

# Shawn

## List of Publications by Year in Descending Order

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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	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> , <b>2021</b> , 126, e2020JG005813	3.7	5
91	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> , <b>2021</b> , 771, 145448	10.2	7
90	Forest density intensifies the importance of snowpack to growth in water-limited pine forests. <i>Ecological Applications</i> , <b>2021</b> , 31, e02211	4.9	5
89	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> , <b>2021</b> , 126, e2021JG006276	3.7	1
88	Microsite requirements for successful regeneration in lowland northern white-cedar ( <i>Thuja occidentalis</i> L.) forests. <i>Forest Ecology and Management</i> , <b>2021</b> , 499, 119639	3.9	2
87	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> , <b>2021</b> , 13, 5113	5	0
86	Dendrochronological Analyses and Whole-Tree Dissections Reveal Caliciopsis 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> , <b>2020</b> , 11, 347	2.8	2
85	Real-time monitoring of deadwood moisture in forests: lessons learned from an intensive case study. <i>Canadian Journal of Forest Research</i> , <b>2020</b> , 50, 1244-1252	1.9	2
84	Low stand density moderates growth declines during hot droughts in semi-arid forests. <i>Journal of Applied Ecology</i> , <b>2020</b> , 57, 1089-1102	5.8	18
83	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> , <b>2020</b> , 456, 117680	3.9	6
82	Ecologically-Based Metrics for Assessing Structure in Developing Area-Based, Enhanced Forest Inventories from LiDAR. <i>Canadian Journal of Remote Sensing</i> , <b>2019</b> , 45, 88-112	1.8	4
81	Small mammal controls on the climate-driven range shift of woody plant species. <i>Oikos</i> , <b>2019</b> , 128, 1726-1738	4.7	5
80	Drivers of individual tree growth and mortality in an uneven-aged, mixed-species conifer forest. <i>Forest Ecology and Management</i> , <b>2019</b> , 449, 117446	3.9	10
79	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> , <b>2019</b> , 450, 117489	3.9	6
78	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> , <b>2019</b> , 39, 429	0.8	5
77	Estimating uncertainty in the volume and carbon storage of downed coarse woody debris. <i>Ecological Applications</i> , <b>2019</b> , 29, e01844	4.9	36
76	Drought timing and local climate determine the sensitivity of eastern temperate forests to drought. <i>Global Change Biology</i> , <b>2018</b> , 24, 2339-2351	11.4	98

75	Quantifying climate-growth relationships at the stand level in a mature mixed-species conifer forest. <i>Global Change Biology</i> , <b>2018</b> , 24, 3587-3602	11.4	31
74	Large-scale disturbance legacies and the climate sensitivity of primary <i>Picea abies</i> forests. <i>Global Change Biology</i> , <b>2018</b> , 24, 2169-2181	11.4	55
73	Woody material structural degradation through decomposition on the forest floor. <i>Canadian Journal of Forest Research</i> , <b>2018</b> , 48, 111-115	1.9	4
72	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> , <b>2018</b> , 249, 479-487	5.8	41
71	Long-term influence of disturbance-generated microsites on forest structural and compositional development. <i>Canadian Journal of Forest Research</i> , <b>2018</b> , 48, 958-965	1.9	5
70	Structural Attributes of Old-Growth and Partially Harvested Northern White-Cedar Stands in Northeastern North America. <i>Forests</i> , <b>2018</b> , 9, 376	2.8	9
69	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> , <b>2018</b> , 424, 85-94	3.9	11
68	Interspecific competition limits the realized niche of <i>Fraxinus nigra</i> along a waterlogging gradient. <i>Canadian Journal of Forest Research</i> , <b>2018</b> , 48, 1292-1301	1.9	7
67	Influence of transect length and downed woody debris abundance on precision of the line-intersect sampling method. <i>Forest Ecosystems</i> , <b>2018</b> , 5,	3.8	7
66	Global Pyrogenic Carbon Production During Recent Decades Has Created the Potential for a Large, Long-Term Sink of Atmospheric CO <sub>2</sub> . <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2018</b> , 123, 3682-3696	3.7	19
65	Estimating carbon loss due to internal decay in living trees using tomography: implications for forest carbon budgets. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 105004	6.2	7
64	The conic-paraboloid formulae for coarse woody material volume and taper and their approximation. <i>Canadian Journal of Forest Research</i> , <b>2018</b> , 48, 966-975	1.9	1
63	Salvage logging effects on regulating and supporting ecosystem services: a systematic map. <i>Canadian Journal of Forest Research</i> , <b>2018</b> , 48, 983-1000	1.9	48
62	Testing the efficacy of tree-ring methods for detecting past disturbances. <i>Forest Ecology and Management</i> , <b>2018</b> , 425, 59-67	3.9	23
61	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> , <b>2017</b> , 389, 149-157	3.9	9
60	Layer Stacking: A Novel Algorithm for Individual Forest Tree Segmentation from LiDAR Point Clouds. <i>Canadian Journal of Remote Sensing</i> , <b>2017</b> , 43, 16-27	1.8	67
59	Forest structure following tornado damage and salvage logging in northern Maine, USA. <i>Canadian Journal of Forest Research</i> , <b>2017</b> , 47, 560-564	1.9	18
58	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> , <b>2017</b> , 26, 296	3.2	10

