

# Ronald J Stouffer

## List of Publications by Year in descending order

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84  
papers

43,817  
citations

25034

57  
h-index

51608

86  
g-index

87  
all docs

87  
docs citations

87  
times ranked

30695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are two modes of thermohaline circulation stable?. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 51, 400.	1.7	78
2	The role of thermohaline circulation in climate. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 51, 91.	1.6	9
3	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6. <i>Earth System Dynamics</i> , 2021, 12, 253-293.	7.1	236
4	Comparison of Equilibrium Climate Sensitivity Estimates From Slab Ocean, 150-Year, and Longer Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088852.	4.0	16
5	Context for interpreting equilibrium climate sensitivity and transient climate response from the CMIP6 Earth system models. <i>Science Advances</i> , 2020, 6, eaba1981.	10.3	321
6	The GFDL Global Ocean and Sea Ice Model OM4.0: Model Description and Simulation Features. <i>Journal of Advances in Modeling Earth Systems</i> , 2019, 11, 3167-3211.	3.8	195
7	Taking climate model evaluation to the next level. <i>Nature Climate Change</i> , 2019, 9, 102-110.	18.8	407
8	Big Jump of Record Warm Global Mean Surface Temperature in 2014–2016 Related to Unusually Large Oceanic Heat Releases. <i>Geophysical Research Letters</i> , 2018, 45, 1069-1078.	4.0	45
9	Change in future climate due to Antarctic meltwater. <i>Nature</i> , 2018, 564, 53-58.	27.8	189
10	Role of Ocean Model Formulation in Climate Response Uncertainty. <i>Journal of Climate</i> , 2018, 31, 9313-9333.	3.2	9
11	The Mechanistic Role of the Central American Seaway in a GFDL Earth System Model. Part 1: Impacts on Global Ocean Mean State and Circulation. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 840-859.	2.9	7
12	Assessing temperature pattern projections made in 1989. <i>Nature Climate Change</i> , 2017, 7, 163-165.	18.8	34
13	Impact of Mountains on Tropical Circulation in Two Earth System Models. <i>Journal of Climate</i> , 2017, 30, 4149-4163.	3.2	13
14	Temperature and Precipitation Variance in CMIP5 Simulations and Paleoclimate Records of the Last Millennium. <i>Journal of Climate</i> , 2017, 30, 8885-8912.	3.2	33
15	OMIP contribution to CMIP6: experimental and diagnostic protocol for the physical component of the Ocean Model Intercomparison Project. <i>Geoscientific Model Development</i> , 2016, 9, 3231-3296.	3.6	223
16	Towards improved and more routine Earth system model evaluation in CMIP. <i>Earth System Dynamics</i> , 2016, 7, 813-830.	7.1	74
17	Overview of the Coupled Model Intercomparison Project Phase 6 (CMIP6) experimental design and organization. <i>Geoscientific Model Development</i> , 2016, 9, 1937-1958.	3.6	5,303
18	Industrial-era global ocean heat uptake doubles in recent decades. <i>Nature Climate Change</i> , 2016, 6, 394-398.	18.8	127

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19	On Critiques of “Stationarity is Dead: Whither Water Management?” Water Resources Research, 2015, 51, 7785-7789.	4.2	204
20	Contrasting Local versus Regional Effects of Land-Use-Change-Induced Heterogeneity on Historical Climate: Analysis with the GFDL Earth System Model. Journal of Climate, 2015, 28, 5448-5469.	3.2	60
21	An Enhanced Model of Land Water and Energy for Global Hydrologic and Earth-System Studies. Journal of Hydrometeorology, 2014, 15, 1739-1761.	1.9	155
22	Influence of the Atlantic Meridional Overturning Circulation on the monsoon rainfall and carbon balance of the American tropics. Geophysical Research Letters, 2014, 41, 146-151.	4.0	34
23	Influence of Ocean and Atmosphere Components on Simulated Climate Sensitivities. Journal of Climate, 2013, 26, 231-245.	3.2	30
24	Reductions in labour capacity from heat stress under climate warming. Nature Climate Change, 2013, 3, 563-566.	18.8	407
25	GFDL’s ESM2 Global Coupled Climate “Carbon Earth System Models. Part II: Carbon System Formulation and Baseline Simulation Characteristics”. Journal of Climate, 2013, 26, 2247-2267.	3.2	540
26	Sensitivity of Twenty-First-Century Global-Mean Steric Sea Level Rise to Ocean Model Formulation. Journal of Climate, 2013, 26, 2947-2956.	3.2	25
27	Northern High-Latitude Heat Budget Decomposition and Transient Warming. Journal of Climate, 2013, 26, 609-621.	3.2	66
28	Historical warming reduced due to enhanced land carbon uptake. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16730-16735.	7.1	88
29	GFDL’s ESM2 Global Coupled Climate “Carbon Earth System Models. Part I: Physical Formulation and Baseline Simulation Characteristics. Journal of Climate, 2012, 25, 6646-6665.	3.2	972
30	Future impact of today's choices. Nature Climate Change, 2012, 2, 397-398.	18.8	2
31	An Overview of CMIP5 and the Experiment Design. Bulletin of the American Meteorological Society, 2012, 93, 485-498.	3.3	11,443
32	On the use of IPCC-class models to assess the impact of climate on Living Marine Resources. Progress in Oceanography, 2011, 88, 1-27.	3.2	272
33	Different magnitudes of projected subsurface ocean warming around Greenland and Antarctica. Nature Geoscience, 2011, 4, 524-528.	12.9	81
34	Time Scales of Terrestrial Carbon Response Related to Land-Use Application: Implications for Initializing an Earth System Model. Earth Interactions, 2011, 15, 1-16.	1.5	9
35	The Dynamical Core, Physical Parameterizations, and Basic Simulation Characteristics of the Atmospheric Component AM3 of the GFDL Global Coupled Model CM3. Journal of Climate, 2011, 24, 3484-3519.	3.2	887
36	The impact of Greenland melt on local sea levels: a partially coupled analysis of dynamic and static equilibrium effects in idealized water-hosing experiments. Climatic Change, 2010, 103, 619-625.	3.6	104

