

Massive mortality of aspen following severe drought along Canadian boreal forest

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A drought-induced pervasive increase in tree mortality across Canada's boreal forests. <i>Nature Climate Change</i> , 2011, 1, 467-471.	8.1	653
2	Strategies for Reforestation under Uncertain Future Climates: Guidelines for Alberta, Canada. <i>PLoS ONE</i> , 2011, 6, e22977.	1.1	58
3	Drought and dead trees. <i>Nature Climate Change</i> , 2011, 1, 444-445.	8.1	22
4	Browning boreal forests of western North America. <i>Environmental Research Letters</i> , 2011, 6, 041003.	2.2	34
5	Characterization and Summary of the 1999-2005 Canadian Prairie Drought. <i>Atmosphere - Ocean</i> , 2011, 49, 421-452.	0.6	59
6	Infestation and Hydraulic Consequences of Induced Carbon Starvation. <i>Plant Physiology</i> , 2012, 159, 1866-1874.	2.3	65
7	Drought-induced tree mortality: ecological consequences, causes, and modeling. <i>Environmental Reviews</i> , 2012, 20, 109-121.	2.1	94
8	The roles of hydraulic and carbon stress in a widespread climate-induced forest die-off. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 233-237.	3.3	539
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14	Quantifying the effects of climate change and harvesting on carbon dynamics of boreal aspen and jack pine forests using the TRIPLEX-Management model. <i>Forest Ecology and Management</i> , 2012, 281, 152-162.	1.4	26
15	Effects of Widespread Drought-Induced Aspen Mortality on Understory Plants. <i>Conservation Biology</i> , 2012, 26, 1082-1090.	2.4	42
16	Widespread Triploidy in Western North American Aspen (<i>Populus tremuloides</i>). <i>PLoS ONE</i> , 2012, 7, e48406.	1.1	72
17	Changes in growth of pristine boreal North American forests from 1950 to 2005 driven by landscape demographics and species traits. <i>Biogeosciences</i> , 2012, 9, 2523-2536.	1.3	47
18	Defoliation increases risk of carbon starvation in root systems of mature aspen. <i>Trees - Structure and Function</i> , 2012, 26, 653-661.	0.9	104

