

Glenn S Diskin

List of Publications by Year in descending order

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255
papers

11,453
citations

28128

55
h-index

53958

85
g-index

407
all docs

407
docs citations

407
times ranked

12436
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing potential indicators of aerosol wet scavenging during long-range transport. <i>Atmospheric Measurement Techniques</i> , 2024, 17, 37-55.	3.1	0
2	Parameterizations of US wildfire and prescribed fire emission ratios and emission factors based on FIREX-AQ aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 929-956.	5.0	3
3	Airborne Observations Constrain Heterogeneous Nitrogen and Halogen Chemistry on Tropospheric and Stratospheric Biomass Burning Aerosol. <i>Geophysical Research Letters</i> , 2024, 51, .	4.0	1
4	Sea salt reactivity over the northwest Atlantic: an in-depth look using the airborne ACTIVATE dataset. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 3349-3378.	5.0	0
5	Process Modeling of Aerosol-Cloud Interaction in Summertime Precipitating Shallow Cumulus Over the Western North Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2024, 129, .	3.3	0
6	Measurement report: Cloud and environmental properties associated with aggregated shallow marine cumulus and cumulus congestus. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 6123-6152.	5.0	0
7	Vertical variability of aerosol properties and trace gases over a remote marine region: a case study over Bermuda. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 9197-9218.	5.0	0
8	Using observed urban NO _x sinks to constrain VOC reactivity and the ozone and radical budget in the Seoul Metropolitan Area. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 9573-9595.	5.0	0
9	Bridging gas and aerosol properties between the northeastern US and Bermuda: analysis of eight transit flights. <i>Atmospheric Chemistry and Physics</i> , 2024, 24, 10385-10408.	5.0	0
10	Optimization of guar gum galactomannan sulfation process with sulfamic acid. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 10041-10050.	4.5	35
11	Metaphor, sustainability, transformation: Transdisciplinary perspectives. Edited by Ian Hughes, Edmond Byrne, Gerard Mullally, Colin Sage. Routledge, 2022. XIII + 264 pp. ISBN 9780367698553. <i>International Journal of Applied Linguistics</i> , 2023, 33, 76-79.	0.9	0
12	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements "corrected". <i>Atmospheric Chemistry and Physics</i> , 2023, 23, 99-117.	5.0	3
13	Impact of Implementing New ICF-Based Practices on Staff Valence of Disability Practitioners: An Experience in Hong Kong. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 1632.	2.7	0
14	Measurement report: Emission factors of NH ₃ and NH _x for wildfires and agricultural fires in the United States. <i>Atmospheric Chemistry and Physics</i> , 2023, 23, 2331-2343.	5.0	6
15	Rapid TCR:Epitope Ranker (RAPTER): a primary human T cell reactivity screening assay pairing epitope and TCR at single cell resolution. <i>Scientific Reports</i> , 2023, 13, .	3.4	1
16	Spatially coordinated airborne data and complementary products for aerosol, gas, cloud, and meteorological studies: the NASA ACTIVATE dataset. <i>Earth System Science Data</i> , 2023, 15, 3419-3472.	8.9	8
17	Emission Factors for Crop Residue and Prescribed Fires in the Eastern US During FIREX-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.3	2
18	An observation-based, reduced-form model for oxidation in the remote marine troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.6	5

