

Ru-Shan Gao

List of Publications by Year in descending order

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138
papers

7,894
citations

53794

45
h-index

62596

80
g-index

148
all docs

148
docs citations

148
times ranked

5858
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-particle measurements of midlatitude black carbon and light-scattering aerosols from the boundary layer to the lower stratosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	594
2	Measurement of the mixing state, mass, and optical size of individual black carbon particles in urban and biomass burning emissions. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	388
3	Removal of Stratospheric O ₃ by Radicals: In Situ Measurements of OH, HO ₂ , NO, NO ₂ , ClO, and BrO. <i>Science</i> , 1994, 266, 398-404.	12.6	384
4	The Detection of Large HNO ₃ -Containing Particles in the Winter Arctic Stratosphere. <i>Science</i> , 2001, 291, 1026-1031.	12.6	279
5	An Inter-Comparison of Instruments Measuring Black Carbon Content of Soot Particles. <i>Aerosol Science and Technology</i> , 2007, 41, 295-314.	3.1	276
6	Coatings and their enhancement of black carbon light absorption in the tropical atmosphere. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	266
7	A Novel Method for Estimating Light-Scattering Properties of Soot Aerosols Using a Modified Single-Particle Soot Photometer. <i>Aerosol Science and Technology</i> , 2007, 41, 125-135.	3.1	258
8	Long-term ozone trends at rural ozone monitoring sites across the United States, 1990–2010. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	180
9	Global-scale black carbon profiles observed in the remote atmosphere and compared to models. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	172
10	Absolute and angular efficiencies of a microchannel-plate position-sensitive detector. <i>Review of Scientific Instruments</i> , 1984, 55, 1756-1759.	1.3	165
11	Emission Measurements of the Concorde Supersonic Aircraft in the Lower Stratosphere. <i>Science</i> , 1995, 270, 70-74.	12.6	165
12	Black carbon lofts wildfire smoke high into the stratosphere to form a persistent plume. <i>Science</i> , 2019, 365, 587-590.	12.6	159
13	The Detection Efficiency of the Single Particle Soot Photometer. <i>Aerosol Science and Technology</i> , 2010, 44, 612-628.	3.1	151
14	Atmospheric observations of Arctic Ocean methane emissions up to 82° north. <i>Nature Geoscience</i> , 2012, 5, 318-321.	12.9	124
15	Global-scale seasonally resolved black carbon vertical profiles over the Pacific. <i>Geophysical Research Letters</i> , 2013, 40, 5542-5547.	4.0	124
16	A new interpretation of total column BrO during Arctic spring. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	116
17	Black carbon aerosol size in snow. <i>Scientific Reports</i> , 2013, 3, 1356.	3.3	115
18	Evidence That Nitric Acid Increases Relative Humidity in Low-Temperature Cirrus Clouds. <i>Science</i> , 2004, 303, 516-520.	12.6	110

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19	Efficient transport of tropospheric aerosol into the stratosphere via the Asian summer monsoon anticyclone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6972-6977.	7.1	106
20	Assessing Single Particle Soot Photometer and Integrating Sphere/Integrating Sandwich Spectrophotometer measurement techniques for quantifying black carbon concentration in snow. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2581-2592.	3.1	96
21	Airborne observations of regional variation in fluorescent aerosol across the United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1153-1170.	3.3	93
22	Active and widespread halogen chemistry in the tropical and subtropical free troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 9281-9286.	7.1	91
23	Twilight observations suggest unknown sources of HOx. <i>Geophysical Research Letters</i> , 1999, 26, 1373-1376.	4.0	85
24	Chemical behavior of the tropopause observed during the Stratosphere-Troposphere Analyses of Regional Transport experiment. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	85
25	A vortex-scale simulation of the growth and sedimentation of large nitric acid hydrate particles. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 43-1.	3.3	80
26	The NASA Airborne Tropical Tropopause Experiment: High-Altitude Aircraft Measurements in the Tropical Western Pacific. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 129-143.	3.3	79
27	The diurnal variation of hydrogen, nitrogen, and chlorine radicals: Implications for the heterogeneous production of HNO ₂ . <i>Geophysical Research Letters</i> , 1994, 21, 2551-2554.	4.0	76
28	In situ observations in aircraft exhaust plumes in the lower stratosphere at midlatitudes. <i>Journal of Geophysical Research</i> , 1995, 100, 3065.	3.3	73
29	Severe and extensive denitrification in the 1999-2000 Arctic winter stratosphere. <i>Geophysical Research Letters</i> , 2001, 28, 2875-2878.	4.0	71
30	A light-weight, high-sensitivity particle spectrometer for PM _{2.5} aerosol measurements. <i>Aerosol Science and Technology</i> , 2016, 50, 88-99.	3.1	71
31	Quantifying Stratospheric Ozone in the Upper Troposphere with in Situ Measurements of HCl. <i>Science</i> , 2004, 304, 261-265.	12.6	68
32	Aircraft observations of enhancement and depletion of black carbon mass in the springtime Arctic. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9667-9680.	4.9	68
33	The distribution of hydrogen, nitrogen, and chlorine radicals in the lower stratosphere: Implications for changes in O ₃ due to emission of NO _y from supersonic aircraft. <i>Geophysical Research Letters</i> , 1994, 21, 2547-2550.	4.0	67
34	Carbonaceous aerosol (soot) measured in the lower stratosphere during POLARIS and its role in stratospheric photochemistry. <i>Journal of Geophysical Research</i> , 1999, 104, 26753-26766.	3.3	66
35	Nitric acid uptake on subtropical cirrus cloud particles. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	62
36	A comparison of observations and model simulations of NO _x /NO _y in the lower stratosphere. <i>Geophysical Research Letters</i> , 1999, 26, 1153-1156.	4.0	61

