Jennifer Adam

List of Publications by Year
in descending order

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43 papers	7,601 citations	257450 24 h-index	265206 42 g-index
48 all docs	48 docs citations	48 times ranked	9050 citing authors

#	Article	IF	Citations
1	Potential impacts of a warming climate on water availability in snow-dominated regions. Nature, 2005, 438, 303-309.	27.8	3,521
2	A Long-Term Hydrologically Based Dataset of Land Surface Fluxes and States for the Conterminous United States*. Journal of Climate, 2002, 15, 3237-3251.	3.2	1,186
3	Implications of global climate change for snowmelt hydrology in the twentyâ€first century. Hydrological Processes, 2009, 23, 962-972.	2.6	382
4	Improving the representation of hydrologic processes in Earth System Models. Water Resources Research, 2015, 51, 5929-5956.	4.2	366
5	Adjustment of global gridded precipitation for systematic bias. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	364
6	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. Journal of Climate, 2010, 23, 5715-5737.	3.2	303
7	How much runoff originates as snow in the western United States, and how will that change in the future?. Geophysical Research Letters, 2017, 44, 6163-6172.	4.0	258
8	Correction of Global Precipitation Products for Orographic Effects. Journal of Climate, 2006, 19, 15-38.	3.2	197
9	Simulation of reservoir influences on annual and seasonal streamflow changes for the Lena, Yenisei, and Ob' rivers. Journal of Geophysical Research, 2007, 112, .	3.3	110
10	Streamflow simulations of the terrestrial Arctic domain. Journal of Geophysical Research, 2005, 110, .	3.3	93
11	Application of New Precipitation and Reconstructed Streamflow Products to Streamflow Trend Attribution in Northern Eurasia. Journal of Climate, 2008, 21, 1807-1828.	3.2	88
12	Evaluation of surface water fluxes of the pan-Arctic land region with a land surface model and ERA-40 reanalysis. Journal of Geophysical Research, 2006, 111, .	3.3	63
13	CropSyst model evolution: From field to regional to global scales and from research to decision support systems. Environmental Modelling and Software, 2014, 62, 361-369.	4.5	61
14	Change in spring snowmelt timing in Eurasian Arctic rivers. Journal of Geophysical Research, 2011, 116, .	3.3	56
15	Climate change reduces water availability for agriculture by decreasing non-evaporative irrigation losses. Journal of Hydrology, 2018, 561, 444-460.	5.4	52
16	How climate change and fire exclusion drive wildfire regimes at actionable scales. Environmental Research Letters, 2021, 16, 024051.	5.2	38
17	The effects of climate change and extreme wildfire events on runoff erosion over a mountain watershed. Journal of Hydrology, 2016, 536, 74-91.	5.4	35
18	Conservation tillage in dryland agriculture impacts watershed hydrology. Journal of Hydrology, 2013, 483, 26-38.	5.4	34