57	Harvesting influences functional identity and diversity over time in forests of the northeastern U.S.A.. <i>Forest Ecology and Management</i> , <b>2017</b> , 400, 93-99	3.9	14
56	Density-dependent vulnerability of forest ecosystems to drought. <i>Journal of Applied Ecology</i> , <b>2017</b> , 54, 1605-1614	5.8	153
55	Competition amplifies drought stress in forests across broad climatic and compositional gradients. <i>Ecosphere</i> , <b>2017</b> , 8, e01849	3.1	80
54	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> , <b>2017</b> , 47, 1314-1324	1.9	5
53	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> , <b>2017</b> , 28, 82-92	3.1	5
52	Long-term influence of alternative forest management treatments on total ecosystem and wood product carbon storage. <i>Canadian Journal of Forest Research</i> , <b>2016</b> , 46, 1404-1412	1.9	17
51	Multiple developmental pathways for range-margin <i>Pinus banksiana</i> forests. <i>Canadian Journal of Forest Research</i> , <b>2016</b> , 46, 200-214	1.9	4
50	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> , <b>2016</b> , 46, 1092-1102	1.9	8
49	Factors influencing organic-horizon carbon pools in mixed-species stands of central Maine, USA. <i>Forest Ecology and Management</i> , <b>2016</b> , 364, 90-100	3.9	6
48	Mixed-severity natural disturbance regime dominates in an old-growth Norway spruce forest of northwest Russia. <i>Journal of Vegetation Science</i> , <b>2016</b> , 27, 400-413	3.1	18
47	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> , <b>2016</b> , 375, 238-248	3.9	27
46	Net carbon flux of dead wood in forests of the Eastern US. <i>Oecologia</i> , <b>2015</b> , 177, 861-874	2.9	38
45	Quantifying carbon stores and decomposition in dead wood: A review. <i>Forest Ecology and Management</i> , <b>2015</b> , 350, 107-128	3.9	133
44	Temporal trends and sources of variation in carbon flux from coarse woody debris in experimental forest canopy openings. <i>Oecologia</i> , <b>2015</b> , 179, 889-900	2.9	22
43	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> , <b>2015</b> , 45, 1448-1461	1.9	23
42	Residence Times and Decay Rates of Downed Woody Debris Biomass/Carbon in Eastern US Forests. <i>Ecosystems</i> , <b>2014</b> , 17, 765-777	3.9	99
41	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> , <b>2014</b> , 25, 386-401	3.1	82
40	Disturbance and diversity of wood-inhabiting fungi: effects of canopy gaps and downed woody debris. <i>Biodiversity and Conservation</i> , <b>2014</b> , 23, 2155-2172	3.4	52

39	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> , <b>2014</b> , 25, 374-385	3.1	58
38	Technical Note: Linking climate change and downed woody debris decomposition across forests of the eastern United States. <i>Biogeosciences</i> , <b>2014</b> , 11, 6417-6425	4.6	15
37	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> , <b>2014</b> , 78, S58-S65	2.5	16
36	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> , <b>2014</b> , 44, 230-242	1.9	7
35	Influence of competition and age on tree growth in structurally complex old-growth forests in northern Minnesota, USA. <i>Forest Ecology and Management</i> , <b>2013</b> , 308, 128-135	3.9	51
34	Past forest composition, structures and processes □How paleoecology can contribute to forest conservation. <i>Biological Conservation</i> , <b>2013</b> , 168, 116-127	6.2	43
33	Estimates of downed woody debris decay class transitions for forests across the eastern United States. <i>Ecological Modelling</i> , <b>2013</b> , 251, 22-31	3	16
32	Long-term mortality rates and spatial patterns in an old-growth <i>Pinus resinosa</i> forest. <i>Canadian Journal of Forest Research</i> , <b>2013</b> , 43, 809-816	1.9	21
31	Effects of thinning on drought vulnerability and climate response in north temperate forest ecosystems <b>2013</b> , 23, 1735-42		192
30	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> , <b>2013</b> , 291, 110-118	3.9	28
29	Woody Debris Volume Depletion Through Decay: Implications for Biomass and Carbon Accounting. <i>Ecosystems</i> , <b>2013</b> , 16, 1262-1272	3.9	49
28	Ecological Impacts of Energy-Wood Harvests: Lessons from Whole-Tree Harvesting and Natural Disturbance. <i>Journal of Forestry</i> , <b>2013</b> , 111, 139-153	1.2	35
27	Stand and cohort structures of old-growth <i>Pinus resinosa</i> -dominated forests of northern Minnesota, USA. <i>Journal of Vegetation Science</i> , <b>2012</b> , 23, 249-259	3.1	48
26	Singular and combined effects of blowdown, salvage logging, and wildfire on forest floor and soil mercury pools. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 7963-70	10.3	19
25	Repeated insect outbreaks promote multi-cohort aspen mixedwood forests in northern Minnesota, USA. <i>Forest Ecology and Management</i> , <b>2012</b> , 266, 148-159	3.9	20
24	Effects of multiple interacting disturbances and salvage logging on forest carbon stocks. <i>Forest Ecology and Management</i> , <b>2012</b> , 267, 209-214	3.9	54
23	Wood-inhabiting, polyporoid fungi in aspen-dominated forests managed for biomass in the U.S. Lake States. <i>Fungal Ecology</i> , <b>2012</b> , 5, 600-609	4.1	22
22	Spatially random mortality in old-growth red pine forests of northern Minnesota. <i>Canadian Journal of Forest Research</i> , <b>2012</b> , 42, 899-907	1.9	29

