Brian Cairns

List of Publications by Year
in descending order

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145 papers	6,765 citations	76196 40 h-index	74018 75 g-index
147 all docs	147 docs citations	147 times ranked	4702 citing authors

#	Article	IF	Citations
1	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. Journal of Climate, 2006, 19, 153-192.	1.2	832
2	Accurate Monitoring of Terrestrial Aerosols and Total Solar Irradiance: Introducing the Glory Mission. Bulletin of the American Meteorological Society, 2007, 88, 677-692.	1.7	277
3	Aerosol retrievals over the ocean by use of channels 1 and 2 AVHRR data: sensitivity analysis and preliminary results. Applied Optics, 1999, 38, 7325.	2.1	242
4	Polarimetric remote sensing of atmospheric aerosols: Instruments, methodologies, results, and perspectives. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 474-511.	1.1	224
5	Monitoring of aerosol forcing of climate from space: analysis of measurement requirements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 88, 149-161.	1.1	211
6	Long-Term Satellite Record Reveals Likely Recent Aerosol Trend. Science, 2007, 315, 1543-1543.	6.0	206
7	The Plankton, Aerosol, Cloud, Ocean Ecosystem Mission: Status, Science, Advances. Bulletin of the American Meteorological Society, 2019, 100, 1775-1794.	1.7	199
8	Remote Sensing of Droplet Number Concentration in Warm Clouds: A Review of the Current State of Knowledge and Perspectives. Reviews of Geophysics, 2018, 56, 409-453.	9.0	185
9	Multiple scattering by random particulate media: exact 3D results. Optics Express, 2007, 15, 2822.	1.7	132
10	Retrieval of aerosol properties over the ocean using multispectral and multiangle Photopolarimetric measurements from the Research Scanning Polarimeter. Geophysical Research Letters, 2001, 28, 243-246.	1.5	130
11	<title>Research Scanning Polarimeter: calibration and ground-based measurements</title>. , 1999, , .		125
12	Models for surface reflection of radiance and polarized radiance: Comparison with airborne multi-angle photopolarimetric measurements and implications for modeling top-of-atmosphere measurements. Remote Sensing of Environment, 2011, 115, 781-792.	4.6	119
13	Past, present, and future of global aerosol climatologies derived from satellite observations: A perspective. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 106, 325-347.	1.1	117
14	Retrieval of Aerosol Scattering and Absorption Properties from Photopolarimetric Observations over the Ocean during the CLAMS Experiment. Journals of the Atmospheric Sciences, 2005, 62, 1093-1117.	0.6	115
15	Dual-photoelastic-modulator-based polarimetric imaging concept for aerosol remote sensing. Applied Optics, 2007, 46, 8428.	2.1	109
16	Case Studies of Aerosol Retrievals over the Ocean from Multiangle, Multispectral Photopolarimetric Remote Sensing Data. Journals of the Atmospheric Sciences, 2002, 59, 383-397.	0.6	105
17	Contribution of water-leaving radiances to multiangle, multispectral polarimetric observations over the open ocean: bio-optical model results for case 1 waters. Applied Optics, 2006, 45, 5542.	2.1	105
18	First-principles modeling of electromagnetic scattering by discrete and discretely heterogeneous random media. Physics Reports, 2016, 632, 1-75.	10.3	104

