

Ulrich Platt

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,791
citations

471061

17
h-index

713013

21
g-index

28
all docs

28
docs citations

28
times ranked

2236
citing authors

#	ARTICLE	IF	CITATIONS
1	Iodine oxide in the marine boundary layer. <i>Nature</i> , 1999, 397, 572-573.	13.7	312
2	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2103-2162.	1.9	307
3	Network for Observation of Volcanic and Atmospheric Change (NOVAC) – A global network for volcanic gas monitoring: Network layout and instrument description. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	234
4	Photochemical production of molecular bromine in Arctic surface snowpacks. <i>Nature Geoscience</i> , 2013, 6, 351-356.	5.4	175
5	Radiative transfer corrections for accurate spectroscopic measurements of volcanic gas emissions. <i>Bulletin of Volcanology</i> , 2010, 72, 233-247.	1.1	126
6	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 1999, 34, 65-85.	1.4	96
7	Bromine oxide-ozone interaction over the Dead Sea. <i>Journal of Geophysical Research</i> , 2001, 106, 10375-10387.	3.3	74
8	High ClO and ozone depletion observed in the plume of Sakurajima volcano, Japan. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	73
9	Halogen oxide measurements at Masaya Volcano, Nicaragua using active long path differential optical absorption spectroscopy. <i>Bulletin of Volcanology</i> , 2009, 71, 659-670.	1.1	59
10	Imaging DOAS for volcanological applications. <i>Bulletin of Volcanology</i> , 2009, 71, 753-765.	1.1	56
11	GOME Observations of Stratospheric Trace Gas Distributions during the Splitting Vortex Event in the Antarctic Winter of 2002. Part I: Measurements. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 778-785.	0.6	38
12	Glyoxal observations in the global marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6160-6169.	1.2	38
13	Iodine oxide in the Dead Sea Valley: Evidence for inorganic sources of boundary layer IO. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	37
14	Remote measurement of high preeruptive water vapor emissions at Sabancaya volcano by passive differential optical absorption spectroscopy. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3540-3564.	1.4	30
15	Heterogeneous and Homogeneous Chemistry of Reactive Halogen Compounds in the Lower Troposphere. <i>Journal of Atmospheric Chemistry</i> , 1999, 34, 1-8.	1.4	27
16	Springtime Bromine Activation over Coastal and Inland Arctic Snowpacks. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 1075-1086.	1.2	22
17	Vertical Profiles of Tropospheric Ozone From MAXDOAS Measurements During the CINDI Campaign: Part 1 – Development of a New Retrieval Algorithm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,637.	1.2	18
18	Vertical distribution of BrO in the boundary layer at the Dead Sea. <i>Environmental Chemistry</i> , 2015, 12, 438.	0.7	16

#	ARTICLE	IF	CITATIONS
19	Role of the boundary layer in the occurrence and termination of the tropospheric ozone depletion events in polar spring. Atmospheric Environment, 2016, 132, 98-110.	1.9	14
20	The role of open lead interactions in atmospheric ozone variability between Arctic coastal and inland sites. Elementa, 2016, 4, .	1.1	6
21	Air Pollution Monitoring Systemsâ€”Pastâ€”Presentâ€”Future. , 2008, , 3-20.		5
22	Atmospheric gas phase reactions. Geophysical Monograph Series, 2009, , 7-15.	0.1	1
23	KARL OTTO MÃœNNICH (1925â€”2003): IN MEMORIAM. Radiocarbon, 0, , 1-5.	0.8	1
24	The Impact of Halogen Chemistry on the Oxidation Capacity of the Troposphere. , 2002, , 67-75.		1