21	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> , <b>2012</b> , 23, 86-97	3.1	99
20	Forest management for mitigation and adaptation to climate change: Insights from long-term silviculture experiments. <i>Forest Ecology and Management</i> , <b>2011</b> , 262, 803-816	3.9	184
19	Singular and interactive effects of blowdown, salvage logging, and wildfire in sub-boreal pine systems. <i>Forest Ecology and Management</i> , <b>2011</b> , 262, 2070-2078	3.9	62
18	Spatial pattern corrections and sample sizes for forest density estimates of historical tree surveys. <i>Landscape Ecology</i> , <b>2011</b> , 26, 59-68	4.3	29
17	Natural development and regeneration of a Central European montane spruce forest. <i>Forest Ecology and Management</i> , <b>2010</b> , 260, 707-714	3.9	114
16	Thinning method and intensity influence long-term mortality trends in a red pine forest. <i>Forest Ecology and Management</i> , <b>2010</b> , 260, 1138-1148	3.9	30
15	A new method for evaluating forest thinning: growth dominance in managed <i>Pinus resinosa</i> stands. <i>Canadian Journal of Forest Research</i> , <b>2010</b> , 40, 843-849	1.9	35
14	Natural disturbance in an old-growth landscape of northern Maine, USA. <i>Journal of Ecology</i> , <b>2009</b> , 97, 289-298	6	97
13	Forest history and the development of old-growth characteristics in fragmented boreal forests. <i>Journal of Vegetation Science</i> , <b>2009</b> , 20, 91-106	3.1	45
12	Demographics and disturbance history of a boreal old-growth <i>Picea abies</i> forest. <i>Journal of Vegetation Science</i> , <b>2008</b> , 19, 789-798	3.1	57
11	Dendrochronological reconstruction of spruce budworm outbreaks in northern Maine, USA. <i>Canadian Journal of Forest Research</i> , <b>2007</b> , 37, 523-529	1.9	36
10	Eighteen years of tree mortality and structural change in an experimentally fragmented Norway spruce forest. <i>Forest Ecology and Management</i> , <b>2007</b> , 242, 306-313	3.9	75
9	Refining volume estimates of down woody debris. <i>Canadian Journal of Forest Research</i> , <b>2007</b> , 37, 627-633	3.9	88
8	Identifying growth releases in dendrochronological studies of forest disturbance. <i>Canadian Journal of Forest Research</i> , <b>2005</b> , 35, 1648-1656	1.9	108
7	Disturbance dynamics of old-growth <i>Picea rubens</i> forests of northern Maine. <i>Journal of Vegetation Science</i> , <b>2005</b> , 16, 597	3.1	57
6	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> , <b>2002</b> , 32, 2094-2105	1.9	107
5	Regeneration and stand dynamics of <i>Fitzroya cupressoides</i> (Cupressaceae) forests of southern Chile—Central Depression. <i>Forest Ecology and Management</i> , <b>2002</b> , 165, 213-224	3.9	18
4	Fire and the dynamics of <i>Fitzroya cupressoides</i> (alerce) forests of Chile—Cordillera Pelada. <i>Ecoscience</i> , <b>1999</b> , 6, 100-109	1.1	32

3	Delimiting the gap phase in the growth cycle of a Panamanian forest. <i>Journal of Tropical Ecology</i> , <b>1998</b> , 14, 673-681	1.3	29
2	Comparison of Restored and Mature Bottomland Hardwood Forests of Southwestern Kentucky. <i>Restoration Ecology</i> , <b>1996</b> , 4, 111-123	3.1	35
1	Vegetation Responses along Edge-to-Interior Gradients in the Mixed Hardwood Forests of the Roanoke River Basin, North Carolina. <i>Conservation Biology</i> , <b>1994</b> , 8, 822-832	6	156