John A Pyle

List of Publications by Year
in descending order

213	13,018	22132	37183
papers	citations	59 h-index	96 g-index

264	264	264	8984
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Using Machine Learning to Make Computationally Inexpensive Projections of 21st Century Stratospheric Column Ozone Changes in the Tropics. Frontiers in Earth Science, 2021, 8, .	0.8	1
2	Rising methane: is warming feeding warming?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200459.	1.6	0
3	Facility level measurement of offshore oil and gas installations from a medium-sized airborne platform: method development for quantification and source identification of methane emissions. Atmospheric Measurement Techniques, 2021, 14, 71-88.	1.2	21
4	Methane Emissions in a Chemistryâ€Climate Model: Feedbacks and Climate Response. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002019.	1.3	23
5	Global Air Quality, past present and future: an introduction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190323.	1.6	6
6	iDirac: a field-portable instrument for long-term autonomous measurements of isoprene and selected VOCs. Atmospheric Measurement Techniques, 2020, 13, 821-838.	1.2	10
7	Modelling the potential impacts of the recent, unexpected increase in CFC-11 emissions on total column ozone recovery. Atmospheric Chemistry and Physics, 2020, 20, 7153-7166.	1.9	10
8	Methane Mitigation: Methods to Reduce Emissions, on the Path to the Paris Agreement. Reviews of Geophysics, 2020, 58, e2019RG000675.	9.0	163
9	On the Changing Role of the Stratosphere on the Tropospheric Ozone Budget: 1979â€“2010. Geophysical Research Letters, 2020, 47, e2019GL086901.	1.5	18
10	The Influence of Zonally Asymmetric Stratospheric Ozone Changes on the Arctic Polar Vortex Shift. Journal of Climate, 2020, 33, 4641-4658.	1.2	14
11	Ultraviolet Radiation modelling using output from the Chemistry Climate Model Initiative. , 2019, 19, 10087-10110.		5
12	Challenges for the recovery of the ozone layer. Nature Geoscience, 2019, 12, 592-596.	5.4	50
13	Clear-sky ultraviolet radiation modelling using output from the Chemistry Climate Model Initiative. Atmospheric Chemistry and Physics, 2019, 19, 10087-10110.	1.9	22
14	Separating the role of direct radiative heating and photolysis in modulating the atmospheric response to the amplitude of the 11-year solar cycle forcing. Atmospheric Chemistry and Physics, 2019, 19, 9833-9846.	1.9	3
15	Prescribing Zonally Asymmetric Ozone Climatologies in Climate Models: Performance Compared to a Chemistryâ€Climate Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 918-933.	1.3	8
16	Simulating the atmospheric response to the 11-year solar cycle forcing with the UM-UKCA model: the role of detection method and natural variability. Atmospheric Chemistry and Physics, 2019, 19, 5209-5233.	1.9	7
17	Very Strong Atmospheric Methane Growth in the 4ÂYears 2014â€“2017: Implications for the Paris Agreement. Global Biogeochemical Cycles, 2019, 33, 318-342.	1.9	353
18	Delay in recovery of the Antarctic ozone hole from unexpected CFC-11 emissions. Nature Communications, 2019, 10, 5781.	5.8	58

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19	The Impact of Stratospheric Ozone Feedbacks on Climate Sensitivity Estimates. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4630-4641.	1.2	25
20	Chemical and climatic drivers of radiative forcing due to changes in stratospheric and tropospheric ozone over the 21st century. Atmospheric Chemistry and Physics, 2018, 18, 2899-2911.	1.9	6
21	Using machine learning to build temperature-based ozone parameterizations for climate sensitivity simulations. Environmental Research Letters, 2018, 13, 104016.	2.2	48
22	On ozone trend detection: using coupled chemistryâ€“climate simulations to investigate early signs of total column ozone recovery. Atmospheric Chemistry and Physics, 2018, 18, 7625-7637.	1.9	18
23	Global modelling of the total OH reactivity: investigations on the â€œmissingâ€•OH sink and its atmospheric implications. Atmospheric Chemistry and Physics, 2018, 18, 7109-7129.	1.9	31