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37	Empirical correlations between black carbon aerosol and carbon monoxide in the lower and middle troposphere. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	60
38	Aerosol size distributions during the Atmospheric Tomography Mission (ATom): methods, uncertainties, and data products. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3081-3099.	3.1	59
39	An analysis of large HNO ₃ -containing particles sampled in the Arctic stratosphere during the winter of 1999/2000. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 41-1.	3.3	55
40	Evaluation of AIRS, IASI, and OMI ozone profile retrievals in the extratropical tropopause region using in situ aircraft measurements. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
41	Evaluating the role of NAT, NAD, and liquid H ₂ SO ₄ /H ₂ O/HNO ₃ solutions in Antarctic polar stratospheric cloud aerosol: Observations and implications. <i>Journal of Geophysical Research</i> , 1997, 102, 13255-13282.	3.3	54
42	Black carbon measurements in the Pearl River Delta region of China. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	53
43	Collisions of kilo-electron-volt H ⁺ and He ⁺ with molecules at small angles: Absolute differential cross sections for charge transfer. <i>Physical Review A</i> , 1990, 41, 5929-5933.	2.5	52
44	Partitioning of the reactive nitrogen reservoir in the lower stratosphere of the southern hemisphere: Observations and modeling. <i>Journal of Geophysical Research</i> , 1997, 102, 3935-3949.	3.3	50
45	Validation of Aura Microwave Limb Sounder HCl measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	50
46	Subsidence, mixing, and denitrification of Arctic polar vortex air measured during POLARIS. <i>Journal of Geophysical Research</i> , 1999, 104, 26611-26623.	3.3	49
47	Efficient In-Cloud Removal of Aerosols by Deep Convection. <i>Geophysical Research Letters</i> , 2019, 46, 1061-1069.	4.0	48
48	Evaluation of UT/LS hygrometer accuracy by intercomparison during the NASA MACPEX mission. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1915-1935.	3.3	47
49	Partitioning of NO _y species in the summer Arctic stratosphere. <i>Geophysical Research Letters</i> , 1999, 26, 1157-1160.	4.0	46
50	A Bird's-Eye View: Development of an Operational ARM Unmanned Aerial Capability for Atmospheric Research in Arctic Alaska. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1197-1212.	3.3	46
51	In situ observations of NO _y , O ₃ , and the NO _y /O ₃ ratio in the lower stratosphere. <i>Geophysical Research Letters</i> , 1996, 23, 1653-1656.	4.0	44
52	Observations of large reductions in the NO/NO _y ratio near the mid-latitude tropopause and the role of heterogeneous chemistry. <i>Geophysical Research Letters</i> , 1996, 23, 3223-3226.	4.0	44
53	Sources, Sinks, and the Distribution of OH in the Lower Stratosphere. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1543-1553.	2.5	42
54	Measurements of the NO _y -N ₂ O correlation in the lower stratosphere: Latitudinal and seasonal changes and model comparisons. <i>Journal of Geophysical Research</i> , 1997, 102, 13193-13212.	3.3	41

