

# Ulrich Platt

## List of Publications by Year in descending order

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17  
papers

2,214  
citations

687363

13  
h-index

1058476

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. <i>Science</i> , 2011, 333, 1737-1739.	12.6	402
2	Iodine oxide in the marine boundary layer. <i>Nature</i> , 1999, 397, 572-573.	27.8	312
3	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2103-2162.	4.9	307
4	Numerical analysis and estimation of the statistical error of differential optical absorption spectroscopy measurements with least-squares methods. <i>Applied Optics</i> , 1996, 35, 6041.	2.1	302
5	Detection of NO <sub>3</sub> in the polluted troposphere by differential optical absorption. <i>Geophysical Research Letters</i> , 1980, 7, 89-92.	4.0	295
6	Chemistry and oxidation capacity of the nitrate radical in the continental boundary layer near Berlin. <i>Journal of Geophysical Research</i> , 2001, 106, 8013-8025.	3.3	187
7	Nitrate Radicals in Tropospheric Chemistry. <i>Israel Journal of Chemistry</i> , 1994, 34, 289-300.	2.3	72
8	Improving long-path differential optical absorption spectroscopy with a quartz-fiber mode mixer. <i>Applied Optics</i> , 1997, 36, 1105.	2.1	67
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.	3.0	59
10	UV-absorption cross sections of a series of monocyclic aromatic compounds. <i>Atmospheric Environment</i> , 1997, 31, 3999-4008.	4.1	56
11	Derivation of tropospheric NO <sub>3</sub> profiles using off-axis differential optical absorption spectroscopy measurements during sunrise and comparison with simulations. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 5-1.	3.3	41
12	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
13	Temperature dependence of the NO <sub>3</sub> loss frequency: A new indicator for the contribution of NO <sub>3</sub> to the oxidation of monoterpenes and NO <sub>x</sub> removal in the atmosphere. <i>Journal of Geophysical Research</i> , 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 NO <sub>2</sub> column densities derived from simultaneous space-borne and airborne observations over the South African Highveld. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2797-2819.	3.1	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