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19	Factors controlling changes in evapotranspiration, runoff, and soil moisture over the conterminous U.S.: Accounting for vegetation dynamics. Journal of Hydrology, 2018, 565, 123-137.	5.4	32
20	Implications of water management representations for watershed hydrologic modeling in the Yakima River basin. Hydrology and Earth System Sciences, 2019, 23, 35-49.	4.9	32
21	Incorporating Social System Dynamics in the Columbia River Basin: Food-Energy-Water Resilience and Sustainability Modeling in the Yakima River Basin. Frontiers in Environmental Science, 2018, 6, .	3.3	30
22	BioEarth: Envisioning and developing a new regional earth system model to inform natural and agricultural resource management. Climatic Change, 2015, 129, 555-571.	3.6	29
23	Impacts of Nearâ€Term Climate Change on Irrigation Demands and Crop Yields in the Columbia River Basin. Water Resources Research, 2018, 54, 2152-2182.	4.2	29
24	When Should Irrigators Invest in More Waterâ€Efficient Technologies as an Adaptation to Climate Change?. Water Resources Research, 2018, 54, 8999-9032.	4.2	28
25	VICâ€“CropSyst-v2: A regional-scale modeling platform to simulate the nexus of climate, hydrology, cropping systems, and human decisions. Geoscientific Model Development, 2017, 10, 3059-3084.	3.6	26
26	What is the importance of climate model bias when projecting the impacts of climate change on land surface processes?. Biogeosciences, 2014, 11, 2601-2622.	3.3	22
27	Estimating Biomass and Yield Using METRIC Evapotranspiration and Simple Growth Algorithms. Agronomy Journal, 2019, 111, 536-544.	1.8	20
28	Spatialâ€temporal variations of evapotranspiration and runoff/precipitation ratios responding to the changing climate in the Pacific Northwest during 1921â€2006. Journal of Geophysical Research D: Atmospheres, 2013, 118, 380-394.	3.3	19
29	The spatio-temporal characteristics of drought across Tibet, China: derived from meteorological and agricultural drought indexes. Theoretical and Applied Climatology, 2019, 137, 2409-2424.	2.8	18
30	Water rights shape crop yield and revenue volatility tradeoffs for adaptation in snow dependent systems. Nature Communications, 2020, 11, 3473.	12.8	12
31	Accounting for disturbance history in models: using remote sensing to constrain carbon and nitrogen pool spinâ€up. Ecological Applications, 2018, 28, 1197-1214.	3.8	11
32	Contribution of Snow-Melt Water to the Streamflow over the Three-River Headwater Region, China. Remote Sensing, 2021, 13, 1585.	4.0	11
33	Benefitâ€Cost Analysis of Integrated Water Resource Management: Accounting for Interdependence in the Yakima Basin Integrated Plan. Journal of the American Water Resources Association, 2017, 53, 456-477.	2.4	10
34	Improved estimation of nitrogen uptake in grasslands using the nitrogen dilution curve. Agronomy for Sustainable Development, 2015, 35, 1561-1570.	5.3	9
35	Diagnostic Framework for Evaluating How Parametric Uncertainty Influences Agroâ€Hydrologic Model Projections of Crop Yields Under Climate Change. Water Resources Research, 2022, 58, .	4.2	9
36	An investigation of coupled natural human systems using a two-way coupled agent-based modeling framework. Environmental Modelling and Software, 2022, 155, 105451.	4.5	8

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37	Effectiveness of an Interactive Learning Environment Utilizing a Physical Model. Journal of Professional Issues in Engineering Education and Practice, 2014, 140, 04014001.	0.9	7
38	Assessing the Impact of Parameter Uncertainty on Modeling Grass Biomass Using a Hybrid Carbon Allocation Strategy. Journal of Advances in Modeling Earth Systems, 2017, 9, 2968-2992.	3.8	7
39	Projecting Future Fire Regimes in a Semiarid Watershed of the Inland Northwestern United States: Interactions Among Climate Change, Vegetation Productivity, and Fuel Dynamics. Earth's Future, 2022, 10, .	6.3	7
40	Can Managed Aquifer Recharge Overcome Multiple Droughts?. Water (Switzerland), 2021, 13, 2278.	2.7	6
41	Impacts of irrigation efficiency on water-dependent sectors are heavily controlled by region-specific institutions and infrastructures. Journal of Environmental Management, 2021, 300, 113731.	7.8	5
42	Relationships between the El NiÃ±oâ€“Southern Oscillation, precipitation, and nitrogen wet deposition rates in the contiguous United States. Global Biogeochemical Cycles, 2016, 30, 1712-1724.	4.9	1
43	Improved estimation of nitrogen uptake in grasslands using the nitrogen dilution curve â€“ reply to the letter to the editor by Lemaire and Gastal, 2016. Agronomy for Sustainable Development, 2016, 36, 1.	5.3	0