

Edward Browell

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153
papers

7,412
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51
h-index

79
g-index

159
ext. papers

7,894
ext. citations

4
avg, IF

4.88
L-index

#	Paper	IF	Citations
153	Biomass-burning emissions and associated haze layers over Amazonia. <i>Journal of Geophysical Research</i> , 1988 , 93, 1509		411
152	Validation of Aura Microwave Limb Sounder stratospheric ozone measurements. <i>Journal of Geophysical Research</i> , 2008 , 113,		211
151	Distribution and geochemistry of aerosols in the tropical north Atlantic troposphere: Relationship to Saharan dust. <i>Journal of Geophysical Research</i> , 1986 , 91, 5173		207
150	Airborne lidar observations in the wintertime Arctic stratosphere: Polar stratospheric clouds. <i>Geophysical Research Letters</i> , 1990 , 17, 385-388	4.9	185
149	Where did tropospheric ozone over southern Africa and the tropical Atlantic come from in October 1992? Insights from TOMS, GTE TRACE A, and SAFARI 1992. <i>Journal of Geophysical Research</i> , 1996 , 101, 24251-24278		183
148	Asian outflow and trans-Pacific transport of carbon monoxide and ozone pollution: An integrated satellite, aircraft, and model perspective. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		168
147	An analysis of lidar observations of polar stratospheric clouds. <i>Geophysical Research Letters</i> , 1990 , 17, 393-396	4.9	146
146	The Amazon Boundary Layer Experiment (ABLE 2A): dry season 1985. <i>Journal of Geophysical Research</i> , 1988 , 93, 1351		129
145	Tropopause fold structure determined from airborne lidar and in situ measurements. <i>Journal of Geophysical Research</i> , 1987 , 92, 2112		126
144	Ultraviolet DIAL measurements of O ₃ profiles in regions of spatially inhomogeneous aerosols. <i>Applied Optics</i> , 1985 , 24, 2827-36	1.7	125
143	Error caused by using a constant extinction/backscattering ratio in the lidar solution. <i>Applied Optics</i> , 1985 , 24, 3929	1.7	123
142	Water-vapor line broadening and shifting by air, nitrogen, oxygen, and argon in the 720-nm wavelength region. <i>Journal of Molecular Spectroscopy</i> , 1989 , 138, 562-595	1.3	122
141	Summertime photochemistry of the troposphere at high northern latitudes. <i>Journal of Geophysical Research</i> , 1992 , 97, 16421		117
140	Light scattering characteristics of various aerosol types derived from multiple wavelength lidar observations. <i>Applied Optics</i> , 1989 , 28, 1670-9	1.7	112
139	NASA multipurpose airborne DIAL system and measurements of ozone and aerosol profiles. <i>Applied Optics</i> , 1983 , 22, 522-34	1.7	111
138	Atmospheric chemistry in the Arctic and subarctic: Influence of natural fires, industrial emissions, and stratospheric inputs. <i>Journal of Geophysical Research</i> , 1992 , 97, 16731		109
137	Aircraft observations of thin cirrus clouds near the tropical tropopause. <i>Journal of Geophysical Research</i> , 2001 , 106, 9765-9786		107

