.	2.6	6
17	Nomination of Zarzalejo Granite, a Spanish Heritage Building Stone, as a â€œGlobal Heritage Stone Resourceâ€• Energy Procedia, 2015, 76, 642-651.	1.8	4
18	San Pedro Leucogranite from a CoruÃ±a, Northwest of Spain: Uses of a Heritage Stone. Energy Procedia, 2016, 97, 554-561.	1.8	4

#	Article	IF	Citations
19	Estimating compressive and flexural strength of travertines with respect to laminae-orientation by geomechanical properties. Bulletin of Engineering Geology and the Environment, 2019, 78, 1451-1470.	3.5	4
20	Geotourism from Fuente de Cibeles of Madrid. History, Building Stones and Quarries. Cadernos Do Laboratorio Xeoloxico De Laxe, 0, 42, 69-94.	0.0	4
21	Cadalso de los Vidrios leucogranite â€˜Blanco Cristalâ€™: a widely used heritage stone from Spain. Geological Society Special Publication, 2020, 486, 53-65.	1.3	3
22	Stone provenance and conservation of the Trinitarias Descalzas of San Ildefonso convent, Madrid (Spain). Ge-Conservacion, 0, 11, 25-33.	0.2	3
23	Multi-Analysis Characterisation of a Vernacular House in Doha (Qatar): Petrography and Petrophysics of its Construction Materials. Minerals (Basel, Switzerland), 2019, 9, 241.	2.0	2
24	Gypsum Decay Simulation: Risco de las Cuevas Case Study, Madrid, Spain. , 2015, , 491-494.		1
25	ComparaciÃ³n de propiedades petrogrÃ¡ficas y petrofÃsicas de tres fragmentos escultÃ³ricos para determinar su pertenencia al sepulcro de Nuno Freire de Andrade II (siglo XIV). Cadernos Do Laboratorio Xeoloxico De Laxe, 0, 40, 215-227.	0.0	0