Sylvia C Sullivan

List of Publications by Year
in descending order

17 papers	667 citations	840776 11 h-index	888059 17 g-index
34 all docs	34 docs citations	34 times ranked	988 citing authors

#	Article	IF	Citations
1	Does the Hook Structure Constrain Future Flood Intensification Under Anthropogenic Climate Warming?. Water Resources Research, 2021, 57, e2020WR028491.	4.2	78
2	Cold cloud microphysical process rates in a global chemistryâ€“climate model. Atmospheric Chemistry and Physics, 2021, 21, 1485-1505.	4.9	7
3	Ice microphysical processes exert a strong control on the simulated radiative energy budget in the tropics. Communications Earth & Environment, 2021, 2, .	6.8	5
4	Changes in Tropical Precipitation Intensity With El NiÃ±o Warming. Geophysical Research Letters, 2020, 47, e2020GL087663.	4.0	7
5	The impact of secondary ice production on Arctic stratocumulus. Atmospheric Chemistry and Physics, 2020, 20, 1301-1316.	4.9	42
6	Projected increases in magnitude and socioeconomic exposure of global droughts in 1.5Âand 2â€‰Â°C warmer climates. Hydrology and Earth System Sciences, 2020, 24, 451-472.	4.9	69
7	Environmental Controls on Tropical Mesoscale Convective System Precipitation Intensity. Journals of the Atmospheric Sciences, 2020, 77, 4233-4249.	1.7	12
8	The Response of Tropical Organized Convection to El NiÃ±o Warming. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8481-8500.	3.3	12
9	Reply to â€˜Increases in temperature do not translate to increased floodingâ€™. Nature Communications, 2019, 10, 5675.	12.8	10
10	Initiation of secondary ice production in clouds. Atmospheric Chemistry and Physics, 2018, 18, 1593-1610.	4.9	53
11	The effect of secondary ice production parameterization on the simulation of a cold frontal rainband. Atmospheric Chemistry and Physics, 2018, 18, 16461-16480.	4.9	19
12	Implementation of a comprehensive ice crystal formation parameterization for cirrus and mixed-phase clouds in the EMAC model (based on MESSy 2.53). Geoscientific Model Development, 2018, 11, 4021-4041.	3.6	12
13	Large increase in global storm runoff extremes driven by climate and anthropogenic changes. Nature Communications, 2018, 9, 4389.	12.8	260
14	Investigating the contribution of secondary ice production to inâ€cloud ice crystal numbers. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9391-9412.	3.3	22
15	Role of updraft velocity in temporal variability of global cloud hydrometeor number. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5791-5796.	7.1	38
16	Understanding cirrus ice crystal number variability for different heterogeneous ice nucleation spectra. Atmospheric Chemistry and Physics, 2016, 16, 2611-2629.	4.9	12
17	Quantifying sensitivities of ice crystal number and sources of ice crystal number variability in CAM 5.1 using the adjoint of a physically based cirrus formation parameterization. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2834-2854.	3.3	6