

Shawn

List of Publications by Citations

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Version: 2024-04-28

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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.

92
papers

3,587
citations

35
h-index

57
g-index

94
ext. papers

4,141
ext. citations

3.6
avg, IF

5.5
L-index

#	Paper	IF	Citations
92	Effects of thinning on drought vulnerability and climate response in north temperate forest ecosystems 2013 , 23, 1735-42		192
91	Forest management for mitigation and adaptation to climate change: Insights from long-term silviculture experiments. <i>Forest Ecology and Management</i> , 2011 , 262, 803-816	3.9	184
90	Vegetation Responses along Edge-to-Interior Gradients in the Mixed Hardwood Forests of the Roanoke River Basin, North Carolina. <i>Conservation Biology</i> , 1994 , 8, 822-832	6	156
89	Density-dependent vulnerability of forest ecosystems to drought. <i>Journal of Applied Ecology</i> , 2017 , 54, 1605-1614	5.8	153
88	Quantifying carbon stores and decomposition in dead wood: A review. <i>Forest Ecology and Management</i> , 2015 , 350, 107-128	3.9	133
87	Natural development and regeneration of a Central European montane spruce forest. <i>Forest Ecology and Management</i> , 2010 , 260, 707-714	3.9	114
86	Identifying growth releases in dendrochronological studies of forest disturbance. <i>Canadian Journal of Forest Research</i> , 2005 , 35, 1648-1656	1.9	108
85	Dynamics of coarse woody debris following gap harvesting in the Acadian forest of central Maine, U.S.A.. <i>Canadian Journal of Forest Research</i> , 2002 , 32, 2094-2105	1.9	107
84	Residence Times and Decay Rates of Downed Woody Debris Biomass/Carbon in Eastern US Forests. <i>Ecosystems</i> , 2014 , 17, 765-777	3.9	99
83	Disturbance history of an old-growth sub-alpine <i>Picea abies</i> stand in the Bohemian Forest, Czech Republic. <i>Journal of Vegetation Science</i> , 2012 , 23, 86-97	3.1	99
82	Drought timing and local climate determine the sensitivity of eastern temperate forests to drought. <i>Global Change Biology</i> , 2018 , 24, 2339-2351	11.4	98
81	Natural disturbance in an old-growth landscape of northern Maine, USA. <i>Journal of Ecology</i> , 2009 , 97, 289-298	6	97
80	Refining volume estimates of down woody debris. <i>Canadian Journal of Forest Research</i> , 2007 , 37, 627-633.	3.9	88
79	Landscape-level variability in historical disturbance in primary <i>Picea abies</i> mountain forests of the Eastern Carpathians, Romania. <i>Journal of Vegetation Science</i> , 2014 , 25, 386-401	3.1	82
78	Competition amplifies drought stress in forests across broad climatic and compositional gradients. <i>Ecosphere</i> , 2017 , 8, e01849	3.1	80
77	Eighteen years of tree mortality and structural change in an experimentally fragmented Norway spruce forest. <i>Forest Ecology and Management</i> , 2007 , 242, 306-313	3.9	75
76	Layer Stacking: A Novel Algorithm for Individual Forest Tree Segmentation from LiDAR Point Clouds. <i>Canadian Journal of Remote Sensing</i> , 2017 , 43, 16-27	1.8	67

