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	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
2	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
3	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
4	How climate change and fire exclusion drive wildfire regimes at actionable scales. Environmental Research Letters, 2021, 16, 024051.	5.2	38
5	Contribution of Snow-Melt Water to the Streamflow over the Three-River Headwater Region, China. Remote Sensing, 2021, 13, 1585.	4.0	11
6	Can Managed Aquifer Recharge Overcome Multiple Droughts?. Water (Switzerland), 2021, 13, 2278.	2.7	6
7	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
8	Water rights shape crop yield and revenue volatility tradeoffs for adaptation in snow dependent systems. Nature Communications, 2020, 11, 3473.	12.8	12
9	Estimating Biomass and Yield Using METRIC Evapotranspiration and Simple Growth Algorithms. Agronomy Journal, 2019, 111, 536-544.	1.8	20
10	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
11	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
12	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
13	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
14	Climate change reduces water availability for agriculture by decreasing non-evaporative irrigation losses. Journal of Hydrology, 2018, 561, 444-460.	5.4	52
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	Improving the representation of hydrologic processes in Earth System Models. Water Resources Research, 2015, 51, 5929-5956.	4.2	366
26	Improved estimation of nitrogen uptake in grasslands using the nitrogen dilution curve. Agronomy for Sustainable Development, 2015, 35, 1561-1570.	5.3	9
27	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
28	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
29	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
30	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
31	Conservation tillage in dryland agriculture impacts watershed hydrology. Journal of Hydrology, 2013, 483, 26-38.	5.4	34
32	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
33	Change in spring snowmelt timing in Eurasian Arctic rivers. Journal of Geophysical Research, 2011, 116, .	3.3	56
34	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. Journal of Climate, 2010, 23, 5715-5737.	3.2	303
35	Implications of global climate change for snowmelt hydrology in the twentyâ€first century. Hydrological Processes, 2009, 23, 962-972.	2.6	382
36	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

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37	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
38	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
39	Correction of Global Precipitation Products for Orographic Effects. Journal of Climate, 2006, 19, 15-38.	3.2	197
40	Potential impacts of a warming climate on water availability in snow-dominated regions. Nature, 2005, 438, 303-309.	27.8	3,521
41	Streamflow simulations of the terrestrial Arctic domain. Journal of Geophysical Research, 2005, 110, .	3.3	93
42	Adjustment of global gridded precipitation for systematic bias. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	364
43	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