Antoni G Lewkowicz

List of Publications by Year
in descending order

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61 papers	3,857 citations	172386 29 h-index	133188 59 g-index
63 all docs	63 docs citations	63 times ranked	3660 citing authors

#	Article	IF	Citations
1	A systematic evaluation of electrical resistivity tomography for permafrost interface detection using forward modeling. Permafrost and Periglacial Processes, 2022, 33, 134-146.	1.5	7
2	Development of a rapid active layer detachment slide in the Fenghuoshan Mountains, Qinghaiâ€“Tibet Plateau. Permafrost and Periglacial Processes, 2022, 33, 298-309.	1.5	4
3	Plantâ€“Environment Interactions in the Low Arctic Torngat Mountains of Labrador. Ecosystems, 2021, 24, 1038-1058.	1.6	17
4	Longâ€term field measurements of climateâ€induced thaw subsidence above ice wedges on hillslopes, western Arctic Canada. Permafrost and Periglacial Processes, 2021, 32, 261-276.	1.5	11
5	Hugh French memorial for Permafrost and Periglacial Processes. Permafrost and Periglacial Processes, 2021, 32, 181-185.	1.5	0
6	Permafrost Investigations below the Marine Limit at Nain, Nunatsiavut, Canada. , 2021, , .		1
7	Half a century of discontinuous permafrost persistence and degradation in western Canada. Permafrost and Periglacial Processes, 2020, 31, 85-96.	1.5	23
8	Impact of wildfire on permafrost landscapes: A review of recent advances and future prospects. Permafrost and Periglacial Processes, 2020, 31, 371-382.	1.5	98
9	Northern Hemisphere permafrost map based on TTOP modelling for 2000â€“2016 at 1â€¯km2 scale. Earth-Science Reviews, 2019, 193, 299-316.	4.0	462
10	Extremes of summer climate trigger thousands of thermokarst landslides in a High Arctic environment. Nature Communications, 2019, 10, 1329.	5.8	235
11	Permafrost is warming at a global scale. Nature Communications, 2019, 10, 264.	5.8	1,039
12	Limited release of previously-frozen C and increased new peat formation after thaw in permafrost peatlands. Soil Biology and Biochemistry, 2018, 118, 115-129.	4.2	40
13	Environmental controls on ground temperature and permafrost in Labrador, northeast Canada. Permafrost and Periglacial Processes, 2018, 29, 73-85.	1.5	40
14	Characteristics and fate of isolated permafrost patches in coastal Labrador, Canada. Cryosphere, 2018, 12, 2667-2688.	1.5	26
15	Development of moderate-resolution gridded monthly air temperature and degree-day maps for the Labrador-Ungava region of northern Canada. International Journal of Climatology, 2017, 37, 493-508.	1.5	16
16	Limited contribution of permafrost carbon to methane release from thawing peatlands. Nature Climate Change, 2017, 7, 507-511.	8.1	69
17	Modelling the spatial distribution of permafrost in Labradorâ€“Ungava using the temperature at the top of permafrost. Canadian Journal of Earth Sciences, 2016, 53, 1010-1028.	0.6	19
18	Report from the International Permafrost Association. Permafrost and Periglacial Processes, 2016, 27, 316-319.	1.5	1

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19	Multi-decadal degradation and persistence of permafrost in the Alaska Highway corridor, northwest Canada. Environmental Research Letters, 2013, 8, 045013.	2.2	50
20	Recent changes in climate and permafrost temperatures at forested and polar desert sites in northern Canada¹This article is one of a series of papers published in this CJES Special Issue on the theme ofFundamental and applied research on permafrost in Canada.. Canadian Journal of Earth Sciences, 2012, 49, 914-924.	0.6	29
21	Climate and ground temperature relations at sites across the continuous and discontinuous permafrost zones, northern Canada¹This article is one of a series of papers published in this CJES Special Issue on the theme of Fundamental and applied research on permafrost in Canada.²Earth Science Sector (ESS) Contribution 20110128.. Canadian Journal of Earth Sciences, 2012, 49, 865-876.	0.6	70
22	Permafrost probability modeling above and below treeline, Yukon, Canada. Cold Regions Science and Technology, 2012, 79-80, 92-106.	1.6	14
23	A Permafrost Probability Model for the Southern Yukon and Northern British Columbia, Canada. Permafrost and Periglacial Processes, 2012, 23, 52-68.	1.5	52
24	Spatial and thermal characteristics of mountain permafrost, northwest canada. Geografiska Annaler, Series A: Physical Geography, 2012, 94, 195-213.	0.6	41
25	Characteristics of Discontinuous Permafrost based on Ground Temperature Measurements and Electrical Resistivity Tomography, Southern Yukon, Canada. Permafrost and Periglacial Processes, 2011, 22, 320-342.	1.5	80
26	Utility of Classification and Regression Tree Analyses and Vegetation in Mountain Permafrost Models, Yukon, Canada. Permafrost and Periglacial Processes, 2011, 22, 163-178.	1.5	13
27	Equivalent Elevation: A New Method to Incorporate Variable Surface Lapse Rates into Mountain Permafrost Modelling. Permafrost and Periglacial Processes, 2011, 22, 153-162.	1.5	48
28	Modelling climate change effects on the spatial distribution of mountain permafrost at three sites in northwest Canada. Climatic Change, 2011, 105, 293-312.	1.7	23
29	Why Permafrost Is Thawing, Not Melting. Eos, 2010, 91, 87-87.	0.1	2
30	Vegetation colonization of permafrostâ€related landslides, Ellesmere Island, Canadian High Arctic. Journal of Geophysical Research, 2010, 115, .	3.3	49
31	Lakeâ€ice blisters, terra nova bay area, northern victoria land, antarctica. Geografiska Annaler, Series A: Physical Geography, 2009, 91, 99-111.	0.6	20
32	Interchangeability of mountain permafrost probability models, northwest Canada. Permafrost and Periglacial Processes, 2008, 19, 49-62.	1.5	27
33	Evaluation of miniature temperatureâ€loggers to monitor snowpack evolution at mountain permafrost sites, northwestern Canada. Permafrost and Periglacial Processes, 2008, 19, 323-331.	1.5	69
34	Mountain permafrost probability mapping using the BTS method in two climatically dissimilar locations, northwest Canada. Canadian Journal of Earth Sciences, 2008, 45, 443-455.	0.6	31
35	Dynamics of active-layer detachment failures, Fosheim Peninsula, Ellesmere Island, Nunavut, Canada. Permafrost and Periglacial Processes, 2007, 18, 89-103.	1.5	106
36	Frontal advance of turf-banked solifluction lobes, Kluane Range, Yukon Territory, Canada. Geomorphology, 2006, 73, 261-276.	1.1	30

