

Natalia I Deligne

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,063
citations

516710

16
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1284
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen incorporation in olivine from 2-12 GPa. <i>American Mineralogist</i> , 2006, 91, 285-294.	1.9	194
2	Global database on large magnitude explosive volcanic eruptions (LaMEVE). <i>Journal of Applied Volcanology</i> , 2012, 1, .	2.0	157
3	Volcanic hazard impacts to critical infrastructure: A review. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 286, 148-182.	2.1	152
4	“You are HERE”: Connecting the dots with airborne lidar for geomorphic fieldwork. <i>Geomorphology</i> , 2013, 200, 172-183.	2.6	112
5	Characterisation of the Quaternary eruption record: analysis of the Large Magnitude Explosive Volcanic Eruptions (LaMEVE) database. <i>Journal of Applied Volcanology</i> , 2014, 3, .	2.0	91
6	Investigating the consequences of urban volcanism using a scenario approach I: Development and application of a hypothetical eruption in the Auckland Volcanic Field, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 336, 192-208.	2.1	35
7	Framework for developing volcanic fragility and vulnerability functions for critical infrastructure. <i>Journal of Applied Volcanology</i> , 2017, 6, .	2.0	33
8	Developing a suite of multi-hazard volcanic eruption scenarios using an interdisciplinary approach. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 392, 106763.	2.1	31
9	Impact of Volcanic Ash on Road and Airfield Surface Skid Resistance. <i>Sustainability</i> , 2017, 9, 1389.	3.2	27
10	Bayesian Network Modeling and Expert Elicitation for Probabilistic Eruption Forecasting: Pilot Study for Whakaari/White Island, New Zealand. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	25
11	Investigating the consequences of urban volcanism using a scenario approach II: Insights into transportation network damage and functionality. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 340, 92-116.	2.1	24
12	Evaluating life-safety risk for fieldwork on active volcanoes: the volcano life risk estimator (VolREst), a volcano observatory’s decision-support tool. <i>Journal of Applied Volcanology</i> , 2018, 7, .	2.0	23
13	A model to assess tephra clean-up requirements in urban environments. <i>Journal of Applied Volcanology</i> , 2017, 6, .	2.0	22
14	Timber-framed building damage from tephra fall and lahar: 2015 Calbuco eruption, Chile. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 374, 142-159.	2.1	22
15	After the lava flow: The importance of external soil sources for plant colonization of recent lava flows in the central Oregon Cascades, USA. <i>Geomorphology</i> , 2013, 202, 15-32.	2.6	20
16	Evaluating the impacts of volcanic eruptions using RiskScope. <i>Journal of Applied Volcanology</i> , 2017, 6, .	2.0	20
17	Volcanic ashfall preparedness poster series: a collaborative process for reducing the vulnerability of critical infrastructure. <i>Journal of Applied Volcanology</i> , 2014, 3, .	2.0	19
18	Assessing urban disaster waste management requirements after volcanic eruptions. <i>International Journal of Disaster Risk Reduction</i> , 2021, 52, 101935.	3.9	10

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19	Holocene volcanism of the upper McKenzie River catchment, central Oregon Cascades, USA. Bulletin of the Geological Society of America, 2016, 128, 1618-1635.	3.3	9
20	Tephra clean-up after the 2015 eruption of Calbuco volcano, Chile: a quantitative geospatial assessment in four communities. Journal of Applied Volcanology, 2019, 8, .	2.0	7
21	From anecdotes to quantification: advances in characterizing volcanic eruption impacts on the built environment. Bulletin of Volcanology, 2022, 84, 1.	3.0	7
22	Thermal impacts of basaltic lava flows to buried infrastructure: workflow to determine the hazard. Journal of Applied Volcanology, 2020, 9, .	2.0	6
23	The influence of surficial features in lava flow modelling. Journal of Applied Volcanology, 2020, 9, .	2.0	4
24	Fire and water_{title>Volcanology, geomorphology, and hydrogeology of the Cascade Range, central Oregon}. , 2009, , .		4
25	Conceptual Development of a National Volcanic Hazard Model for New Zealand. Frontiers in Earth Science, 2017, 5, .	1.8	3