

Susanna F Jenkins

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,620
citations

430442

18
h-index

377514

34
g-index

62
all docs

62
docs citations

62
times ranked

1338
citing authors

#	ARTICLE	IF	CITATIONS
1	Paroxysmal dome explosion during the Merapi 2010 eruption: Processes and facies relationships of associated high-energy pyroclastic density currents. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 261, 260-294.	0.8	144
2	Review article: Natural hazard risk assessments at the global scale. <i>Natural Hazards and Earth System Sciences</i> , 2020, 20, 1069-1096.	1.5	132
3	The Merapi 2010 eruption: An interdisciplinary impact assessment methodology for studying pyroclastic density current dynamics. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 261, 316-329.	0.8	121
4	Volcanic fatalities database: analysis of volcanic threat with distance and victim classification. <i>Journal of Applied Volcanology</i> , 2017, 6, .	0.7	117
5	Volcanic risk assessment: Quantifying physical vulnerability in the built environment. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 276, 105-120.	0.8	112
6	Global Volcanic Hazards and Risk. , 2015, , .		81
7	Volcanic ash fall hazard and risk. , 2015, , 173-222.		68
8	Regional ash fall hazard I: a probabilistic assessment methodology. <i>Bulletin of Volcanology</i> , 2012, 74, 1699-1712.	1.1	62
9	Damage from lava flows: insights from the 2014-2015 eruption of Fogo, Cape Verde. <i>Journal of Applied Volcanology</i> , 2017, 6, .	0.7	58
10	Global volcanic hazard and risk. , 2015, , 81-172.		52
11	Developing building-damage scales for lahars: application to Merapi volcano, Indonesia. <i>Bulletin of Volcanology</i> , 2015, 77, 1.	1.1	41
12	Human survival in volcanic eruptions: Thermal injuries in pyroclastic surges, their causes, prognosis and emergency management. <i>Burns</i> , 2017, 43, 1051-1069.	1.1	41
13	Populations around Holocene volcanoes and development of a Population Exposure Index. , 2015, , 223-232.		32
14	Agricultural impact assessment and management after three widespread tephra falls in Patagonia, South America. <i>Natural Hazards</i> , 2016, 82, 1167-1229.	1.6	32
15	Multi-stage volcanic events: A statistical investigation. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 161, 275-288.	0.8	31
16	Intra-eruption forecasting. <i>Bulletin of Volcanology</i> , 2019, 81, 1.	1.1	27
17	Rapid emergency assessment of ash and gas hazard for future eruptions at Santorini Volcano, Greece. <i>Journal of Applied Volcanology</i> , 2015, 4, .	0.7	24
18	Remotely assessing tephra fall building damage and vulnerability: Kelud Volcano, Indonesia. <i>Journal of Applied Volcanology</i> , 2020, 9, .	0.7	24

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19	Meteorological Controls on Local and Regional Volcanic Ash Dispersal. <i>Scientific Reports</i> , 2018, 8, 6873.	1.6	23
20	Regional ash fall hazard II: Asia-Pacific modelling results and implications. <i>Bulletin of Volcanology</i> , 2012, 74, 1713-1727.	1.1	22
21	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.	0.8	22
22	Impacts from Volcanic Ash Fall. , 2015, , 47-86.		21
23	Statistical analysis of dispersal and deposition patterns of volcanic emissions from Mt. Sakurajima, Japan. <i>Atmospheric Environment</i> , 2018, 179, 305-320.	1.9	21
24	From eruption scenarios to probabilistic volcanic hazard analysis: An example of the Auckland Volcanic Field, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 397, 106871.	0.8	21
25	Modeling Downward Counterfactual Events: Unrealized Disasters and why they Matter. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	19
26	Very rapid cooling of the energetic pyroclastic density currents associated with the 5 November 2010 Merapi eruption (Indonesia). <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 1-12.	0.8	17
27	Estimating building vulnerability to volcanic ash fall for insurance and other purposes. <i>Journal of Applied Volcanology</i> , 2017, 6, .	0.7	16
28	Tephra cushioning of ballistic impacts: Quantifying building vulnerability through pneumatic cannon experiments and multiple fragility curve fitting approaches. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 388, 106711.	0.8	13
29	The hazards of unconfined pyroclastic density currents: A new synthesis and classification according to their deposits, dynamics, and thermal and impact characteristics. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 421, 107429.	0.8	13
30	Damage assessment for the 2018 lower East Rift Zone lava flows of K��lauea volcano, Hawai��i. <i>Bulletin of Volcanology</i> , 2022, 84, .	1.1	13
31	Development of a new global Volcanic Hazard Index (VHI). , 2015, , 349-358.		12
32	Challenges of Volcanic Crises on Small Islands States. <i>Advances in Volcanology</i> , 2016, , 353-371.	0.7	12
33	The Millennium Eruption of Changbaishan Tianchi Volcano is VEI 6, not 7. <i>Bulletin of Volcanology</i> , 2021, 83, 1.	1.1	12
34	Evaluating and ranking Southeast Asia's exposure to explosive volcanic hazards. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 1233-1265.	1.5	12
35	Multistage volcanic events: Tephra hazard simulations for the Okataina Volcanic Center, New Zealand. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	11
36	Data schemas for multiple hazards, exposure and vulnerability. <i>Disaster Prevention and Management</i> , 2019, 28, 752-763.	0.6	10