75	Singular and interactive effects of blowdown, salvage logging, and wildfire in sub-boreal pine systems. <i>Forest Ecology and Management</i> , 2011 , 262, 2070-2078	3.9	62
74	Tree growth and competition in an old-growth <i>Picea abies</i> forest of boreal Sweden: influence of tree spatial patterning. <i>Journal of Vegetation Science</i> , 2014 , 25, 374-385	3.1	58
73	Demographics and disturbance history of a boreal old-growth <i>Picea abies</i> forest. <i>Journal of Vegetation Science</i> , 2008 , 19, 789-798	3.1	57
72	Disturbance dynamics of old-growth <i>Picea rubens</i> forests of northern Maine. <i>Journal of Vegetation Science</i> , 2005 , 16, 597	3.1	57
71	Large-scale disturbance legacies and the climate sensitivity of primary <i>Picea abies</i> forests. <i>Global Change Biology</i> , 2018 , 24, 2169-2181	11.4	55
70	Effects of multiple interacting disturbances and salvage logging on forest carbon stocks. <i>Forest Ecology and Management</i> , 2012 , 267, 209-214	3.9	54
69	Disturbance and diversity of wood-inhabiting fungi: effects of canopy gaps and downed woody debris. <i>Biodiversity and Conservation</i> , 2014 , 23, 2155-2172	3.4	52
68	Influence of competition and age on tree growth in structurally complex old-growth forests in northern Minnesota, USA. <i>Forest Ecology and Management</i> , 2013 , 308, 128-135	3.9	51
67	Woody Debris Volume Depletion Through Decay: Implications for Biomass and Carbon Accounting. <i>Ecosystems</i> , 2013 , 16, 1262-1272	3.9	49
66	Stand and cohort structures of old-growth <i>Pinus resinosa</i> -dominated forests of northern Minnesota, USA. <i>Journal of Vegetation Science</i> , 2012 , 23, 249-259	3.1	48
65	Salvage logging effects on regulating and supporting ecosystem services – a systematic map. <i>Canadian Journal of Forest Research</i> , 2018 , 48, 983-1000	1.9	48
64	Forest history and the development of old-growth characteristics in fragmented boreal forests. <i>Journal of Vegetation Science</i> , 2009 , 20, 91-106	3.1	45
63	Past forest composition, structures and processes – How paleoecology can contribute to forest conservation. <i>Biological Conservation</i> , 2013 , 168, 116-127	6.2	43
62	Linking annual tree growth with eddy-flux measures of net ecosystem productivity across twenty years of observation in a mixed conifer forest. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 479-487	5.8	41
61	Net carbon flux of dead wood in forests of the Eastern US. <i>Oecologia</i> , 2015 , 177, 861-874	2.9	38
60	Dendrochronological reconstruction of spruce budworm outbreaks in northern Maine, USA. <i>Canadian Journal of Forest Research</i> , 2007 , 37, 523-529	1.9	36
59	Estimating uncertainty in the volume and carbon storage of downed coarse woody debris. <i>Ecological Applications</i> , 2019 , 29, e01844	4.9	36
58	Ecological Impacts of Energy-Wood Harvests: Lessons from Whole-Tree Harvesting and Natural Disturbance. <i>Journal of Forestry</i> , 2013 , 111, 139-153	1.2	35

57	A new method for evaluating forest thinning: growth dominance in managed <i>Pinus resinosa</i> stands. <i>Canadian Journal of Forest Research</i> , 2010 , 40, 843-849	1.9	35
56	Comparison of Restored and Mature Bottomland Hardwood Forests of Southwestern Kentucky. <i>Restoration Ecology</i> , 1996 , 4, 111-123	3.1	35
55	Fire and the dynamics of <i>Fitzroya cupressoides</i> (alerce) forests of Chile's Cordillera Pelada. <i>Ecoscience</i> , 1999 , 6, 100-109	1.1	32
54	Quantifying climate-growth relationships at the stand level in a mature mixed-species conifer forest. <i>Global Change Biology</i> , 2018 , 24, 3587-3602	11.4	31
53	Thinning method and intensity influence long-term mortality trends in a red pine forest. <i>Forest Ecology and Management</i> , 2010 , 260, 1138-1148	3.9	30
52	Spatially random mortality in old-growth red pine forests of northern Minnesota. <i>Canadian Journal of Forest Research</i> , 2012 , 42, 899-907	1.9	29
51	Spatial pattern corrections and sample sizes for forest density estimates of historical tree surveys. <i>Landscape Ecology</i> , 2011 , 26, 59-68	4.3	29
50	Delimiting the gap phase in the growth cycle of a Panamanian forest. <i>Journal of Tropical Ecology</i> , 1998 , 14, 673-681	1.3	29
49	Structure and development of old-growth, unmanaged second-growth, and extended rotation <i>Pinus resinosa</i> forests in Minnesota, USA. <i>Forest Ecology and Management</i> , 2013 , 291, 110-118	3.9	28
48	Examining the influences of tree-to-tree competition and climate on size-growth relationships in hydric, multi-aged <i>Fraxinus nigra</i> stands. <i>Forest Ecology and Management</i> , 2016 , 375, 238-248	3.9	27
47	Effects of thinning-induced changes in structural heterogeneity on growth, ingrowth, and mortality in secondary coastal Douglas-fir forests. <i>Canadian Journal of Forest Research</i> , 2015 , 45, 1448-1461	1.9	23
46	Testing the efficacy of tree-ring methods for detecting past disturbances. <i>Forest Ecology and Management</i> , 2018 , 425, 59-67	3.9	23
45	Temporal trends and sources of variation in carbon flux from coarse woody debris in experimental forest canopy openings. <i>Oecologia</i> , 2015 , 179, 889-900	2.9	22
44	Wood-inhabiting, polyporoid fungi in aspen-dominated forests managed for biomass in the U.S. Lake States. <i>Fungal Ecology</i> , 2012 , 5, 600-609	4.1	22
43	Long-term mortality rates and spatial patterns in an old-growth <i>Pinus resinosa</i> forest. <i>Canadian Journal of Forest Research</i> , 2013 , 43, 809-816	1.9	21
42	Repeated insect outbreaks promote multi-cohort aspen mixedwood forests in northern Minnesota, USA. <i>Forest Ecology and Management</i> , 2012 , 266, 148-159	3.9	20
41	Singular and combined effects of blowdown, salvage logging, and wildfire on forest floor and soil mercury pools. <i>Environmental Science & Technology</i> , 2012 , 46, 7963-70	10.3	19
40	Global Pyrogenic Carbon Production During Recent Decades Has Created the Potential for a Large, Long-Term Sink of Atmospheric CO ₂ . <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018 , 123, 3682-3696	3.7	19

