

Felix C Seidel

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,447
citations

394421

19
h-index

501196

28
g-index

36
all docs

36
docs citations

36
times ranked

2197
citing authors

#	ARTICLE	IF	CITATIONS
1	The Airborne Snow Observatory: Fusion of scanning lidar, imaging spectrometer, and physically-based modeling for mapping snow water equivalent and snow albedo. Remote Sensing of Environment, 2016, 184, 139-152.	11.0	313
2	Advanced radiometry measurements and Earth science applications with the Airborne Prism Experiment (APEX). Remote Sensing of Environment, 2015, 158, 207-219.	11.0	154
3	An overview of the ORACLES (ObseRvations of Aerosols above CLouds and their intEractionS) project: aerosolâ€‘cloudâ€‘radiation interactions in the southeast Atlantic basin. Atmospheric Chemistry and Physics, 2021, 21, 1507-1563.	4.9	97
4	Imaging spectroscopy of albedo and radiative forcing by lightâ€‘absorbing impurities in mountain snow. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9511-9523.	3.3	90
5	APEX - the Hyperspectral ESA Airborne Prism Experiment. Sensors, 2008, 8, 6235-6259.	3.8	85
6	Introducing the 4.4â€‘km spatial resolution Multi-Angle Imaging SpectroRadiometer (MISR) aerosol product. Atmospheric Measurement Techniques, 2020, 13, 593-628.	3.1	84
7	Joint retrieval of aerosol and water-leaving radiance from multispectral, multiangular and polarimetric measurements over ocean. Atmospheric Measurement Techniques, 2016, 9, 2877-2907.	3.1	69
8	Coupled retrieval of aerosol properties and land surface reflection using the Airborne Multiangle SpectroPolarimetric Imager. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7004-7026.	3.3	63
9	Critical surface albedo and its implications to aerosol remote sensing. Atmospheric Measurement Techniques, 2012, 5, 1653-1665.	3.1	49
10	Case study of spatial and temporal variability of snow cover, grain size, albedo and radiative forcing in the Sierra Nevada and Rocky Mountain snowpack derived from imaging spectroscopy. Cryosphere, 2016, 10, 1229-1244.	3.9	47
11	Fast and simple model for atmospheric radiative transfer. Atmospheric Measurement Techniques, 2010, 3, 1129-1141.	3.1	44
12	New approach to the retrieval of AOD and its uncertainty from MISR observations over dark water. Atmospheric Measurement Techniques, 2018, 11, 429-439.	3.1	36
13	Optimal estimation of spectral surface reflectance in challenging atmospheres. Remote Sensing of Environment, 2019, 232, 111258.	11.0	36
14	Fast retrieval of aerosol optical depth and its sensitivity to surface albedo using remote sensing data. Atmospheric Research, 2012, 116, 22-32.	4.1	31
15	Attributing Accelerated Summertime Warming in the Southeast United States to Recent Reductions in Aerosol Burden: Indications from Vertically-Resolved Observations. Remote Sensing, 2017, 9, 674.	4.0	31
16	Calibration and validation of Airborne Multiangle SpectroPolarimetric Imager (AirMSPI) polarization measurements. Applied Optics, 2018, 57, 4499.	1.8	30
17	Coupled Retrieval of Liquid Water Cloud and Aboveâ€‘Cloud Aerosol Properties Using the Airborne Multiangle SpectroPolarimetric Imager (AirMSPI). Journal of Geophysical Research D: Atmospheres, 2018, 123, 3175-3204.	3.3	28
18	Aerosol retrievals from different polarimeters during the ACEPOL campaign using a common retrieval algorithm. Atmospheric Measurement Techniques, 2020, 13, 553-573.	3.1	28

#	ARTICLE	IF	CITATIONS
19	Intercomparison of airborne multi-angle polarimeter observations from the Polarimeter Definition Experiment. <i>Applied Optics</i> , 2019, 58, 650.	1.8	28
20	Sensor Performance Requirements for the Retrieval of Atmospheric Aerosols by Airborne Optical Remote Sensing. <i>Sensors</i> , 2008, 8, 1901-1914.	3.8	17
21	Optimizing irradiance estimates for coastal and inland water imaging spectroscopy. <i>Geophysical Research Letters</i> , 2015, 42, 4116-4123.	4.0	17
22	Photopolarimetric Sensitivity to Black Carbon Content of Wildfire Smoke: Results From the 2016 ImPACTâ€”PM Field Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 5376-5396.	3.3	15
23	Assessing the Potential of Geostationary Satellites for Aerosol Remote Sensing Based on Critical Surface Albedo. <i>Remote Sensing</i> , 2019, 11, 2958.	4.0	11
24	Airborne imaging spectroscopy to monitor urban mosquito microhabitats. <i>Remote Sensing of Environment</i> , 2013, 137, 226-233.	11.0	10
25	The Aerosol Characterization from Polarimeter and Lidar (ACEPOL) airborne field campaign. <i>Earth System Science Data</i> , 2020, 12, 2183-2208.	9.9	10
26	Imaging spectrometer emulates Landsat: A case study with Airborne Visible Infrared Imaging Spectrometer (AVIRIS) and Operational Land Imager (OLI) data. <i>Remote Sensing of Environment</i> , 2018, 215, 157-169.	11.0	8
27	Improving MISR AOD Retrievals With Low-Light-Level Corrections for Veiling Light. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 1251-1268.	6.3	7
28	Introducing the MISR level 2 near real-time aerosol product. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5577-5591.	3.1	2
29	Spectrophotometry Applications. <i>Experimental Methods in the Physical Sciences</i> , 2014, 46, 457-487.	0.1	0
30	Imaging spectroscopy to understand the controls on cryospheric melting in a changing world. , 2017, , .		0