24	Flow rate and source reservoir identification from airborne chemical sampling of the uncontrolled Elgin platform gas release. Atmospheric Measurement Techniques, 2018, 11, 1725-1739.	1.2	11
25	Estimates of ozone return dates from Chemistry-Climate Model Initiative simulations. Atmospheric Chemistry and Physics, 2018, 18, 8409-8438.	1.9	128
26	Quasi-Newton methods for atmospheric chemistry simulations: implementation in UKCA UM vn10.8. Geoscientific Model Development, 2018, 11, 3089-3108.	1.3	9
27	Coordinated Airborne Studies in the Tropics (CAST). Bulletin of the American Meteorological Society, 2017, 98, 145-162.	1.7	25
28	The Quadrennial Ozone Symposium 2016. Advances in Atmospheric Sciences, 2017, 34, 283-288.	1.9	2
29	Measurement of the ¹³C isotopic signature of methane emissions from northern European wetlands. Global Biogeochemical Cycles, 2017, 31, 605-623.	1.9	52
30	On the role of ozone feedback in the ENSO amplitude response under global warming. Geophysical Research Letters, 2017, 44, 3858-3866.	1.5	32
31	A cautionary tale: A study of a methane enhancement over the North Sea. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7630-7645.	1.2	22
32	The increasing threat to stratospheric ozone from dichloromethane. Nature Communications, 2017, 8, 15962.	5.8	147
33	Diagnosing the radiative and chemical contributions to future changes in tropical column ozone with the UM-UKCA chemistryâ€“climate model. Atmospheric Chemistry and Physics, 2017, 17, 13801-13818.	1.9	23
34	Are the Fenno-Scandinavian Arctic Wetlands a Significant Regional Source of Formic Acid?. Atmosphere, 2017, 8, 112.	1.0	4
35	The development and evaluation of airborne in situ N₂O and CH₄ sampling using a quantum cascade laser absorption spectrometer (QCLAS). Atmospheric Measurement Techniques, 2016, 9, 63-77.	1.2	24
36	Extensive release of methane from Arctic seabed west of Svalbard during summer 2014 does not influence the atmosphere. Geophysical Research Letters, 2016, 43, 4624-4631.	1.5	74

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37	Methane mole fraction and Î´¹³C above and below the trade wind inversion at Ascension Island in air sampled by aerial robotics. Geophysical Research Letters, 2016, 43, 11,893.	1.5	14
38	Measurements of Î´¹³C in CH₄ and using particle dispersion modeling to characterize sources of Arctic methane within an air mass. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14257-14270.	1.2	22
39	Rising atmospheric methane: 2007â€“2014 growth and isotopic shift. Global Biogeochemical Cycles, 2016, 30, 1356-1370.	1.9	317
40	Drivers of changes in stratospheric and tropospheric ozone between year 2000 and 2100. Atmospheric Chemistry and Physics, 2016, 16, 2727-2746.	1.9	66
41	A multi-model intercomparison of halogenated very short-lived substances (TransCom-VSLS): linking oceanic emissions and tropospheric transport for a reconciled estimate of the stratospheric source gas injection of bromine. Atmospheric Chemistry and Physics, 2016, 16, 9163-9187.	1.9	51
42	Heterogeneous reaction of ClONO₂ with TiO₂ and SiO₂ aerosol particles: implications for stratospheric particle injection for climate engineering. Atmospheric Chemistry and Physics, 2016, 16, 15397-15412.	1.9	16
43	Future Arctic ozone recovery: the importance of chemistry and dynamics. Atmospheric Chemistry and Physics, 2016, 16, 12159-12176.	1.9	63
44	Using <i>Î´</i>¹³C-CH₄ and <i>Î´</i>D-CH₄ to constrain Arctic methane emissions. Atmospheric Chemistry and Physics, 2016, 16, 14891-14908.	1.9	34
45	Constraints on oceanic methane emissions west of Svalbard from atmospheric in situ measurements and Lagrangian transport modeling. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14188-14200.	1.2	10
46	Sensitivity of tropical deep convection in global models: effects of horizontal resolution, surface constraints, and <scp>3D</scp> atmospheric nudging. Atmospheric Science Letters, 2015, 16, 148-154.	0.8	5
