

David C Doughty

List of Publications by Year in descending order

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13
papers

510
citations

933447

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1125743

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g-index

15
all docs

15
docs citations

15
times ranked

936
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time sensing of bioaerosols: Review and current perspectives. <i>Aerosol Science and Technology</i> , 2020, 54, 465-495.	3.1	144
2	Impact of the vertical mixing induced by low-level jets on boundary layer ozone concentration. <i>Atmospheric Environment</i> , 2013, 70, 123-130.	4.1	98
3	Ozone variability in the atmospheric boundary layer in Maryland and its implications for vertical transport model. <i>Atmospheric Environment</i> , 2012, 46, 354-364.	4.1	83
4	Validation of northern latitude Tropospheric Emission Spectrometer stare ozone profiles with ARC-IONS sondes during ARCTAS: sensitivity, bias and error analysis. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9901-9914.	4.9	58
5	Size-dependent fluorescence of bioaerosols: Mathematical model using fluorescing and absorbing molecules in bacteria. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 157, 54-70.	2.3	31
6	Automated aerosol Raman spectrometer for semi-continuous sampling of atmospheric aerosol. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 188, 103-117.	2.3	29
7	Viruses such as SARS-CoV-2 can be partially shielded from UV radiation when in particles generated by sneezing or coughing: Numerical simulations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 262, 107489.	2.3	16
8	Fluorescence of bioaerosols: mathematical model including primary fluorescing and absorbing molecules in bacteria: errata. <i>Optics Express</i> , 2014, 22, 22817.	3.4	11
9	Nocturnal isoprene declines in a semi-urban environment. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 215-234.	3.2	10
10	Raman spectra of atmospheric particles measured in Maryland, USA over 22.5Âh using an automated aerosol Raman spectrometer. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 244, 106839.	2.3	10
11	Shielding of viruses such as SARS-Cov-2 from ultraviolet radiation in particles generated by sneezing or coughing: Numerical simulations of survival fractions. <i>Journal of Occupational and Environmental Hygiene</i> , 2021, 18, 394-408.	1.0	8
12	Raman spectra of atmospheric aerosol particles: Clusters and time-series for a 22.5Âhr sampling period. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 248, 106907.	2.3	7
13	Demonstration of a mobile Flux Laboratory for the Atmospheric Measurement of Emissions (FLAME) to assess emissions inventories. <i>Journal of Environmental Monitoring</i> , 2009, 11, 259-268.	2.1	5