

# Doug E Kinnison

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

217  
papers

12,783  
citations

55  
h-index

108  
g-index

229  
ext. papers

14,916  
ext. citations

6.5  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
217	Design and description of the MUSICA IASI full retrieval product. <i>Earth System Science Data</i> , <b>2022</b> , 14, 709-742	10.5	2
216	On the stratospheric chemistry of midlatitude wildfire smoke.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2117325119	11.5	7
215	On the Southern Hemisphere Stratospheric Response to ENSO and Its Impacts on Tropospheric Circulation. <i>Journal of Climate</i> , <b>2022</b> , 35, 1963-1981	4.4	
214	Upper stratospheric ClO and HOCl trends (2005-2020): Aura Microwave Limb Sounder and model results. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 4779-4799	6.8	1
213	Reactive halogens increase the global methane lifetime and radiative forcing in the 21st century.. <i>Nature Communications</i> , <b>2022</b> , 13, 2768	17.4	0
212	An Arctic ozone hole in 2020 if not for the Montreal Protocol. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 15771-15781	6.8	5
211	On Recent Large Antarctic Ozone Holes and Ozone Recovery Metrics. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095232	4.9	3
210	The Role of Natural Halogens in Global Tropospheric Ozone Chemistry and Budget Under Different 21st Century Climate Scenarios. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034859	4.4	1
209	Influence of the El Niño Southern Oscillation on entry stratospheric water vapor in coupled chemistry-ocean CCM1 and CMIP6 models. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 3725-3740	6.8	1
208	Potential Impacts of Supersonic Aircraft Emissions on Ozone and Resulting Forcing on Climate: An Update on Historical Analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD034130	4.4	4
207	Fate of Pollution Emitted During the 2015 Indonesian Fire Season. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033474	4.4	0
206	Tropical Stratospheric Circulation and Ozone Coupled to Pacific Multi-Decadal Variability. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092162	4.9	3
205	Quantifying the Imprints of Stratospheric Contributions to Interhemispheric Differences in Tropospheric CFC-11, CFC-12, and N <sub>2</sub> O Abundances. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093700	4.9	0
204	Atmospheric Chemistry Signatures of an Equatorially Symmetric Matsuno-Gill Circulation Pattern. <i>Journals of the Atmospheric Sciences</i> , <b>2021</b> , 78, 107-116	2.1	
203	The response of mesospheric H <sub>2</sub> O and CO to solar irradiance variability in models and observations. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 201-216	6.8	2
202	Upward transport into and within the Asian monsoon anticyclone as inferred from StratoClim trace gas observations. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 1267-1285	6.8	12
201	Intercomparison Between Surrogate, Explicit, and Full Treatments of VSL Bromine Chemistry Within the CAM-Chem Chemistry-Climate Model. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL091125	4.9	0

200	Model estimations of geophysical variability between satellite measurements of ozone profiles. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 1425-1438	4	3
199	Stratospheric Ozone and Climate Forcing Sensitivity to Cruise Altitudes for Fleets of Potential Supersonic Transport Aircraft. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034971	4.4	2
198	Extreme Ozone Loss Following Nuclear War Results in Enhanced Surface Ultraviolet Radiation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035079	4.4	1
197	Sensitivity of Total Column Ozone to Stratospheric Sulfur Injection Strategies. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094058	4.9	2
196	Subpolar Activation of Halogen Heterogeneous Chemistry in Austral Spring. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL090036	4.9	
195	The Impact on the Ozone Layer of a Potential Fleet of Civil Hypersonic Aircraft. <i>Earth's Future</i> , <b>2020</b> , 8, e2020EF001626	7.9	5
194	A machine learning examination of hydroxyl radical differences among model simulations for CCM1-1. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1341-1361	6.8	11
193	Description and Evaluation of the specified-dynamics experiment in the Chemistry-Climate Model Initiative. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3809-3840	6.8	9
192	The Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS001916	7.1	358
191	Future trends in stratosphere-to-troposphere transport in CCM1 models. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 6883-6901	6.8	4
190	Quantitative detection of iodine in the stratosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 1860-1866	11.5	35
189	Natural halogens buffer tropospheric ozone in a changing climate. <i>Nature Climate Change</i> , <b>2020</b> , 10, 1472-1477	11.4	19
188	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , <b>2020</b> , 12, e2019MS001882	7.1	78
187	Revising the Ozone Depletion Potentials Metric for Short-Lived Chemicals Such as CF3I and CH3I. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032414	4.4	4
186	Climatological impact of the Brewer-Dobson circulation on the N <sub>2</sub> O budget in WACCM, a chemical reanalysis and a CTM driven by four dynamical reanalyses. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 12609-12631	6.8	6
185	On the role of trend and variability in the hydroxyl radical (OH) in the global methane budget. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 13011-13022	6.8	5
184	Projecting ozone hole recovery using an ensemble of chemistry-climate models weighted by model performance and independence. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 9961-9977	6.8	9
183	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 4505-4510	11.5	61