47	Rapid transport of East Asian pollution to the deep tropics. Atmospheric Chemistry and Physics, 2015, 15, 3565-3573.	1.9	36
48	Influence of isoprene chemical mechanism on modelled changes in tropospheric ozone due to climate and land use over the 21st century. Atmospheric Chemistry and Physics, 2015, 15, 5123-5143.	1.9	70
49	On the emissions and transport of bromoform: sensitivity to model resolution and emission location. Atmospheric Chemistry and Physics, 2015, 15, 14031-14040.	1.9	6
50	Night-time measurements of HO_{<i>x</i>} during the RONOCO project and analysis of the sources of HO₂. Atmospheric Chemistry and Physics, 2015, 15, 8179-8200.	1.9	11
51	Quantifying the ozone and ultraviolet benefits already achieved by the Montreal Protocol. Nature Communications, 2015, 6, 7233.	5.8	99
52	A large ozone-circulation feedback and its implications for global warming assessments. Nature Climate Change, 2015, 5, 41-45.	8.1	115
53	CAN SEAWEED FARMING IN THE TROPICS CONTRIBUTE TO CLIMATE CHANGE THROUGH EMISSION OF SHORT-LIVED HALOCARBONS?. Malaysian Journal of Science, 2015, 34, 8-19.	0.2	10
54	Methane and carbon dioxide fluxes and their regional scalability for the European Arctic wetlands during the MAMM project in summer 2012. Atmospheric Chemistry and Physics, 2014, 14, 13159-13174.	1.9	39

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55	Evaluation of the new UKCA climate-composition model â€“ Part 2: The Troposphere. Geoscientific Model Development, 2014, 7, 41-91.	1.3	191
56	Multimodel estimates of atmospheric lifetimes of longâ€lived ozoneâ€depleting substances: Present and future. Journal of Geophysical Research D: Atmospheres, 2014, 119, 2555-2573.	1.2	42
57	The impact of polar stratospheric ozone loss on Southern Hemisphere stratospheric circulation and climate. Atmospheric Chemistry and Physics, 2014, 14, 13705-13717.	1.9	53
58	Bromocarbons in the tropical coastal and open ocean atmosphere during the 2009 Prime Expedition Scientific Cruise (PESC-09). Atmospheric Chemistry and Physics, 2014, 14, 8137-8148.	1.9	19
59	Aerosol microphysics simulations of the Mt.~Pinatubo eruption with the UM-UKCA composition-climate model. Atmospheric Chemistry and Physics, 2014, 14, 11221-11246.	1.9	62
60	Representing ozone extremes in European megacities: the importance of resolution in a global chemistry climate model. Atmospheric Chemistry and Physics, 2014, 14, 3899-3912.	1.9	30
61	Heterogeneous reaction of N₂O₅ with airborne TiO₂ particles and its implication for stratospheric particle injection. Atmospheric Chemistry and Physics, 2014, 14, 6035-6048.	1.9	31
62	Long-term halocarbon observations from a coastal and an inland site in Sabah, Malaysian Borneo. Atmospheric Chemistry and Physics, 2014, 14, 8369-8388.	1.9	19
63	Lightning NO_x, a key chemistryâ€climate interaction: impacts of future climate change and consequences for tropospheric oxidising capacity. Atmospheric Chemistry and Physics, 2014, 14, 9871-9881.	1.9	74
64	Influence of future climate and cropland expansion on isoprene emissions and tropospheric ozone. Atmospheric Chemistry and Physics, 2014, 14, 1011-1024.	1.9	37
65	How sensitive is the recovery of stratospheric ozone to changes in concentrations of very short-lived bromocarbons?. Atmospheric Chemistry and Physics, 2014, 14, 10431-10438.	1.9	34
66	Estimates of tropical bromoform emissions using an inversion method. Atmospheric Chemistry and Physics, 2014, 14, 979-994.	1.9	21
67	Volatile halocarbon emissions by three tropical brown seaweeds under different irradiances. Journal of Applied Phycology, 2013, 25, 1377-1386.	1.5	35
68	Joe Farman (1930â€“2013). Nature, 2013, 498, 435-435.	13.7	1
69	Impacts of climate change, ozone recovery, and increasing methane on surface ozone and the tropospheric oxidizing capacity. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1028-1041.	1.2	55
70	Implementation of the Fast-JX Photolysis scheme (v6.4) into the UKCA component of the MetUM chemistry-climate model (v7.3). Geoscientific Model Development, 2013, 6, 161-177.	1.3	84