#	Article	IF	Citations
19	The influence of inclusions on light scattering by large ice particles. Journal of Geophysical Research, 1996, 101, 23311-23316.	3.3	102
20	Atmospheric Correction of Satellite Ocean-Color Imagery During the PACE Era. Frontiers in Earth Science, 2019, 7, .	0.8	98
21	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.	1.9	97
22	Analysis of fine-mode aerosol retrieval capabilities by different passive remote sensing instrument designs. Optics Express, 2012, 20, 21457.	1.7	96
23	Accuracy assessments of cloud droplet size retrievals from polarized reflectance measurements by the research scanning polarimeter. Remote Sensing of Environment, 2012, 125, 92-111.	4.6	90
24	Global Two-Channel AVHRR Retrievals of Aerosol Properties over the Ocean for the Period ofNOAA-9Observations and Preliminary Retrievals UsingNOAA-7andNOAA-11Data. Journals of the Atmospheric Sciences, 2002, 59, 262-278.	0.6	85
25	Sensitivity of multiangle, multispectral polarimetric remote sensing over open oceans to water-leaving radiance: Analyses of RSP data acquired during the MILAGRO campaign. Remote Sensing of Environment, 2012, 118, 284-308.	4.6	83
26	Absorption within Inhomogeneous Clouds and Its Parameterization in General Circulation Models. Journals of the Atmospheric Sciences, 2000, 57, 700-714.	0.6	82
27	Going Beyond Standard Ocean Color Observations: Lidar and Polarimetry. Frontiers in Marine Science, 2019, 6, .	1.2	80
28	Implications of the Observed Mesoscale Variations of Clouds for the Earth's Radiation Budget. Journal of Climate, 2002, 15, 557-585.	1.2	78
29	Toward unified satellite climatology of aerosol properties.. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 540-552.	1.1	73
30	Electromagnetic scattering by a morphologically complex object: Fundamental concepts and common misconceptions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 671-692.	1.1	71
31	Automated cloud screening algorithm for MFRSR data. Geophysical Research Letters, 2004, 31, .	1.5	68
32	Columnar water vapor retrievals from multifilter rotating shadowband radiometer data. Journal of Geophysical Research, 2009, 114, .	3.3	67
33	Remote Sensing of Atmospheric Aerosols and Trace Gases by Means of Multifilter Rotating Shadowband Radiometer. Part I: Retrieval Algorithm. Journals of the Atmospheric Sciences, 2002, 59, 524-543.	0.6	64
34	Reflection models for soil and vegetation surfaces from multiple-viewing angle photopolarimetric measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 529-539.	1.1	61
35	Toward unified satellite climatology of aerosol properties: What do fully compatible MODIS and MISR aerosol pixels tell us?. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 402-408.	1.1	51
36	Aerosolâ€“Cloudâ€“Meteorology Interaction Airborne Field Investigations: Using Lessons Learned from the U.S. West Coast in the Design of ACTIVATE off the U.S. East Coast. Bulletin of the American Meteorological Society, 2019, 100, 1511-1528.	1.7	51

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37	Passive remote sensing of aerosol layer height using nearâ€UV multiangle polarization measurements. Geophysical Research Letters, 2016, 43, 8783-8790.	1.5	50
38	Constraining the Twomey effect from satellite observations: issues and perspectives. Atmospheric Chemistry and Physics, 2020, 20, 15079-15099.	1.9	49
39	Research scanning polarimeter and airborne usage for remote sensing of aerosols. , 2003, 5158, 33.		48
40	Surface BRDF estimation from an aircraft compared to MODIS and ground estimates at the Southern Great Plains site. Journal of Geophysical Research, 2008, 113, .	3.3	46
41	Retrieval of aerosol properties and water-leaving reflectance from multi-angular polarimetric measurements over coastal waters. Optics Express, 2018, 26, 8968.	1.7	44
42	Optics of water cloud droplets mixed with black-carbon aerosols. Optics Letters, 2014, 39, 2607.	1.7	43
43	Aerosol polarimetry sensor for the Glory Mission. , 2007, , .		42
44	A Flexible Parameterization for Shortwave Optical Properties of Ice Crystals*. Journals of the Atmospheric Sciences, 2014, 71, 1763-1782.	0.6	42
45	Polarimetric retrievals of surface and cirrus clouds properties in the region affected by the Deepwater Horizon oil spill. Remote Sensing of Environment, 2012, 121, 389-403.	4.6	41
46	Variation of ice crystal size, shape, and asymmetry parameter in tops of tropical deep convective clouds. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,809-11,825.	1.2	40
47	Evaluation of Hydrometeor Phase and Ice Properties in Cloud-Resolving Model Simulations of Tropical Deep Convection Using Radiance and Polarization Measurements. Journals of the Atmospheric Sciences, 2012, 69, 3290-3314.	0.6	39
48	Rainbow Fourier transform. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2521-2535.	1.1	39
49	Retrieving Aerosol Characteristics From the PACE Mission, Part 2: Multi-Angle and Polarimetry. Frontiers in Environmental Science, 2019, 7, .	1.5	37
50	Atmospheric Research Over the Western North Atlantic Ocean Region and North American East Coast: A Review of Past Work and Challenges Ahead. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031626.	1.2	35
51	The Twoâ€Column Aerosol Project: Phase Iâ€”Overview and impact of elevated aerosol layers on aerosol optical depth. Journal of Geophysical Research D: Atmospheres, 2016, 121, 336-361.	1.2	33
52	Monitoring changes of clouds. Climatic Change, 1995, 31, 305-347.	1.7	32
53	Remote Sensing of Atmospheric Aerosols and Trace Gases by Means of Multifilter Rotating Shadowband Radiometer. Part II: Climatological Applications. Journals of the Atmospheric Sciences, 2002, 59, 544-566.	0.6	32
54	Retrieving Aerosol Characteristics From the PACE Mission, Part 1: Ocean Color Instrument. Frontiers in Earth Science, 2019, 7, .	0.8	31

