Paul J Young

List of Publications by Year
in descending order

56 papers	5,350 citations	172457 29 h-index	161849 54 g-index
80 all docs	80 docs citations	80 times ranked	6629 citing authors

#	Article	IF	Citations
1	Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 2063-2090.	4.9	570
2	The future of hyperdiverse tropical ecosystems. Nature, 2018, 559, 517-526.	27.8	452
3	Radiative forcing in the ACCMIP historical and future climate simulations. Atmospheric Chemistry and Physics, 2013, 13, 2939-2974.	4.9	395
4	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. Geoscientific Model Development, 2013, 6, 179-206.	3.6	388
5	Tropospheric ozone changes, radiative forcing and attribution to emissions in the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 3063-3085.	4.9	361
6	Preindustrial to present-day changes in tropospheric hydroxyl radical and methane lifetime from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). Atmospheric Chemistry and Physics, 2013, 13, 5277-5298.	4.9	288
7	Analysis of present day and future OH and methane lifetime in the ACCMIP simulations. Atmospheric Chemistry and Physics, 2013, 13, 2563-2587.	4.9	257
8	Longâ€term ozone changes and associated climate impacts in CMIP5 simulations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5029-5060.	3.3	243
9	Evaluation of the new UKCA climate-composition model â€“ Part 2: The Troposphere. Geoscientific Model Development, 2014, 7, 41-91.	3.6	191
10	Tropospheric Ozone Assessment Report: Assessment of global-scale model performance for global and regional ozone distributions, variability, and trends. Elementa, 2018, 6, .	3.2	177
11	Impact of climate change on tropospheric ozone and its global budgets. Atmospheric Chemistry and Physics, 2008, 8, 369-387.	4.9	166
12	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. Nature Sustainability, 2019, 2, 569-579.	23.7	156
13	Ozoneâ€"climate interactions and effects on solar ultraviolet radiation. Photochemical and Photobiological Sciences, 2019, 18, 602-640.	2.9	126
14	Climate policy implications of nonlinear decline of Arctic land permafrost and other cryosphere elements. Nature Communications, 2019, 10, 1900.	12.8	108
15	The CO₂ inhibition of terrestrial isoprene emission significantly affects future ozone projections. Atmospheric Chemistry and Physics, 2009, 9, 2793-2803.	4.9	103
16	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. Photochemical and Photobiological Sciences, 2021, 20, 1-67.	2.9	93
17	Tropospheric ozone in CMIP6 simulations. Atmospheric Chemistry and Physics, 2021, 21, 4187-4218.	4.9	89
18	Evaluation of ACCMIP outgoing longwave radiation from tropospheric ozone using TES satellite observations. Atmospheric Chemistry and Physics, 2013, 13, 4057-4072.	4.9	61

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19	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. Photochemical and Photobiological Sciences, 2020, 19, 542-584.	2.9	59
20	A vertically resolved, global, gap-free ozone database for assessing or constraining global climate model simulations. Earth System Science Data, 2013, 5, 31-43.	9.9	53
21	Interannual variability of tropospheric composition: the influence of changes in emissions, meteorology and clouds. Atmospheric Chemistry and Physics, 2010, 10, 2491-2506.	4.9	52
22	Tropospheric Ozone Assessment Report. Elementa, 2020, 8, .	3.2	52
23	Is the ozone climate penalty robust in Europe?. Environmental Research Letters, 2015, 10, 084015.	5.2	48
24	Changes in Stratospheric Temperatures and Their Implications for Changes in the Brewerâ€“Dobson Circulation, 1979â€“2005. Journal of Climate, 2012, 25, 1759-1772.	3.2	45
25	Response of lightning NO_x emissions and ozone production to climate change: Insights from the Atmospheric Chemistry and Climate Model Intercomparison Project. Geophysical Research Letters, 2016, 43, 5492-5500.	4.0	44
26	Secondary forests offset less than 10% of deforestationâ€mediated carbon emissions in the Brazilian Amazon. Global Change Biology, 2020, 26, 7006-7020.	9.5	40
27	Effects of climate-induced changes in isoprene emissions after the eruption of Mount Pinatubo. Atmospheric Chemistry and Physics, 2010, 10, 7117-7125.	4.9	39
28	The Montreal Protocol protects the terrestrial carbon sink. Nature, 2021, 596, 384-388.	27.8	38
29	Changes in the polar vortex: Effects on Antarctic total ozone observations at various stations. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	37
30	Diverse policy implications for future ozone and surface UV in a changing climate. Environmental Research Letters, 2016, 11, 064017.	5.2	37
31	The Seasonal Cycle and Interannual Variability in Stratospheric Temperatures and Links to the Brewerâ€“Dobson Circulation: An Analysis of MSU and SSU Data. Journal of Climate, 2011, 24, 6243-6258.	3.2	33
32	Stratospheric ozone change and related climate impacts over 1850â€“2100 as modelled by the ACCMIP ensemble. Atmospheric Chemistry and Physics, 2016, 16, 343-363.	4.9	33
33	NO_x and O₃ above a tropical rainforest: an analysis with a global and box model. Atmospheric Chemistry and Physics, 2010, 10, 10607-10620.	4.9	32
34	Uncertainties in the evolution of stratospheric ozone and implications for recent temperature changes in the tropical lower stratosphere. Geophysical Research Letters, 2012, 39, .	4.0	31
35	Comparison of three vertically resolved ozone data sets: climatology, trends and radiative forcings. Atmospheric Chemistry and Physics, 2013, 13, 5533-5550.	4.9	31
36	Uncertainties in models of tropospheric ozone based on Monte Carlo analysis: Tropospheric ozone burdens, atmospheric lifetimes and surface distributions. Atmospheric Environment, 2018, 180, 93-102.	4.1	31

