

# Richard B Lammers

## List of Publications by Year in Descending Order

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**Version:** 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

6,724  
citations

24  
h-index

46  
g-index

46  
ext. papers

7,544  
ext. citations

8.3  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
42	Coordination and control limits in standard representations of multi-reservoir operations in hydrological modeling. <i>Hydrology and Earth System Sciences</i> , <b>2021</b> , 25, 1365-1388	5.5	4
41	Water balance response of permafrost-affected watersheds to changes in air temperatures. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 084054	6.2	0
40	Differential Impact of Climate Change on the Hydropower Economics of Two River Basins in High Mountain Asia. <i>Frontiers in Environmental Science</i> , <b>2020</b> , 8,	4.8	10
39	Interplay of changing irrigation technologies and water reuse: example from the upper Snake River basin, Idaho, USA. <i>Hydrology and Earth System Sciences</i> , <b>2020</b> , 24, 5231-5249	5.5	2
38	Understanding institutions for water allocation and exchange: Insights from dynamic agent-based modeling. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2019</b> , 6, e1384	5.7	2
37	Using the Arctic water resources vulnerability index in assessing and responding to environmental change in Alaskan communities. <i>Climate Risk Management</i> , <b>2019</b> , 23, 19-31	4.6	6
36	Enhancing a community-based water resource tool for assessing environmental change: the arctic water resources vulnerability index revisited. <i>Environment Systems and Decisions</i> , <b>2019</b> , 39, 183-197	4.1	4
35	The use and re-use of unsustainable groundwater for irrigation: a global budget. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 034017	6.2	22
34	Pan-Arctic river discharge: Prioritizing monitoring of future climate change hot spots. <i>Earth's Future</i> , <b>2017</b> , 5, 72-92	7.9	44
33	Achieving sustainable irrigation water withdrawals: global impacts on food security and land use. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 104009	6.2	26
32	Invisible water, visible impact: groundwater use and Indian agriculture under climate change. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 084005	6.2	91
31	Climigration? Population and climate change in Arctic Alaska. <i>Population and Environment</i> , <b>2016</b> , 38, 115-133	4.33	63
30	Simulating regional hydrology and water management: An integrated agent-based approach <b>2015</b> ,		2
29	Quantifying the link between crop production and mined groundwater irrigation in China. <i>Science of the Total Environment</i> , <b>2015</b> , 511, 161-75	10.2	36
28	Simulating Water, Individuals, and Management using a coupled and distributed approach <b>2014</b> ,		3
27	Water Relationships in the U.S. Southwest: Characterizing Water Management Networks Using Natural Language Processing. <i>Water (Switzerland)</i> , <b>2014</b> , 6, 1601-1641	3	8
26	Hydrological Changes: Historical Analysis, Contemporary Status, and Future Projections. <i>Springer Environmental Science and Engineering</i> , <b>2013</b> , 111-154		29

25	Horizontal cooling towers: riverine ecosystem services and the fate of thermoelectric heat in the contemporary Northeast US. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 025010	6.2	41
24	Influence of permafrost on water storage in West Siberian peatlands revealed from a new database of soil properties. <i>Permafrost and Periglacial Processes</i> , <b>2012</b> , 23, 69-79	4.2	23
23	Population, climate, and electricity use in the Arctic integrated analysis of Alaska community data. <i>Population and Environment</i> , <b>2012</b> , 33, 269-283	4	5
22	Population, climate, and electricity use in the Arctic integrated analysis of Alaska community data <b>2012</b> , 33, 269		1
21	Assessing the impacts of local knowledge and technology on climate change vulnerability in remote communities. <i>International Journal of Environmental Research and Public Health</i> , <b>2011</b> , 8, 733-61	4.6	24
20	Linking pan-Arctic human and physical data. <i>Polar Geography</i> , <b>2011</b> , 34, 107-123	2.2	5
19	Tropical forest backscatter anomaly evident in SeaWinds scatterometer morning overpass data during 2005 drought in Amazonia. <i>Remote Sensing of Environment</i> , <b>2011</b> , 115, 897-907	13.2	83
18	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. <i>Journal of Climate</i> , <b>2010</b> , 23, 5715-5737	4.4	253
17	Interactions Between Land Cover/Use Change and Hydrology <b>2010</b> , 137-175		
16	Tracing freshwater anomalies through the air-land-ocean system: A case study from the Mackenzie river basin and the Beaufort Gyre. <i>Atmosphere - Ocean</i> , <b>2009</b> , 47, 79-97	1.5	17
15	The arctic water resource vulnerability index: an integrated assessment tool for community resilience and vulnerability with respect to freshwater. <i>Environmental Management</i> , <b>2008</b> , 42, 523-41	3.1	99
14	Rising minimum daily flows in northern Eurasian rivers: A growing influence of groundwater in the high-latitude hydrologic cycle. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		135
13	Variability in river temperature, discharge, and energy flux from the Russian pan-Arctic landmass. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112, n/a-n/a		43
12	The large-scale freshwater cycle of the Arctic. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		411
11	Cold region river discharge uncertainty estimates from large Russian rivers. <i>Journal of Hydrology</i> , <b>2006</b> , 326, 231-256	6	98
10	Remote sensing of snow thaw at the pan-Arctic scale using the SeaWinds scatterometer. <i>Journal of Hydrology</i> , <b>2005</b> , 312, 294-311	6	50
9	Simulating pan-Arctic runoff with a macro-scale terrestrial water balance model. <i>Hydrological Processes</i> , <b>2003</b> , 17, 2521-2539	3.3	48
8	Large-scale hydro-climatology of the terrestrial Arctic drainage system. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, ALT 1-1		181

7	Increasing river discharge to the Arctic Ocean. <i>Science</i> , <b>2002</b> , 298, 2171-3	33.3	1137
6	Scaling gridded river networks for macroscale hydrology: Development, analysis, and control of error. <i>Water Resources Research</i> , <b>2001</b> , 37, 1955-1967	5.4	111
5	Assessment of contemporary Arctic river runoff based on observational discharge records. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 3321-3334		286
4	Global water resources: vulnerability from climate change and population growth. <i>Science</i> , <b>2000</b> , 289, 284-8	33.3	3078
3	Simulations of snow distribution and hydrology in a mountain basin. <i>Water Resources Research</i> , <b>1999</b> , 35, 1587-1603	5.4	77
2	Forest ecosystem processes at the watershed scale: basis for distributed simulation. <i>Ecological Modelling</i> , <b>1991</b> , 56, 171-196	3	135
1	Automating object representation of drainage basins. <i>Computers and Geosciences</i> , <b>1990</b> , 16, 787-810	4.5	31