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55	The coupling of ClONO ₂ , ClO, and NO ₂ in the lower stratosphere from in situ observations using the NASA ER-2 aircraft. <i>Journal of Geophysical Research</i> , 1999, 104, 26705-26714.	3.3	41
56	Dynamical and chemical characteristics of tropospheric intrusions observed during START08. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	40
57	Stratospheric NO and NO ₂ abundances from ATMOS Solar-Occultation Measurements. <i>Geophysical Research Letters</i> , 1996, 23, 2373-2376.	4.0	39
58	New photolysis system for NO ₂ measurements in the lower stratosphere. <i>Journal of Geophysical Research</i> , 1994, 99, 20673.	3.3	37
59	Comparison of modeled and observed values of NO ₂ and JNO ₂ during the Photochemistry of Ozone Loss in the Arctic Region in Summer (POLARIS) mission. <i>Journal of Geophysical Research</i> , 1999, 104, 26687-26703.	3.3	36
60	A fast-response chemical ionization mass spectrometer for in situ measurements of HNO ₃ in the upper troposphere and lower stratosphere. <i>Review of Scientific Instruments</i> , 2000, 71, 3886.	1.3	36
61	Characteristics of black carbon aerosol from a surface oil burn during the Deepwater Horizon oil spill. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	34
62	Direct and charge-transfer scattering of keV-energy H ⁺ and He ⁺ projectiles from rare-gas atoms to obtain small-angle absolute differential cross sections. <i>Physical Review A</i> , 1989, 40, 4920-4925.	2.5	33
63	Observational evidence for the role of denitrification in Arctic stratospheric ozone loss. <i>Geophysical Research Letters</i> , 2001, 28, 2879-2882.	4.0	33
64	Absolute differential cross sections for small-angle He ⁺ -He elastic and charge-transfer scattering at keV energies. <i>Physical Review A</i> , 1988, 38, 2789-2793.	2.5	32
65	Global-scale distribution of ozone in the remote troposphere from the ATom and HIPPO airborne field missions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10611-10635.	4.9	31
66	The observation of nitric acid-containing particles in the tropical lower stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 601-611.	4.9	30
67	A two-channel, tunable diode laser-based hygrometer for measurement of water vapor and cirrus cloud ice water content in the upper troposphere and lower stratosphere. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 211-224.	3.1	29
68	Sea spray aerosol concentration modulated by sea surface temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	29
69	Absolute differential cross sections for very-small-angle scattering of keV H and He atoms by H ₂ and N ₂ . <i>Physical Review A</i> , 1988, 38, 2794-2797.	2.5	28
70	Calculations of solar shortwave heating rates due to black carbon and ozone absorption using in situ measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
71	The Pilatus unmanned aircraft system for lower atmospheric research. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 1845-1857.	3.1	28
72	Buffering interactions in the modeled response of stratospheric O ₃ to increased NO _x and HO _x . <i>Journal of Geophysical Research</i> , 1999, 104, 3741-3754.	3.3	27

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73	A compact, fast UV photometer for measurement of ozone from research aircraft. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2201-2210.	3.1	27
74	Observational constraints on the efficiency of dehydration mechanisms in the tropical tropopause layer. <i>Geophysical Research Letters</i> , 2016, 43, 2912-2918.	4.0	27
75	Absolute differential cross sections for small-angle H+He direct and charge-transfer scattering at keV energies. <i>Physical Review A</i> , 1989, 40, 3626-3631.	2.5	26
76	Radiative forcing from anthropogenic sulfur and organic emissions reaching the stratosphere. <i>Geophysical Research Letters</i> , 2016, 43, 9361-9367.	4.0	25
77	Ambient observations of hygroscopic growth factor and $\langle i \rangle$ (RH) below 1: Case studies from surface and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 661-677.	3.3	25
78	Probing the subtropical lowermost stratosphere and the tropical upper troposphere and tropopause layer for inorganic bromine. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1161-1186.	4.9	25
79	The NO _x -HNO ₃ System in the Lower Stratosphere: Insights from In Situ Measurements and Implications of the HNO ₃ -[OH] Relationship. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1521-1534.	2.5	24
80	A High-Sensitivity Low-Cost Optical Particle Counter Design. <i>Aerosol Science and Technology</i> , 2013, 47, 137-145.	3.1	24
81	Religious burning as a potential major source of atmospheric fine aerosols in summertime Lhasa on the Tibetan Plateau. <i>Atmospheric Environment</i> , 2018, 181, 186-191.	4.1	24
82	Absolute differential cross sections for very-small-angle elastic scattering in He+He collisions at keV energies. <i>Physical Review A</i> , 1987, 35, 4541-4547.	2.5	23
83	Ice water content-extinction relationships and effective diameter for TTL cirrus derived from in situ measurements during ATTREX 2014. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4494-4507.	3.3	23
84	Constraining the heterogeneous loss of O ₃ on soot particles with observations in jet engine exhaust plumes. <i>Geophysical Research Letters</i> , 1998, 25, 3323-3326.	4.0	22
85	The airborne mass spectrometer AIMS – Part 1: AIMS-H ₂ O for UTLS water vapor measurements. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 939-953.	3.1	22
86	Absolute differential cross sections for small-angle elastic scattering in helium-rare-gas collisions at keV energies. <i>Physical Review A</i> , 1987, 36, 3077-3082.	2.5	21
87	Condensed-phase nitric acid in a tropical subvisible cirrus cloud. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	21
88	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1086-1097.	3.3	21
89	Fluorescence calibration method for single-particle aerosol fluorescence instruments. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1755-1768.	3.1	21
90	The Unmanned Systems Research Laboratory (USRL): A New Facility for UAV-Based Atmospheric Observations. <i>Atmosphere</i> , 2021, 12, 1042.	2.3	21

