

Edward Browell

List of Publications by Year in descending order

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153
papers

8,602
citations

36271

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159
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159
docs citations

159
times ranked

4328
citing authors

#	ARTICLE	IF	CITATIONS
1	Regional-Scale, Sector-Specific Evaluation of Global CO ₂ Inversion Models Using Aircraft Data From the ACT-America Project. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033623.	1.2	4
2	Atmospheric Carbon and Transport “ America (ACT-America) Data Sets: Description, Management, and Delivery. Earth and Space Science, 2021, 8, e2020EA001634.	1.1	15
3	The Atmospheric Carbon and Transport (ACT)-America Mission. Bulletin of the American Meteorological Society, 2021, 102, E1714-E1734.	1.7	17
4	Observations of Greenhouse Gas Changes Across Summer Frontal Boundaries in the Eastern United States. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030526.	1.2	34
5	Evaluation of OCO ₂ X Variability at Local and Synoptic Scales using Lidar and In Situ Observations from the ACT-America Campaigns. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031400.	1.2	16
6	On the Ability of Space-Based Passive and Active Remote Sensing Observations of CO ₂ to Detect Flux Perturbations to the Carbon Cycle. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1460-1477.	1.2	25
7	Atmospheric CO ₂ column measurements in cloudy conditions using intensity-modulated continuous-wave lidar at 157 micron. Optics Express, 2015, 23, A582.	1.7	27
8	Airborne Measurements of CO ₂ Column Concentration and Range Using a Pulsed Direct-Detection IPDA Lidar. Remote Sensing, 2014, 6, 443-469.	1.8	70
9	Performance simulations for a spaceborne methane lidar mission. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4365-4379.	1.2	38
10	Modeling of intensity-modulated continuous-wave laser absorption spectrometer systems for atmospheric CO ₂ column measurements. Applied Optics, 2013, 52, 7062.	0.9	19
11	Atmospheric CO ₂ column measurements with an airborne intensity-modulated continuous wave 157Å¼m fiber laser lidar. Applied Optics, 2013, 52, 2874.	0.9	95
12	In situ measurements of tropospheric volcanic plumes in Ecuador and Colombia during TC ⁴ . Journal of Geophysical Research, 2011, 116, .	3.3	41
13	Atmospheric CO ₂ measurements with a 2Å¼m airborne laser absorption spectrometer employing coherent detection. Applied Optics, 2011, 50, 2098.	2.1	118
14	Validation of Aura Microwave Limb Sounder stratospheric ozone measurements. Journal of Geophysical Research, 2008, 113, .	3.3	274
15	Validation of Tropospheric Emission Spectrometer ozone profiles with aircraft observations during the Intercontinental Chemical Transport Experiment“B. Journal of Geophysical Research, 2008, 113, .	3.3	70
16	Long-range convective ozone transport during INTEX. Journal of Geophysical Research, 2008, 113, .	3.3	5
17	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. Journal of Atmospheric and Oceanic Technology, 2007, 24, 3-21.	0.5	48
18	Intercomparison of Water Vapor Data Measured with Lidar during IHOP_2002. Part II: Airborne-to-Airborne Systems. Journal of Atmospheric and Oceanic Technology, 2007, 24, 22-39.	0.5	30

