

Kirsten L Findell

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

5,913
citations

172457

29
h-index

276875

41
g-index

44
all docs

44
docs citations

44
times ranked

7000
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Large influence of soil moisture on long-term terrestrial carbon uptake. <i>Nature</i> , 2019, 565, 476-479.	27.8	409
3	Simulation of Sahel drought in the 20th and 21st centuries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 17891-17896.	7.1	368
4	Atmospheric Controls on Soil Moisture–Boundary Layer Interactions. Part I: Framework Development. <i>Journal of Hydrometeorology</i> , 2003, 4, 552-569.	1.9	342
5	Impact of soil moisture–climate feedbacks on CMIP5 projections: First results from the GLACE–CMIP5 experiment. <i>Geophysical Research Letters</i> , 2013, 40, 5212-5217.	4.0	314
6	Land–atmosphere feedbacks amplify aridity increase over land under global warming. <i>Nature Climate Change</i> , 2016, 6, 869-874.	18.8	300
7	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. <i>Journal of Climate</i> , 2009, 22, 5251-5272.	3.2	282
8	An analysis of the soil moisture-rainfall feedback, based on direct observations from Illinois. <i>Water Resources Research</i> , 1997, 33, 725-735.	4.2	234
9	Land–Atmosphere Interactions: The LoCo Perspective. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1253-1272.	3.3	226
10	Atmospheric Controls on Soil Moisture–Boundary Layer Interactions. Part II: Feedbacks within the Continental United States. <i>Journal of Hydrometeorology</i> , 2003, 4, 570-583.	1.9	219
11	Probability of afternoon precipitation in eastern United States and Mexico enhanced by high evaporation. <i>Nature Geoscience</i> , 2011, 4, 434-439.	12.9	213
12	The impact of anthropogenic land use and land cover change on regional climate extremes. <i>Nature Communications</i> , 2017, 8, 989.	12.8	207
13	Modeled Impact of Anthropogenic Land Cover Change on Climate. <i>Journal of Climate</i> , 2007, 20, 3621-3634.	3.2	166
14	An Enhanced Model of Land Water and Energy for Global Hydrologic and Earth-System Studies. <i>Journal of Hydrometeorology</i> , 2014, 15, 1739-1761.	1.9	155
15	Interannual Coupling between Summertime Surface Temperature and Precipitation over Land: Processes and Implications for Climate Change*. <i>Journal of Climate</i> , 2015, 28, 1308-1328.	3.2	135
16	Impact of Soil Moisture–Atmosphere Interactions on Surface Temperature Distribution. <i>Journal of Climate</i> , 2014, 27, 7976-7993.	3.2	129
17	Weak Simulated Extratropical Responses to Complete Tropical Deforestation. <i>Journal of Climate</i> , 2006, 19, 2835-2850.	3.2	70
18	Regional and Global Impacts of Land Cover Change and Sea Surface Temperature Anomalies. <i>Journal of Climate</i> , 2009, 22, 3248-3269.	3.2	64

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19	Reduced Moisture Transport Linked to Drought Propagation Across North America. <i>Geophysical Research Letters</i> , 2019, 46, 5243-5253.	4.0	64
20	Land-surface controls on afternoon precipitation diagnosed from observational data: uncertainties and confounding factors. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8343-8367.	4.9	63
21	Atmospheric controls on soil moisture-boundary layer interactions: Three-dimensional wind effects. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	50
22	Impact of Common Sea Surface Temperature Anomalies on Global Drought and Pluvial Frequency. <i>Journal of Climate</i> , 2010, 23, 485-503.	3.2	41
23	Scaling in Surface Hydrology: Progress and Challenges. <i>Journal of Contemporary Water Research and Education</i> , 2012, 147, 28-40.	0.7	41
24	Precipitation Sensitivity to Surface Heat Fluxes over North America in Reanalysis and Model Data. <i>Journal of Hydrometeorology</i> , 2013, 14, 722-743.	1.9	40
25	Amplification of wet and dry month occurrence over tropical land regions in response to global warming. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	38
26	Soil Moisture Influence on Seasonality and Large-Scale Circulation in Simulations of the West African Monsoon. <i>Journal of Climate</i> , 2017, 30, 2295-2317.	3.2	38
27	Rising Temperatures Increase Importance of Oceanic Evaporation as a Source for Continental Precipitation. <i>Journal of Climate</i> , 2019, 32, 7713-7726.	3.2	37
28	Data Length Requirements for Observational Estimates of Land-Atmosphere Coupling Strength. <i>Journal of Hydrometeorology</i> , 2015, 16, 1615-1635.	1.9	32
29	A Probabilistic Bulk Model of Coupled Mixed Layer and Convection. Part II: Shallow Convection Case. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1557-1576.	1.7	30
30	Analysis of the pathways relating soil moisture and subsequent rainfall in Illinois. <i>Journal of Geophysical Research</i> , 1999, 104, 31565-31574.	3.3	27
31	An Idealized Prototype for Large-Scale Land-Atmosphere Coupling. <i>Journal of Climate</i> , 2013, 26, 2379-2389.	3.2	26
32	The Budyko and complementary relationships in an idealized model of large-scale land-atmosphere coupling. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2119-2131.	4.9	25
33	A Probabilistic Bulk Model of Coupled Mixed Layer and Convection. Part I: Clear-Sky Case. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1543-1556.	1.7	22
34	Neural Network-Based Sensitivity Analysis of Summertime Convection over the Continental United States. <i>Journal of Climate</i> , 2014, 27, 1958-1979.	3.2	17
35	Radiative-Convective Equilibrium over a Land Surface. <i>Journal of Climate</i> , 2014, 27, 8611-8629.	3.2	14
36	A modeling study of dynamic and thermodynamic mechanisms for summer drying in response to global warming. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	13

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37	Uncertain soil moisture feedbacks in model projections of Sahel precipitation. <i>Geophysical Research Letters</i> , 2017, 44, 6124-6133.	4.0	13
38	Three Regimes of Temperature Distribution Change Over Dry Land, Moist Land, and Oceanic Surfaces. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090997.	4.0	8
39	How Are Spring Snow Conditions in Central Canada Related to Early Warm-Season Precipitation?. <i>Journal of Hydrometeorology</i> , 2013, 14, 787-807.	1.9	6
40	Dynamical Seasonal Predictions of Tropical Cyclone Activity: Roles of Sea Surface Temperature Errors and Atmosphere–Land Initialization. <i>Journal of Climate</i> , 2021, 34, 1743-1766.	3.2	3
41	Anthropogenic Influences on Extreme Annual Streamflow into Chesapeake Bay from the Susquehanna River. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, S25-S32.	3.3	1