136	Spectroscopy of water vapor in the 720-nm wavelength region: Line strengths, self-induced pressure broadenings and shifts, and temperature dependence of linewidths and shifts. <i>Journal of Molecular Spectroscopy</i> , 1989 , 136, 264-294	1.3	105
135	Diagnostic studies of the Antarctic vortex during the 1987 Airborne Antarctic Ozone Experiment: Ozone miniholes. <i>Journal of Geophysical Research</i> , 1989 , 94, 11641		101
134	Ozone and aerosol distributions and air mass characteristics over the South Atlantic Basin during the burning season. <i>Journal of Geophysical Research</i> , 1996 , 101, 24043-24068		100
133	Ozone production from the 2004 North American boreal fires. <i>Journal of Geophysical Research</i> , 2006 , 111,		98
132	Water vapor differential absorption lidar development and evaluation. <i>Applied Optics</i> , 1979 , 18, 3474-83	1.7	90
131	Atmospheric CO ₂ measurements with a 2 m airborne laser absorption spectrometer employing coherent detection. <i>Applied Optics</i> , 2011 , 50, 2098-111	0.2	87
130	Airborne and spaceborne lidar measurements of water vapor profiles: a sensitivity analysis. <i>Applied Optics</i> , 1989 , 28, 3603-15	1.7	87
129	Aerosol-associated changes in tropical stratospheric ozone following the eruption of Mount Pinatubo. <i>Journal of Geophysical Research</i> , 1994 , 99, 8197		85
128	Cloud draft structure and trace gas transport. <i>Journal of Geophysical Research</i> , 1990 , 95, 17015		78
127	Trace gas exchanges and convective transports over the Amazonian rain forest. <i>Journal of Geophysical Research</i> , 1988 , 93, 1528		77
126	Tropospheric ozone and aerosol distributions across the Amazon Basin. <i>Journal of Geophysical Research</i> , 1988 , 93, 1431		76
125	Air chemistry over the tropical forest of Guyana. <i>Journal of Geophysical Research</i> , 1986 , 91, 8603		76
124	Atmospheric CO ₂ column measurements with an airborne intensity-modulated continuous wave 1.57 m fiber laser lidar. <i>Applied Optics</i> , 2013 , 52, 2874-92	1.7	75
123	Large-scale air mass characteristics observed over western Pacific during summertime. <i>Journal of Geophysical Research</i> , 1996 , 101, 1691-1712		75
122	Impacts of biomass burning in Southeast Asia on ozone and reactive nitrogen over the western Pacific in spring. <i>Journal of Geophysical Research</i> , 2004 , 109,		73
121	Summertime influence of Asian pollution in the free troposphere over North America. <i>Journal of Geophysical Research</i> , 2007 , 112,		72
120	Tropospheric ozone derived from TOMS/SBUV measurements during TRACE A. <i>Journal of Geophysical Research</i> , 1996 , 101, 24069-24082		72
119	Structure and growth of the mixing layer over the Amazonian rain forest. <i>Journal of Geophysical Research</i> , 1988 , 93, 1361		72

118	Boundary layer ozone: An airborne survey above the Amazon Basin. <i>Journal of Geophysical Research</i> , 1988 , 93, 1452		72
117	Model study of tropospheric trace species distributions during PEM-West A. <i>Journal of Geophysical Research</i> , 1996 , 101, 2073-2085		69
116	Summertime tropospheric observations related to N x O y distributions and partitioning over Alaska: Arctic Boundary Layer Expedition 3A. <i>Journal of Geophysical Research</i> , 1992 , 97, 16481		69
115	Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program. <i>Journal of Geophysical Research</i> , 2003 , 108, TOP 4-1		67
114	Analysis of lidar observations of Arctic polar stratospheric clouds during January 1989. <i>Journal of Geophysical Research</i> , 2000 , 105, 20589-20615		64
113	The impact of subvisible cirrus clouds near the tropical tropopause on stratospheric water vapor. <i>Geophysical Research Letters</i> , 1998 , 25, 1883-1886	4.9	64
112	Ozone and aerosol changes during the 1991-1992 airborne arctic stratospheric expedition. <i>Science</i> , 1993 , 261, 1155-8	33.3	63
111	Regional Air Quality Modeling System (RAQMS) predictions of the tropospheric ozone budget over east Asia. <i>Journal of Geophysical Research</i> , 2003 , 108,		62
110	Validation of Tropospheric Emission Spectrometer ozone profiles with aircraft observations during the Intercontinental Chemical Transport ExperimentB. <i>Journal of Geophysical Research</i> , 2008 , 113,		60
109	Chemical transport model ozone simulations for spring 2001 over the western Pacific: Comparisons with TRACE-P lidar, ozonesondes, and Total Ozone Mapping Spectrometer columns. <i>Journal of Geophysical Research</i> , 2003 , 108,		60
108	Airborne Measurements of CO ₂ Column Concentration and Range Using a Pulsed Direct-Detection IPDA Lidar. <i>Remote Sensing</i> , 2014 , 6, 443-469	5	59
107	A meteorological overview of the Pacific Exploratory Mission (PEM) Tropics period. <i>Journal of Geophysical Research</i> , 1999 , 104, 5585-5622		53
106	Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000. <i>Journal of Geophysical Research</i> , 2003 , 108,		52
105	Vertical fine-scale atmospheric structure measured from NASA DC-8 during PEM-West A. <i>Journal of Geophysical Research</i> , 1996 , 101, 1943-1960		52
104	Ozone measurements in Amazonia: Dry season versus wet season. <i>Journal of Geophysical Research</i> , 1990 , 95, 16913		52
103	Measurements of H ₂ O Linestrengths and Air-Induced Broadenings and Shifts in the 815-nm Spectral Region. <i>Journal of Molecular Spectroscopy</i> , 1997 , 185, 58-70	1.3	51
102	Four-Dimensional Variational Assimilation of Water Vapor Differential Absorption Lidar Data: The First Case Study within IHOP_2002. <i>Monthly Weather Review</i> , 2006 , 134, 209-230	2.4	51
101	Walker circulation and tropical upper tropospheric water vapor. <i>Journal of Geophysical Research</i> , 1996 , 101, 1961-1974		50