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19	New particle formation in the tropical free troposphere during CAMP ² Ex: statistics and impact of emission sources, convective activity, and synoptic conditions. <i>Atmospheric Chemistry and Physics</i> , 2023, 23, 9853-9871.	5.0	0
20	Impact of Biomass Burning Organic Aerosol Volatility on Smoke Concentrations Downwind of Fires. <i>Environmental Science & Technology</i> , 2023, 57, 17011-17021.	10.5	7
21	Tour Routes Planning with Matrix-based Differential Evolution. , 2023, , .		1
22	Observations of atmospheric oxidation and ozone production in South Korea. <i>Atmospheric Environment</i> , 2022, 269, 118854.	4.2	7
23	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 805-821.	5.0	10
24	Inside the Alterations of Circulating Metabolome in Antarctica: The Adaptation to Chronic Hypoxia. <i>Frontiers in Physiology</i> , 2022, 13, 819345.	2.8	3
25	Evaluation of Secondary Organic Aerosol (SOA) Simulations for Seoul, Korea. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.7	10
26	Dominant role of mineral dust in cirrus cloud formation revealed by global-scale measurements. <i>Nature Geoscience</i> , 2022, 15, 177-183.	11.9	50
27	On drag and lift coefficient computations by using hybrid meshing of physical domain rooted with regular obstacles. <i>AIP Advances</i> , 2022, 12, 025025.	1.3	1
28	Cold Air Outbreaks Promote New Particle Formation Off the U.S. East Coast. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	10
29	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4253-4275.	5.0	11
30	The MOPITT Version 9 CO product: sampling enhancements and validation. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2325-2344.	3.1	21
31	Polarimeter + Lidarâ€‘Derived Aerosol Particle Number Concentration. <i>Frontiers in Remote Sensing</i> , 2022, 3, .	3.5	8
32	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. <i>Environmental Science & Technology</i> , 2022, 56, 7564-7577.	10.5	17
33	Relationships between supermicrometer particle concentrations and cloud water sea salt and dust concentrations: analysis of MONARC and ACTIVATE data. <i>Environmental Science Atmospheres</i> , 2022, 2, 738-752.	2.1	3
34	Characteristics and evolution of brown carbon in western United States wildfires. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8009-8036.	5.0	27
35	Effects of Fire Diurnal Variation and Plume Rise on U.S. Air Quality During FIREXâ€‘AQ and WEâ€‘CAN Based on the Multiâ€‘Scale Infrastructure for Chemistry and Aerosols (MUSICAv0). <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	19
36	Homogeneous Freezing Events Sampled in the Tropical Tropopause Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	4

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37	Comparison of airborne measurements of NO, NO ₂ , HONO, NO _y , and CO during FIREX-AQ. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 4901-4930.	3.1	19
38	Measurement report: Closure analysis of aerosol cloud composition in tropical maritime warm convection. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 13269-13302.	5.0	8
39	Evaluation of the NAQFC driven by the NOAA Global Forecast System (version 16): comparison with the WRF-CMAQ during the summer 2019 FIREX-AQ campaign. <i>Geoscientific Model Development</i> , 2022, 15, 7977-7999.	3.7	3
40	Emission factors and evolution of SO ₂ measured from biomass burning in wildfires and agricultural fires. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 15603-15620.	5.0	12
41	Aircraft-based observation of meteoric material in lower-stratospheric aerosol particles between 15 and 68°N. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 989-1013.	5.0	19
42	Climate change winner in the deep sea? Predicting the impacts of climate change on the distribution of the glass sponge <i>Vazella pourtalesii</i> . <i>Marine Ecology - Progress Series</i> , 2021, 657, 1-23.	1.9	16
43	The Global Budget of Atmospheric Methanol: New Constraints on Secondary, Oceanic, and Terrestrial Sources. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033439.	3.3	43
44	Metabolic profiles of Jinzhong tablets in rats by ultra-performance liquid chromatography coupled with quadrupole time-of-flight tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2021, 35, e5072.	1.7	2
45	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, .	7.6	38
46	Wintertime Nitrous Oxide Emissions in the San Joaquin Valley of California Estimated from Aircraft Observations. <i>Environmental Science & Technology</i> , 2021, 55, 4462-4473.	10.5	4
47	Measurement report: Long-range transport patterns into the tropical northwest Pacific during the CAMP<sup>2>Ex aircraft campaign: chemical composition, size distributions, and the impact of convection. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3777-3802.	5.0	25
48	Endoscopic Negative Pressure Therapy (ENPT) Is Superior to Stent Therapy for Staple Line Leak After Sleeve Gastrectomy: a Single-Center Cohort Study. <i>Obesity Surgery</i> , 2021, 31, 2511-2519.	2.4	13
49	Airborne Measurements of Contrail Ice Properties Dependence on Temperature and Humidity. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092166.	4.0	22
50	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. <i>Communications Earth & Environment</i> , 2021, 2, .	6.7	35
51	Cleaner burning aviation fuels can reduce contrail cloudiness. <i>Communications Earth & Environment</i> , 2021, 2, .	6.7	113
52	Large hemispheric difference in nucleation mode aerosol concentrations in the lowermost stratosphere at mid- and high latitudes. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9065-9088.	5.0	10
53	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11201-11224.	5.0	67
54	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035203.	3.3	17