71	Circulation anomalies in the Southern Hemisphere and ozone changes. Atmospheric Chemistry and Physics, 2013, 13, 10677-10688.	1.9	29
72	Modelling the impact of megacities on local, regional and global tropospheric ozone and the deposition of nitrogen species. Atmospheric Chemistry and Physics, 2013, 13, 12215-12231.	1.9	24

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73	A global model study of the impact of land-use change in Borneo on atmospheric composition. Atmospheric Chemistry and Physics, 2013, 13, 9183-9194.	1.9	16
74	Evaluation of biospheric components in Earth system models using modern and palaeo-observations: the state-of-the-art. Biogeosciences, 2013, 10, 8305-8328.	1.3	11
75	A Lagrangian model of air-mass photochemistry and mixing using a trajectory ensemble: the Cambridge Tropospheric Trajectory model of Chemistry And Transport (CiTTyCAT) version 4.2. Geoscientific Model Development, 2012, 5, 193-221.	1.3	24
76	Transport of short-lived species into the Tropical Tropopause Layer. Atmospheric Chemistry and Physics, 2012, 12, 6309-6322.	1.9	32
77	Modelling future changes to the stratospheric source gas injection of biogenic bromocarbons. Geophysical Research Letters, 2012, 39, .	1.5	38
78	The impact of local surface changes in Borneo on atmospheric composition at wider spatial scales: coastal processes, land-use change and air quality. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3210-3224.	1.8	27
79	Ozone concentration changes in the Asian summer monsoon anticyclone and lower stratospheric water vapour: An idealised model study. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	9
80	Impacts of HO_xregeneration and recycling in the oxidation of isoprene: Consequences for the composition of past, present and future atmospheres. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	78
81	In search of an ice core signal to differentiate between source-driven and sink-driven changes in atmospheric methane. Journal of Geophysical Research, 2011, 116, .	3.3	14
82	Multimodel climate and variability of the stratosphere. Journal of Geophysical Research, 2011, 116, .	3.3	139
83	Using transport diagnostics to understand chemistry climate model ozone simulations. Journal of Geophysical Research, 2011, 116, .	3.3	68
84	Reconciling the changes in atmospheric methane sources and sinks between the Last Glacial Maximum and the pre-industrial era. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	36
85	Representation of tropical deep convection in atmospheric models â€“ Part 1: Meteorology and comparison with satellite observations. Atmospheric Chemistry and Physics, 2011, 11, 2765-2786.	1.9	36
86	Bromoform in the tropical boundary layer of the Maritime Continent during OP3. Atmospheric Chemistry and Physics, 2011, 11, 529-542.	1.9	55
87	Global multi-year O₃-CO correlation patterns from models and TES satellite observations. Atmospheric Chemistry and Physics, 2011, 11, 5819-5838.	1.9	54
88	Representation of tropical deep convection in atmospheric models â€“ Part 2: Tracer transport. Atmospheric Chemistry and Physics, 2011, 11, 8103-8131.	1.9	46
89	Might dimming the sun change atmospheric ENSO teleconnections as we know them?. Atmospheric Science Letters, 2011, 12, 184-188.	0.8	13
90	Increases in global tropospheric ozone following an El NiÃ±o event: examining stratospheric ozone variability as a potential driver. Atmospheric Science Letters, 2011, 12, 228-232.	0.8	30

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91	Sensitivity of the midâ€winter Arctic stratosphere to QBO width in a simplified chemistryâ€“climate model. Atmospheric Science Letters, 2011, 12, 268-272.	0.8	5
92	The atmospheric chemistry of trace gases and particulate matter emitted by different land uses in Borneo. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3177-3195.	1.8	36
93	Effects of land use on surfaceâ€“atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3196-3209.	1.8	78
