Michiel van Weele

List of Publications by Year
in descending order

24 papers	4,680 citations	516561 16 h-index	642610 23 g-index
32 all docs	32 docs citations	32 times ranked	6879 citing authors

#	Article	IF	Citations
1	Three decades of global methane sources and sinks. Nature Geoscience, 2013, 6, 813-823.	5.4	1,649
2	The Global Methane Budget 2000â€“2017. Earth System Science Data, 2020, 12, 1561-1623.	3.7	1,199
3	The global methane budget 2000â€“2012. Earth System Science Data, 2016, 8, 697-751.	3.7	824
4	Attribution of the Australian bushfire risk to anthropogenic climate change. Natural Hazards and Earth System Sciences, 2021, 21, 941-960.	1.5	171
5	Extreme heat in India and anthropogenic climate change. Natural Hazards and Earth System Sciences, 2018, 18, 365-381.	1.5	111
6	Interannual variability and trend of CH4lifetime as a measure for OH changes in the 1979â€“1993 time period. Journal of Geophysical Research, 2003, 108, .	3.3	108
7	Spatial and temporal changes of the ozone sensitivity in China based on satellite and ground-based observations. Atmospheric Chemistry and Physics, 2021, 21, 7253-7269.	1.9	93
8	Effect of clouds on the photodissociation of NO2: Observations and modelling. Journal of Atmospheric Chemistry, 1993, 16, 231-255.	1.4	83
9	HighResMIP versions of EC-Earth: EC-Earth3P and EC-Earth3P-HR â€“ description, model computational performance and basic validation. Geoscientific Model Development, 2020, 13, 3507-3527.	1.3	77
10	An empirical model to predict the UV-index based on solar zenith angles and total ozone. Meteorological Applications, 2004, 11, 59-65.	0.9	57
11	Optimal estimation of the presentâ€day global methane budget. Global Biogeochemical Cycles, 2010, 24, .	1.9	49
12	Ambient UVB Dose and Sun Enjoyment Are Important Predictors of Vitamin D Status in an Older Population. Journal of Nutrition, 2017, 147, 858-868.	1.3	44
13	TEMIS UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. Atmospheric Chemistry and Physics, 2017, 17, 7157-7174.	1.9	32
14	Analysis of global methane changes after the 1991 Pinatubo volcanic eruption. Atmospheric Chemistry and Physics, 2013, 13, 2267-2281.	1.9	22
15	Sunshine is an Important Determinant of Vitamin D Status Even Among Highâ€dose Supplement Users: Secondary Analysis of a Randomized Controlled Trial in Crohn's Disease Patients. Photochemistry and Photobiology, 2019, 95, 1060-1067.	1.3	22
16	A New Divergence Method to Quantify Methane Emissions Using Observations of Sentinelâ€5P TROPOMI. Geophysical Research Letters, 2021, 48, e2021GL094151.	1.5	22
17	The effect of stratospheric sulfur from Mount Pinatubo on tropospheric oxidizing capacity and methane. Journal of Geophysical Research D: Atmospheres, 2015, 120, 1202-1220.	1.2	18
18	An observational and Mendelian randomisation study on vitamin D and COVID-19 risk in UK Biobank. Scientific Reports, 2021, 11, 18262.	1.6	13

#	Article	IF	Citations
19	Annual Ambient UVB at Wavelengths that Induce Vitamin D Synthesis is Associated with Reduced Esophageal and Gastric Cancer Risk: A Nested Caseâ€“Control Study. Photochemistry and Photobiology, 2018, 94, 797-806.	1.3	11
20	Isoprene emissions track the seasonal cycle of canopy temperature, not primary production: evidence from remote sensing. Biogeosciences, 2014, 11, 3437-3451.	1.3	8
21	Harmonisation and diagnostics of MIPAS ESA CH₄ and N₂O profiles using data assimilation. Atmospheric Measurement Techniques, 2016, 9, 5895-5909.	1.2	6
22	Space-based surface UV monitoring for Europe using SCIAMACHY and MSG. , 2005, , .		6
23	The association between ambient UVB dose and ANCA-associated vasculitis relapse and onset. Arthritis Research and Therapy, 2022, 24, .	1.6	2
24	The behaviour of vertical flux profiles of NO, O3, and NO2 explained in terms of the photostationary state relationship. Journal of Atmospheric Chemistry, 1993, 16, 293-297.	1.4	1