100	Ozone and aerosol distributions in the summertime troposphere over Canada. <i>Journal of Geophysical Research</i> , 1994 , 99, 1739		49
99	Steady state free radical budgets and ozone photochemistry during TOPSE. <i>Journal of Geophysical Research</i> , 2003 , 108,		48
98	Widespread persistent near-surface ozone depletion at northern high latitudes in spring. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	48
97	Characterization of Upper-Troposphere Water Vapor Measurements during AFWEX Using LASE. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004 , 21, 1790-1808	2	48
96	The Amazon Boundary-Layer Experiment (ABLE 2B): A Meteorological Perspective. <i>Bulletin of the American Meteorological Society</i> , 1990 , 71, 19-32	6.1	48
95	Atmospheric sampling of Supertyphoon Mireille with NASA DC-8 aircraft on September 27, 1991, during PEM-West A. <i>Journal of Geophysical Research</i> , 1996 , 101, 1853-1871		47
94	Large-scale variability of ozone and aerosols in the summertime Arctic and sub-Arctic troposphere. <i>Journal of Geophysical Research</i> , 1992 , 97, 16433		47
93	The reservoir of ozone in the boundary layer of the eastern United States and its potential impact on the global tropospheric ozone budget. <i>Journal of Geophysical Research</i> , 1985 , 90, 5687		47
92	Intercomparison of Water Vapor Data Measured with Lidar during IHOP_2002. Part I: Airborne to Ground-Based Lidar Systems and Comparisons with Chilled-Mirror Hygrometer Radiosondes. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007 , 24, 3-21	2	45
91	Pulsed injection control of a titanium-doped sapphire laser. <i>Optics Letters</i> , 1986 , 11, 712-4	3	43
90	Large-scale ozone and aerosol distributions, air mass characteristics, and ozone fluxes over the western Pacific Ocean in late winter/early spring. <i>Journal of Geophysical Research</i> , 2003 , 108,		42
89	Ozone and aerosol distributions and air mass characteristics over the South Pacific during the burning season. <i>Journal of Geophysical Research</i> , 1999 , 104, 16197-16212		42
88	The photochemistry of synoptic-scale ozone synthesis: Implications for the global tropospheric ozone budget. <i>Journal of Atmospheric Chemistry</i> , 1985 , 3, 299-320	3.2	42
87	Large-scale air mass characteristics observed over the remote tropical Pacific Ocean during March-April 1999: Results from PEM-Tropics B field experiment. <i>Journal of Geophysical Research</i> , 2001 , 106, 32481-32501		41
86	PEM-West A: Meteorological overview. <i>Journal of Geophysical Research</i> , 1996 , 101, 1655-1677		41
85	Airborne differential absorption lidar system for measurements of atmospheric water vapor and aerosols. <i>Applied Optics</i> , 1994 , 33, 6422-38	1.7	41
84	Tropospheric ozone and aerosol observations: The Alaskan Arctic. <i>Journal of Geophysical Research</i> , 1992 , 97, 16451		41
83	Deposition of ozone to tundra. <i>Journal of Geophysical Research</i> , 1992 , 97, 16473		40