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19	Summertime influence of Asian pollution in the free troposphere over North America. Journal of Geophysical Research, 2007, 112, .	3.3	86
20	An ozone depletion event in the sub-arctic surface layer over Hudson Bay, Canada. Journal of Atmospheric Chemistry, 2007, 57, 255-280.	1.4	13
21	Observations and model simulations of mixing near the extratropical tropopause. Journal of Geophysical Research, 2006, 111, .	3.3	38
22	Ozone production from the 2004 North American boreal fires. Journal of Geophysical Research, 2006, 111, .	3.3	114
23	Four-Dimensional Variational Assimilation of Water Vapor Differential Absorption Lidar Data: The First Case Study within IHOP_2002. Monthly Weather Review, 2006, 134, 209-230.	0.5	57
24	Resolution dependence of cross-tropopause ozone transport over east Asia. Journal of Geophysical Research, 2005, 110, .	3.3	17
25	Polar stratospheric clouds during SOLVE/THESEO: Comparison of lidar observations with in situ measurements. Journal of Geophysical Research, 2004, 109, .	3.3	11
26	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. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	27
27	Are the TRACE-P measurements representative of the western Pacific during March 2001?. Journal of Geophysical Research, 2004, 109, .	3.3	20
28	Impacts of biomass burning in Southeast Asia on ozone and reactive nitrogen over the western Pacific in spring. Journal of Geophysical Research, 2004, 109, .	3.3	80
29	A modeling study of an East Asian convective complex during March 2001. Journal of Geophysical Research, 2004, 109, .	3.3	14
30	Microphysical modeling of the 1999â€“2000 Arctic winter: 3. Impact of homogeneous freezing on polar stratospheric clouds. Journal of Geophysical Research, 2004, 109, .	3.3	12
31	Characterization of Upper-Troposphere Water Vapor Measurements during AFWEX Using LASE. Journal of Atmospheric and Oceanic Technology, 2004, 21, 1790-1808.	0.5	59
32	Nonorographic generation of Arctic polar stratospheric clouds during December 1999. Journal of Geophysical Research, 2003, 108, SOL 68-1.	3.3	26
33	Signatures of tropopause folding in satellite imagery. Journal of Geophysical Research, 2003, 108, .	3.3	35
34	Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000. Journal of Geophysical Research, 2003, 108, .	3.3	59
35	Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program. Journal of Geophysical Research, 2003, 108, TOP 4-1.	3.3	75
36	Steady state free radical budgets and ozone photochemistry during TOPSE. Journal of Geophysical Research, 2003, 108, .	3.3	57

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37	Estimation of Arctic polar vortex ozone loss during the winter of 1999â€“2000 using vortex-averaged airborne differential absorption lidar ozone measurements referenced to N2O isopleths. Journal of Geophysical Research, 2003, 108, .	3.3	4
38	Regional Air Quality Modeling System (RAQMS) predictions of the tropospheric ozone budget over east Asia. Journal of Geophysical Research, 2003, 108, .	3.3	67
39	An assessment of western North Pacific ozone photochemistry based on springtime observations from NASA's PEM-West B (1994) and TRACE-P (2001) field studies. Journal of Geophysical Research, 2003, 108, .	3.3	35
40	Chemical transport model ozone simulations for spring 2001 over the western Pacific: Comparisons with TRACE-P lidar, ozonesondes, and Total Ozone Mapping Spectrometer columns. Journal of Geophysical Research, 2003, 108, .	3.3	64
41	Large-scale ozone and aerosol distributions, air mass characteristics, and ozone fluxes over the western Pacific Ocean in late winter/early spring. Journal of Geophysical Research, 2003, 108, .	3.3	46
42	Widespread persistent near-surface ozone depletion at northern high latitudes in spring. Geophysical Research Letters, 2003, 30, .	1.5	53
43	Asian outflow and trans-Pacific transport of carbon monoxide and ozone pollution: An integrated satellite, aircraft, and model perspective. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	196
44	An assessment of the ozone loss during the 1999â€“2000 SOLVE/THESEO 2000 Arctic campaign. Journal of Geophysical Research, 2002, 107, SOL 3-1.	3.3	22
45	Discriminating Types Ia and Ib polar stratospheric clouds in POAM satellite data. Journal of Geophysical Research, 2002, 107, SOL 34-1.	3.3	27
46	Microphysical modeling of the 1999-2000 Arctic winter: 1. Polar stratospheric clouds, denitrification, and dehydration. Journal of Geophysical Research, 2002, 107, SOL 55-1-SOL 55-21.	3.3	42
47	Large-scale air mass characteristics observed over the remote tropical Pacific Ocean during March-April 1999: Results from PEM-Tropics B field experiment. Journal of Geophysical Research, 2001, 106, 32481-32501.	3.3	43
48	Aircraft observations of thin cirrus clouds near the tropical tropopause. Journal of Geophysical Research, 2001, 106, 9765-9786.	3.3	122
49	Observation of pollution plume capping by a tropopause fold. Geophysical Research Letters, 2001, 28, 3243-3246.	1.5	16
50	Analysis of lidar observations of Arctic polar stratospheric clouds during January 1989. Journal of Geophysical Research, 2000, 105, 20589-20615.	3.3	80
51	A meteorological overview of the Subsonic Assessment Ozone and Nitrogen Oxide Experiment (SONEX) period. Journal of Geophysical Research, 2000, 105, 3633-3651.	3.3	26
52	Atmospheric chemical transport based on high-resolution model-derived winds: A case study. Journal of Geophysical Research, 2000, 105, 3807-3820.	3.3	13
53	A case study of transport of tropical marine boundary layer and lower tropospheric air masses to the northern midlatitude upper troposphere. Journal of Geophysical Research, 2000, 105, 3757-3769.	3.3	37
54	LASE measurements of aerosol and water vapor profiles during TARFOX. Journal of Geophysical Research, 2000, 105, 9903-9916.	3.3	20