94	Modelling deep convection and its impacts on the tropical tropopause layer. Atmospheric Chemistry and Physics, 2010, 10, 11175-11188.	1.9	21
95	Snow-sourced bromine and its implications for polar tropospheric ozone. Atmospheric Chemistry and Physics, 2010, 10, 7763-7773.	1.9	129
96	NO_x and O₃ above a tropical rainforest: an analysis with a global and box model. Atmospheric Chemistry and Physics, 2010, 10, 10607-10620.	1.9	32
97	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. Atmospheric Chemistry and Physics, 2010, 10, 169-199.	1.9	130
98	Interannual variability of tropospheric composition: the influence of changes in emissions, meteorology and clouds. Atmospheric Chemistry and Physics, 2010, 10, 2491-2506.	1.9	52
99	Effects of climate-induced changes in isoprene emissions after the eruption of Mount Pinatubo. Atmospheric Chemistry and Physics, 2010, 10, 7117-7125.	1.9	39
100	Impact of West African Monsoon convective transport and lightning NO_x production upon the upper tropospheric composition: a multi-model study. Atmospheric Chemistry and Physics, 2010, 10, 5719-5738.	1.9	57
101	<i>Î¼</i>Dirac: an autonomous instrument for halocarbon measurements. Atmospheric Measurement Techniques, 2010, 3, 507-521.	1.2	25
102	Multi-model assessment of stratospheric ozone return dates and ozone recovery in CCMVal-2 models. Atmospheric Chemistry and Physics, 2010, 10, 9451-9472.	1.9	215
103	Decline and recovery of total column ozone using a multimodel time series analysis. Journal of Geophysical Research, 2010, 115, .	3.3	74
104	Assessment of the breakup of the Antarctic polar vortex in two new chemistryâ€climate models. Journal of Geophysical Research, 2010, 115, .	3.3	25
105	Anthropogenic forcing of the Northern Annular Mode in CCMValâ€2 models. Journal of Geophysical Research, 2010, 115, .	3.3	32
106	Chemistryâ€climate model simulations of spring Antarctic ozone. Journal of Geophysical Research, 2010, 115, .	3.3	51
107	Multimodel assessment of the upper troposphere and lower stratosphere: Tropics and global trends. Journal of Geophysical Research, 2010, 115, .	3.3	171
108	Impact of stratospheric ozone recovery on tropospheric ozone and its budget. Geophysical Research Letters, 2010, 37, .	1.5	72

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109	Multimodel assessment of the upper troposphere and lower stratosphere: Extratropics. Journal of Geophysical Research, 2010, 115, .	3.3	67
110	Impact of stratospheric ozone on Southern Hemisphere circulation change: A multimodel assessment. Journal of Geophysical Research, 2010, 115, .	3.3	280
111	Multimodel assessment of the factors driving stratospheric ozone evolution over the 21st century. Journal of Geophysical Research, 2010, 115, .	3.3	66
112	MEGAPOLI: concept of multi-scale modelling of megacity impact on air quality and climate. Advances in Science and Research, 2010, 4, 115-120.	1.0	62
113	Nitrogen management is essential to prevent tropical oil palm plantations from causing ground-level ozone pollution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18447-18451.	3.3	161
114	Quantifying the Imprint of a Severe Hector Thunderstorm during ACTIVE/SCOUT-O3 onto the Water Content in the Upper Troposphere/Lower Stratosphere. Monthly Weather Review, 2009, 137, 2493-2514.	0.5	49
115	Shortâ€lived bromine compounds in the lower stratosphere; impact of climate change on ozone. Atmospheric Science Letters, 2009, 10, 201-206.	0.8	29
116	Kick-starting ancient warming. Nature Geoscience, 2009, 2, 156-159.	5.4	26
117	How different would tropospheric oxidation be over an iceâ€free Arctic?. Geophysical Research Letters, 2009, 36, .	1.5	16
118	Multimodel estimates of intercontinental sourceâ€receptor relationships for ozone pollution. Journal of Geophysical Research, 2009, 114, .	3.3	430
119	The CO₂ inhibition of terrestrial isoprene emission significantly affects future ozone projections. Atmospheric Chemistry and Physics, 2009, 9, 2793-2803.	1.9	103