82	Observations and model simulations of mixing near the extratropical tropopause. <i>Journal of Geophysical Research</i> , 2006 , 111,		35
81	A case study of transport of tropical marine boundary layer and lower tropospheric air masses to the northern midlatitude upper troposphere. <i>Journal of Geophysical Research</i> , 2000 , 105, 3757-3769		35
80	An assessment of western North Pacific ozone photochemistry based on springtime observations from NASAQ PEM-West B (1994) and TRACE-P (2001) field studies. <i>Journal of Geophysical Research</i> , 2003 , 108,		34
79	Summertime distribution and relations of reactive odd nitrogen species and NO _y in the troposphere over Canada. <i>Journal of Geophysical Research</i> , 1994 , 99, 1863		34
78	Meteorological overview of the Arctic Boundary Layer Expedition (ABLE 3A) flight series. <i>Journal of Geophysical Research</i> , 1992 , 97, 16395		34
77	In situ measurements of tropospheric volcanic plumes in Ecuador and Colombia during TC4. <i>Journal of Geophysical Research</i> , 2011 , 116,		33
76	Amazon Basin ozone and aerosol: Wet season observations. <i>Journal of Geophysical Research</i> , 1990 , 95, 16903		32
75	Ozone measurements in the troposphere of an Amazonian rain forest environment. <i>Journal of Geophysical Research</i> , 1988 , 93, 15850		32
74	Performance simulations for a spaceborne methane lidar mission. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4365-4379	4.4	31
73	A meteorological interpretation of the Arctic Boundary Layer Expedition (ABLE) 3B flight series. <i>Journal of Geophysical Research</i> , 1994 , 99, 1645		30
72	LASE Validation Experiment 1997 , 289-295		30
71	Signatures of tropopause folding in satellite imagery. <i>Journal of Geophysical Research</i> , 2003 , 108,		29
70	Microphysical modeling of the 1999-2000 Arctic winter: 1. Polar stratospheric clouds, denitrification, and dehydration. <i>Journal of Geophysical Research</i> , 2002 , 107, SOL 55-1-SOL 55-21		29
69	Observations of convective and dynamical instabilities in tropopause folds and their contribution to stratosphere-troposphere exchange. <i>Journal of Geophysical Research</i> , 1999 , 104, 21549-21568		29
68	Ozone and aerosol distributions over the Amazon Basin during the wet season. <i>Journal of Geophysical Research</i> , 1990 , 95, 16887		29
67	Western Pacific tropospheric ozone and potential vorticity: Implications for Asian pollution. <i>Geophysical Research Letters</i> , 1997 , 24, 2733-2736	4.9	28
66	Intercomparison of Water Vapor Data Measured with Lidar during IHOP_2002. Part II: Airborne-to-Airborne Systems. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007 , 24, 22-39	2	27
65	Atmospheric transport of pollutants from North America to the North Atlantic Ocean. <i>Nature</i> , 1984 , 308, 722-724	50.4	27

64	Reactive nitrogen and its correlation with O ₃ and CO over the Pacific in winter and early spring. <i>Journal of Geophysical Research</i> , 1997 , 102, 28385-28404		25
63	Influence of a middle-latitude cyclone on tropospheric ozone distributions during a period of TRACE A. <i>Journal of Geophysical Research</i> , 1996 , 101, 23941-23956		25
62	Stratospheric/tropospheric exchange affecting the northern wetlands regions of Canada during summer 1990. <i>Journal of Geophysical Research</i> , 1994 , 99, 1793		25
61	Nonorographic generation of Arctic polar stratospheric clouds during December 1999. <i>Journal of Geophysical Research</i> , 2003 , 108, SOL 68-1		24
60	A meteorological overview of the Subsonic Assessment Ozone and Nitrogen Oxide Experiment (SONEX) period. <i>Journal of Geophysical Research</i> , 2000 , 105, 3633-3651		24
59	Atmospheric CO ₂ column measurements in cloudy conditions using intensity-modulated continuous-wave lidar at 1.57 micron. <i>Optics Express</i> , 2015 , 23, A582-93	3-3	23
58	Observations of Greenhouse Gas Changes Across Summer Frontal Boundaries in the Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD030526	4-4	23
57	Discriminating Types Ia and Ib polar stratospheric clouds in POAM satellite data. <i>Journal of Geophysical Research</i> , 2002 , 107, SOL 34-1		23
56	Temperature sensitivity of differential absorption lidar measurements of water vapor in the 720-nm region. <i>Applied Optics</i> , 1991 , 30, 1517-24	1-7	23
55	Meteorological conditions associated with vertical distributions of aerosols off the west coast of Africa. <i>Journal of Geophysical Research</i> , 1996 , 101, 24105-24115		22
54	First- and second-order backscattering from clouds illuminated by finite beams. <i>Applied Optics</i> , 1972 , 11, 1345-51	1-7	22
53	Remote Sensing of Tropospheric Gases and Aerosols with an Airborne DIAL System. <i>Springer Series in Optical Sciences</i> , 1983 , 138-147	0-5	22
52	Line-shape asymmetry of water vapor absorption lines in the 720-nm wavelength region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1991 , 45, 339-348	2-1	21
51	Observational evidence against mountain-wave generation of ice nuclei as a prerequisite for the formation of three solid nitric acid polar stratospheric clouds observed in the Arctic in early December 1999. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a		20
50	Seasonal evolution of total and gravity wave induced laminae in ozonesonde data in the tropics and subtropics. <i>Geophysical Research Letters</i> , 1998 , 25, 1863-1866	4-9	20
49	Impact of lightning and convection on reactive nitrogen in the tropical free troposphere. <i>Journal of Geophysical Research</i> , 1997 , 102, 28367-28384		19
48	Are the TRACE-P measurements representative of the western Pacific during March 2001?. <i>Journal of Geophysical Research</i> , 2004 , 109,		19
47	An assessment of the ozone loss during the 1999-2000 SOLVE/THESEO 2000 Arctic campaign. <i>Journal of Geophysical Research</i> , 2002 , 107, SOL 3-1		19

