Rachel A Scanza

List of Publications by Year
in descending order

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11 papers	1,241 citations	840776 11 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	1927 citing authors

#	Article	IF	Citations
1	The size distribution of desert dust aerosols and its impact on the Earth system. Aeolian Research, 2014, 15, 53-71.	2.7	468
2	Aerosol trace metal leaching and impacts on marine microorganisms. Nature Communications, 2018, 9, 2614.	12.8	176
3	Pyrogenic iron: The missing link to high iron solubility in aerosols. Science Advances, 2019, 5, eaau7671.	10.3	128
4	Aerosol Deposition Impacts on Land and Ocean Carbon Cycles. Current Climate Change Reports, 2017, 3, 16-31.	8.6	103
5	Anthropogenic combustion iron as a complex climate forcer. Nature Communications, 2018, 9, 1593.	12.8	86
6	Reviews and syntheses: the GESAMP atmospheric iron deposition model intercomparison study. Biogeosciences, 2018, 15, 6659-6684.	3.3	63
7	Impact of Changes to the Atmospheric Soluble Iron Deposition Flux on Ocean Biogeochemical Cycles in the Anthropocene. Global Biogeochemical Cycles, 2020, 34, e2019GB006448.	4.9	62
8	Climate-driven oscillation of phosphorus and iron limitation in the North Pacific Subtropical Gyre. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12720-12728.	7.1	44
9	Atmospheric processing of iron in mineral and combustion aerosols: development of an intermediate-complexity mechanism suitable for Earth system models. Atmospheric Chemistry and Physics, 2018, 18, 14175-14196.	4.9	41
10	Improved methodologies for Earth system modelling of atmospheric soluble iron and observation comparisons using the Mechanism of Intermediate complexity for Modelling Iron (MIMI v1.0). Geoscientific Model Development, 2019, 12, 3835-3862.	3.6	39
11	Recent (1980 to 2015) Trends and Variability in Dailyâ€toâ€Interannual Soluble Iron Deposition from Dust, Fire, and Anthropogenic Sources. Geophysical Research Letters, 2020, 47, e2020GL089688.	4.0	31