

Lauren R Marshall

List of Publications by Year in descending order

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papers

455
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687363

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1058476

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docs citations

33
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627
citing authors

#	ARTICLE	IF	CITATIONS
1	The Model Intercomparison Project on the climatic response to Volcanic forcing (VolMIP): experimental design and forcing input data for CMIP6. <i>Geoscientific Model Development</i> , 2016, 9, 2701-2719.	3.6	138
2	Multi-model comparison of the volcanic sulfate deposition from the 1815 eruption of Mt.ÂTambora. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2307-2328.	4.9	41
3	Exploring How Eruption Source Parameters Affect Volcanic Radiative Forcing Using Statistical Emulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 964-985.	3.3	40
4	Climate change modulates the stratospheric volcanic sulfate aerosol lifecycle and radiative forcing from tropical eruptions. <i>Nature Communications</i> , 2021, 12, 4708.	12.8	35
5	Model physics and chemistry causing intermodel disagreement within the VolMIP-Tambora Interactive Stratospheric Aerosol ensemble. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3317-3343.	4.9	33
6	Volcanic effects on climate: recent advances and future avenues. <i>Bulletin of Volcanology</i> , 2022, 84, .	3.0	32
7	Evaluating the simulated radiative forcings, aerosol properties, and stratospheric warmings from the 1963 Mt Agung, 1982 El ChichÃ³n, and 1991 Mt Pinatubo volcanic aerosol clouds. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13627-13654.	4.9	22
8	Effects of forcing differences and initial conditions on inter-model agreement in the VolMIP volc-pinatubo-full experiment. <i>Geoscientific Model Development</i> , 2022, 15, 2265-2292.	3.6	22
9	Co-emission of volcanic sulfur and halogens amplifies volcanic effective radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9009-9029.	4.9	17
10	Meteoric Smoke Deposition in the Polar Regions: A Comparison of Measurements With Global Atmospheric Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,112.	3.3	16
11	A New Volcanic Stratospheric Sulfate Aerosol Forcing Emulator (EVA_H): Comparison With Interactive Stratospheric Aerosol Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031303.	3.3	15
12	Reconciling the climate and ozone response to the 1257 CE Mount Samalas eruption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26651-26659.	7.1	15
13	Large Variations in Volcanic Aerosol Forcing Efficiency Due to Eruption Source Parameters and Rapid Adjustments. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090241.	4.0	15
14	Unknown Eruption Source Parameters Cause Large Uncertainty in Historical Volcanic Radiative Forcing Reconstructions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033578.	3.3	9