Ulrich Platt

List of Publications by Year
in descending order

17 papers	2,214 citations	687220 13 h-index	1058333 14 g-index
20 all docs	20 docs citations	20 times ranked	2409 citing authors

#	Article	IF	Citations
1	Megacity Emissions and Lifetimes of Nitrogen Oxides Probed from Space. Science, 2011, 333, 1737-1739.	6.0	402
2	Iodine oxide in the marine boundary layer. Nature, 1999, 397, 572-573.	13.7	312
3	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. Atmospheric Chemistry and Physics, 2017, 17, 2103-2162.	1.9	307
4	Numerical analysis and estimation of the statistical error of differential optical absorption spectroscopy measurements with least-squares methods. Applied Optics, 1996, 35, 6041.	2.1	302
5	Detection of NO₃ in the polluted troposphere by differential optical absorption. Geophysical Research Letters, 1980, 7, 89-92.	1.5	295
6	Chemistry and oxidation capacity of the nitrate radical in the continental boundary layer near Berlin. Journal of Geophysical Research, 2001, 106, 8013-8025.	3.3	187
7	Nitrate Radicals in Tropospheric Chemistry. Israel Journal of Chemistry, 1994, 34, 289-300.	1.0	72
8	Improving long-path differential optical absorption spectroscopy with a quartz-fiber mode mixer. Applied Optics, 1997, 36, 1105.	2.1	67
9	Halogen oxide measurements at Masaya Volcano, Nicaragua using active long path differential optical absorption spectroscopy. Bulletin of Volcanology, 2009, 71, 659-670.	1.1	59
10	UV-absorption cross sections of a series of monocyclic aromatic compounds. Atmospheric Environment, 1997, 31, 3999-4008.	1.9	56
11	Derivation of tropospheric NO3profiles using off-axis differential optical absorption spectroscopy measurements during sunrise and comparison with simulations. Journal of Geophysical Research, 2002, 107, ACH 5-1.	3.3	41
12	Iodine oxide in the Dead Sea Valley: Evidence for inorganic sources of boundary layer IO. Journal of Geophysical Research, 2005, 110, .	3.3	37
13	Temperature dependence of the NO3loss frequency: A new indicator for the contribution of NO3to the oxidation of monoterpenes and NOxremoval in the atmosphere. Journal of Geophysical Research, 2002, 107, ACL 8-1.	3.3	24
14	The Origin of Nitrous and Nitric Acid in the Atmosphere. , 1986, , 299-319.		14
15	Intra-pixel variability in satellite tropospheric NO₂ column densities derived from simultaneous space-borne and airborne observations over the South African Highveld. Atmospheric Measurement Techniques, 2018, 11, 2797-2819.	1.2	9
16	Air Pollution Monitoring Systemsâ€”Pastâ€“Presentâ€“Future. , 2008, , 3-20.		5
17	The Impact of Halogen Chemistry on the Oxidation Capacity of the Troposphere. , 2002, , 67-75.		1