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55	SPEX airborne spectropolarimeter calibration and performance. Applied Optics, 2019, 58, 5695.	0.9	31
56	An integrated multiangle, multispectral, and polarimetric imaging concept for aerosol remote sensing from space. , 2005, , .		30
57	Calibration and validation of Airborne Multiangle SpectroPolarimetric Imager (AirMSPI) polarization measurements. Applied Optics, 2018, 57, 4499.	0.9	30
58	Assessing Goddard Institute for Space Studies ModelE aerosol climatology using satellite and ground-based measurements: A comparison study. Journal of Geophysical Research, 2006, 111, .	3.3	28
59	Characterization of atmospheric aerosols using MFRSR measurements. Journal of Geophysical Research, 2008, 113, .	3.3	28
60	Vertical variation of ice particle size in convective cloud tops. Geophysical Research Letters, 2016, 43, 4586-4593.	1.5	28
61	Combined neural network/Phillipsâ€“Tikhonov approach to aerosol retrievals over land from the NASA Research Scanning Polarimeter. Atmospheric Measurement Techniques, 2017, 10, 4235-4252.	1.2	28
62	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.	1.2	28
63	Aerosol retrievals from different polarimeters during the ACEPOL campaign using a common retrieval algorithm. Atmospheric Measurement Techniques, 2020, 13, 553-573.	1.2	28
64	Intercomparison of airborne multi-angle polarimeter observations from the Polarimeter Definition Experiment. Applied Optics, 2019, 58, 650.	0.9	28
65	Liquid water cloud properties during the Polarimeter Definition Experiment (PODEX). Remote Sensing of Environment, 2015, 169, 20-36.	4.6	27
66	Efficient multi-angle polarimetric inversion of aerosols and ocean color powered by a deep neural network forward model. Atmospheric Measurement Techniques, 2021, 14, 4083-4110.	1.2	27
67	Retrievals of cloud droplet size from the research scanning polarimeter data: Validation using in situ measurements. Remote Sensing of Environment, 2018, 210, 76-95.	4.6	26
68	Aerosol retrievals from channel-1 and -2 AVHRR radiances: Long-term trends updated and revisited. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1974-1980.	1.1	24
69	Airborne and shipborne polarimetric measurements over open ocean and coastal waters: Intercomparisons and implications for spaceborne observations. Remote Sensing of Environment, 2018, 206, 375-390.	4.6	24
70	Polarized view of supercooled liquid water clouds. Remote Sensing of Environment, 2016, 181, 96-110.	4.6	23
71	Modeling single-scattering properties of small cirrus particles by use of a size-shape distribution of ice spheroids and cylinders. Journal of Quantitative Spectroscopy and Radiative Transfer, 2006, 101, 488-497.	1.1	22
72	Adjoint methods for adjusting three-dimensional atmosphere and surface properties to fit multi-angle/multi-pixel polarimetric measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 144, 68-85.	1.1	22

