

# Julia Allen Jones

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

2,987  
citations

279487

23  
h-index

264894

42  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Light Availability and Dispersal in Exotic Plant Invasion along Roads and Streams in the H. J. Andrews Experimental Forest, Oregon. <i>Conservation Biology</i> , 2000, 14, 64-75.	2.4	409
2	Peak Flow Responses to Clear-Cutting and Roads in Small and Large Basins, Western Cascades, Oregon. <i>Water Resources Research</i> , 1996, 32, 959-974.	1.7	384
3	Spatial models reveal the microclimatic buffering capacity of old-growth forests. <i>Science Advances</i> , 2016, 2, e1501392.	4.7	225
4	CHANNEL NETWORK EXTENSION BY LOGGING ROADS IN TWO BASINS, WESTERN CASCADES, OREGON. <i>Journal of the American Water Resources Association</i> , 1996, 32, 1195-1207.	1.0	222
5	Forest roads and geomorphic process interactions, Cascade Range, Oregon. <i>Earth Surface Processes and Landforms</i> , 2001, 26, 191-204.	1.2	204
6	Ecosystem Processes and Human Influences Regulate Streamflow Response to Climate Change at Long-Term Ecological Research Sites. <i>BioScience</i> , 2012, 62, 390-404.	2.2	149
7	Hydrologic processes and peak discharge response to forest removal, regrowth, and roads in 10 small experimental basins, Western Cascades, Oregon. <i>Water Resources Research</i> , 2000, 36, 2621-2642.	1.7	148
8	Seasonal and successional streamflow response to forest cutting and regrowth in the northwest and eastern United States. <i>Water Resources Research</i> , 2004, 40, .	1.7	148
9	Changing forest water yields in response to climate warming: results from long-term experimental watershed sites across North America. <i>Global Change Biology</i> , 2014, 20, 3191-3208.	4.2	147
10	Structural and compositional controls on transpiration in 40- and 450-year-old riparian forests in western Oregon, USA. <i>Tree Physiology</i> , 2004, 24, 481-491.	1.4	113
11	Runoff production on forest roads in a steep, mountain catchment. <i>Water Resources Research</i> , 2003, 39, .	1.7	112
12	Trends in cation, nitrogen, sulfate and hydrogen ion concentrations in precipitation in the United States and Europe from 1978 to 2010: a new look at an old problem. <i>Biogeochemistry</i> , 2013, 116, 303-334.	1.7	65
13	Summer streamflow deficits from regenerating Douglas-fir forest in the Pacific Northwest, USA. <i>Ecohydrology</i> , 2017, 10, e1790.	1.1	62
14	Water sustainability and watershed storage. <i>Nature Sustainability</i> , 2018, 1, 378-379.	11.5	56
15	Hydrologic responses to climate change: considering geographic context and alternative hypotheses. <i>Hydrological Processes</i> , 2011, 25, 1996-2000.	1.1	45
16	Climate, Landforms, and Geology Affect Baseflow Sources in a Mountain Catchment. <i>Water Resources Research</i> , 2019, 55, 5238-5254.	1.7	42
17	Extreme flood sensitivity to snow and forest harvest, western Cascades, Oregon, United States. <i>Water Resources Research</i> , 2010, 46, .	1.7	38
18	A comparison of annual transpiration and productivity in monoculture and mixed-species Douglas-fir and red alder stands. <i>Forest Ecology and Management</i> , 2011, 262, 2263-2270.	1.4	38

