

# John C Fyfe

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

5,687  
citations

87888

38  
h-index

82547

72  
g-index

77  
all docs

77  
docs citations

77  
times ranked

6252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolving Sahel Rainfall Response to Anthropogenic Aerosols Driven by Shifting Regional Oceanic and Emission Influences. <i>Journal of Climate</i> , 2022, , 1-27.	3.2	7
2	Arctic change reduces risk of cold extremes. <i>Science</i> , 2022, 375, 729-729.	12.6	7
3	On the Southern Hemisphere Stratospheric Response to ENSO and Its Impacts on Tropospheric Circulation. <i>Journal of Climate</i> , 2022, 35, 1963-1981.	3.2	2
4	Robust Anthropogenic Signal Identified in the Seasonal Cycle of Tropospheric Temperature. <i>Journal of Climate</i> , 2022, 35, 6075-6100.	3.2	6
5	Future Southern Ocean warming linked to projected ENSO variability. <i>Nature Climate Change</i> , 2022, 12, 649-654.	18.8	23
6	Increasing ENSOâ€“rainfall variability due to changes in future tropical temperatureâ€“rainfall relationship. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	58
7	Quantifying the influence of short-term emission reductions on climate. <i>Science Advances</i> , 2021, 7, .	10.3	24
8	The Ocean Carbon Response to COVIDâ€“Related Emissions Reductions. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092263.	4.0	9
9	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6. <i>Earth System Dynamics</i> , 2021, 12, 253-293.	7.1	236
10	Quantifying Errors in Observationally Based Estimates of Ocean Carbon Sink Variability. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2020GB006788.	4.9	60
11	Significant impact of forcing uncertainty in a large ensemble of climate model simulations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	46
12	Decreasing subseasonal temperature variability in the northern extratropics attributed to human influence. <i>Nature Geoscience</i> , 2021, 14, 719-723.	12.9	19
13	On the Detection of COVIDâ€“Driven Changes in Atmospheric Carbon Dioxide. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095396.	4.0	2
14	Societal shifts due to COVID-19 reveal large-scale complexities and feedbacks between atmospheric chemistry and climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	42
15	Contrasting Recent Trends in Southern Hemisphere Westerlies Across Different Ocean Basins. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088890.	4.0	13
16	Ongoing AMOC and related sea-level and temperature changes after achieving the Paris targets. <i>Nature Climate Change</i> , 2020, 10, 672-677.	18.8	15
17	A pause in Southern Hemisphere circulation trends due to the Montreal Protocol. <i>Nature</i> , 2020, 579, 544-548.	27.8	106
18	Insights from Earth system model initial-condition large ensembles and future prospects. <i>Nature Climate Change</i> , 2020, 10, 277-286.	18.8	436

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19	Human influence on joint changes in temperature, rainfall and continental aridity. <i>Nature Climate Change</i> , 2020, 10, 726-731.	18.8	75
20	Antarctica and the Southern Ocean. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S287-S320.	3.3	15
21	Anthropogenic Aerosols Dominate Forced Multidecadal Sahel Precipitation Change through Distinct Atmospheric and Oceanic Drivers. <i>Journal of Climate</i> , 2020, 33, 10187-10204.	3.2	16
22	Midlatitudes unaffected by sea ice loss. <i>Nature Climate Change</i> , 2019, 9, 649-650.	18.8	8
23	Quantifying stochastic uncertainty in detection time of human-caused climate signals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19821-19827.	7.1	32
24	Ice-free Arctic projections under the Paris Agreement. <i>Nature Climate Change</i> , 2018, 8, 404-408.	18.8	77
25	No Impact of Anthropogenic Aerosols on Early 21st Century Global Temperature Trends in a Large Initial-Condition Ensemble. <i>Geophysical Research Letters</i> , 2018, 45, 9245-9252.	4.0	25
26	Aerosol-driven increase in Arctic sea ice over the middle of the twentieth century. <i>Geophysical Research Letters</i> , 2017, 44, 7338-7346.	4.0	32
27	Large near-term projected snowpack loss over the western United States. <i>Nature Communications</i> , 2017, 8, 14996.	12.8	203
28	Remarkable separability of circulation response to Arctic sea ice loss and greenhouse gas forcing. <i>Geophysical Research Letters</i> , 2017, 44, 7955-7964.	4.0	63
29	The United States "warming hole": Quantifying the forced aerosol response given large internal variability. <i>Geophysical Research Letters</i> , 2017, 44, 1928-1937.	4.0	29
30	Arctic sea ice response to the eruptions of Agung, El Chichón, and Pinatubo. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8071-8078.	3.3	17
31	Twenty-five winters of unexpected Eurasian cooling unlikely due to Arctic sea-ice loss. <i>Nature Geoscience</i> , 2016, 9, 838-842.	12.9	247
32	Potential near-future carbon uptake overcomes losses from a large insect outbreak in British Columbia, Canada. <i>Geophysical Research Letters</i> , 2016, 43, 2590-2598.	4.0	25
33	Tropical Pacific impacts on cooling North American winters. <i>Nature Climate Change</i> , 2016, 6, 970-974.	18.8	65
34	Making sense of the early-2000s warming slowdown. <i>Nature Climate Change</i> , 2016, 6, 224-228.	18.8	333
35	Impact of aerosol emission controls on future Arctic sea ice cover. <i>Geophysical Research Letters</i> , 2015, 42, 8481-8488.	4.0	29
36	Comparing Trends in the Southern Annular Mode and Surface Westerly Jet. <i>Journal of Climate</i> , 2015, 28, 8840-8859.	3.2	80

