

Rd Moore

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

4,184
citations

109137

35
h-index

114278

63
g-index

85
all docs

85
docs citations

85
times ranked

3492
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in stream and river temperature research. <i>Hydrological Processes</i> , 2008, 22, 902-918.	1.1	623
2	Glacier change in western North America: influences on hydrology, geomorphic hazards and water quality. <i>Hydrological Processes</i> , 2009, 23, 42-61.	1.1	278
3	RIPARIAN MICROCLIMATE AND STREAM TEMPERATURE RESPONSE TO FOREST HARVESTING: A REVIEW. <i>Journal of the American Water Resources Association</i> , 2005, 41, 813-834.	1.0	247
4	Coupled modelling of glacier and streamflow response to future climate scenarios. <i>Water Resources Research</i> , 2008, 44, .	1.7	199
5	Influence of watershed glacier coverage on summer streamflow in British Columbia, Canada. <i>Water Resources Research</i> , 2006, 42, .	1.7	150
6	Stream temperatures in two shaded reaches below cutblocks and logging roads: downstream cooling linked to subsurface hydrology. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1383-1396.	0.8	136
7	Thermal regime of a headwater stream within a clear-cut, coastal British Columbia, Canada. <i>Hydrological Processes</i> , 2005, 19, 2591-2608.	1.1	121
8	Detection of runoff timing changes in pluvial, nival, and glacial rivers of western Canada. <i>Water Resources Research</i> , 2009, 45, .	1.7	117
9	SUSPENDED SEDIMENT DYNAMICS IN SMALL FOREST STREAMS OF THE PACIFIC NORTHWEST. <i>Journal of the American Water Resources Association</i> , 2005, 41, 877-898.	1.0	99
10	The role of synoptic-scale circulation in the linkage between large-scale oceanic atmosphere indices and winter surface climate in British Columbia, Canada. <i>International Journal of Climatology</i> , 2006, 26, 541-560.	1.5	96
11	Mass balance and streamflow variability at Place Glacier, Canada, in relation to recent climate fluctuations. <i>Hydrological Processes</i> , 2001, 15, 3473-3486.	1.1	95
12	Headwater stream temperature response to clear-cut harvesting with different riparian treatments, coastal British Columbia, Canada. <i>Water Resources Research</i> , 2006, 42, .	1.7	95
13	Stream temperature responses to clearcut logging in British Columbia: the moderating influences of groundwater and headwater lakes. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2002, 59, 1886-1900.	0.7	84
14	Quantifying Uncertainty in Streamflow Records. <i>Canadian Water Resources Journal</i> , 2012, 37, 3-21.	0.5	81
15	Improving the theoretical underpinnings of process-based hydrologic models. <i>Water Resources Research</i> , 2016, 52, 2350-2365.	1.7	80
16	Regime-dependent streamflow sensitivities to Pacific climate modes cross the Georgia-Puget transboundary ecoregion. <i>Hydrological Processes</i> , 2007, 21, 3264-3287.	1.1	75
17	Prediction of spatially distributed regional-scale fields of air temperature and vapor pressure over mountain glaciers. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	72
18	Throughflow variability on a forested hillslope underlain by compacted glacial till. <i>Hydrological Processes</i> , 2000, 14, 1751-1766.	1.1	67

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19	On the Use of Bulk Aerodynamic Formulae Over Melting Snow. <i>Hydrology Research</i> , 1983, 14, 193-206.	1.1	65
20	Stream Temperature Patterns in British Columbia, Canada, Based on Routine Spot Measurements. <i>Canadian Water Resources Journal</i> , 2006, 31, 41-56.	0.5	62
21	RELATIONS BETWEEN TOPOGRAPHY AND WATER TABLE DEPTH IN A SHALLOW FOREST SOIL. <i>Hydrological Processes</i> , 1996, 10, 1513-1525.	1.1	56
22	Above-stream microclimate and stream surface energy exchanges in a wildfire-disturbed riparian zone. <i>Hydrological Processes</i> , 2010, 24, 2369-2381.	1.1	51
23	Stream temperature dynamics in two hydrogeomorphically distinct reaches. <i>Hydrological Processes</i> , 2011, 25, 679-690.	1.1	50
24	Empirical modelling of maximum weekly average stream temperature in British Columbia, Canada, to support assessment of fish habitat suitability. <i>Canadian Water Resources Journal</i> , 2013, 38, 135-147.	0.5	50
25	Winter stream temperature in the rain-on-snow zone of the Pacific Northwest: influences of hillslope runoff and transient snow cover. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 819-838.	1.9	49
26	Forest fire, bank strength and channel instability: the "unusual" response of Fishtrap Creek, British Columbia. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 1167-1183.	1.2	47
27	Derivation of melt factors from glacier mass-balance records in western Canada. <i>Journal of Glaciology</i> , 2009, 55, 123-130.	1.1	43
28	Empirical Stream Thermal Sensitivities May Underestimate Stream Temperature Response to Climate Warming. <i>Water Resources Research</i> , 2019, 55, 5453-5467.	1.7	42
29	Winter streamflow variability, Yukon Territory, Canada. <i>Hydrological Processes</i> , 2002, 16, 763-778.	1.1	41
30	Advances in Canadian forest hydrology, 1999-2003. <i>Hydrological Processes</i> , 2005, 19, 169-200.	1.1	41
31	Glacier-mediated streamflow teleconnections to the Arctic Oscillation. <i>International Journal of Climatology</i> , 2006, 26, 619-636.	1.5	41
32	Estimation of forest harvesting-induced stream temperature changes and bioenergetic consequences for cutthroat trout in a coastal stream in British Columbia, Canada. <i>Aquatic Sciences</i> , 2012, 74, 427-441.	0.6	38
33	Daily estimates of Landsat fractional snow cover driven by MODIS and dynamic time-warping. <i>Remote Sensing of Environment</i> , 2018, 216, 635-646.	4.6	38
34	Suspended sediment dynamics in a steep, glacier-fed mountain stream, Place Creek, Canada. <i>Hydrological Processes</i> , 2003, 17, 1733-1753.	1.1	37
35	Natural disturbance and forest management in riparian zones: comparison of effects at reach, catchment, and landscape scales. <i>Freshwater Science</i> , 2012, 31, 239-247.	0.9	37
36	Scientific briefing: quantifying streambed heat advection associated with groundwater-surface water interactions. <i>Hydrological Processes</i> , 2016, 30, 987-992.	1.1	37