39	Forest structure following tornado damage and salvage logging in northern Maine, USA. <i>Canadian Journal of Forest Research</i> , 2017 , 47, 560-564	1.9	18
38	Low stand density moderates growth declines during hot droughts in semi-arid forests. <i>Journal of Applied Ecology</i> , 2020 , 57, 1089-1102	5.8	18
37	Regeneration and stand dynamics of <i>Fitzroya cupressoides</i> (Cupressaceae) forests of southern Chile's Central Depression. <i>Forest Ecology and Management</i> , 2002 , 165, 213-224	3.9	18
36	Mixed-severity natural disturbance regime dominates in an old-growth Norway spruce forest of northwest Russia. <i>Journal of Vegetation Science</i> , 2016 , 27, 400-413	3.1	18
35	Long-term influence of alternative forest management treatments on total ecosystem and wood product carbon storage. <i>Canadian Journal of Forest Research</i> , 2016 , 46, 1404-1412	1.9	17
34	Estimates of downed woody debris decay class transitions for forests across the eastern United States. <i>Ecological Modelling</i> , 2013 , 251, 22-31	3	16
33	Post-Fire Comparisons of Forest Floor and Soil Carbon, Nitrogen, and Mercury Pools with Fire Severity Indices. <i>Soil Science Society of America Journal</i> , 2014 , 78, S58-S65	2.5	16
32	Technical Note: Linking climate change and downed woody debris decomposition across forests of the eastern United States. <i>Biogeosciences</i> , 2014 , 11, 6417-6425	4.6	15
31	Harvesting influences functional identity and diversity over time in forests of the northeastern U.S.A.. <i>Forest Ecology and Management</i> , 2017 , 400, 93-99	3.9	14
30	Size-growth relationship, tree spatial patterns, and tree-tree competition influence tree growth and stand complexity in a 160-year red pine chronosequence. <i>Forest Ecology and Management</i> , 2018 , 424, 85-94	3.9	11
29	Emissions of forest floor and mineral soil carbon, nitrogen and mercury pools and relationships with fire severity for the Pagami Creek Fire in the Boreal Forest of northern Minnesota. <i>International Journal of Wildland Fire</i> , 2017 , 26, 296	3.2	10
28	Drivers of individual tree growth and mortality in an uneven-aged, mixed-species conifer forest. <i>Forest Ecology and Management</i> , 2019 , 449, 117446	3.9	10
27	Reserve tree mortality in two expanding-gap silvicultural systems 20 years after establishment in the Acadian forest of Maine, USA. <i>Forest Ecology and Management</i> , 2017 , 389, 149-157	3.9	9
26	Structural Attributes of Old-Growth and Partially Harvested Northern White-Cedar Stands in Northeastern North America. <i>Forests</i> , 2018 , 9, 376	2.8	9
25	Assessing the role of natural disturbance and forest management on dead wood dynamics in mixed-species stands of central Maine, USA. <i>Canadian Journal of Forest Research</i> , 2016 , 46, 1092-1102	1.9	8
24	Interspecific competition limits the realized niche of <i>Fraxinus nigra</i> along a waterlogging gradient. <i>Canadian Journal of Forest Research</i> , 2018 , 48, 1292-1301	1.9	7
23	Influence of stocking, site quality, stand age, low-severity canopy disturbance, and forest composition on sub-boreal aspen mixedwood carbon stocks. <i>Canadian Journal of Forest Research</i> , 2014 , 44, 230-242	1.9	7
22	Climate and atmospheric deposition drive the inter-annual variability and long-term trend of dissolved organic carbon flux in the conterminous United States. <i>Science of the Total Environment</i> , 2021 , 771, 145448	10.2	7