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19	Forests and water in South America. <i>Hydrological Processes</i> , 2017, 31, 972-980.	1.1	37
20	Hydrologic effects of a changing forested landscape—challenges for the hydrological sciences. <i>Hydrological Processes</i> , 2009, 23, 2699-2704.	1.1	33
21	Long-term hydrological response to forest harvest during seasonal low flow: Potential implications for current forest practices. <i>Science of the Total Environment</i> , 2020, 730, 138926.	3.9	32
22	Long-term effects of forest harvesting on summer low flow deficits in the Coast Range of Oregon. <i>Journal of Hydrology</i> , 2020, 585, 124749.	2.3	32
23	Precipitation-snowmelt timing and snowmelt augmentation of large peak flow events, western Cascades, Oregon. <i>Water Resources Research</i> , 2015, 51, 7649-7661.	1.7	31
24	Climate and Streamflow Trends in the Columbia River Basin: Evidence for Ecological and Engineering Resilience to Climate Change. <i>Atmosphere - Ocean</i> , 2013, 51, 436-455.	0.6	24
25	Forest harvest legacies control dissolved organic carbon export in small watersheds, western Oregon. <i>Biogeochemistry</i> , 2018, 140, 299-315.	1.7	24
26	Spatio-temporal patterns of tree establishment are indicative of biotic interactions during early invasion of a montane meadow. <i>Plant Ecology</i> , 2012, 213, 555-568.	0.7	22
27	Climate variability, snow, and physiographic controls on storm hydrographs in small forested basins, western Cascades, Oregon. <i>Hydrological Processes</i> , 2008, 22, 4949-4964.	1.1	19
28	Forest restoration and hydrology. <i>Forest Ecology and Management</i> , 2022, 520, 120342.	1.4	18
29	Extinction debt in naturally contracting mountain meadows in the Pacific Northwest, USA: varying responses of plants and feeding guilds of nocturnal moths. <i>Biodiversity and Conservation</i> , 2014, 23, 2529-2544.	1.2	13
30	Landscape patterns and diversity of meadow plants and flower-visitors in a mountain landscape. <i>Landscape Ecology</i> , 2019, 34, 997-1014.	1.9	13
31	Temperature Gradients and Inversions in a Forested Cascade Range Basin: Synoptic to Local Scale Controls. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032686.	1.2	13
32	River management response to multi-decade changes in timing of reservoir inflows, Columbia River Basin, USA. <i>Hydrological Processes</i> , 2020, 34, 4814-4830.	1.1	11
33	Fifty years of runoff response to conversion of old-growth forest to planted forest in the H. J. Andrews Forest, Oregon, USA. <i>Hydrological Processes</i> , 2021, 35, e14168.	1.1	11
34	Long-term hydrology and aquatic biogeochemistry data from H. J. Andrews Experimental Forest, Cascade Mountains, Oregon. <i>Hydrological Processes</i> , 2021, 35, e14187.	1.1	10
35	Forest operations, tree species composition and decline in rainfall explain runoff changes in the Nacimiento experimental catchments, south central Chile. <i>Hydrological Processes</i> , 2021, 35, e14257.	1.1	9
36	Streamflow response to native forest restoration in former Eucalyptus plantations in south central Chile. <i>Hydrological Processes</i> , 2021, 35, e14270.	1.1	9

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37	Effects of an engineered log jam on spatial variability of the flow field across submergence depths. <i>River Research and Applications</i> , 2020, 36, 383-397.	0.7	5
38	Synergies Among Environmental Science Research and Monitoring Networks: A Research Agenda. <i>Earth's Future</i> , 2021, 9, e2020EF001631.	2.4	5
39	Increasing Daytime Stability Enhances Downslope Moisture Transport in the Subcanopy of an Even-aged Conifer Forest in Western Oregon, USA. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	5
40	Long-Term Dynamics of the LTER Program: Evolving Definitions and Composition. <i>Archimedes</i> , 2021, , 55-79.	0.3	2
41	Influence of anthropogenic greenhouse gases on the propensity for nocturnal cold-air drainage. <i>Theoretical and Applied Climatology</i> , 2021, 146, 231-241.	1.3	1
42	Canopy wetting patterns and the determinants of dry season dewfall in an old growth Douglas-fir canopy. <i>Agricultural and Forest Meteorology</i> , 2022, 323, 109069.	1.9	1