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73	Model for land surface reflectance treatment: Physical derivation, application for bare soil and evaluation on airborne and satellite measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2023-2039.	1.1	21
74	Remote sensing of multiple cloud layer heights using multi-angular measurements. Atmospheric Measurement Techniques, 2017, 10, 2361-2375.	1.2	21
75	Analysis of ground-based polarimetric sky radiance measurements. , 1997, , .		20
76	Scaling Properties of Aerosol Optical Thickness Retrieved from Ground-Based Measurements. Journals of the Atmospheric Sciences, 2004, 61, 1024-1039.	0.6	20
77	Ground performance measurements of the Glory Aerosol Polarimetry Sensor. Proceedings of SPIE, 2010, , .	0.8	20
78	Changes in the spectrum of light scattered by a moving diffuser plate. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1922.	0.8	19
79	Mid-level clouds are frequent above the southeast Atlantic stratocumulus clouds. Atmospheric Chemistry and Physics, 2020, 20, 11025-11043.	1.9	19
80	Inversion of multiangular polarimetric measurements over open and coastal ocean waters: a joint retrieval algorithm for aerosol and water-leaving radiance properties. Atmospheric Measurement Techniques, 2019, 12, 3921-3941.	1.2	18
81	An Overview of Atmospheric Features Over the Western North Atlantic Ocean and North American East Coast â€“ Part 1: Analysis of Aerosols, Gases, and Wet Deposition Chemistry. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032592.	1.2	18
82	Iterative atmospheric correction scheme and the polarization color of alpine snow. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 789-804.	1.1	17
83	Polarimetric retrievals of cloud droplet number concentrations. Remote Sensing of Environment, 2019, 228, 227-240.	4.6	17
84	Remote sensing of the ocean surface refractive index via short-wave infrared polarimetry. Remote Sensing of Environment, 2019, 221, 14-23.	4.6	17
85	Inversion of multiangular polarimetric measurements from the ACEPOL campaign: an application of improving aerosol property and hyperspectral ocean color retrievals. Atmospheric Measurement Techniques, 2020, 13, 3939-3956.	1.2	17
86	Inverse Problems with Quasihomogeneous Random Media Utilizing Scattered Pulses. Journal of Modern Optics, 1995, 42, 655-666.	0.6	16
87	Polarimetric remote sensing of aerosols over land surfaces. , 2009, , 295-325.		16
88	Global Statistics of Ice Microphysical and Optical Properties at Tops of Optically Thick Ice Clouds. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031811.	1.2	16
89	Evaluation of satellite retrievals of liquid clouds from the GOES-13 imager and MODIS over the midlatitude North Atlantic during the NAAMES campaign. Atmospheric Measurement Techniques, 2021, 14, 6633-6646.	1.2	16
90	Surface optical properties measured by the airborne research scanning polarimeter during the CLAMS experiment. , 2004, , .		14

