

Kirsten L Findell

List of Publications by Year in descending order

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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	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
2	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
3	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
4	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
5	Large influence of soil moisture on long-term terrestrial carbon uptake. <i>Nature</i> , 2019, 565, 476-479.	27.8	409
6	Reduced Moisture Transport Linked to Drought Propagation Across North America. <i>Geophysical Research Letters</i> , 2019, 46, 5243-5253.	4.0	64
7	Land–Atmosphere Interactions: The LoCo Perspective. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1253-1272.	3.3	226
8	Uncertain soil moisture feedbacks in model projections of Sahel precipitation. <i>Geophysical Research Letters</i> , 2017, 44, 6124-6133.	4.0	13
9	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
10	The impact of anthropogenic land use and land cover change on regional climate extremes. <i>Nature Communications</i> , 2017, 8, 989.	12.8	207
11	Land–atmosphere feedbacks amplify aridity increase over land under global warming. <i>Nature Climate Change</i> , 2016, 6, 869-874.	18.8	300
12	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
13	Data Length Requirements for Observational Estimates of Land–Atmosphere Coupling Strength. <i>Journal of Hydrometeorology</i> , 2015, 16, 1615-1635.	1.9	32
14	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
15	Impact of Soil Moisture–Atmosphere Interactions on Surface Temperature Distribution. <i>Journal of Climate</i> , 2014, 27, 7976-7993.	3.2	129
16	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
17	Radiative–Convective Equilibrium over a Land Surface. <i>Journal of Climate</i> , 2014, 27, 8611-8629.	3.2	14
18	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

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19	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
20	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
21	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
22	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
23	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
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	An Idealized Prototype for Large-Scale Land-Atmosphere Coupling. <i>Journal of Climate</i> , 2013, 26, 2379-2389.	3.2	26
26	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
27	Scaling in Surface Hydrology: Progress and Challenges. <i>Journal of Contemporary Water Research and Education</i> , 2012, 147, 28-40.	0.7	41
28	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
29	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
30	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
31	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
32	Modeled Impact of Anthropogenic Land Cover Change on Climate. <i>Journal of Climate</i> , 2007, 20, 3621-3634.	3.2	166
33	Weak Simulated Extratropical Responses to Complete Tropical Deforestation. <i>Journal of Climate</i> , 2006, 19, 2835-2850.	3.2	70
34	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
35	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
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	Atmospheric controls on soil moisture-boundary layer interactions: Three-dimensional wind effects. Journal of Geophysical Research, 2003, 108, .	3.3	50
38	Atmospheric Controls on Soil Moistureâ€“Boundary Layer Interactions. Part II: Feedbacks within the Continental United States. Journal of Hydrometeorology, 2003, 4, 570-583.	1.9	219
39	Atmospheric Controls on Soil Moistureâ€“Boundary Layer Interactions. Part I: Framework Development. Journal of Hydrometeorology, 2003, 4, 552-569.	1.9	342
40	Analysis of the pathways relating soil moisture and subsequent rainfall in Illinois. Journal of Geophysical Research, 1999, 104, 31565-31574.	3.3	27
41	An analysis of the soil moisture-rainfall feedback, based on direct observations from Illinois. Water Resources Research, 1997, 33, 725-735.	4.2	234