

Ray F Weiss

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,350
citations

759233

12
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1962
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Deriving Global OH Abundance and Atmospheric Lifetimes for Long-Lived Gases: A Search for CH ₃ CCl ₃ Alternatives. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,914.	3.3	26