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37	Camp Creek Revisited: Streamflow Changes Following Salvage Harvesting in a Medium-Sized, Snowmelt-Dominated Catchment. <i>Canadian Water Resources Journal</i> , 2005, 30, 331-344.	0.5	35
38	Muted responses of streamflow and suspended sediment flux in a wildfire-affected watershed. <i>Geomorphology</i> , 2013, 202, 128-139.	1.1	34
39	Stream and bed temperature variability in a coastal headwater catchment: influences of surface-subsurface interactions and partial-retention forest harvesting. <i>Hydrological Processes</i> , 2014, 28, 1238-1249.	1.1	34
40	Variability in snow accumulation patterns within forest stands on the interior plateau of British Columbia, Canada. <i>Hydrological Processes</i> , 2006, 20, 3683-3695.	1.1	33
41	Identifying Temperature Thresholds Associated with Fish Community Changes in British Columbia, Canada, to Support Identification of Temperature Sensitive Streams. <i>River Research and Applications</i> , 2016, 32, 330-347.	0.7	31
42	Synoptic sea-level pressure patterns generated by a general circulation model: comparison with types derived from NCEP/NCAR re-analysis and implications for downscaling. <i>International Journal of Climatology</i> , 2006, 26, 1727-1736.	1.5	29
43	Throughflow variability during snowmelt in a forested mountain catchment, coastal British Columbia, Canada. <i>Hydrological Processes</i> , 2004, 18, 1219-1236.	1.1	27
44	Riparian microclimate and evaporation from a coastal headwater stream, and their response to partial-retention forest harvesting. <i>Agricultural and Forest Meteorology</i> , 2012, 164, 1-9.	1.9	27
45	Effects of forestry on summertime low flows and physical fish habitat in snowmelt-dominated headwater catchments of the Pacific Northwest. <i>Hydrological Processes</i> , 2019, 33, 3152-3168.	1.1	27
46	Observations and modeling of hillslope throughflow temperatures in a coastal forested catchment. <i>Water Resources Research</i> , 2015, 51, 3770-3795.	1.7	25
47	Quantifying the role of the snowpack in generating water available for runoff during rain-on-snow events from snow pillow records. <i>Hydrological Processes</i> , 2017, 31, 4136-4150.	1.1	23
48	Detecting the Effects of Sustained Glacier Wastage on Streamflow in Variably Glacierized Catchments. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	23
49	Transient storage processes in a steep headwater stream. <i>Hydrological Processes</i> , 2009, 23, 2671-2685.	1.1	22
50	Influence of turbidity and aeration on the albedo of mountain streams. <i>Hydrological Processes</i> , 2017, 31, 4477-4491.	1.1	22
51	Suitability of North American Regional Reanalysis (NARR) output for hydrologic modelling and analysis in mountainous terrain. <i>Hydrological Processes</i> , 2016, 30, 2332-2347.	1.1	19
52	Prediction of Streamflow Regime and Annual Runoff for Ungauged Basins Using a Distributed Monthly Water Balance Model. <i>Journal of the American Water Resources Association</i> , 2012, 48, 32-42.	1.0	18
53	Late-summer thermal regime of a small proglacial lake. <i>Hydrological Processes</i> , 2012, 26, 2687-2695.	1.1	16
54	Ablation from calving and surface melt at lake-terminating Bridge Glacier, British Columbia, 1984-2013. <i>Cryosphere</i> , 2016, 10, 87-102.	1.5	15