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55	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13729-13746.	5.0	4
56	Evolution of formaldehyde (HCHO) in a plume originating from a petrochemical industry and its volatile organic compounds (VOCs) emission rate estimation. <i>Elementa</i> , 2021, 9, .	3.3	6
57	Ambient aerosol properties in the remote atmosphere from global-scale in situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15023-15063.	5.0	17
58	Rapid cloud removal of dimethyl sulfide oxidation products limits SO ₂ and cloud condensation nuclei production in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.6	34
59	UAS Chromatograph for Atmospheric Trace Species (UCATS) – a versatile instrument for trace gas measurements on airborne platforms. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6795-6819.	3.1	10
60	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16293-16317.	5.0	40
61	Aerial high-throughput phenotyping of peanut leaf area index and lateral growth. <i>Scientific Reports</i> , 2021, 11, 21661.	3.4	25
62	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. <i>Environmental Science & Technology</i> , 2021, 55, 15646-15657.	10.5	16
63	Seasonal Variability in Local Carbon Dioxide Biomass Burning Sources Over Central and Eastern US Using Airborne In Situ Enhancement Ratios. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034525.	3.3	10
64	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021, 7, eabl3648.	10.9	57
65	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.6	58
66	Formaldehyde evolution in US wildfire plumes during the Fire Influence on Regional to Global Environments and Air Quality experiment (FIREX-AQ). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 18319-18331.	5.0	29
67	Reconciling Assumptions in Bottom-Up and Top-Down Approaches for Estimating Aerosol Emission Rates From Wildland Fires Using Observations From FIREX-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.3	10
68	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031685.	3.3	25
69	Association of Duration of Hypotension With Survival After Pediatric Cardiac Arrest. <i>Pediatric Critical Care Medicine</i> , 2020, 21, 143-149.	0.6	20
70	High Temporal Resolution Satellite Observations of Fire Radiative Power Reveal Link Between Fire Behavior and Aerosol and Gas Emissions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090707.	4.0	34
71	Global Atmospheric Budget of Acetone: Air-Sea Exchange and the Contribution to Hydroxyl Radicals. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032553.	3.3	20
72	Observing Nitrogen Dioxide Air Pollution Inequality Using High-Spatial-Resolution Remote Sensing Measurements in Houston, Texas. <i>Environmental Science & Technology</i> , 2020, 54, 9882-9895.	10.5	51

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73	Annular Dynamics and Leaflet Geometry in Patch Reconstruction of the Posterior Mitral Leaflet After Adding a Flexible Annuloplasty Ring. <i>Cardiovascular Engineering and Technology</i> , 2020, 11, 748-759.	1.7	1
74	Vertical Transport, Entrainment, and Scavenging Processes Affecting Trace Gases in a Modeled and Observed SEAC 4 RS Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031957.	3.3	5
75	Missing OH reactivity in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4013-4029.	5.0	28
76	Assessment of Observational Evidence for Direct Convective Hydration of the Lower Stratosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032793.	3.3	22
77	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6455-6478.	5.0	21
78	Spatial heterogeneity in CO ₂ , CH ₄ , and energy fluxes: insights from airborne eddy covariance measurements over the Mid-Atlantic region. <i>Environmental Research Letters</i> , 2020, 15, 035008.	5.3	20
79	Revisiting the effectiveness of HCHO/NO ₂ ratios for inferring ozone sensitivity to its precursors using high resolution airborne remote sensing observations in a high ozone episode during the KORUS-AQ campaign. <i>Atmospheric Environment</i> , 2020, 224, 117341.	4.2	74
80	Assessing Measurements of Pollution in the Troposphere (MOPITT) carbon monoxide retrievals over urban versus non-urban regions. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1337-1356.	3.1	16
81	Influence of cloud, fog, and high relative humidity during pollution transport events in South Korea: Aerosol properties and PM _{2.5} variability. <i>Atmospheric Environment</i> , 2020, 232, 117530.	4.2	40
82	Airborne formaldehyde and volatile organic compound measurements over the Daesan petrochemical complex on Korea's northwest coast during the Korea-United States Air Quality study. <i>Elementa</i> , 2020, 8, .	3.3	22
83	Observation-based modeling of ozone chemistry in the Seoul metropolitan area during the Korea-United States Air Quality Study (KORUS-AQ). <i>Elementa</i> , 2020, 8, .	3.3	33
84	Investigation of factors controlling PM _{2.5} variability across the South Korean Peninsula during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	3.3	47
85	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. <i>Elementa</i> , 2020, 8, .	3.3	48
86	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.	5.0	32
87	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14617-14647.	5.0	41
88	Constraining remote oxidation capacity with ATom observations. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7753-7781.	5.0	39
89	PREVENTION AND TREATMENT OF MENOPAUSAL DISORDERS WITH THE USE OF PHYTOPREPARATIONS. <i>Prikrpatskij VĀ-snik NTĀ Pul's</i> , 2020, , 25-30.	0.0	0
90	Validation of XCO ₂ and XCH ₄ retrieved from a portable Fourier transform spectrometer with those from in situ profiles from aircraft-borne instruments. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5149-5163.	3.1	3