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55	A meteorological overview of the Pacific Exploratory Mission (PEM) Tropics period. Journal of Geophysical Research, 1999, 104, 5585-5622.	3.3	58
56	Ozone and aerosol distributions and air mass characteristics over the South Pacific during the burning season. Journal of Geophysical Research, 1999, 104, 16197-16212.	3.3	51
57	Observations of convective and dynamical instabilities in tropopause folds and their contribution to stratosphere-troposphere exchange. Journal of Geophysical Research, 1999, 104, 21549-21568.	3.3	34
58	Correlative stratospheric ozone measurements with the airborne UV DIAL system during TOTE/VOTE. Geophysical Research Letters, 1998, 25, 623-626.	1.5	15
59	The impact of subvisible cirrus clouds near the tropical tropopause on stratospheric water vapor. Geophysical Research Letters, 1998, 25, 1883-1886.	1.5	71
60	Seasonal evolution of total and gravity wave induced laminae in ozonesonde data in the tropics and subtropics. Geophysical Research Letters, 1998, 25, 1863-1866.	1.5	22
61	Impact of lightning and convection on reactive nitrogen in the tropical free troposphere. Journal of Geophysical Research, 1997, 102, 28367-28384.	3.3	21
62	Reactive nitrogen and its correlation with O ₃ and CO over the Pacific in winter and early spring. Journal of Geophysical Research, 1997, 102, 28385-28404.	3.3	25
63	Western Pacific tropospheric ozone and potential vorticity: Implications for Asian pollution. Geophysical Research Letters, 1997, 24, 2733-2736.	1.5	35
64	Measurements of H ₂ O Linestrengths and Air-Induced Broadenings and Shifts in the 815-nm Spectral Region. Journal of Molecular Spectroscopy, 1997, 185, 58-70.	0.4	55
65	Development of the Lidar Atmospheric Sensing Experiment (LASE) – An Advanced Airborne DIAL Instrument. , 1997, , 281-288.		26
66	Airborne Lidar Measurements of Ozone and Aerosols During PEM-West A and PEM-West B. , 1997, , 355-358.		4
67	Advanced Airborne Water Vapor DIAL Development and Measurements. , 1997, , 301-304.		0
68	Influence of lower tropospheric ozone on total column ozone as observed over the Pacific Ocean during the 1991 PEM-West A expedition. Journal of Geophysical Research, 1996, 101, 1919-1930.	3.3	9
69	Upper tropospheric water vapor and cirrus: Comparison of DC-8 observations, preliminary UARS microwave limb sounder measurements and meteorological analyses. Journal of Geophysical Research, 1996, 101, 1931-1941.	3.3	22
70	Atmospheric sampling of Super typhoon Mireille with NASA DC-8 aircraft on September 27, 1991, during PEM-West A. Journal of Geophysical Research, 1996, 101, 1853-1871.	3.3	53
71	Large-scale air mass characteristics observed over western Pacific during summertime. Journal of Geophysical Research, 1996, 101, 1691-1712.	3.3	77
72	Walker circulation and tropical upper tropospheric water vapor. Journal of Geophysical Research, 1996, 101, 1961-1974.	3.3	58