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91	Using multi-angle multispectral photo-polarimetry of the NASA Glory mission to constrain optical properties of aerosols and clouds: results from four field experiments. , 2005, 5978, 131.		14
92	Multistatic aerosolâ€“cloud lidar in space: A theoretical perspective. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 184, 180-192.	1.1	13
93	New Statistical Model for Variability of Aerosol Optical Thickness: Theory and Application to MODIS Data over Ocean*. Journals of the Atmospheric Sciences, 2016, 73, 821-837.	0.6	13
94	Adaptive Data Screening for Multi-Angle Polarimetric Aerosol and Ocean Color Remote Sensing Accelerated by Deep Learning. Frontiers in Remote Sensing, 2021, 2, .	1.3	13
95	The instantaneous cross-spectral density of non-stationary wavefields. Optics Communications, 1987, 62, 215-218.	1.0	12
96	Derivation of cumulus cloud dimensions and shape from the airborne measurements by the Research Scanning Polarimeter. Remote Sensing of Environment, 2016, 177, 144-152.	4.6	12
97	Separation of fine and coarse aerosol modes in MFRSR data sets. Journal of Geophysical Research, 2005, 110, .	3.3	11
98	Modelâ€based estimation of samplingâ€caused uncertainty in aerosol remote sensing for climate research applications. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 2353-2363.	1.0	11
99	On Averaging Aspect Ratios and Distortion Parameters over Ice Crystal Population Ensembles for Estimating Effective Scattering Asymmetry Parameters. Journals of the Atmospheric Sciences, 2016, 73, 775-787.	0.6	10
100	Development of neural network retrievals of liquid cloud properties from multi-angle polarimetric observations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 220, 39-51.	1.1	10
101	Vertical profiles of droplet size distributions derived from cloud-side observations by the research scanning polarimeter: Tests on simulated data. Atmospheric Research, 2020, 239, 104924.	1.8	10
102	Atmospheric correction over the ocean for hyperspectral radiometers using multi-angle polarimetric retrievals. Optics Express, 2021, 29, 4504.	1.7	10
103	The Aerosol Characterization from Polarimeter and Lidar (ACEPOL) airborne field campaign. Earth System Science Data, 2020, 12, 2183-2208.	3.7	10
104	Polarization: ground-based upward-looking and aircraft/satellite-based downward-looking measurements. , 1997, 3220, 103.		9
105	Uncertainty and interpretation of aerosol remote sensing due to vertical inhomogeneity. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 114, 91-100.	1.1	9
106	A Combined Lidar-Polarimeter Inversion Approach for Aerosol Remote Sensing Over Ocean. Frontiers in Remote Sensing, 2021, 2, .	1.3	9
107	Large-Eddy Simulations of Marine Boundary Layer Clouds Associated with Cold-Air Outbreaks during the ACTIVATE Campaign. Part I: Case Setup and Sensitivities to Large-Scale Forcings. Journals of the Atmospheric Sciences, 2022, 79, 73-100.	0.6	8
108	Optical properties of morphologically complex black carbon aerosols: Effects of coatings. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 281, 108080.	1.1	8

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109	An evaluation of the liquid cloud droplet effective radius derived from MODIS, airborne remote sensing, and in situ measurements from CAMP²Ex. Atmospheric Chemistry and Physics, 2022, 22, 8259-8285.	1.9	7
110	WindCam and MSPI: two cloud and aerosol instrument concepts derived from Terra/MISR heritage. Proceedings of SPIE, 2008, , .	0.8	6
111	Observations of Aerosolâ€Cloud Interactions During the North Atlantic Aerosol and Marine Ecosystem Study. Geophysical Research Letters, 2020, 47, e2019GL085851.	1.5	6
112	A Flexible Parameterization for Shortwave and Longwave Optical Properties of Ice Crystals and Derived Bulk Optical Properties for Climate Models. Journals of the Atmospheric Sciences, 2020, 77, 1245-1260.	0.6	6
113	In-flight validation of SPEX airborne spectro-polarimeter onboard NASA's research aircraft ER-2. , 2019, , .		6
114	Comparison of the Born and the Rytov approximations for scattering on quasi-homogeneous media. Optics Communications, 1990, 74, 284-289.	1.0	5
115	Statistical analysis of single-track instrument sampling in spaceborne aerosol remote sensing for climate research. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 121, 69-77.	1.1	5
116	Imager-to-radiometer in-flight cross calibration: RSP radiometric comparison with airborne and satellite sensors. Atmospheric Measurement Techniques, 2016, 9, 955-962.	1.2	5
117	Inference of Precipitation in Warm Stratiform Clouds Using Remotely Sensed Observations of the Cloud Top Droplet Size Distribution. Geophysical Research Letters, 2021, 48, e2021GL092547.	1.5	5
118	Simultaneous Aerosol and Ocean Properties From the PolCube CubeSat Polarimeter. Frontiers in Remote Sensing, 2021, 2, .	1.3	5
119	Semi-empirical BRDF and BPDF models applied to the problem of aerosol retrievals over land: testing on airborne data and implications for modeling of top-of-atmosphere measurements. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 313-340.	0.1	5
120	Low-level liquid cloud properties during ORACLES retrieved using airborne polarimetric measurements and a neural network algorithm. Atmospheric Measurement Techniques, 2020, 13, 3447-3470.	1.2	5
121	<title>MFRSR-based climatologies of atmospheric aerosols, trace gases, and water vapor</title>. , 2001, 4168, 256.		4
122	Accurate monitoring of terrestrial aerosols and total solar irradiance: the NASA Glory mission. , 2010, , .		4
123	Extension and statistical analysis of the GACP aerosol optical thickness record. Atmospheric Research, 2015, 164-165, 268-277.	1.8	4
124	Joint cloud water path and rainwater path retrievals from airborne ORACLES observations. Atmospheric Chemistry and Physics, 2021, 21, 5513-5532.	1.9	4
125	Atmospheric aerosol and trace gas parameter derived from local MFRSR network: multi-instrument data fusion in comparison with satellite retrievals. , 2003, , .		3
126	Erratum to â€œToward unified satellite climatology of aerosol properties: What do fully compatible MODIS and MISR aerosol pixels tell us?â€•[Journal of Quantitative Spectroscopy and Radiative Transfer 110 (2009) 402â€“408]. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 1962-1963.	1.1	3