182	Photodissociation Mechanisms of Major Mercury(II) Species in the Atmospheric Chemical Cycle of Mercury. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 7675-7680	3.6	1
181	Photodissociation Mechanisms of Major Mercury(II) Species in the Atmospheric Chemical Cycle of Mercury. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 7605-7610	16.4	23
180	Reappraisal of the Climate Impacts of Ozone-Depleting Substances. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088295	4.9	9
179	Evaluating Stratospheric Tropical Width Using Tracer Concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033081	4.4	2
178	Prediction of Northern Hemisphere Regional Sea Ice Extent and Snow Depth Using Stratospheric Ozone Information. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031770	4.4	2
177	Can the Madden-Julian Oscillation Affect the Antarctic Total Column Ozone?. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088886	4.9	0
176	The Whole Atmosphere Community Climate Model Version 6 (WACCM6). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 12380-12403	4.4	126
175	Evaluating Simulations of Interhemispheric Transport: Interhemispheric Exchange Time Versus SF6 Age. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1113-1120	4.9	6
174	The Upper Stratospheric Solar Cycle Ozone Response. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1831-1841	4.9	10
173	Evaluation of CESM1 (WACCM) free-running and specified dynamics atmospheric composition simulations using global multispecies satellite data records. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 4783-4821	6.8	32
172	The global diabatic circulation of the stratosphere as a metric for the Brewer-Dobson circulation. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 5069-5090	6.8	3
171	Large-scale transport into the Arctic: the roles of the midlatitude jet and the Hadley Cell. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 5511-5528	6.8	7
170	The influence of mixing on stratospheric age of air changes in the 21st century. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 921-940	6.8	17
169	Large impacts, past and future, of ozone-depleting substances on Brewer-Dobson circulation trends: A multi-model assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 6669-6680	4.4	16
168	Gas-Phase Photolysis of Hg(I) Radical Species: A New Atmospheric Mercury Reduction Process. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 8698-8702	16.4	27
167	New Insights on the Impact of Ozone-Depleting Substances on the Brewer-Dobson Circulation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 2435-2451	4.4	18
166	Prediction of Northern Hemisphere Regional Surface Temperatures Using Stratospheric Ozone Information. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 5922-5933	4.4	11
165	Influence of Arctic stratospheric ozone on surface climate in CCM1 models. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 9253-9268	6.8	9

164	Evaluating the Relationship between Interannual Variations in the Antarctic Ozone Hole and Southern Hemisphere Surface Climate in ChemistryClimate Models. <i>Journal of Climate</i> , <b>2019</b> , 32, 3131-3151	4.4	9
163	Ocean Biogeochemistry Control on the Marine Emissions of Brominated Very Short-Lived Ozone-Depleting Substances: A Machine-Learning Approach. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 12319-12339	4.4	11
162	Clear-sky ultraviolet radiation modelling using output from the Chemistry Climate Model Initiative. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 10087-10110	6.8	11
161	Modeling the Sources and Chemistry of Polar Tropospheric Halogens (Cl, Br, and I) Using the CAM-Chem Global Chemistry-Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 2259-2289	7.1	17
160	Inter-model comparison of global hydroxyl radical (OH) distributions and their impact on atmospheric methane over the 2000-2016 period. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 13701-13723	6.8	30
159	Climate Forcing and Trends of Organic Aerosols in the Community Earth System Model (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 4323-4351	7.1	50
158	The effect of atmospheric nudging on the stratospheric residual circulation in chemistryclimate models. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 11559-11586	6.8	15
157	Novel approaches to improve estimates of short-lived halocarbon emissions during summer from the Southern Ocean using airborne observations. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 14071-14090	6.8	3
156	Modeled and Observed Volcanic Aerosol Control on Stratospheric NO <sub>y</sub> and Cly. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10283-10303	4.4	4
155	Historical Tropospheric and Stratospheric Ozone Radiative Forcing Using the CMIP6 Database. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3264-3273	4.9	51
154	Rapid increase in atmospheric iodine levels in the North Atlantic since the mid-20th century. <i>Nature Communications</i> , <b>2018</b> , 9, 1452	17.4	58
153	Detectability of the impacts of ozone-depleting substances and greenhouse gases upon stratospheric ozone accounting for nonlinearities in historical forcings. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 143-166	6.8	8
152	Assessing the ability to derive rates of polar middle-atmospheric descent using trace gas measurements from remote sensors. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 1457-1474	6.8	14
151	Stratospheric ozone loss over the Eurasian continent induced by the polar vortex shift. <i>Nature Communications</i> , <b>2018</b> , 9, 206	17.4	39
150	Significant Weakening of Brewer-Dobson Circulation Trends Over the 21st Century as a Consequence of the Montreal Protocol. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 401-409	4.9	42
149	Ozone sensitivity to varying greenhouse gases and ozone-depleting substances in CCM1-1 simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 1091-1114	6.8	37
148	On the Role of Heterogeneous Chemistry in Ozone Depletion and Recovery. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 7835-7842	4.9	7
147	Key drivers of ozone change and its radiative forcing over the 21st century. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 6121-6139	6.8	14