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73	Model study of tropospheric trace species distributions during PEM-West A. Journal of Geophysical Research, 1996, 101, 2073-2085.	3.3	76
74	Ozone and aerosol distributions and air mass characteristics over the South Atlantic Basin during the burning season. Journal of Geophysical Research, 1996, 101, 24043-24068.	3.3	101
75	Vertical fine-scale atmospheric structure measured from NASA DC-8 during PEM-West A. Journal of Geophysical Research, 1996, 101, 1943-1960.	3.3	61
76	PEM-West A: Meteorological overview. Journal of Geophysical Research, 1996, 101, 1655-1677.	3.3	48
77	Meteorological conditions associated with vertical distributions of aerosols off the west coast of Africa. Journal of Geophysical Research, 1996, 101, 24105-24115.	3.3	23
78	Influence of a middle-latitude cyclone on tropospheric ozone distributions during a period of TRACE A. Journal of Geophysical Research, 1996, 101, 23941-23956.	3.3	26
79	Tropospheric ozone derived from TOMS/SBUV measurements during TRACE A. Journal of Geophysical Research, 1996, 101, 24069-24082.	3.3	80
80	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. Journal of Geophysical Research, 1996, 101, 24251-24278.	3.3	209
81	Airborne Lidar Measurements.. The Review of Laser Engineering, 1995, 23, 135-141.	0.0	6
82	A meteorological interpretation of the Arctic Boundary Layer Expedition (ABLE) 3B flight series. Journal of Geophysical Research, 1994, 99, 1645.	3.3	31
83	Ozone and aerosol distributions in the summertime troposphere over Canada. Journal of Geophysical Research, 1994, 99, 1739.	3.3	52
84	Summertime distribution and relations of reactive odd nitrogen species and NO _y in the troposphere over Canada. Journal of Geophysical Research, 1994, 99, 1863.	3.3	37
85	Stratospheric/tropospheric exchange affecting the northern wetlands regions of Canada during summer 1990. Journal of Geophysical Research, 1994, 99, 1793.	3.3	26
86	Aerosol-associated changes in tropical stratospheric ozone following the eruption of Mount Pinatubo. Journal of Geophysical Research, 1994, 99, 8197.	3.3	95
87	Airborne differential absorption lidar system for measurements of atmospheric water vapor and aerosols. Applied Optics, 1994, 33, 6422.	2.1	56
88	Spectral control of an alexandrite laser for an airborne water-vapor differential absorption lidar system. Applied Optics, 1994, 33, 6439.	2.1	13
89	Laser remote sensing from aircraft and spacecraft. , 1994, , .		0
90	Recent Lidar Technology Developments and Their Influence on Measurements of Tropospheric Water Vapor. Journal of Atmospheric and Oceanic Technology, 1994, 11, 76-84.	0.5	21