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91	Using Short-Term CO/CO ₂ Ratios to Assess Air Mass Differences Over the Korean Peninsula During KORUS-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10951-10972.	3.3	34
92	An Evaluation of the Representation of Tropical Tropopause Cirrus in the CESM/CARMA Model Using Satellite and Aircraft Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8659-8687.	3.3	4
93	The occupations at increased risk of COPD: analysis of lifetime job-histories in the population-based UK Biobank Cohort. <i>European Respiratory Journal</i> , 2019, 54, 1900186.	7.5	59
94	Non-Adherence to Prescribed Therapies: Pharmacaare's Existential Challenge. <i>Healthcare Quarterly (Toronto, Ont)</i> , 2019, 22, 21-26.	0.6	0
95	Observations and hypotheses related to low to middle free tropospheric aerosol, water vapor and altocumulus cloud layers within convective weather regimes: a SEAC<sup>4</sup>RS case study. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11413-11442.	5.0	5
96	Effect of dietary supplementation of formic acid, butyric acid or their combination on carcass and meat characteristics of broiler chickens. <i>Journal of the Indonesian Tropical Animal Agriculture</i> , 2019, 44, 286.	0.4	7
97	The distribution of sea-salt aerosol in the global troposphere. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4093-4104.	5.0	73
98	Mapping hydroxyl variability throughout the global remote troposphere via synthesis of airborne and satellite formaldehyde observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11171-11180.	7.6	64
99	Source Contributions to Carbon Monoxide Concentrations During KORUS-AQ Based on CAM&chem Model Applications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2796-2822.	3.3	22
100	A 17β-Hydroxysteroid Dehydrogenase 13 Variant Protects From Hepatocellular Carcinoma Development in Alcoholic Liver Disease. <i>Hepatology</i> , 2019, 70, 231-240.	8.1	80
101	THU0548&...ASSOCIATIONS BETWEEN: MARKERS OF BONE TURNOVER AND RADIOLOGICAL FINDINGS IN CHILDREN DIAGNOSED WITH JUVENILE IDIOPATHIC ARTHRITIS. <i>Annals of the Rheumatic Diseases</i> , 2019, , .	7.6	0
102	Family Systems Thinking as a Guide for Theory Integration: Conceptual Overlaps of Differentiation, Attachment, Parenting Style, and Identity Development in Families With Adolescents. <i>Journal of Family Theory and Review</i> , 2019, 11, 544-560.	2.4	19
103	Characterizing CO and NO _x Sources and Relative Ambient Ratios in the Baltimore Area Using Ambient Measurements and Source Attribution Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3304-3320.	3.3	17
104	Characteristics of greenhouse gas concentrations derived from ground-based FTS spectra at Anmyeondo, South Korea. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2361-2374.	3.1	11
105	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14493-14510.	5.0	19
106	Estimating Source Region Influences on Black Carbon Abundance, Microphysics, and Radiative Effect Observed Over South Korea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,527.	3.3	24
107	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17769-17800.	5.0	112
108	Modeling Regional Pollution Transport Events During KORUS-AQ: Progress and Challenges in Improving Representation of Land&Atmosphere Feedbacks. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10732-10756.	3.3	10