146	Estimates of ozone return dates from Chemistry-Climate Model Initiative simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8409-8438	6.8	81
145	Quantifying the effect of mixing on the mean age of air in CCMVal-2 and CCMI-1 models. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 6699-6720	6.8	23
144	Revisiting the mystery of recent stratospheric temperature trends. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 9919-9933	4.9	27
143	Trend differences in lower stratospheric water vapour between Boulder and the zonal mean and their role in understanding fundamental observational discrepancies. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8331-8351	6.8	7
142	Tropospheric ozone in CCMI models and Gaussian process emulation to understand biases in the SOCOLv3 chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 16155-16172	6.8	17
141	On the discrepancy of HCl processing in the core of the wintertime polar vortices. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8647-8666	6.8	17
140	The chemistry-climate model ECHAM6.3-HAM2.3-MOZ1.0. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 1695-1723	6.3	33
139	A Lagrangian Model Diagnosis of Stratospheric Contributions to Tropical Midtropospheric Air. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9764-9785	4.4	4
138	Photoreduction of gaseous oxidized mercury changes global atmospheric mercury speciation, transport and deposition. <i>Nature Communications</i> , <b>2018</b> , 9, 4796	17.4	66
137	The Impact of Boreal Summer ENSO Events on Tropical Lower Stratospheric Ozone. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9843-9857	4.4	10
136	Large-scale tropospheric transport in the Chemistry-Climate Model Initiative (CCMI) simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7217-7235	6.8	25
135	Effects of Different Stratospheric SO <sub>2</sub> Injection Altitudes on Stratospheric Chemistry and Dynamics. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 4654-4673	4.4	37
134	The Simulation of Stratospheric Water Vapor over the Asian Summer Monsoon Region in CESM1(WACCM) Models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 11377-11391	4.4	9
133	Stratospheric Aerosols, Polar Stratospheric Clouds, and Polar Ozone Depletion After the Mount Calbuco Eruption in 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 12,308	4.4	19
132	Large-scale transport into the Arctic: the roles of the midlatitude jet and the Hadley Cell <b>2018</b> ,		1
131	On the Identification of Ozone Recovery. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 5158-5165	4.9	27
130	Stratospheric Injection of Brominated Very Short-Lived Substances: Aircraft Observations in the Western Pacific and Representation in Global Models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 5690-5719	4.4	30
129	The Convective Transport of Active Species in the Tropics (CONTRAST) Experiment. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 106-128	6.1	40



128	Observed Changes in the Southern Hemispheric Circulation in May. <i>Journal of Climate</i> , <b>2017</b> , 30, 527-536	4.4	16
127	Quantifying the causes of differences in tropospheric OH within global models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 1983-2007	4.4	18
126	Revisiting Southern Hemisphere polar stratospheric temperature trends in WACCM: The role of dynamical forcing. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 3402-3410	4.9	11
125	The influence of the Calbuco eruption on the 2015 Antarctic ozone hole in a fully coupled chemistry-climate model. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 2556-2561	4.9	39
124	Development of a Polar Stratospheric Cloud Model Within the Community Earth System Model: Assessment of 2010 Antarctic Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 10,418-44	4.4	9
123	Ozone sensitivity to varying greenhouse gases and ozone-depleting substances in CCM1 simulations <b>2017</b> ,		2
122	Mirrored changes in Antarctic ozone and stratospheric temperature in the late 20th versus early 21st centuries. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 8940-8950	4.4	26
121	The strength of the meridional overturning circulation of the stratosphere. <i>Nature Geoscience</i> , <b>2017</b> , 10, 663-667	18.3	18
120	Variability of Stratospheric Reactive Nitrogen and Ozone Related to the QBO. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 10,103-10,118	4.4	11
119	Troposphere-Stratosphere Temperature Trends Derived From Satellite Data Compared With Ensemble Simulations From WACCM. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 9651-9667	4.4	36
118	Observing the Impact of Calbuco Volcanic Aerosols on South Polar Ozone Depletion in 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 11,862	4.4	22
117	Using the Artificial Tracer e90 to Examine Present and Future UTLS Tracer Transport in WACCM. <i>Journals of the Atmospheric Sciences</i> , <b>2017</b> , 74, 3383-3403	2.1	21
116	Radiative and Chemical Response to Interactive Stratospheric Sulfate Aerosols in Fully Coupled CESM1(WACCM). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 13,061	4.4	86
115	Formaldehyde in the Tropical Western Pacific: Chemical sources and sinks, convective transport, and representation in CAM-Chem and the CCM1 models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 11201-11226	4.4	21
114	Deriving Global OH Abundance and Atmospheric Lifetimes for Long-Lived Gases: A Search for CH <sub>3</sub> CCl <sub>3</sub> Alternatives. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 11,914	4.4	20
113	Sensitivity of Sudden Stratospheric Warmings to Previous Stratospheric Conditions. <i>Journals of the Atmospheric Sciences</i> , <b>2017</b> , 74, 2857-2877	2.1	44
112	Modification of the Gravity Wave Parameterization in the Whole Atmosphere Community Climate Model: Motivation and Results. <i>Journals of the Atmospheric Sciences</i> , <b>2017</b> , 74, 275-291	2.1	134
111	Comparing simulated PSC optical properties with CALIPSO observations during the 2010 Antarctic winter. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 1175-1202	4.4	12

