

Marie D Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,580
citations

623734

14
h-index

677142

22
g-index

33
all docs

33
docs citations

33
times ranked

1226
citing authors

#	ARTICLE	IF	CITATIONS
1	High-volume natural volcanic pozzolan and limestone powder as partial replacements for portland cement in self-compacting and sustainable concrete. <i>Cement and Concrete Composites</i> , 2014, 45, 136-147.	10.7	214
2	Mechanical resilience and cementitious processes in Imperial Roman architectural mortar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18484-18489.	7.1	163
3	Phillipsite and Al-tobermorite mineral cements produced through low-temperature water-rock reactions in Roman marine concrete. <i>American Mineralogist</i> , 2017, 102, 1435-1450.	1.9	140
4	Unlocking the secrets of Al-tobermorite in Roman seawater concrete. <i>American Mineralogist</i> , 2013, 98, 1669-1687.	1.9	133
5	The laccolith-stock controversy: New results from the southern Henry Mountains, Utah. <i>Bulletin of the Geological Society of America</i> , 1988, 100, 117-139.	3.3	132
6	Material and Elastic Properties of Al-tobermorite in Ancient Roman Seawater Concrete. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2598-2606.	3.8	106
7	High Temperature Dikes in Peridotites: Origin by Hydraulic Fracturing. <i>Journal of Petrology</i> , 1982, 23, 568-582.	2.8	102
8	Mid-Pleistocene pozzolanic volcanic ash in ancient Roman concretes. <i>Geoarchaeology - an International Journal</i> , 2010, 25, 36-74.	1.5	72
9	Material characteristics of ancient Chinese lime binder and experimental reproductions with organic admixtures. <i>Construction and Building Materials</i> , 2015, 84, 477-488.	7.2	69
10	Flexure and faulting of sedimentary host rocks during growth of igneous domes, Henry Mountains, Utah. <i>Journal of Structural Geology</i> , 1990, 12, 185-206.	2.3	66
11	THE JUDICIOUS SELECTION AND PRESERVATION OF TUFF AND TRAVERTINE BUILDING STONE IN ANCIENT ROME*. <i>Archaeometry</i> , 2005, 47, 485-510.	1.3	64
12	Assessment of material characteristics of ancient concretes, Grande Aula, Markets of Trajan, Rome. <i>Journal of Archaeological Science</i> , 2009, 36, 2481-2492.	2.4	62
13	BUILDING MATERIALS OF THE THEATRE OF MARCELLUS, ROME*. <i>Archaeometry</i> , 2011, 53, 728-742.	1.3	25
14	Cement Microstructures and Durability in Ancient Roman Seawater Concretes. <i>RILEM Bookseries</i> , 2012, , 49-76.	0.4	17
15	SUSTAIN drilling at Surtsey volcano, Iceland, tracks hydrothermal and microbiological interactions in basalt 50 years after eruption. <i>Scientific Drilling</i> , 0, 25, 35-46.	0.6	16
16	Alteration progress within the Surtsey hydrothermal system, SW Iceland – A time-lapse petrographic study of cores drilled in 1979 and 2017. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 392, 106754.	2.1	14
17	Time-lapse characterization of hydrothermal seawater and microbial interactions with basaltic tephra at Surtsey Volcano. <i>Scientific Drilling</i> , 0, 20, 51-58.	0.6	14
18	The fracture toughness of an Imperial Roman mortar. <i>Engineering Fracture Mechanics</i> , 2013, 102, 65-76.	4.3	11

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19	The Surtsey volcano geothermal system: An analogue for seawater-oceanic crust interaction with implications for the elemental budget of the oceanic crust. <i>Chemical Geology</i> , 2020, 550, 119702.	3.3	11
20	Authigenic Mineral Texture in Submarine 1979 Basalt Drill Core, Surtsey Volcano, Iceland. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 3751-3773.	2.5	10
21	Reactive binder and aggregate interfacial zones in the mortar of Tomb of Caecilia Metella concrete, 1C BCE, Rome. <i>Journal of the American Ceramic Society</i> , 2022, 105, 1503-1518.	3.8	10
22	Design of the subsurface observatory at Surtsey volcano, Iceland. <i>Scientific Drilling</i> , 0, 25, 57-62.	0.6	3
23	The laccolith-stock controversy: New results from the southern Henry Mountains, Utah: Discussion and reply. <i>Bulletin of the Geological Society of America</i> , 1988, 100, 1657-1659.	3.3	2
24	New Proposed Drilling at Surtsey Volcano, Iceland. <i>Eos</i> , 2014, 95, 488-488.	0.1	2
25	Extension and contraction of faulted marker planes. <i>Geology</i> , 1985, 13, 569.	4.4	1
26	Innovative Experimentation on Ancient Material: Exploring the Fracture of Imperial Roman Concrete. , 2010, , .		0