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109	Heterogeneous Ice Nucleation in the Tropical Tropopause Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,210.	3.3	16
110	The International Land Model Benchmarking (ILAMB) System: Design, Theory, and Implementation. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 2731-2754.	3.7	188
111	Evaluating high-resolution forecasts of atmospheric CO and CO ₂ from a global prediction system during KORUS-AQ field campaign. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11007-11030.	5.0	35
112	The NASA Carbon Airborne Flux Experiment (CARAFE): instrumentation and methodology. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1757-1776.	3.1	33
113	Estimator of Surface Ozone Using Formaldehyde and Carbon Monoxide Concentrations Over the Eastern United States in Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7642-7655.	3.3	13
114	Estimation of demand function on Sudan imports in the period from 1992 to 2015. <i>Financial Markets Institutions and Risks</i> , 2018, 2, .	1.2	0
115	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.	5.5	82
116	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6108-6129.	3.3	196
117	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	26
118	Saharan dust, convective lofting, aerosol enhancement zones, and potential impacts on ice nucleation in the tropical upper troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8833-8851.	3.3	17
119	Lightning NO _x Emissions: Reconciling Measured and Modeled Estimates With Updated NO _x Chemistry. <i>Geophysical Research Letters</i> , 2017, 44, 9479-9488.	4.0	60
120	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	21
121	Large biogenic contribution to boundary layer O ₃ regression slope in summer. <i>Geophysical Research Letters</i> , 2017, 44, 7061-7068.	4.0	16
122	Evaluation of deep convective transport in storms from different convective regimes during the DC3 field campaign using WRF-Chem with lightning data assimilation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7140-7163.	3.3	11
123	Frequency and impact of summertime stratospheric intrusions over Maryland during DISCOVER-AQ (2011): New evidence from NASA's GEOS-5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3687-3706.	3.3	51
124	On the Susceptibility of Cold Tropical Cirrus to Ice Nuclei Abundance. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 2445-2464.	1.8	29
125	Scramjet Combustion Efficiency Measurement via Tomographic Absorption Spectroscopy and Particle Image Velocimetry. <i>AIAA Journal</i> , 2016, 54, 2463-2471.	2.6	20
126	Formaldehyde column density measurements as a suitable pathway to estimate near-surface ozone tendencies from space. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13088-13112.	3.3	19

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127	Epitaxial growth and magnetic properties of ultraviolet transparent Ga ₂ O ₃ /(Ga _{1-x} Fex) ₂ O ₃ multilayer thin films. <i>Scientific Reports</i> , 2016, 6, 25166.	3.4	27
128	High-dynamic-range microscope imaging based on exposure bracketing in full-field optical coherence tomography. <i>Optics Letters</i> , 2016, 41, 1313.	3.3	11
129	Variability of O ₃ and NO ₂ profile shapes during DISCOVER-AQ: Implications for satellite observations and comparisons to model-simulated profiles. <i>Atmospheric Environment</i> , 2016, 147, 133-156.	4.2	9
130	Airborne quantification of upper tropospheric NO _x production from lightning in deep convective storms over the United States Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2002-2028.	3.3	28
131	Large vertical gradient of reactive nitrogen oxides in the boundary layer: Modeling analysis of DISCOVER-AQ 2011 observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1922-1934.	3.3	40
132	The impacts of aerosol loading, composition, and water uptake on aerosol extinction variability in the Baltimore-Washington, D.C. region. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1003-1015.	5.0	40
133	Aerosol optical properties in the southeastern United States in summer - Part 1: Hygroscopic growth. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4987-5007.	5.0	89
134	Impacts of the Denver Cyclone on regional air quality and aerosol formation in the Colorado Front Range during FRAPP 2014. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12039-12058.	5.0	24
135	In situ measurements and modeling of reactive trace gases in a small biomass burning plume. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3813-3824.	5.0	85
136	Aerosol optical properties in the southeastern United States in summer - Part 2: Sensitivity of aerosol optical depth to relative humidity and aerosol parameters. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5009-5019.	5.0	46
137	Aircraft-measured indirect cloud effects from biomass burning smoke in the Arctic and subarctic. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 715-738.	5.0	32
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