

# 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	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
2	Introducing the MISR level 2 near real-time aerosol product. Atmospheric Measurement Techniques, 2021, 14, 5577-5591.	3.1	2
3	Introducing the 4.4â€“km spatial resolution Multi-Angle Imaging SpectroRadiometer (MISR) aerosol product. Atmospheric Measurement Techniques, 2020, 13, 593-628.	3.1	84
4	Aerosol retrievals from different polarimeters during the ACEPOL campaign using a common retrieval algorithm. Atmospheric Measurement Techniques, 2020, 13, 553-573.	3.1	28
5	The Aerosol Characterization from Polarimeter and Lidar (ACEPOL) airborne field campaign. Earth System Science Data, 2020, 12, 2183-2208.	9.9	10
6	Optimal estimation of spectral surface reflectance in challenging atmospheres. Remote Sensing of Environment, 2019, 232, 111258.	11.0	36
7	Assessing the Potential of Geostationary Satellites for Aerosol Remote Sensing Based on Critical Surface Albedo. Remote Sensing, 2019, 11, 2958.	4.0	11
8	Intercomparison of airborne multi-angle polarimeter observations from the Polarimeter Definition Experiment. Applied Optics, 2019, 58, 650.	1.8	28
9	Photopolarimetric Sensitivity to Black Carbon Content of Wildfire Smoke: Results From the 2016 ImPACTâ€“PM Field Campaign. Journal of Geophysical Research D: Atmospheres, 2018, 123, 5376-5396.	3.3	15
10	Improving MISR AOD Retrievals With Low-Light-Level Corrections for Veiling Light. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1251-1268.	6.3	7
11	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
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	Calibration and validation of Airborne Multiangle SpectroPolarimetric Imager (AirMSPI) polarization measurements. Applied Optics, 2018, 57, 4499.	1.8	30
14	Imaging spectrometer emulates Landsat: A case study with Airborne Visible Infrared Imaging Spectrometer (AVIRIS) and Operational Land Imager (OLI) data. Remote Sensing of Environment, 2018, 215, 157-169.	11.0	8
15	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
16	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
17	Imaging spectroscopy to understand the controls on cryospheric melting in a changing world. , 2017, ,		0
18	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

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19	Joint retrieval of aerosol and water-leaving radiance from multispectral, multiangular and polarimetric measurements over ocean. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 2877-2907.	3.1	69
20	The Airborne Snow Observatory: Fusion of scanning lidar, imaging spectrometer, and physically-based modeling for mapping snow water equivalent and snow albedo. <i>Remote Sensing of Environment</i> , 2016, 184, 139-152.	11.0	313
21	Optimizing irradiance estimates for coastal and inland water imaging spectroscopy. <i>Geophysical Research Letters</i> , 2015, 42, 4116-4123.	4.0	17
22	Advanced radiometry measurements and Earth science applications with the Airborne Prism Experiment (APEX). <i>Remote Sensing of Environment</i> , 2015, 158, 207-219.	11.0	154
23	Spectrophotometry Applications. <i>Experimental Methods in the Physical Sciences</i> , 2014, 46, 457-487.	0.1	0
24	Airborne imaging spectroscopy to monitor urban mosquito microhabitats. <i>Remote Sensing of Environment</i> , 2013, 137, 226-233.	11.0	10
25	Imaging spectroscopy of albedo and radiative forcing by light-absorbing impurities in mountain snow. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9511-9523.	3.3	90
26	Critical surface albedo and its implications to aerosol remote sensing. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1653-1665.	3.1	49
27	Fast retrieval of aerosol optical depth and its sensitivity to surface albedo using remote sensing data. <i>Atmospheric Research</i> , 2012, 116, 22-32.	4.1	31
28	Fast and simple model for atmospheric radiative transfer. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1129-1141.	3.1	44
29	APEX - the Hyperspectral ESA Airborne Prism Experiment. <i>Sensors</i> , 2008, 8, 6235-6259.	3.8	85
30	Sensor Performance Requirements for the Retrieval of Atmospheric Aerosols by Airborne Optical Remote Sensing. <i>Sensors</i> , 2008, 8, 1901-1914.	3.8	17