Zbigniew J Ulanowski

List of Publications by Year
in descending order

14	465	933447 10	1058476 14
papers	citations	h-index	g-index

29	29	29	552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Light scattering by complex ice-analogue crystals. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 100, 382-392.	2.3	97
2	Cirrus Clouds. Meteorological Monographs, 2017, 58, 2.1-2.26.	5.0	94
3	Classifying atmospheric ice crystals by spatial light scattering. Optics Letters, 2008, 33, 1545.	3.3	58
4	Cloud chamber experiments on the origin of ice crystal complexity in cirrus clouds. Atmospheric Chemistry and Physics, 2016, 16, 5091-5110.	4.9	56
5	Scattering of light from atmospheric ice analogues. Journal of Quantitative Spectroscopy and Radiative Transfer, 2003, 79-80, 1091-1102.	2.3	43
6	A 3D implementation of ray tracing combined with diffraction on facets: Verification and a potential application. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 100, 103-114.	2.3	20
7	Particle Habit Imaging Using Incoherent Light: A First Step toward a Novel Instrument for Cloud Microphysics. Journal of Atmospheric and Oceanic Technology, 2011, 28, 493-512.	1.3	19
8	The electrical activity of Saharan dust as perceived from surface electric field observations. Atmospheric Chemistry and Physics, 2021, 21, 927-949.	4.9	17
9	Surface roughness during depositional growth and sublimation of ice crystals. Atmospheric Chemistry and Physics, 2018, 18, 13687-13702.	4.9	16
10	Design and field campaign validation of a multi-rotor unmanned aerial vehicle and optical particle counter. Atmospheric Measurement Techniques, 2020, 13, 6613-6630.	3.1	13
11	The Universal Cloud and Aerosol Sounding System (UCASS): a low-cost miniature optical particle counter for use in dropsonde or balloon-borne sounding systems. Atmospheric Measurement Techniques, 2019, 12, 6579-6599.	3.1	9
12	Characterising optical array particle imaging probes: implications for small-ice-crystal observations. Atmospheric Measurement Techniques, 2021, 14, 1917-1939.	3.1	7
13	Measurement report: Balloon-borne in situ profiling of Saharan dust over Cyprus with the UCASS optical particle counter. Atmospheric Chemistry and Physics, 2021, 21, 6781-6797.	4.9	7
14	Halo ratio from ground-based all-sky imaging. Atmospheric Measurement Techniques, 2019, 12, 1295-1309.	3.1	6