120	Reassessment of causes of ozone column variability following the eruption of Mount Pinatubo using a nudged CCM. Atmospheric Chemistry and Physics, 2009, 9, 4251-4260.	1.9	52
121	Clouds, photolysis and regional tropospheric ozone budgets. Atmospheric Chemistry and Physics, 2009, 9, 8235-8246.	1.9	42
122	Bromocarbons in the tropical marine boundary layer at the Cape Verde Observatory â€“ measurements and modelling. Atmospheric Chemistry and Physics, 2009, 9, 9083-9099.	1.9	48
123	Evaluation of the new UKCA climate-composition model â€“ Part 1: The stratosphere. Geoscientific Model Development, 2009, 2, 43-57.	1.3	243
124	Upgrading photolysis in the p-TOMCAT CTM: model evaluation and assessment of the role of clouds. Geoscientific Model Development, 2009, 2, 59-72.	1.3	32
125	End-Permian ozone shield unaffected byÂoceanic hydrogen sulphide and methaneÂreleases. Nature Geoscience, 2008, 1, 247-252.	5.4	11
126	Plant spore walls as a record of long-term changes in ultraviolet-B radiation. Nature Geoscience, 2008, 1, 592-596.	5.4	68

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127	Impact of perturbations to nitrogen oxide emissions from global aviation. Journal of Geophysical Research, 2008, 113, .	3.3	88
128	Sea salt aerosol production and bromine release: Role of snow on sea ice. Geophysical Research Letters, 2008, 35, .	1.5	195
129	The World Avoided by the Montreal Protocol. Geophysical Research Letters, 2008, 35, .	1.5	90
130	Technical Note: Description and assessment of a nudged version of the new dynamics Unified Model. Atmospheric Chemistry and Physics, 2008, 8, 1701-1712.	1.9	110
131	Impact of climate change on tropospheric ozone and its global budgets. Atmospheric Chemistry and Physics, 2008, 8, 369-387.	1.9	166
132	Climate/chemistry feedbacks and biogenic emissions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1727-1740.	1.6	20
133	A change in the calculated impact of supersonic aircraft NO_x emissions on the atmosphere. Aeronautical Journal, 2007, 111, 311-314.	1.1	4
134	Pathways and timescales for troposphere-to-stratosphere transport via the tropical tropopause layer and their relevance for very short lived substances. Journal of Geophysical Research, 2007, 112, .	3.3	88
135	Strong influence of lowermost stratospheric ozone on lower tropospheric background ozone changes over Europe. Geophysical Research Letters, 2007, 34, .	1.5	128
136	A two-dimensional atmospheric chemistry modeling investigation of Earth's Phanerozoic O3and near-surface ultraviolet radiation history. Journal of Geophysical Research, 2007, 112, .	3.3	21
137	Forest fire plumes over the North Atlantic: p-TOMCAT model simulations with aircraft and satellite measurements from the ITOP/ICARTT campaign. Journal of Geophysical Research, 2007, 112, .	3.3	55
138	Multimodel ensemble simulations of present-day and near-future tropospheric ozone. Journal of Geophysical Research, 2006, 111, .	3.3	743
139	Multimodel simulations of carbon monoxide: Comparison with observations and projected near-future changes. Journal of Geophysical Research, 2006, 111, .	3.3	254
140	The Global Atmospheric Environment for the Next Generation. Environmental Science & Technology, 2006, 40, 3586-3594.	4.6	338
141	Global modeling of biogenic bromocarbons. Journal of Geophysical Research, 2006, 111, .	3.3	138
142	Radiative forcing since preindustrial times due to ozone change in the troposphere and the lower stratosphere. Atmospheric Chemistry and Physics, 2006, 6, 575-599.	1.9	140
143	The stratospheric response to changes in ozone and carbon dioxide as modelled with a GCM including parameterised ozone chemistry. Meteorologische Zeitschrift, 2006, 15, 343-354.	0.5	11
144	Trend analysis of CTM-derived northern hemisphere winter total ozone using self-consistent proxies: How well can we explain dynamically induced trends?. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 1969-1983.	1.0	7

