

Daniel A Rothenberg

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

798
citations

759233

12
h-index

996975

15
g-index

30
all docs

30
docs citations

30
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Observed 20th century desert dust variability: impact on climate and biogeochemistry. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10875-10893.	4.9	355
2	The Fifth International Workshop on Ice Nucleation phase 2 (FIN-02): laboratory intercomparison of ice nucleation measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6231-6257.	3.1	82
3	Assessing the impacts of seasonal and vertical atmospheric conditions on air quality over the Pearl River Delta region. <i>Atmospheric Environment</i> , 2018, 180, 69-78.	4.1	53
4	Desert dust and anthropogenic aerosol interactions in the Community Climate System Model coupled-carbon-climate model. <i>Biogeosciences</i> , 2011, 8, 387-414.	3.3	47
5	Health co-benefits of sub-national renewable energy policy in the US. <i>Environmental Research Letters</i> , 2019, 14, 085012.	5.2	45
6	Uncertainty in counting ice nucleating particles with continuous flow diffusion chambers. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10855-10864.	4.9	36
7	Projecting the impacts of atmospheric conditions under climate change on air quality over the Pearl River Delta region. <i>Atmospheric Environment</i> , 2018, 193, 79-87.	4.1	35
8	New particle formation and its effect on cloud condensation nuclei abundance in the summer Arctic: a case study in the Fram Strait and Barents Sea. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 14339-14364.	4.9	29
9	Metamodeling of Droplet Activation for Global Climate Models. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 1255-1272.	1.7	27
10	On the representation of aerosol activation and its influence on model-derived estimates of the aerosol indirect effect. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7961-7983.	4.9	23
11	Effective radiative forcing in the aerosol-climate model CAM5.3-MARC-ARG. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15783-15810.	4.9	17
12	Impacts on cloud radiative effects induced by coexisting aerosols converted from international shipping and maritime DMS emissions. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16793-16808.	4.9	16
13	Physically regularized machine learning emulators of aerosol activation. <i>Geoscientific Model Development</i> , 2021, 14, 3067-3077.	3.6	10
14	An aerosol activation metamodel of v1.2.0 of the pyrrel cloud parcel model: development and offline assessment for use in an aerosol-climate model. <i>Geoscientific Model Development</i> , 2017, 10, 1817-1833.	3.6	9
15	Volcano impacts on climate and biogeochemistry in a coupled carbon-climate model. <i>Earth System Dynamics</i> , 2012, 3, 121-136.	7.1	8