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91	Ozone and Aerosol Changes During the 1991-1992 Airborne Arctic Stratospheric Expedition. <i>Science</i> , 1993, 261, 1155-1158.	6.0	71
92	<title>Wavelength-stabilized laser diode injection-seeding of an alexandrite laser for airborne water vapor DIAL measurements</title>. , 1993, , .		3
93	Tropospheric ozone and aerosol observations: The Alaskan Arctic. <i>Journal of Geophysical Research</i> , 1992, 97, 16451-16471.	3.3	44
94	Summertime photochemistry of the troposphere at high northern latitudes. <i>Journal of Geophysical Research</i> , 1992, 97, 16421-16431.	3.3	127
95	Meteorological overview of the Arctic Boundary Layer Expedition (ABLE 3A) flight series. <i>Journal of Geophysical Research</i> , 1992, 97, 16395-16419.	3.3	34
96	Deposition of ozone to tundra. <i>Journal of Geophysical Research</i> , 1992, 97, 16473-16479.	3.3	45
97	Large-scale variability of ozone and aerosols in the summertime Arctic and sub-Arctic troposphere. <i>Journal of Geophysical Research</i> , 1992, 97, 16433-16450.	3.3	52
98	Atmospheric chemistry in the Arctic and subarctic: Influence of natural fires, industrial emissions, and stratospheric inputs. <i>Journal of Geophysical Research</i> , 1992, 97, 16731-16746.	3.3	120
99	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, 16481-16509.	3.3	71
100	Temperature sensitivity of differential absorption lidar measurements of water vapor in the 720-nm region. <i>Applied Optics</i> , 1991, 30, 1517.	2.1	27
101	Raman shifting of KrF laser radiation for tropospheric ozone measurements. <i>Applied Optics</i> , 1991, 30, 2628.	2.1	19
102	Ozone and aerosol measurements with an airborne lidar system. <i>Optics and Photonics News</i> , 1991, 2, 8.	0.4	12
103	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.	1.1	22
104	Airborne water vapor DIAL system development. , 1990, , .		3
105	The Amazon Boundary-Layer Experiment (ABLE 2B): A Meteorological Perspective. <i>Bulletin of the American Meteorological Society</i> , 1990, 71, 19-32.	1.7	59
106	Airborne lidar observations in the wintertime Arctic stratosphere: Polar stratospheric clouds. <i>Geophysical Research Letters</i> , 1990, 17, 385-388.	1.5	215
107	An analysis of lidar observations of polar stratospheric clouds. <i>Geophysical Research Letters</i> , 1990, 17, 393-396.	1.5	170
108	Ozone and aerosol distributions over the Amazon Basin during the wet season. <i>Journal of Geophysical Research</i> , 1990, 95, 16887-16901.	3.3	39

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109	Amazon Basin ozone and aerosol: Wet season observations. <i>Journal of Geophysical Research</i> , 1990, 95, 16903-16912.	3.3	34
110	Ozone measurements in Amazonia: Dry season versus wet season. <i>Journal of Geophysical Research</i> , 1990, 95, 16913-16926.	3.3	58
111	Cloud draft structure and trace gas transport. <i>Journal of Geophysical Research</i> , 1990, 95, 17015-17030.	3.3	84
112	Differential Absorption Lidar Detection of Ozone in the Troposphere and Lower Stratosphere. , 1990, , 77-89.		2
113	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.	0.4	136
114	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.	0.4	119
115	Diagnostic studies of the Antarctic vortex during the 1987 Airborne Antarctic Ozone Experiment: Ozone miniholes. <i>Journal of Geophysical Research</i> , 1989, 94, 11641-11668.	3.3	111
116	Light scattering characteristics of various aerosol types derived from multiple wavelength lidar observations. <i>Applied Optics</i> , 1989, 28, 1670.	2.1	139
117	Airborne and spaceborne lidar measurements of water vapor profiles: a sensitivity analysis. <i>Applied Optics</i> , 1989, 28, 3603.	2.1	115
118	Airborne and spaceborne lidar measurements of water vapor profiles: a sensitivity analysis; erratum. <i>Applied Optics</i> , 1989, 28, 4981.	2.1	2
119	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, 40B, 393-407.	0.8	11
120	The Amazon Boundary Layer Experiment (ABLE 2A): dry season 1985. <i>Journal of Geophysical Research</i> , 1988, 93, 1351-1360.	3.3	149
121	Structure and growth of the mixing layer over the Amazonian rain forest. <i>Journal of Geophysical Research</i> , 1988, 93, 1361-1375.	3.3	91
122	Tropospheric ozone and aerosol distributions across the Amazon Basin. <i>Journal of Geophysical Research</i> , 1988, 93, 1431-1451.	3.3	87
123	Boundary layer ozone: An airborne survey above the Amazon Basin. <i>Journal of Geophysical Research</i> , 1988, 93, 1452-1468.	3.3	83
124	Biomass burning emissions and associated haze layers over Amazonia. <i>Journal of Geophysical Research</i> , 1988, 93, 1509-1527.	3.3	465
125	Trace gas exchanges and convective transports over the Amazonian rain forest. <i>Journal of Geophysical Research</i> , 1988, 93, 1528-1550.	3.3	81
126	Ozone measurements in the troposphere of an Amazonian rain forest environment. <i>Journal of Geophysical Research</i> , 1988, 93, 15850-15860.	3.3	35

