

# Paul Hamer

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,373  
citations

567281

15  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2500  
citing authors

#	ARTICLE	IF	CITATIONS
1	ESA CCI Soil Moisture for improved Earth system understanding: State-of-the art and future directions. <i>Remote Sensing of Environment</i> , 2017, 203, 185-215.	11.0	781
2	Chemistry of the Antarctic Boundary Layer and the Interface with Snow: an overview of the CHABLIS campaign. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3789-3803.	4.9	73
3	Evaluating global emission inventories of biogenic bromocarbons. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11819-11838.	4.9	66
4	First implementation of secondary inorganic aerosols in the MOCAGE version R2.15.0 chemistry transport model. <i>Geoscientific Model Development</i> , 2016, 9, 137-160.	3.6	53
5	Modelling of primary aerosols in the chemical transport model MOCAGE: development and evaluation of aerosol physical parameterizations. <i>Geoscientific Model Development</i> , 2015, 8, 381-408.	3.6	38
6	Night-time NO <sub>3</sub> and OH radical concentrations in the United Kingdom inferred from hydrocarbon measurements. <i>Atmospheric Science Letters</i> , 2008, 9, 140-146.	1.9	37
7	Assessment of Low-Cost Particulate Matter Sensor Systems against Optical and Gravimetric Methods in a Field Co-Location in Norway. <i>Atmosphere</i> , 2021, 12, 961.	2.3	26
8	The zonal structure of tropical O <sub>3</sub> and CO as observed by the Tropospheric Emission Spectrometer in November 2004 – Part 2: Impact of surface emissions on O <sub>3</sub> and its precursors. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3563-3582.	4.9	25
9	The added value of a visible channel to a geostationary thermal infrared instrument to monitor ozone for air quality. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2185-2201.	3.1	23
10	The MetVed model: development and evaluation of emissions from residential wood combustion at high spatio-temporal resolution in Norway. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10217-10237.	4.9	23
11	Kinetics of the CH <sub>3</sub> O <sub>2</sub> +NO <sub>2</sub> reaction: A temperature and pressure dependence study using chemical ionisation mass spectrometry. <i>Chemical Physics Letters</i> , 2006, 419, 125-129.	2.6	22
12	Kinetics and branching ratio studies of the reaction of C <sub>2</sub> H <sub>5</sub> O <sub>2</sub> + HO <sub>2</sub> using chemical ionisation mass spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 4338.	2.8	22
13	Attribution and evolution of ozone from Asian wild fires using satellite and aircraft measurements during the ARCTAS campaign. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 169-188.	4.9	21
14	Kinetics of the CH <sub>3</sub> O <sub>2</sub> + HO <sub>2</sub> reaction: A temperature and pressure dependence study using chemical ionization mass spectrometry. <i>International Journal of Chemical Kinetics</i> , 2007, 39, 571-579.	1.6	20
15	An Evaluation of the EnKF vs. EnOI and the Assimilation of SMAP, SMOS and ESA CCI Soil Moisture Data over the Contiguous US. <i>Remote Sensing</i> , 2019, 11, 478.	4.0	18
16	Release of Oxygen Atoms and Nitric Oxide Molecules from the Ultraviolet Photodissociation of Nitrate Adsorbed on Water Ice Films at 100 K. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8629-8634.	2.5	15
17	The urban dispersion model EPISODE v10.0 – Part 1: An Eulerian and sub-grid-scale air quality model and its application in Nordic winter conditions. <i>Geoscientific Model Development</i> , 2020, 13, 4323-4353.	3.6	15
18	Spatiotemporal Patterns in Data Availability of the Sentinel-5P NO <sub>2</sub> Product over Urban Areas in Norway. <i>Remote Sensing</i> , 2021, 13, 2095.	4.0	14

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19	Primary aerosol and secondary inorganic aerosol budget over the Mediterranean Basin during 2012 and 2013. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4911-4934.	4.9	12
20	Thermal conditions during heat waves of a mid-European metropolis under consideration of climate change, urban development scenarios and resilience measures for the mid-21st century. <i>Meteorologische Zeitschrift</i> , 2021, 30, 9-32.	1.0	11
21	Modelling the impact of oxygenated VOC and meteorology upon the boundary layer photochemistry at the South Pole. <i>Atmospheric Science Letters</i> , 2007, 8, 14-20.	1.9	10
22	Monitoring Soil Moisture Drought over Northern High Latitudes from Space. <i>Remote Sensing</i> , 2019, 11, 1200.	4.0	10
23	Modeling study of the impact of SO <sub>2</sub> volcanic passive emissions on the tropospheric sulfur budget. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11379-11404.	4.9	10
24	What do we learn about bromoform transport and chemistry in deep convection from fine scale modelling?. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6073-6093.	4.9	9
25	Evidence of convective transport in tropical West Pacific region during SHIVA experiment. <i>Atmospheric Science Letters</i> , 2018, 19, e798.	1.9	7
26	The impact of observing characteristics on the ability to predict ozone under varying polluted photochemical regimes. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10645-10667.	4.9	6
27	The effect of the novel HO <sub>2</sub> + NO → HNO <sub>3</sub> reaction channel at South Pole, Antarctica. <i>Antarctic Science</i> , 2012, 24, 417-425.	0.9	4
28	Cloud-scale modelling of the impact of deep convection on the fate of oceanic bromoform in the troposphere: a case study over the west coast of Borneo. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16955-16984.	4.9	1