

# James D Scott

## List of Publications by Year in descending order

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44  
papers

6,229  
citations

186209

28  
h-index

254106

43  
g-index

44  
all docs

44  
docs citations

44  
times ranked

6842  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Atmospheric Bridge: The Influence of ENSO Teleconnections on Air–Sea Interaction over the Global Oceans. <i>Journal of Climate</i> , 2002, 15, 2205-2231.	1.2	1,505
2	The Pacific Decadal Oscillation, Revisited. <i>Journal of Climate</i> , 2016, 29, 4399-4427.	1.2	877
3	Slow adaptation in the face of rapid warming leads to collapse of the Gulf of Maine cod fishery. <i>Science</i> , 2015, 350, 809-812.	6.0	631
4	A Vulnerability Assessment of Fish and Invertebrates to Climate Change on the Northeast U.S. Continental Shelf. <i>PLoS ONE</i> , 2016, 11, e0146756.	1.1	366
5	The Atmospheric Response to Realistic Arctic Sea Ice Anomalies in an AGCM during Winter. <i>Journal of Climate</i> , 2004, 17, 890-905.	1.2	324
6	ENSO and Pacific Decadal Variability in the Community Climate System Model Version 4. <i>Journal of Climate</i> , 2012, 25, 2622-2651.	1.2	293
7	Enhanced upper ocean stratification with climate change in the CMIP3 models. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	234
8	The Impact of Extratropical Atmospheric Variability on ENSO: Testing the Seasonal Footprinting Mechanism Using Coupled Model Experiments. <i>Journal of Climate</i> , 2010, 23, 2885-2901.	1.2	214
9	Forecasting the dynamics of a coastal fishery species using a coupled climate–population model. <i>Ecological Applications</i> , 2010, 20, 452-464.	1.8	159
10	Projected sea surface temperatures over the 21st century: Changes in the mean, variability and extremes for large marine ecosystem regions of Northern Oceans. <i>Elementa</i> , 2018, 6, .	1.1	148
11	Climate vulnerability and resilience in the most valuable North American fishery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1831-1836.	3.3	133
12	Forecasting Pacific SSTs: Linear Inverse Model Predictions of the PDO. <i>Journal of Climate</i> , 2008, 21, 385-402.	1.2	126
13	Processes that influence sea surface temperature and ocean mixed layer depth variability in a coupled model. <i>Journal of Geophysical Research</i> , 2000, 105, 16823-16842.	3.3	99
14	Thermal displacement by marine heatwaves. <i>Nature</i> , 2020, 584, 82-86.	13.7	87
15	An empirical model of tropical ocean dynamics. <i>Climate Dynamics</i> , 2011, 37, 1823-1841.	1.7	82
16	Changes in hail and flood risk in high-resolution simulations over Colorado's mountains. <i>Nature Climate Change</i> , 2012, 2, 125-131.	8.1	81
17	Forcing of Multiyear Extreme Ocean Temperatures that Impacted California Current Living Marine Resources in 2016. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, S27-S33.	1.7	71
18	Surface Flux Variability over the North Pacific and North Atlantic Oceans. <i>Journal of Climate</i> , 1997, 10, 2963-2978.	1.2	66

