David P Donovan

List of Publications by Year
in descending order

19 papers	694 citations	933447 10 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	1412 citing authors

DAVID P. DONOVAN

#	ARTICLE	IF	CITATIONS
1	Global observations of aerosol-cloud-precipitation-climate interactions. Reviews of Geophysics, 2014, 52, 750-808.	23.0	316
2	Testing IWC Retrieval Methods Using Radar and Ancillary Measurements with In Situ Data. Journal of Applied Meteorology and Climatology, 2008, 47, 135-163.	1.5	91
3	Aerosols in the convective boundary layer: Shortwave radiation effects on the coupled land–atmosphere system. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5845-5863.	3.3	45
4	Principal component analysis applied to multiwavelength lidar aerosol backscatter and extinction measurements. Applied Optics, 1997, 36, 9406.	2.1	42
5	Refinements to Ice Particle Mass Dimensional and Terminal Velocity Relationships for Ice Clouds. Part II: Evaluation and Parameterizations of Ensemble Ice Particle Sedimentation Velocities. Journals of the Atmospheric Sciences, 2007, 64, 1068-1088.	1.7	41
6	Using Continuous Ground-Based Radar and Lidar Measurements for Evaluating the Representation of Clouds in Four Operational Models. Journal of Applied Meteorology and Climatology, 2010, 49, 1971-1991.	1.5	38
7	HETEAC: The Aerosol Classification Model for EarthCARE. EPJ Web of Conferences, 2016, 119, 01004.	0.3	26
8	Independent Evaluation of the Ability of Spaceborne Radar and Lidar to Retrieve the Microphysical and Radiative Properties of Ice Clouds. Journal of Atmospheric and Oceanic Technology, 2006, 23, 211-227.	1.3	24
9	Feasibility study of integral property retrieval for tropospheric aerosol from Raman lidar data using principal component analysis. Applied Optics, 2013, 52, 2173.	1.8	21
10	ECSIM: the simulator framework for EarthCARE. Proceedings of SPIE, 2007, 6744, 531.	0.8	18
11	Simultaneous and synergistic profiling of cloud and drizzle properties using ground-based observations. Atmospheric Measurement Techniques, 2017, 10, 4777-4803.	3.1	7
12	Retrieval of atmospheric reflectivity profiles in case of long radar pulses. Atmospheric Research, 2004, 72, 187-196.	4.1	6
13	Radiative Flux Estimation from a Broadband Radiometer Using Synthetic Angular Models in the EarthCARE Mission Framework. Part I: Methodology. Journal of Applied Meteorology and Climatology, 2011, 50, 974-993.	1.5	6
14	Steller Brewer, ozonesonde, and DIAL measurements of Arctic O3 column over Eureka, N.W.T. during 1996 winter/spring. Geophysical Research Letters, 1999, 26, 2383-2386.	4.0	5
15	Earthcare atlid extinction and backscatter retrieval algorithms. EPJ Web of Conferences, 2018, 176, 02022.	0.3	3
16	Improvement of broadband radiance to flux conversion by using the synergy between active and passive remote sensing instruments. , 2007, 6745, 246.		2
17	Cloud parametrization for spaceborne lidar applications. , 1998, , .		1
18	Radiative Flux Estimation from a Broadband Radiometer Using Synthetic Angular Models in the EarthCARE Mission Framework. Part II: Evaluation. Journal of Applied Meteorology and Climatology, 2012, 51, 1714-1731.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Development of a radiative flux evaluation program with a 3-D Monte Carlo radiative transfer code. , 2013, , .		0