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55	Streamflow response to the rapid retreat of a lake-calving glacier. <i>Hydrological Processes</i> , 2016, 30, 3650-3665.	1.1	14
56	Trends in groundwater levels in British Columbia. <i>Canadian Water Resources Journal</i> , 2014, 39, 15-31.	0.5	13
57	Lake Outflow and Hillslope Lateral Inflows Dictate Thermal Regimes of Forested Streams Draining Small Lakes. <i>Water Resources Research</i> , 2021, 57, e2020WR028136.	1.7	13
58	Spatial organization of process domains in headwater drainage basins of a glaciated foothills region with complex longitudinal profiles. <i>Water Resources Research</i> , 2011, 47, .	1.7	12
59	Effects of glacial retreat on proglacial streams and riparian zones in the Coast and North Cascade Mountains. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 351-365.	1.2	12
60	A model for simulating the moisture content of standardized fuel sticks of various sizes. <i>Agricultural and Forest Meteorology</i> , 2017, 236, 123-134.	1.9	12
61	Discharge dependence of stream albedo in a steep proglacial channel. <i>Hydrological Processes</i> , 2011, 25, 4154-4158.	1.1	10
62	Variability of tracer breakthrough curves in mountain streams: Implications for streamflow measurement by slug injection. <i>Canadian Water Resources Journal</i> , 2017, 42, 21-37.	0.5	10
63	Importance of scale, land-use, and stream network properties for riparian plant communities along an urban gradient. <i>Freshwater Biology</i> , 2019, 64, 587-600.	1.2	9
64	Geometric calculation of view factors for stream surface radiation modelling in the presence of riparian forest. <i>Hydrological Processes</i> , 2013, 28, n/a-n/a.	1.1	8
65	Stream Temperature Response to 50% Strip-Thinning in a Temperate Forested Headwater Catchment. <i>Water (Switzerland)</i> , 2021, 13, 1022.	1.2	8
66	Influences of upstream reservoir stratification and downstream tidal fluctuations on the summer thermal regime of a regulated coastal river. <i>Hydrological Processes</i> , 2020, 34, 4660-4674.	1.1	7
67	Effects of Forest Harvesting on Warm-Season Low Flows in the Pacific Northwest: A Review. <i>Confluence: Journal of Watershed Science and Management</i> , 2020, 4, 29.	0.8	7
68	Predicting evaporation from mountain streams. <i>Hydrological Processes</i> , 2020, 34, 4262-4279.	1.1	6
69	Plant community type is an indicator of the seasonal moisture deficit in a disturbed raised bog. <i>Ecohydrology</i> , 2020, 13, e2209.	1.1	6
70	Approaching four decades of forest watershed research at Upper Penticton Creek, British Columbia: A synthesis. <i>Hydrological Processes</i> , 2021, 35, e14123.	1.1	6
71	EVALUATION OF MODEL PERFORMANCE WHEN THE OBSERVED DATA ARE SUBJECT TO ERROR. <i>Physical Geography</i> , 1990, 11, 379-392.	0.6	5
72	Evaluation of the North American Regional Reanalysis (NARR) precipitation fields in a topographically complex domain. <i>Hydrological Sciences Journal</i> , 2020, 65, 786-799.	1.2	5

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73	Prediction of stream flow regime using ecological classification zones. Hydrological Processes, 2013, 27, 1935-1944.	1.1	4
74	Evaluating the transferability of empirical models of debris-covered glacier melt. Journal of Glaciology, 2020, 66, 978-995.	1.1	4
75	Predicting Latent and Sensible Heat Fluxes in Stream Temperature Models: Current Challenges and Potential Solutions. Water Resources Research, 2021, 57, e2020WR028712.	1.7	3
76	North American Stream Hydrographers [NASH] Special Issue. Canadian Water Resources Journal, 2012, 37, 1-2.	0.5	2
77	Data sets for the Upper Penticton Creek Watershed Experiment: a paired catchment study to support investigations of watershed response to forest dynamics and climatic variability in an inland snow-dominated region. Hydrological Processes, 2021, 35, e14391.	1.1	2
78	A numerical simulation of supraglacial heat advection and its influence on ice melt. Journal of Glaciology, 1991, 37, 296-300.	1.1	1
79	Throughflow variability on a forested hillslope underlain by compacted glacial till. , 2000, 14, 1751.		1
80	Throughflow variability on a forested hillslope underlain by compacted glacial till. , 2000, 14, 1751.		1
81	A numerical simulation of supraglacial heat advection and its influence on ice melt. Journal of Glaciology, 1991, 37, 296-300.	1.1	1
82	Hydrology and thermal regime of an ice-contact proglacial lake: Implications for stream temperature and lake evaporation. Hydrological Processes, 2022, 36, .	1.1	1
83	Do headwater lakes moderate downstream temperature response to forest harvesting? Illustrating opportunities and obstacles associated with virtual experiments. Hydrological Processes, 2022, 36, .	1.1	1
84	Evaluation of a geomorphic instream flow tool for conducting hydraulic habitat modelling. River Research and Applications, 0, , .	0.7	0
85	Streamwater colour in snow-dominated headwater catchments: natural variability and the effects of forest harvesting. Hydrological Processes, 0, , .	1.1	0