46	Upper tropospheric water vapor and cirrus: Comparison of DC-8 observations, preliminary UARS microwave limb sounder measurements and meteorological analyses. <i>Journal of Geophysical Research</i> , 1996 , 101, 1931-1941		19
45	LASE measurements of aerosol and water vapor profiles during TARFOX. <i>Journal of Geophysical Research</i> , 2000 , 105, 9903-9916		18
44	Development of the Lidar Atmospheric Sensing Experiment (LASE) An Advanced Airborne DIAL Instrument 1997 , 281-288		18
43	On the Ability of Space-Based Passive and Active Remote Sensing Observations of CO ₂ to Detect Flux Perturbations to the Carbon Cycle. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 14604-1477	4.4	17
42	Modeling of intensity-modulated continuous-wave laser absorption spectrometer systems for atmospheric CO ₂ column measurements. <i>Applied Optics</i> , 2013 , 52, 7062-77	1.7	17
41	Recent Lidar Technology Developments and Their Influence on Measurements of Tropospheric Water Vapor. <i>Journal of Atmospheric and Oceanic Technology</i> , 1994 , 11, 76-84	2	17
40	Ultraviolet optical constants of water and ammonia ices. <i>Journal of the Optical Society of America</i> , 1975 , 65, 919		16
39	Resolution dependence of cross-tropopause ozone transport over east Asia. <i>Journal of Geophysical Research</i> , 2005 , 110,		15
38	Observation of pollution plume capping by a tropopause fold. <i>Geophysical Research Letters</i> , 2001 , 28, 3243-3246	4.9	15
37	Raman shifting of KrF laser radiation for tropospheric ozone measurements. <i>Applied Optics</i> , 1991 , 30, 2628-33	1.7	15
36	A modeling study of an East Asian convective complex during March 2001. <i>Journal of Geophysical Research</i> , 2004 , 109,		13
35	Lidar Measurements Of Tropospheric Gases. <i>Optical Engineering</i> , 1982 , 21, 211128	1.1	13
34	An ozone depletion event in the sub-arctic surface layer over Hudson Bay, Canada. <i>Journal of Atmospheric Chemistry</i> , 2007 , 57, 255-280	3.2	12
33	Atmospheric chemical transport based on high-resolution model-derived winds: A case study. <i>Journal of Geophysical Research</i> , 2000 , 105, 3807-3820		12
32	Correlative stratospheric ozone measurements with the airborne UV DIAL system during TOTE/VOTE. <i>Geophysical Research Letters</i> , 1998 , 25, 623-626	4.9	12
31	Polar stratospheric clouds during SOLVE/THESEO: Comparison of lidar observations with in situ measurements. <i>Journal of Geophysical Research</i> , 2004 , 109,		11
30	Microphysical modeling of the 1999-2000 Arctic winter: 3. Impact of homogeneous freezing on polar stratospheric clouds. <i>Journal of Geophysical Research</i> , 2004 , 109,		11
29	Raman-shifted dye laser for water vapor DIAL measurements. <i>Applied Optics</i> , 1987 , 26, 1617-21	1.7	11