110	Modeling the inorganic bromine partitioning in the tropical tropopause layer over the eastern and western Pacific Ocean. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 9917-9930	6.8	6
109	BrO and inferred Br<sub>2</sub> profiles over the western Pacific: relevance of inorganic bromine sources and a Br<sub>2</sub> minimum in the aged tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 15245-15270	6.8	22
108	Impact of biogenic very short-lived bromine on the Antarctic ozone hole during the 21st century. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 1673-1688	6.8	26
107	The viability of trajectory analysis for diagnosing dynamical and chemical influences on ozone concentrations in the UTLS. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 6025-6042	4.4	
106	Tropospheric transport differences between models using the same large-scale meteorological fields. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 1068-1078	4.9	25
105	Review of the global models used within phase 1 of the Chemistry–Climate Model Initiative (CCMI). <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 639-671	6.3	211
104	Classification of stratospheric extreme events according to their downward propagation to the troposphere. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 6665-6672	4.9	39
103	On the secular trend of CO <sub>x</sub> and CO <sub>2</sub> in the lower thermosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 3634-3644	4.4	19
102	Mercury oxidation from bromine chemistry in the free troposphere over the southeastern US. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 3743-3760	6.8	28
101	Nighttime atmospheric chemistry of iodine. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 15593-15604	6.8	22
100	Atmospheric changes caused by galactic cosmic rays over the period 1960–2010. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 5853-5866	6.8	20
99	Transport of chemical tracers from the boundary layer to stratosphere associated with the dynamics of the Asian summer monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 14,159	4.4	78
98	Emergence of healing in the Antarctic ozone layer. <i>Science</i> , <b>2016</b> , 353, 269-74	33.3	337
97	Global volcanic aerosol properties derived from emissions, 1990–2014, using CESM1(WACCM). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2332-2348	4.4	135
96	A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , <b>2016</b> , 7, 10267	17.4	27
95	Review of the global models used within the Chemistry–Climate Model Initiative (CCMI) <b>2016</b> ,		4
94	Representation of the Community Earth System Model (CESM1) CAM4-chem within the Chemistry–Climate Model Initiative (CCMI). <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 1853-1890	6.3	94
93	An observationally constrained evaluation of the oxidative capacity in the tropical western Pacific troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 7461-7488	4.4	17



92	Monsoon circulations and tropical heterogeneous chlorine chemistry in the stratosphere. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 12,624	4.9	17
91	Development of a Polar Stratospheric Cloud Model within the Community Earth System Model using constraints on Type I PSCs from the 2010-2011 Arctic winter. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2015</b> , 7, 551-585	7.1	13
90	Airborne measurements of organic bromine compounds in the Pacific tropical tropopause layer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 13789-93	11.5	41
89	Injection of iodine to the stratosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 6852-6859	4.9	41
88	Simulation of polar ozone depletion: An update. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 7958-7974	4.4	110
87	Bimodal distribution of free tropospheric ozone over the tropical western Pacific revealed by airborne observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 7844-7851	4.9	17
86	Ensemble simulations of the role of the stratosphere in the attribution of northern extratropical tropospheric ozone variability. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2341-2365	6.8	21
85	Stratospheric and mesospheric HO <sub>2</sub> observations from the Aura Microwave Limb Sounder. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2889-2902	6.8	14
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