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127	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.	0.8	1
128	Tropopause fold structure determined from airborne lidar and in situ measurements. <i>Journal of Geophysical Research</i> , 1987, 92, 2112-2120.	3.3	149
129	Raman-shifted dye laser for water vapor DIAL measurements. <i>Applied Optics</i> , 1987, 26, 1617.	2.1	13
130	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	0
131	Pulsed injection control of a titanium-doped sapphire laser. <i>Optics Letters</i> , 1986, 11, 712.	1.7	48
132	Distribution and geochemistry of aerosols in the tropical north Atlantic troposphere: Relationship to Saharan dust. <i>Journal of Geophysical Research</i> , 1986, 91, 5173-5182.	3.3	237
133	Air chemistry over the tropical forest of Guyana. <i>Journal of Geophysical Research</i> , 1986, 91, 8603-8612.	3.3	86
134	Lasers and Optoelectronics for Earth Observation. , 1986, , 557-570.		0
135	The photochemistry of synoptic-scale ozone synthesis: Implications for the global tropospheric ozone budget. <i>Journal of Atmospheric Chemistry</i> , 1985, 3, 299-320.	1.4	44
136	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, 5687-5698.	3.3	50
137	Ultraviolet DIAL measurements of O ₃ profiles in regions of spatially inhomogeneous aerosols. <i>Applied Optics</i> , 1985, 24, 2827.	2.1	150
138	Error caused by using a constant extinction/backscattering ratio in the lidar solution. <i>Applied Optics</i> , 1985, 24, 3929.	2.1	152
139	Cumulus Cloud Venting of Mixed Layer Ozone. , 1985, , 745-749.		3
140	Remote Sensing from Space Platforms. <i>Springer Series in Optical Sciences</i> , 1985, , 22-24.	0.5	0
141	Atmospheric transport of pollutants from North America to the North Atlantic Ocean. <i>Nature</i> , 1984, 308, 722-724.	13.7	32
142	Airborne lidar observations of long-range transport in the free troposphere. <i>Environmental Science & Technology</i> , 1984, 18, 749-756.	4.6	12
143	NASA multipurpose airborne DIAL system and measurements of ozone and aerosol profiles. <i>Applied Optics</i> , 1983, 22, 522.	2.1	131
144	Remote Sensing of Tropospheric Gases and Aerosols with an Airborne DIAL System. <i>Springer Series in Optical Sciences</i> , 1983, , 138-147.	0.5	29

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145	Lidar Measurements Of Tropospheric Gases. Optical Engineering, 1982, 21, 211128.	0.5	15
146	Shuttle lidar resonance fluorescence investigations 1: Analysis of Na and K measurements. Applied Optics, 1982, 21, 2365.	2.1	7
147	Shuttle lidar resonance fluorescence investigations 2: Analysis of thermospheric Mg ⁺ measurements. Applied Optics, 1982, 21, 2373.	2.1	4
148	<title>Lidar Measurements Of Tropospheric Gases</title>. , 1981, , .		0
149	Water vapor differential absorption lidar development and evaluation. Applied Optics, 1979, 18, 3474.	2.1	116
150	Ultraviolet optical constants of water and ammonia ices. Journal of the Optical Society of America, 1975, 65, 919.	1.2	24
151	Reply to: Pulsed-Lidar Reflectance of Clouds. Applied Optics, 1973, 12, 428.	2.1	4
152	Lidar Reflectance of Fair-Weather Cumulus Clouds at 0903 ¼. Applied Optics, 1972, 11, 697.	2.1	14
153	First- and Second-Order Backscattering from Clouds Illuminated by Finite Beams. Applied Optics, 1972, 11, 1345.	2.1	24