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37	Tsunami damage to ports: cataloguing damage to create fragility functions from the 2011 Tohoku event. <i>Natural Hazards and Earth System Sciences</i> , 2021, 21, 1887-1908.	1.5	10
38	Global distribution of volcanic threat. , 0, , 359-370.		9
39	Evaluating relative tephra fall hazard and risk in the Asia-Pacific region. , 2018, 14, 492-509.		9
40	How rainfall influences tephra fall loading – an experimental approach. <i>Bulletin of Volcanology</i> , 2021, 83, 1.	1.1	9
41	Volcanic ash fall impacts. , 2015, , 281-288.		8
42	Forecasting explosion repose intervals with a non-parametric Bayesian survival model: Application to Sakura-jima volcano, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 381, 44-56.	0.8	8
43	New insights into source and dispersal of Mediterranean S1 tephra, an early Holocene marker horizon erupted at Mt. Erciyes (Turkey). <i>Quaternary Science Reviews</i> , 2020, 249, 106606.	1.4	7
44	Tephra deposit inversion by coupling Tephra2 with the Metropolis-Hastings algorithm: algorithm introduction and demonstration with synthetic datasets. <i>Journal of Applied Volcanology</i> , 2021, 10, .	0.7	7
45	From anecdotes to quantification: advances in characterizing volcanic eruption impacts on the built environment. <i>Bulletin of Volcanology</i> , 2022, 84, 1.	1.1	7
46	Filling the Disaster Data Gap: Lessons from Cataloging Singapore's Past Disasters. <i>International Journal of Disaster Risk Science</i> , 2021, 12, 188-204.	1.3	6
47	Eruptive style controls the formation of silicon hexafluoride salts on volcanic ash: The case of the 2010 eruption of Eyjafjallajökull volcano, Iceland. <i>Chemical Geology</i> , 2021, 579, 120327.	1.4	6
48	Asia's looming Black Elephant events. <i>Communications Earth & Environment</i> , 2021, 2, .	2.6	6
49	Reconstructing eruptions at a data limited volcano: A case study at Gede (West Java). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 418, 107325.	0.8	5
50	Integrating criticality concepts into road network disruption assessments for volcanic eruptions. <i>Journal of Applied Volcanology</i> , 2022, 11, .	0.7	5
51	Remote sensing of volcanic impacts. , 2021, , 473-491.		4
52	Assessing volcanic hazard and exposure to lava flows at remote volcanic fields: a case study from the Bolaven Volcanic Field, Laos. <i>Journal of Applied Volcanology</i> , 2022, 11, .	0.7	4
53	Intra-Eruption Forecasting Using Analogue Volcano and Eruption Sets. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	4
54	Large Uncertainties Are Pervasive in Long-Term Frequency-Magnitude Relationships for Volcanoes in Southeast Asia. <i>Frontiers in Earth Science</i> , 0, 10, .	0.8	3

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55	Reconstructing eruptions from historical accounts: Makaturing c. 1765, Philippines. Journal of Volcanology and Geothermal Research, 2020, 404, 107022.	0.8	2
56	Extreme Volcanic Risks 1. , 2015, , 315-354.		1
57	Real-Time Tephra Detection and Dispersal Forecasting by a Ground-Based Weather Radar. Remote Sensing, 2021, 13, 5174.	1.8	1
58	Review article: Natural hazard risk assessments at the global scale. , 0, , .		0