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

#	Article	IF	Citations
1	Earthcare atlid extinction and backscatter retrieval algorithms. EPJ Web of Conferences, 2018, 176, 02022.	0.3	3
2	Simultaneous and synergistic profiling of cloud and drizzle properties using ground-based observations. Atmospheric Measurement Techniques, 2017, 10, 4777-4803.	3.1	7
3	HETEAC: The Aerosol Classification Model for EarthCARE. EPJ Web of Conferences, 2016, 119, 01004.	0.3	26
4	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
5	Global observations of aerosol-cloud-precipitation-climate interactions. Reviews of Geophysics, 2014, 52, 750-808.	23.0	316
6	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
7	Development of a radiative flux evaluation program with a 3-D Monte Carlo radiative transfer code. , 2013, , .		0
8	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
9	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
10	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
11	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
12	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
13	ECSIM: the simulator framework for EarthCARE. Proceedings of SPIE, 2007, 6744, 531.	0.8	18
14	Improvement of broadband radiance to flux conversion by using the synergy between active and passive remote sensing instruments. , 2007, 6745, 246.		2
15	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
16	Retrieval of atmospheric reflectivity profiles in case of long radar pulses. Atmospheric Research, 2004, 72, 187-196.	4.1	6
17	Steller Brewer, ozonesonde, and DIAL measurements of Arctic O3column over Eureka, N.W.T. during 1996 winter/spring. Geophysical Research Letters, 1999, 26, 2383-2386.	4.0	5
18	Cloud parametrization for spaceborne lidar applications. , 1998, , .		1

#	Article	IF	Citations
19	Principal component analysis applied to multiwavelength lidar aerosol backscatter and extinction measurements. Applied Optics, 1997, 36, 9406.	2.1	42