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37	The next generation of scenarios for climate change research and assessment. <i>Nature</i> , 2010, 463, 747-756.	27.8	5,299
38	Evaluating the Uncertainty Induced by the Virtual Salt Flux Assumption in Climate Simulations and Future Projections. <i>Journal of Climate</i> , 2010, 23, 80-96.	3.2	32
39	Spatial Variability of Sea Level Rise in Twenty-First Century Projections. <i>Journal of Climate</i> , 2010, 23, 4585-4607.	3.2	184
40	Decadal Prediction. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1467-1486.	3.3	662
41	Model projections of rapid sea-level rise on the northeast coast of the United States. <i>Nature Geoscience</i> , 2009, 2, 262-266.	12.9	307
42	Stationarity Is Dead: Whither Water Management?. <i>Science</i> , 2008, 319, 573-574.	12.6	3,381
43	Comparison of the Stability of the Atlantic Thermohaline Circulation in Two Coupled Atmosphere-Ocean General Circulation Models. <i>Journal of Climate</i> , 2007, 20, 4293-4315.	3.2	42
44	Modeled Impact of Anthropogenic Land Cover Change on Climate. <i>Journal of Climate</i> , 2007, 20, 3621-3634.	3.2	166
45	Climate Response to External Sources of Freshwater: North Atlantic versus the Southern Ocean. <i>Journal of Climate</i> , 2007, 20, 436-448.	3.2	124
46	THE WCRP CMIP3 Multimodel Dataset: A New Era in Climate Change Research. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 1383-1394.	3.3	2,484
47	Arctic Oscillation response to volcanic eruptions in the IPCC AR4 climate models. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	199
48	Temperature trends at the surface and in the troposphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	56
49	Importance of oceanic heat uptake in transient climate change. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	19
50	GFDL's CM2 Global Coupled Climate Models. Part II: The Baseline Ocean Simulation. <i>Journal of Climate</i> , 2006, 19, 675-697.	3.2	269
51	The Southern Hemisphere Westerlies in a Warming World: Propping Open the Door to the Deep Ocean. <i>Journal of Climate</i> , 2006, 19, 6382-6390.	3.2	255
52	Intercomparison of the Southern Ocean Circulations in IPCC Coupled Model Control Simulations. <i>Journal of Climate</i> , 2006, 19, 4560-4575.	3.2	134
53	GFDL's CM2 Global Coupled Climate Models. Part I: Formulation and Simulation Characteristics. <i>Journal of Climate</i> , 2006, 19, 643-674.	3.2	1,431
54	Assessing the role of North Atlantic freshwater forcing in millennial scale climate variability: a tropical Atlantic perspective. <i>Climate Dynamics</i> , 2005, 24, 325-346.	3.8	133

