Ray F Weiss

List of Publications by Year
in descending order

19	1,350	759233 12	794594 19
papers	citations	h-index	g-index

19	19	19	1962
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comprehensive quantification of global nitrous oxide sources and sinks. Nature, 2020, 586, 248-256.	27.8	814
2	Rapid increase in ozone-depleting chloroform emissions from China. Nature Geoscience, 2019, 12, 89-93.	12.9	92
3	A decline in emissions of CFC-11 and related chemicals from eastern China. Nature, 2021, 590, 433-437.	27.8	61
4	A decline in global CFC-11 emissions during 2018â^'2019. Nature, 2021, 590, 428-432.	27.8	55
5	Old carbon reservoirs were not important in the deglacial methane budget. Science, 2020, 367, 907-910.	12.6	50
6	Increase in global emissions of HFC-23 despite near-total expected reductions. Nature Communications, 2020, 11, 397.	12.8	41
7	Continued Emissions of the Ozoneâ€Depleting Substance Carbon Tetrachloride From Eastern Asia. Geophysical Research Letters, 2018, 45, 11423-11430.	4.0	37
8	The Impact of COVIDâ€19 on CO₂ Emissions in the Los Angeles and Washington DC/Baltimore Metropolitan Areas. Geophysical Research Letters, 2021, 48, e2021GL092744.	4.0	32
9	Spatioâ€temporally Resolved Methane Fluxes From the Los Angeles Megacity. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5131-5148.	3.3	27
10	Deriving Global OH Abundance and Atmospheric Lifetimes for Longâ€Lived Gases: A Search for CH₃CCl₃ Alternatives. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,914.	3.3	26
11	Rapid increase in dichloromethane emissions from China inferred through atmospheric observations. Nature Communications, 2021, 12, 7279.	12.8	24
12	Methyl Chloroform Continues to Constrain the Hydroxyl (OH) Variability in the Troposphere. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033862.	3.3	21
13	Unexpected nascent atmospheric emissions of three ozone-depleting hydrochlorofluorocarbons. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
14	Marine Nitrous Oxide Emissions From Three Eastern Boundary Upwelling Systems Inferred From Atmospheric Observations. Geophysical Research Letters, 2020, 47, e2020GL087822.	4.0	12
15	Chemical evidence of inter-hemispheric air mass intrusion into the Northern Hemisphere mid-latitudes. Scientific Reports, 2018, 8, 4669.	3.3	11
16	Emissions of Tetrafluoromethane (CF₄) and Hexafluoroethane (C₂F₆) From East Asia: 2008 to 2019. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034888.	3.3	11
17	Growing Atmospheric Emissions of Sulfuryl Fluoride. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034327.	3.3	10
18	On the natural spatio-temporal heterogeneity of South Pacific nitrous oxide. Nature Communications, 2020, 11, 3672.	12.8	9

#	Article	IF	Citations
19	Quantifying the Imprints of Stratospheric Contributions to Interhemispheric Differences in Tropospheric CFCâ€11, CFCâ€12, and N 2 O Abundances. Geophysical Research Letters, 2021, 48, e2021GL093700.	4.0	1