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37	Observed multivariable signals of late 20th and early 21st century volcanic activity. <i>Geophysical Research Letters</i> , 2015, 42, 500-509.	4.0	50
38	Decadal modulation of global surface temperature by internal climate variability. <i>Nature Climate Change</i> , 2015, 5, 555-559.	18.8	368
39	Observed and simulated changes in Antarctic sea ice extent over the past 50 years. <i>Geophysical Research Letters</i> , 2015, 42, 90-95.	4.0	54
40	Volcanic contribution to decadal changes in tropospheric temperature. <i>Nature Geoscience</i> , 2014, 7, 185-189.	12.9	364
41	The Antarctic Sea Ice Response to the Ozone Hole in Climate Models. <i>Journal of Climate</i> , 2014, 27, 1336-1342.	3.2	57
42	Modeling evidence that ozone depletion has impacted extreme precipitation in the austral summer. <i>Geophysical Research Letters</i> , 2013, 40, 4054-4059.	4.0	20
43	The influence of recent Antarctic ice sheet retreat on simulated sea ice area trends. <i>Geophysical Research Letters</i> , 2013, 40, 4328-4332.	4.0	114
44	Surface response to stratospheric aerosol changes in a coupled atmosphere-ocean model. <i>Geophysical Research Letters</i> , 2013, 40, 584-588.	4.0	73
45	Seasonal forecast skill of Arctic sea ice area in a dynamical forecast system. <i>Geophysical Research Letters</i> , 2013, 40, 529-534.	4.0	118
46	Attribution of observed sea level pressure trends to greenhouse gas, aerosol, and ozone changes. <i>Geophysical Research Letters</i> , 2013, 40, 2302-2306.	4.0	86
47	Human influence on extratropical Southern Hemisphere summer precipitation. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	40
48	Ocean carbon uptake and storage influenced by wind bias in global climate models. <i>Nature Climate Change</i> , 2012, 2, 47-52.	18.8	22
49	Observed and simulated changes in the Southern Hemisphere surface westerly wind stress. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	253
50	Drivers of past and future Southern Ocean change: Stratospheric ozone versus greenhouse gas impacts. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	45
51	Skillful predictions of decadal trends in global mean surface temperature. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	39
52	Southern Ocean Response to Strengthening Winds in an Eddy-Permitting Global Climate Model. <i>Journal of Climate</i> , 2010, 23, 5332-5343.	3.2	47
53	Does the ocean impact the atmospheric response to stratospheric ozone depletion?. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	20
54	The role of poleward energy transport in Arctic temperature evolution. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	48

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55	Comparing variability and trends in observed and modelled global mean surface temperature. Geophysical Research Letters, 2010, 37, .	4.0	24
56	Has the ozone hole contributed to increased Antarctic sea ice extent?. Geophysical Research Letters, 2010, 37, .	4.0	115
57	Empirical Orthogonal Functions: The Medium is the Message. Journal of Climate, 2009, 22, 6501-6514.	3.2	209
58	On Annular Modes and Zonal Jets. Journal of Climate, 2008, 21, 1963-1978.	3.2	7
59	Response of the global carbon cycle to human-induced changes in Southern Hemisphere winds. Geophysical Research Letters, 2007, 34, .	4.0	47
60	Anthropogenic speed-up of oceanic planetary waves. Geophysical Research Letters, 2007, 34, .	4.0	11
61	Northern Hemisphere circulation regimes: observed, simulated and predicted. Climate Dynamics, 2007, 28, 867-879.	3.8	11
62	Simulated changes in the extratropical Southern Hemisphere winds and currents. Geophysical Research Letters, 2006, 33, .	4.0	191
63	Southern Ocean warming due to human influence. Geophysical Research Letters, 2006, 33, .	4.0	46
64	Changes in winter cyclone frequencies and strengths simulated in enhanced greenhouse warming experiments: results from the models participating in the IPCC diagnostic exercise. Climate Dynamics, 2006, 26, 713-728.	3.8	190
65	The effect of ocean mixing parametrisation on the enhanced CO2 response of the Southern Hemisphere midlatitude jet. Geophysical Research Letters, 2005, 32, .	4.0	4
66	Effects of time averaging on climate regimes. Geophysical Research Letters, 2004, 31, .	4.0	15
67	The preferred structure of variability of the northern hemisphere atmospheric circulation. Geophysical Research Letters, 2001, 28, 1019-1022.	4.0	71
68	Arctic polar vortex variability in the Canadian middle atmosphere model. Atmosphere - Ocean, 2001, 39, 457-469.	1.6	7
69	The Arctic and Antarctic oscillations and their projected changes under global warming. Geophysical Research Letters, 1999, 26, 1601-1604.	4.0	384
70	Phase-locked and asymmetric correlations of the wintertime atmospheric patterns with the ENSO. Atmosphere - Ocean, 1998, 36, 213-239.	1.6	30
71	Upper-boundary effects in a contour dynamics/surgery model of the polar stratospheric vortex. Atmosphere - Ocean, 1997, 35, 189-207.	1.6	4