#	ARTICLE	IF	CITATIONS
19	Winter-to-winter recurrence of sea surface temperature, salinity and mixed layer depth anomalies. <i>Progress in Oceanography</i> , 2001, 49, 41-61.	1.5	51
20	Extratropical Atmosphereâ€œOcean Variability in CCSM3. <i>Journal of Climate</i> , 2006, 19, 2496-2525.	1.2	50
21	The Role of Ekman Ocean Heat Transport in the Northern Hemisphere Response to ENSO. <i>Journal of Climate</i> , 2008, 21, 5688-5707.	1.2	50
22	High-Resolution Downscaled Simulations of Warm-Season Extreme Precipitation Events in the Colorado Front Range under Past and Future Climates*. <i>Journal of Climate</i> , 2013, 26, 8671-8689.	1.2	49
23	Projected ocean warming creates a conservation challenge for river herring populations. <i>ICES Journal of Marine Science</i> , 2015, 72, 374-387.	1.2	49
24	The Late Fall Extratropical Response to ENSO: Sensitivity to Coupling and Convection in the Tropical West Pacific. <i>Journal of Climate</i> , 2008, 21, 6101-6118.	1.2	47
25	The Response of the Northwest Atlantic Ocean to Climate Change. <i>Journal of Climate</i> , 2020, 33, 405-428.	1.2	44
26	Moisture Pathways into the U.S. Intermountain West Associated with Heavy Winter Precipitation Events*. <i>Journal of Hydrometeorology</i> , 2015, 16, 1184-1206.	0.7	43
27	Broadening the Atmospheric Bridge Paradigm: ENSO Teleconnections to the Tropical West Pacific-Indian Oceans Over the Seasonal Cycle and to the North Pacific in Summer. <i>Geophysical Monograph Series</i> , 0, , 85-103.	0.1	41
28	Doppler Radar Observations of an Asymmetric Mesoscale Convective System and Associated Vortex Couplet. <i>Monthly Weather Review</i> , 1995, 123, 3437-3457.	0.5	32
29	Challenges to natural and human communities from surprising ocean temperatures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18378-18383.	3.3	32
30	Climate impacts on the Gulf of Maine ecosystem. <i>Elementa</i> , 2021, 9, .	1.1	32
31	ENSOâ€™s Impact on the Gap Wind Regions of the Eastern Tropical Pacific Ocean*. <i>Journal of Climate</i> , 2012, 25, 3549-3565.	1.2	27
32	The Climate Change Web Portal: A System to Access and Display Climate and Earth System Model Output from the CMIP5 Archive. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 523-530.	1.7	25
33	Response to Comments on â€œSlow adaptation in the face of rapid warming leads to collapse of the Gulf of Maine cod fisheryâ€œ. <i>Science</i> , 2016, 352, 423-423.	6.0	25
34	Response of O <sub>2</sub> and pH to ENSO in the California Current System in a high-resolution global climate model. <i>Ocean Science</i> , 2018, 14, 69-86.	1.3	23
35	Net Shortwave Fluxes over the Ocean. <i>Journal of Physical Oceanography</i> , 1999, 29, 3167-3174.	0.7	18
36	A Review of River Herring Science in Support of Species Conservation and Ecosystem Restoration. <i>Marine and Coastal Fisheries</i> , 2021, 13, 627-664.	0.6	17

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37	Greenhouse Gas-Induced Changes in Summer Precipitation over Colorado in NARCCAP Regional Climate Models*. Journal of Climate, 2013, 26, 8690-8697.	1.2	16
38	Projections of physical conditions in the Gulf of Maine in 2050. Elementa, 2021, 9, .	1.1	15
39	Comparing and synthesizing quantitative distribution models and qualitative vulnerability assessments to project marine species distributions under climate change. PLoS ONE, 2020, 15, e0231595.	1.1	12
40	Cool season precipitation projections for California and the Western United States in NA-CORDEX models. Climate Dynamics, 2021, 56, 3081-3102.	1.7	12
41	Subseasonal-to-Seasonal Forecast Skill in the California Current System and Its Connection to Coastal Kelvin Waves. Journal of Geophysical Research: Oceans, 2022, 127, .	1.0	9
42	A linear diagnosis of the coupled extratropical ocean-atmosphere system in the GFDL GCM. Atmospheric Science Letters, 2000, 1, 14-25.	0.8	8
43	Interactive Visualization of Climate Data on the World Wide Web. Bulletin of the American Meteorological Society, 1997, 78, 1985-1989.	1.7	3
44	Changes in extreme integrated water vapor transport on the U.S. west coast in NA-CORDEX, and relationship to mountain and inland precipitation. Climate Dynamics, 2022, 59, 973-995.	1.7	3