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37	Biotic and abiotic processes on granite weathering landforms in a cryotic environment, Northern Victoria Land, Antarctica. Permafrost and Periglacial Processes, 2005, 16, 69-85.	1.5	43
38	Frequency and magnitude of active-layer detachment failures in discontinuous and continuous permafrost, northern Canada. Permafrost and Periglacial Processes, 2005, 16, 115-130.	1.5	108
39	Movement, moisture and thermal conditions at a turf-banked solifluction lobe, Kluane Range, Yukon Territory, Canada. Permafrost and Periglacial Processes, 2005, 16, 261-275.	1.5	33
40	Morphology and geotechnique of active-layer detachment failures in discontinuous and continuous permafrost, northern Canada. Geomorphology, 2005, 69, 275-297.	1.1	95
41	Beaver Damming and Palsa Dynamics in a Subarctic Mountainous Environment, Wolf Creek, Yukon Territory, Canada. Arctic, Antarctic, and Alpine Research, 2004, 36, 208-218.	0.4	17
42	Probability mapping of mountain permafrost using the BTS method, Wolf Creek, Yukon Territory, Canada. Permafrost and Periglacial Processes, 2004, 15, 67-80.	1.5	127
43	Morphometry and environmental characteristics of turf-banked solifluction lobes, Kluane Range, Yukon Territory, Canada. Permafrost and Periglacial Processes, 2002, 13, 301-313.	1.5	27
44	Temperature regime of a small sandstone tor, latitude 80 Â°N, Ellesmere Island, Nunavut, Canada. Permafrost and Periglacial Processes, 2001, 12, 351-366.	1.5	20
45	An analysis of the stability of thawing slopes, Ellesmere Island, Nunavut, Canada. Canadian Geotechnical Journal, 2000, 37, 449-462.	1.4	62
46	Salinization of Permafrost Terrain Due to Natural Geomorphic Disturbance, Fosheim Peninsula, Ellesmere Island. Arctic, 1999, 52, .	0.2	38
47	Aeolian sediment transport during winter, Black Top Creek, Fosheim Peninsula, Ellesmere Island, Canadian Arctic. Permafrost and Periglacial Processes, 1998, 9, 35-46.	1.5	22
48	Ice-wedge rejuvenation, fosheim peninsula, ellesmere Island, Canada. Permafrost and Periglacial Processes, 1994, 5, 251-268.	1.5	47
49	RESPONSE OF THE CANADIAN PERMAFROST ENVIRONMENT TO CLIMATIC CHANGE. Physical Geography, 1992, 13, 287-317.	0.6	105
50	A solifluction meter for permafrost sites. Permafrost and Periglacial Processes, 1992, 3, 11-18.	1.5	23
51	Observations of aeolian transport and niveo-aeolian deposition at three lowland sites, Canadian arctic archipelago. Permafrost and Periglacial Processes, 1991, 2, 197-210.	1.5	30
52	Hydrology of a Perennial Snowbank in the Continuous Permafrost Zone, Melville Island, Canada. Geografiska Annaler, Series A: Physical Geography, 1990, 72, 13-21.	0.6	12
53	Hydrology of a Perennial Snowbank in the Continuous Permafrost Zone, Melville Island, Canada. Geografiska Annaler, Series A: Physical Geography, 1990, 72, 13.	0.6	5
54	Measurement of Outflow from a Snowbank with Basal Ice. Journal of Glaciology, 1988, 34, 358-362.	1.1	0

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55	Measurement of Outflow from a Snowbank with Basal Ice. Journal of Glaciology, 1988, 34, 358-362.	1.1	12
56	Headwall retreat of ground-ice slumps, Banks Island, Northwest Territories. Canadian Journal of Earth Sciences, 1987, 24, 1077-1085.	0.6	60
57	Nature and Importance of Thermokarst Processes, Sand Hills Moraine, Banks Island, Canada. Geografiska Annaler, Series A: Physical Geography, 1987, 69, 321-327.	0.6	16
58	Nature and Importance of Thermokarst Processes, Sand Hills Moraine, Banks Island, Canada. Geografiska Annaler, Series A: Physical Geography, 1987, 69, 321.	0.6	8
59	Rate of Short-Term ablation of Exposed Ground Ice, Banks Island, Northwest Territories, Canada. Journal of Glaciology, 1986, 32, 511-519.	1.1	17
60	Rate of Short-Term ablation of Exposed Ground Ice, Banks Island, Northwest Territories, Canada. Journal of Glaciology, 1986, 32, 511-519.	1.1	5
61	Permafrost Geomorphology. Geological Society Memoir, 0, , M58-2022-11.	0.9	3