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55	Is there a simple bi-polar ocean seesaw?. <i>Global and Planetary Change</i> , 2005, 49, 19-27.	3.5	23
56	Time Scales of Climate Response. <i>Journal of Climate</i> , 2004, 17, 209-217.	3.2	133
57	Twentieth-century temperature and precipitation trends in ensemble climate simulations including natural and anthropogenic forcing. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	96
58	A comparison of climate change simulations produced by two GFDL coupled climate models. <i>Global and Planetary Change</i> , 2003, 37, 81-102.	3.5	37
59	The Role of Climate Sensitivity and Ocean Heat Uptake on AOGCM Transient Temperature Response. <i>Journal of Climate</i> , 2002, 15, 124-130.	3.2	184
60	Comparison of palaeoclimate simulations enhances confidence in models. <i>Eos</i> , 2002, 83, 447.	0.1	58
61	Committed warming and its implications for climate change. <i>Geophysical Research Letters</i> , 2001, 28, 1535-1538.	4.0	61
62	A coupled model study of the Last Glacial Maximum: Was part of the North Atlantic relatively warm?. <i>Geophysical Research Letters</i> , 2001, 28, 1571-1574.	4.0	106
63	Projection of Climate Change onto Modes of Atmospheric Variability. <i>Journal of Climate</i> , 2001, 14, 3551-3565.	3.2	56
64	An abrupt climate event in a coupled ocean-atmosphere simulation without external forcing. <i>Nature</i> , 2001, 409, 171-175.	27.8	67
65	Variability of Deep-Ocean Mass Transport: Spectral Shapes and Spatial Scales. <i>Journal of Climate</i> , 2000, 13, 1916-1935.	3.2	17
66	A Comparison of Surface Air Temperature Variability in Three 1000-Yr Coupled Ocean-Atmosphere Model Integrations. <i>Journal of Climate</i> , 2000, 13, 513-537.	3.2	62
67	The Coupled Model Intercomparison Project (CMIP). <i>Bulletin of the American Meteorological Society</i> , 2000, 81, 313-318.	3.3	381
68	Study of abrupt climate change by a coupled ocean-atmosphere model. <i>Quaternary Science Reviews</i> , 2000, 19, 285-299.	3.0	88
69	The role of thermohaline circulation in climate. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1999, 51, 91-109.	1.7	22
70	Global Warming and Northern Hemisphere Sea Ice Extent. <i>Science</i> , 1999, 286, 1934-1937.	12.6	345
71	The influence of transient surface fluxes on North Atlantic overturning in a coupled GCM Climate Change Experiment. <i>Geophysical Research Letters</i> , 1999, 26, 2749-2752.	4.0	83
72	Response of a Coupled Ocean-Atmosphere Model to Increasing Atmospheric Carbon Dioxide: Sensitivity to the Rate of Increase. <i>Journal of Climate</i> , 1999, 12, 2224-2237.	3.2	146

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73	Simulated response of the ocean carbon cycle to anthropogenic climate warming. <i>Nature</i> , 1998, 393, 245-249.	27.8	814
74	Intercomparison makes for a better climate model. <i>Eos</i> , 1997, 78, 445.	0.1	81
75	Multidecadal climate variability in the Greenland Sea and surrounding regions: A coupled model simulation. <i>Geophysical Research Letters</i> , 1997, 24, 257-260.	4.0	152
76	Coupled ocean-atmosphere model response to freshwater input: Comparison to Younger Dryas Event. <i>Paleoceanography</i> , 1997, 12, 321-336.	3.0	300
77	Examining a coupled climate model using CFC-11 as an ocean tracer. <i>Geophysical Research Letters</i> , 1996, 23, 1957-1960.	4.0	30
78	vertical patterns of free and forced climate variations. <i>Geophysical Research Letters</i> , 1996, 23, 1801-1804.	4.0	20
79	Low-Frequency Variability of Surface Air Temperature in a 1000-Year Integration of a Coupled Atmosphere-Ocean-Land Surface Model. <i>Journal of Climate</i> , 1996, 9, 376-393.	3.2	199
80	Simulation of abrupt climate change induced by freshwater input to the North Atlantic Ocean. <i>Nature</i> , 1995, 378, 165-167.	27.8	447
81	Multiple-Century Response of a Coupled Ocean-Atmosphere Model to an Increase of Atmospheric Carbon Dioxide. <i>Journal of Climate</i> , 1994, 7, 5-23.	3.2	458
82	Century-scale effects of increased atmospheric CO <sub>2</sub> on the ocean-atmosphere system. <i>Nature</i> , 1993, 364, 215-218.	27.8	466
83	Sensitivity of a global climate model to an increase of CO <sub>2</sub> concentration in the atmosphere. <i>Journal of Geophysical Research</i> , 1980, 85, 5529-5554.	3.3	874
84	A CO <sub>2</sub> -climate sensitivity study with a mathematical model of the global climate. <i>Nature</i> , 1979, 282, 491-493.	27.8	127