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37	Key drivers of ozone change and its radiative forcing over the 21st century. Atmospheric Chemistry and Physics, 2018, 18, 6121-6139.	4.9	30
38	How plants can influence tropospheric chemistry: the role of isoprene emissions from the biosphere. Weather, 2009, 64, 332-336.	0.7	28
39	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.	4.0	27
40	Agreement in late twentieth century Southern Hemisphere stratospheric temperature trends in observations and CCMValâ€2, CMIP3, and CMIP5 models. Journal of Geophysical Research D: Atmospheres, 2013, 118, 605-613.	3.3	27
41	Isocyanic acid in a global chemistry transport model: Tropospheric distribution, budget, and identification of regions with potential health impacts. Journal of Geophysical Research, 2012, 117, .	3.3	24
42	Old-growth forest loss and secondary forest recovery across Amazonian countries. Environmental Research Letters, 2021, 16, 085009.	5.2	22
43	Climate/chemistry feedbacks and biogenic emissions. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1727-1740.	3.4	20
44	Interhemispheric differences in seasonal cycles of tropospheric ozone in the marine boundary layer: Observationâ€model comparisons. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,075.	3.3	19
45	Reconciling modeled and observed temperature trends over Antarctica. Geophysical Research Letters, 2012, 39, .	4.0	17
46	A Large Ensemble Approach to Quantifying Internal Model Variability Within the WRF Numerical Model. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031286.	3.3	16
47	Projecting ozone hole recovery using an ensemble of chemistryâ€“climate models weighted by model performance and independence. Atmospheric Chemistry and Physics, 2020, 20, 9961-9977.	4.9	16
48	Urbanisationâ€™s contribution to climate warming in Great Britain. Environmental Research Letters, 2020, 15, 114014.	5.2	14
49	Modeling the climate impact of Southern Hemisphere ozone depletion: The importance of the ozone data set. Geophysical Research Letters, 2014, 41, 9033-9039.	4.0	10
50	SE in ES. , 2018, , .		10
51	A temperature dependent extreme value analysis of UK surface ozone, 1980â€“2019. Atmospheric Environment, 2022, 273, 118975.	4.1	9
52	Tropical Stratospheric Circulation and Ozone Coupled to Pacific Multiâ€Đecadal Variability. Geophysical Research Letters, 2021, 48, e2020GL092162.	4.0	5
53	Attribution of Stratospheric and Tropospheric Ozone Changes Between 1850 and 2014 in CMIP6 Models. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	5
54	Atmospheric chemistry and the biosphere: general discussion. Faraday Discussions, 2017, 200, 195-228.	3.2	1

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55	The air we breathe: Past, present, and future: general discussion. Faraday Discussions, 2017, 200, 501-527.	3.2	1
56	New tools for atmospheric chemistry: general discussion. Faraday Discussions, 2017, 200, 663-691.	3.2	0