28	Lidar Reflectance of Fair-Weather Cumulus Clouds at 0.903 micro. <i>Applied Optics</i> , 1972 , 11, 697-8	1.7	11
27	Analysis of laser fluorosensor systems for remote algae detection and quantification / Edward V. Brownell. 1977 ,		11
26	Evaluation of OCO-2 X Variability at Local and Synoptic Scales using Lidar and In Situ Observations from the ACT-America Campaigns. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031400	4.4	10
25	Airborne lidar observations of long-range transport in the free troposphere. <i>Environmental Science & Technology</i> , 1984 , 18, 749-756	10.3	10
24	The Atmospheric Carbon and Transport (ACT)-America Mission. <i>Bulletin of the American Meteorological Society</i> , 2021 , 102, E1714-E1734	6.1	10
23	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1988 , 40B, 393-407	3.3	9
22	Advanced Airborne UV DIAL System for Stratospheric and Tropospheric Ozone and Aerosol Measurements 1997 , 395-398		9
21	Influence of lower tropospheric ozone on total column ozone as observed over the Pacific Ocean during the 1991 PEM-West A expedition. <i>Journal of Geophysical Research</i> , 1996 , 101, 1919-1930		8
20	Spectral control of an alexandrite laser for an airborne water-vapor differential absorption lidar system. <i>Applied Optics</i> , 1994 , 33, 6439-50	1.7	8
19	Atmospheric Carbon and Transport - America (ACT-America) Data Sets: Description, Management, and Delivery. <i>Earth and Space Science</i> , 2021 , 8, e2020EA001634	3.1	7
18	Shuttle lidar resonance fluorescence investigations. 1: Analysis of Na and K measurements. <i>Applied Optics</i> , 1982 , 21, 2365-72	1.7	6
17	Long-range convective ozone transport during INTEX. <i>Journal of Geophysical Research</i> , 2008 , 113,		5
16	Ozone and aerosol measurements with an airborne lidar system. <i>Optics and Photonics News</i> , 1991 , 2, 8	1.9	5
15	Reply to: Pulsed-Lidar Reflectance of Clouds. <i>Applied Optics</i> , 1973 , 12, 428	1.7	4
14	Airborne Lidar Measurements.. <i>The Review of Laser Engineering</i> , 1995 , 23, 135-141	0	4
13	Estimation of Arctic polar vortex ozone loss during the winter of 1999-2000 using vortex-averaged airborne differential absorption lidar ozone measurements referenced to N2O isopleths. <i>Journal of Geophysical Research</i> , 2003 , 108,		3
12	Airborne Lidar Measurements of Ozone and Aerosols During PEM-West A and PEM-West B 1997 , 355-358		3
11	Airborne and spaceborne lidar measurements of water vapor profiles: a sensitivity analysis; erratum. <i>Applied Optics</i> , 1989 , 28, 4981	1.7	2

10	Shuttle lidar resonance fluorescence investigations. 2: Analysis of thermospheric Mg(+) measurements. <i>Applied Optics</i> , 1982 , 21, 2373-80	1.7	2
9	Regional-Scale, Sector-Specific Evaluation of Global CO ₂ Inversion Models Using Aircraft Data From the ACT-America Project. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033623	4.4	2
8	Cumulus Cloud Venting of Mixed Layer Ozone 1985 , 745-749		1
7	Atmospheric Carbon and Transport [America (ACT-America) Datasets: Description, Management, and Delivery		1
6	Differential Absorption Lidar Detection of Ozone in the Troposphere and Lower Stratosphere 1990 , 77-89		0
5	Comparison of satellite total ozone measurements with the distribution of tropospheric ozone obtained by an airborne UV-DIAL system over the Amazon Basin. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1988 , 40, 393-407	3.3	
4	Advanced Airborne Water Vapor DIAL Development and Measurements 1997 , 301-304		
3	Remote Sensing from Space Platforms. <i>Springer Series in Optical Sciences</i> , 1985 , 22-24	0.5	
2	Lasers and Optoelectronics for Earth Observation 1986 , 557-570		
1	High-Resolution Water Vapor Spectroscopic Measurements in the 720-nm Region for Lidar Meteorological Applications. <i>Springer Series in Optical Sciences</i> , 1987 , 361-363	0.5	