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91	In situ measurements of the NO ₂ /NO ratio for testing atmospheric photochemical models. <i>Geophysical Research Letters</i> , 1994, 21, 2555-2558.	4.0	20
92	Stratospheric correlation between nitric acid and ozone. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	20
93	Physical processes controlling the spatial distributions of relative humidity in the tropical tropopause layer over the Pacific. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6094-6107.	3.3	20
94	A new Differential Optical Absorption Spectroscopy instrument to study atmospheric chemistry from a high-altitude unmanned aircraft. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1017-1042.	3.1	20
95	The role of HO _x in super- and subsonic aircraft exhaust plumes. <i>Geophysical Research Letters</i> , 1997, 24, 65-68.	4.0	19
96	Measurement of low-ppm mixing ratios of water vapor in the upper troposphere and lower stratosphere using chemical ionization mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1461-1475.	3.1	19
97	A laser-induced fluorescence instrument for aircraft measurements of sulfur dioxide in the upper troposphere and lower stratosphere. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4601-4613.	3.1	19
98	Absolute differential cross sections for electron capture and loss by kilo-electron-volt hydrogen atoms. <i>Physical Review A</i> , 1991, 44, 5647-5652.	2.5	18
99	Single-photon laser-induced fluorescence detection of nitric oxide at sub-parts-per-trillion mixing ratios. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2425-2439.	3.1	18
100	Law of mass action in the Arctic lower stratospheric polar vortex January–March 2000: ClO scaling and the calculation of ozone loss rates in a turbulent fractal medium. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	17
101	Heating rates and surface dimming due to black carbon aerosol absorption associated with a major U.S. city. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	17
102	Ozone destruction and production rates between spring and autumn in the Arctic stratosphere. <i>Geophysical Research Letters</i> , 2000, 27, 2605-2608.	4.0	16
103	Establishing the Dependence of [HO ₂]/[OH] on Temperature, Halogen Loading, O ₃ , and NO _x Based on in Situ Measurements from the NASA ER-2. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1535-1542.	2.5	16
104	A practical set of miniaturized instruments for vertical profiling of aerosol physical properties. <i>Aerosol Science and Technology</i> , 2017, 51, 715-723.	3.1	16
105	The role of sulfur dioxide in stratospheric aerosol formation evaluated by using in situ measurements in the tropical lower stratosphere. <i>Geophysical Research Letters</i> , 2017, 44, 4280-4286.	4.0	16
106	Collisions of keV-energy H atoms with the rare gases: Absolute differential cross sections at small angles. <i>Physical Review A</i> , 1989, 40, 4914-4919.	2.5	15
107	A scaling analysis of ER-2 data in the inner Arctic vortex during January-March 2000. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 49-1-SOL 49-19.	3.3	14
108	Molecular velocity distributions and generalized scale invariance in the turbulent atmosphere. <i>Faraday Discussions</i> , 2005, 130, 181.	3.2	14