21	Influence of transect length and downed woody debris abundance on precision of the line-intersect sampling method. <i>Forest Ecosystems</i> , 2018 , 5,	3.8	7
20	Estimating carbon loss due to internal decay in living trees using tomography: implications for forest carbon budgets. <i>Environmental Research Letters</i> , 2018 , 13, 105004	6.2	7
19	Factors influencing organic-horizon carbon pools in mixed-species stands of central Maine, USA. <i>Forest Ecology and Management</i> , 2016 , 364, 90-100	3.9	6
18	Response of bark beetles and woodborers to tornado damage and subsequent salvage logging in northern coniferous forests of Maine, USA. <i>Forest Ecology and Management</i> , 2019 , 450, 117489	3.9	6
17	Natural disturbance and stand structure of old-growth northern white-cedar (<i>Thuja occidentalis</i>) forests, northern Maine, USA. <i>Forest Ecology and Management</i> , 2020 , 456, 117680	3.9	6
16	Long-term influence of disturbance-generated microsites on forest structural and compositional development. <i>Canadian Journal of Forest Research</i> , 2018 , 48, 958-965	1.9	5
15	Small mammal controls on the climate-driven range shift of woody plant species. <i>Oikos</i> , 2019 , 128, 1726-1738	4.7	5
14	Effects of multiaged silvicultural systems on reserve tree growth 19 years after establishment across multiple species in the Acadian forest in Maine, USA. <i>Canadian Journal of Forest Research</i> , 2017 , 47, 1314-1324	1.9	5
13	Succession, climate and neighbourhood dynamics influence tree growth over time: an 87-year record of change in a <i>Pinus resinosa</i> -dominated forest, Minnesota, USA. <i>Journal of Vegetation Science</i> , 2017 , 28, 82-92	3.1	5
12	Site Quality, Disturbance, and Vegetation Effects on Carbon Storage and Accumulation in Old, Mixed-Species Stands in Central Maine, USA. <i>Natural Areas Journal</i> , 2019 , 39, 429	0.8	5
11	Identifying Key Environmental Factors Explaining Temporal Patterns of DOC Export From Watersheds in the Conterminous United States. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2020JG005813	3.7	5
10	Forest density intensifies the importance of snowpack to growth in water-limited pine forests. <i>Ecological Applications</i> , 2021 , 31, e02211	4.9	5
9	Woody material structural degradation through decomposition on the forest floor. <i>Canadian Journal of Forest Research</i> , 2018 , 48, 111-115	1.9	4
8	Multiple developmental pathways for range-margin <i>Pinus banksiana</i> forests. <i>Canadian Journal of Forest Research</i> , 2016 , 46, 200-214	1.9	4
7	Ecologically-Based Metrics for Assessing Structure in Developing Area-Based, Enhanced Forest Inventories from LiDAR. <i>Canadian Journal of Remote Sensing</i> , 2019 , 45, 88-112	1.8	4
6	Dendrochronological Analyses and Whole-Tree Dissections Reveal <i>Caliciopsis</i> Canker (<i>Caliciopsis pinea</i>) Damage Associated with the Declining Growth and Climatic Stressors of Eastern White Pine (<i>Pinus strobus</i>). <i>Forests</i> , 2020 , 11, 347	2.8	2
5	Real-time monitoring of deadwood moisture in forests: lessons learned from an intensive case study. <i>Canadian Journal of Forest Research</i> , 2020 , 50, 1244-1252	1.9	2
4	Microsite requirements for successful regeneration in lowland northern white-cedar (<i>Thuja occidentalis</i> L.) forests. <i>Forest Ecology and Management</i> , 2021 , 499, 119639	3.9	2

3	The conic-paraboloid formulae for coarse woody material volume and taper and their approximation. <i>Canadian Journal of Forest Research</i> , 2018 , 48, 966-975	1.9	1
2	Multi-Decadal Carbon Cycle Measurements Indicate Resistance to External Drivers of Change at the Howland Forest AmeriFlux Site. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2021JG006276	3.7	1
1	Synthesizing Disparate LiDAR and Satellite Datasets through Deep Learning to Generate Wall-to-Wall Regional Inventories for the Complex, Mixed-Species Forests of the Eastern United States. <i>Remote Sensing</i> , 2021 , 13, 5113	5	0