Chatt C Williamson

List of Publications by Year
in descending order

13	337	933447 10	1199594 12
papers	citations	h-index	g-index

17	17	17	393
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparisons of JU2003 observations with four diagnostic urban wind flow and Lagrangian particle dispersion models. Atmospheric Environment, 2011, 45, 4073-4081.	4.1	59
2	Fluorescence of bioaerosols: mathematical model including primary fluorescing and absorbing molecules in bacteria. Optics Express, 2013, 21, 22285.	3.4	44
3	Integration of Google Maps/Earth with microscale meteorology models and data visualization. Computers and Geosciences, 2013, 61, 23-31.	4.2	43
4	Application of a Multigrid Method to a Mass-Consistent Diagnostic Wind Model. Journal of Applied Meteorology and Climatology, 2005, 44, 1078-1089.	1.7	31
5	Size-dependent fluorescence of bioaerosols: Mathematical model using fluorescing and absorbing molecules in bacteria. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 157, 54-70.	2.3	31
6	Nocturnal Low-Level-Jet-Dominated Atmospheric Boundary Layer Observed by a Doppler Lidar over Oklahoma City during JU2003. Journal of Applied Meteorology and Climatology, 2007, 46, 2098-2109.	1.5	30
7	Effects of ozone and relative humidity on fluorescence spectra of octapeptide bioaerosol particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 538-550.	2.3	26
8	Spectrally-resolved fluorescence cross sections of aerosolized biological live agents and simulants using five excitation wavelengths in a BSL-3 laboratory. Optics Express, 2014, 22, 8165.	3.4	25
9	Design of a noncooled fiber collimator for compact, high-efficiency fiber laser arrays. Applied Optics, 2017, 56, B169.	2.1	16
10	Fluorescence of bioaerosols: mathematical model including primary fluorescing and absorbing molecules in bacteria: errata. Optics Express, 2014, 22, 22817.	3.4	11
11	Changes of fluorescence spectra and viability from aging aerosolized E. coli cells under various laboratory-controlled conditions in an advanced rotating drum. Aerosol Science and Technology, 2019, 53, 1261-1276.	3.1	10
12	Diagnostic Wind Model Initialization over Complex Terrain Using the Airborne Doppler Wind Lidar Data~!2010-03-01~!2010-04-29~!2010-08-07~!. The Open Remote Sensing Journal, 2010, 3, 17-27.	0.5	6
13	Airborne Doppler wind lidar data fusion with a diagnostic wind model. , 2012, , .		1