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109	OH in the tropical upper troposphere and its relationships to solar radiation and reactive nitrogen. <i>Journal of Atmospheric Chemistry</i> , 2014, 71, 55-64.	3.2	14
110	Collisions between H ⁺ and H ₂ at kilo-electron-volt energies: Absolute differential cross sections for small-angle direct, single-, and double-charge-transfer scattering. <i>Physical Review A</i> , 1991, 44, 5599-5604.	2.5	13
111	Influence of Antarctic denitrification on two-dimensional model NO _y /N ₂ O correlations in the lower stratosphere. <i>Journal of Geophysical Research</i> , 1997, 102, 13183-13192.	3.3	13
112	The emission and chemistry of reactive nitrogen species in the plume of an Athena II solid-fuel rocket motor. <i>Geophysical Research Letters</i> , 2002, 29, 34-1-34-4.	4.0	13
113	Absolute differential cross sections for the scattering of kilo-electron-volt O atoms. <i>Physical Review A</i> , 1996, 53, 1581-1588.	2.5	12
114	Seasonal variability of black carbon mass in the tropical tropopause layer. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	12
115	Observations of high level of ozone at Qinghai Lake basin in the northeastern Qinghai-Tibetan Plateau, western China. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 19-26.	3.2	12
116	Experimental and theoretical studies of the He ²⁺ -He system: Differential cross sections for direct, single-, and double-charge-transfer scattering at keV energies. <i>Physical Review A</i> , 1992, 45, 6388-6394.	2.5	11
117	Evaluation of a Perpendicular Inlet for Airborne Sampling of Interstitial Submicron Black-Carbon Aerosol. <i>Aerosol Science and Technology</i> , 2013, 47, 1066-1072.	3.1	11
118	SO ₂ Observations and Sources in the Western Pacific Tropical Tropopause Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,549.	3.3	11
119	Performance Assessment of Portable Optical Particle Spectrometer (POPS). <i>Sensors</i> , 2020, 20, 6294.	3.8	11
120	Computer-controlled Teflon flow control valve. <i>Review of Scientific Instruments</i> , 1999, 70, 4732-4733.	1.3	10
121	A Chemical Ionization Mass Spectrometer for Ground-Based Measurements of Nitric Acid. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 1104-1113.	1.3	10
122	NO _y partitioning from measurements of nitrogen and hydrogen radicals in the upper troposphere. <i>Geophysical Research Letters</i> , 1999, 26, 51-54.	4.0	9
123	Laboratory evaluation of the effect of nitric acid uptake on frost point hygrometer performance. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 289-296.	3.1	9
124	Persistent Water "Nitric Acid Condensate with Saturation Water Vapor Pressure Greater than That of Hexagonal Ice. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1431-1440.	2.5	9
125	Role of NO _y as a diagnostic of small-scale mixing in a denitrified polar vortex. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 21-1.	3.3	8
126	Stratospheric Aerosol Sampling: Effect of a Blunt-Body Housing on Inlet Sampling Characteristics. <i>Aerosol Science and Technology</i> , 2004, 38, 1080-1090.	3.1	7

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127	Correction to "Global-scale black carbon profiles observed in the remote atmosphere and compared to models". Geophysical Research Letters, 2010, 37, n/a-n/a.	4.0	7
128	Toward practical stratospheric aerosol albedo modification: Solar-powered lofting. Science Advances, 2021, 7, .	10.3	6
129	Influence of air mass histories on radical species during the Photochemistry of Ozone Loss in the Arctic Region in Summer (POLARIS) mission. Journal of Geophysical Research, 2000, 105, 15185-15199.	3.3	5
130	JNO ₂ at high solar zenith angles in the lower stratosphere. Geophysical Research Letters, 2001, 28, 2405-2408.	4.0	5
131	Relating inferred HNO ₃ flux values to the denitrification of the 1999-2000 Arctic vortex. Geophysical Research Letters, 2002, 29, 63-1-63-4.	4.0	4
132	Large-angle keV-energy He-He scattering measurements with use of a correlated two-particle coincidence detector. Physical Review A, 1988, 37, 687-691.	2.5	3
133	Note: Compact, two-dimension translatable slit aperture. Review of Scientific Instruments, 2013, 84, 116103.	1.3	3
134	A Novel Network-Based Approach to Determining Measurement Representation Error for Model Evaluation of Aerosol Microphysical Properties. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	3
135	High-resolution position-sensitive detector. Review of Scientific Instruments, 1988, 59, 1954-1956.	1.3	2
136	Correction to "Nitric acid uptake on subtropical cirrus cloud particles". Journal of Geophysical Research, 2004, 109, .	3.3	2
137	Limited impact of sulfate-driven chemistry on black carbon aerosol aging in power plant plumes. AIMS Environmental Science, 2018, 5, 195-215.	1.4	1
138	Correction to "Relating inferred HNO ₃ flux values to the denitrification of the 1999-2000 Arctic vortex" by M. J. Northway et al.. Geophysical Research Letters, 2002, 29, 31-1.	4.0	0