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20	Large drought-induced aboveground live biomass losses in southern Rocky Mountain aspen forests. <i>Global Change Biology</i> , 2012, 18, 1016-1027.	4.2	93
21	Homogenization in forest performance across an environmental gradient – The interplay between rainfall and topographic aspect. <i>Forest Ecology and Management</i> , 2013, 310, 256-266.	1.4	16
22	Susceptibility of <i>Salix monticola</i> to <i>Cytospora</i> canker under increased temperatures and decreased water levels. <i>Forest Ecology and Management</i> , 2013, 305, 223-228.	1.4	12
23	Feature: Improving our knowledge of drought-induced forest mortality through experiments, observations, and modeling. <i>New Phytologist</i> , 2013, 200, 289-293.	3.5	113
24	Carbon in Canada's boreal forest – A synthesis. <i>Environmental Reviews</i> , 2013, 21, 260-292.	2.1	230
25	Extreme drought alters competitive dominance within and between tree species in a mixed forest stand. <i>Functional Ecology</i> , 2013, 27, 1424-1435.	1.7	145
26	A simple soil moisture index for representing multi-year drought impacts on aspen productivity in the western Canadian interior. <i>Agricultural and Forest Meteorology</i> , 2013, 178-179, 173-182.	1.9	91
27	Anticipating the consequences of climate change for Canada's boreal forest ecosystems. <i>Environmental Reviews</i> , 2013, 21, 322-365.	2.1	414
28	The influence of water availability and defoliation on extrafloral nectar secretion in quaking aspen (<i>Populus tremuloides</i>). <i>Botany</i> , 2013, 91, 761-767.	0.5	13
29	Consequences of widespread tree mortality triggered by drought and temperature stress. <i>Nature Climate Change</i> , 2013, 3, 30-36.	8.1	1,018
30	Recent declines of <i>Populus tremuloides</i> in North America linked to climate. <i>Forest Ecology and Management</i> , 2013, 299, 35-51.	1.4	213
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34	Climatic niche, ecological genetics, and impact of climate change on eastern white pine (<i>Pinus strobus</i>) Tj ETQq1 1.0,784314,rgBT /Ove 1.4 47	1.4	47
35	Drought characteristics' role in widespread aspen forest mortality across Colorado, USA. <i>Global Change Biology</i> , 2013, 19, 1526-1537.	4.2	98
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38	Climate change and fire effects on a prairie-woodland ecotone: projecting species range shifts with a dynamic global vegetation model. <i>Ecology and Evolution</i> , 2013, 3, 5076-5097.	0.8	41
39	Xylem embolism threshold for catastrophic hydraulic failure in angiosperm trees. <i>Tree Physiology</i> , 2013, 33, 672-683.	1.4	406
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41	Frost hardiness vs. growth performance in trembling aspen: an experimental test of assisted migration. <i>Journal of Applied Ecology</i> , 2013, 50, 939-949.	1.9	73
42	Projected Future Changes in Vegetation in Western North America in the Twenty-First Century. <i>Journal of Climate</i> , 2013, 26, 3671-3687.	1.2	81
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49	Past and projected future changes in moisture conditions in the Canadian boreal forest. <i>Forestry Chronicle</i> , 2014, 90, 678-691.	0.5	68
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51	Influence of water deficit on the molecular responses of <i>Pinus contorta</i> x <i>Pinus banksiana</i> mature trees to infection by the mountain pine beetle fungal associate, <i>Grosmannia claviger</i> . <i>Tree Physiology</i> , 2014, 34, 1220-1239.	1.4	25
52	Recent advance of forest-grassland ecotones in southwestern Yukon. <i>Canadian Journal of Forest Research</i> , 2014, 44, 509-520.	0.8	15
53	Defoliation triggered by climate induced effects in Spanish ICP Forests monitoring plots. <i>Forest Ecology and Management</i> , 2014, 331, 245-255.	1.4	28
54	Projecting canopy cover change in Tasmanian eucalypt forests using dynamically downscaled regional climate models. <i>Regional Environmental Change</i> , 2014, 14, 1373-1386.	1.4	17

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62	A genetics-based Universal Community Transfer Function for predicting the impacts of climate change on future communities. <i>Functional Ecology</i> , 2014, 28, 65-74.	1.7	27
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74	Climate change-associated tree mortality increases without decreasing water availability. <i>Ecology Letters</i> , 2015, 18, 1207-1215.	3.0	73
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82	Greater efficiency of water use in poplar clones having a delayed response of mesophyll conductance to drought. <i>Tree Physiology</i> , 2015, 35, 172-184.	1.4	50
83	Effects of harvesting and drought on CO ₂ and H ₂ O fluxes in an aspen-dominated western boreal plain forest: early chronosequence recovery. <i>Canadian Journal of Forest Research</i> , 2015, 45, 87-100.	0.8	30
84	Drought-related tree mortality: addressing the gaps in understanding and prediction. <i>New Phytologist</i> , 2015, 207, 28-33.	3.5	111
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92	Global forest area disturbance from fire, insect pests, diseases and severe weather events. <i>Forest Ecology and Management</i> , 2015, 352, 78-88.	1.4	185
93	Approaches to Modeling Landscape-Scale Drought-Induced Forest Mortality. , 2015, , 45-71.		4
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112	Integration of Landsat time series and field plots for forest productivity estimates in decision support models. <i>Forest Ecology and Management</i> , 2016, 376, 284-297.	1.4	32
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119	Sources of bias and variability in long-term Landsat time series over Canadian boreal forests. <i>Remote Sensing of Environment</i> , 2016, 177, 206-219.	4.6	48
120	Effects of winter temperatures, spring degree-day accumulation, and insect population source on phenological synchrony between forest tent caterpillar and host trees. <i>Forest Ecology and Management</i> , 2016, 362, 241-250.	1.4	50
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130	Water balance, surface conductance and water use efficiency of two young hybrid-poplar plantations in Canadaâ€™s aspen parkland. <i>Agricultural and Forest Meteorology</i> , 2017, 246, 256-271.	1.9	14
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