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145	Ozone loss derived from balloon-borne tracer measurements in the 1999/2000 Arctic winter. Atmospheric Chemistry and Physics, 2005, 5, 1423-1436.	1.9	12
146	Comparison and visualisation of high-resolution transport modelling with aircraft measurements. Atmospheric Science Letters, 2005, 6, 164-170.	0.8	26
147	Dynamical variability in the modelling of chemistryâ€“climate interactions. Faraday Discussions, 2005, 130, 27.	1.6	17
148	Influence of El NiÃ±o Southern Oscillation on stratosphere/troposphere exchange and the global tropospheric ozone budget. Geophysical Research Letters, 2005, 32, .	1.5	92
149	The recent turnaround in stratospheric ozone over northern middle latitudes: A dynamical modeling perspective. Geophysical Research Letters, 2005, 32, n/a-n/a.	1.5	73
150	Tropospheric bromine chemistry and its impacts on ozone: A model study. Journal of Geophysical Research, 2005, 110, .	3.3	234
151	Sensitivity of dynamics and ozone to different representations of SSTs in the Unified Model. Quarterly Journal of the Royal Meteorological Society, 2004, 130, 2033-2045.	1.0	30
152	The Impact of Arctic Ozone Depletion on Northern Middle Latitudes: Interannual Variability and Dynamical Control. Journal of Atmospheric Chemistry, 2004, 47, 25-43.	1.4	27
153	Impact of a hydrogen economy on the stratosphere and troposphere studied in a 2-D model. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	98
154	Using GOME NO₂ satellite data to examine regional differences in TOMCAT model performance. Atmospheric Chemistry and Physics, 2004, 4, 1895-1912.	1.9	45
155	Changing ozone and changing circulation in northern mid-latitudes: Possible feedbacks?. Geophysical Research Letters, 2003, 30, .	1.5	32
156	Changes in tropospheric ozone between 2000 and 2100 modeled in a chemistry-climate model. Geophysical Research Letters, 2003, 30, .	1.5	112
157	Radiative forcing in the 21st century due to ozone changes in the troposphere and the lower stratosphere. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	153
158	Diagnosing ozone loss in the extratropical lower stratosphere. Journal of Geophysical Research, 2002, 107, ACH 3-1-ACH 3-11.	3.3	39
159	A model study of the connection between polar and midlatitude ozone loss in the Northern Hemisphere lower stratosphere. Journal of Geophysical Research, 2002, 107, SOL 66-1-SOL 66-12.	3.3	22
160	Diagnosis of mixing between middle latitudes and the polar vortex from tracer-tracer correlations. Journal of Geophysical Research, 2002, 107, ACH 1-1-ACH 1-19.	3.3	7
161	Characterising the effect of large-scale model resolution upon calculated OH production using MOZAIC data. Geophysical Research Letters, 2002, 29, 55-1.	1.5	11
162	The impact of meteorology on the interannual growth rate of atmospheric methane. Geophysical Research Letters, 2002, 29, 8-1-8-4.	1.5	48

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163	Cumulative mixing inferred from stratospheric tracer relationships. Journal of Geophysical Research, 2002, 107, SOL 64-1-SOL 64-16.	3.3	7
164	Title is missing!. Journal of Atmospheric Chemistry, 2001, 39, 123-138.	1.4	15
165	Title is missing!. Journal of Atmospheric Chemistry, 2001, 40, 123-170.	1.4	3
166	Title is missing!. Journal of Atmospheric Chemistry, 2001, 38, 195-227.	1.4	5
167	Title is missing!. Journal of Atmospheric Chemistry, 2001, 38, 31-71.	1.4	9
168	DESCARTES: A novel lightweight balloon-borne instrument for measurement of halocarbons. Review of Scientific Instruments, 2000, 71, 271-280.	0.6	11
169	Title is missing!. Journal of Atmospheric Chemistry, 1999, 34, 365-383.	1.4	14
170	Intercomparison of measured and modelled BrO slant column amounts for the Arctic winter and spring 1994/95. Geophysical Research Letters, 1999, 26, 1861-1864.	1.5	25
171	Implementation of a convective atmospheric boundary layer scheme in a tropospheric chemistry transport model. Journal of Geophysical Research, 1999, 104, 23729-23745.	3.3	43
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