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127	Retrieval of volcanic and man-made stratospheric aerosols from orbital polarimetric measurements. Optics Express, 2019, 27, A158.	1.7	3
128	Application of Radon Transform to Multi-Angle Measurements Made by the Research Scanning Polarimeter: A New Approach to Cloud Tomography. Part I: Theory and Tests on Simulated Data. Frontiers in Remote Sensing, 2021, 2, .	1.3	3
129	Derivation of 2D fields of aerosol and trace gases parameters by integrated analysis of multi-instrument MFRSR dataset from DOE ARM program CART site. , 2002, , .		2
130	Constraining aerosol single scattering albedos from multiangle multispectral photo-polarimetric observations over the ocean. , 2004, , .		2
131	Atmospheric correction of HyperSpecTIR measurements using the research scanning polarimeter. , 2004, , .		2
132	MODIS aerosol retrieval over urban areas. , 2005, , .		2
133	Characterization of cloud microphysical parameters using airborne measurements by the research scanning polarimeter. , 2013, , .		2
134	Reply to Comment on â€œRetrieval of aerosol properties over the ocean using multispectral and multiangle photopolarimetric measurements from the research scanning polarimeterâ€• Geophysical Research Letters, 2001, 28, 3277-3278.	1.5	1
135	<title>Accuracy versus speed: evaluation of tradeoffs in atmospheric correction methods</title>. , 2002, , .		1
136	Aerosol retrieval over urban areas using spatial regression between V/NIR and MIR Hyperion channels. , 2004, , .		1
137	Accurate monitoring of terrestrial aerosols and total solar irradiance: The NASA Glory mission. , 2010, , .		1
138	First-principles definition and measurement of planetary electromagnetic-energy budget. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2016, 33, 1126.	0.8	1
139	Automated algorithm for remote sensing of atmospheric aerosols and trace gases using MFRSR measurements. , 2004, , .		0
140	Airborne hyperspectral BRDF measurements using the HyperSpecTIR instrument. , 2004, , .		0
141	Remote sensing of fine and coarse mode atmospheric aerosols using ground-based sun-photometry. , 2005, , .		0
142	Remote sensing of absorbing aerosols and precipitable water vapor using MFRSR measurements. , 2006, , .		0
143	Future Mission Concept for 3-D Remote Sensing of Aerosols from Low Earth Orbit. , 2007, , .		0
144	Pixelâ€level analysis of MODIS and MISR aerosol products. , 2009, , .		0

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145	Recent instruments and algorithms for passive shortwave remote sensing. , 2013, , 185-222.		0