Tuomas Aakala

List of Publications by Year in descending order

52 papers	3,476 citations	279798 23 h-index	182427 51 g-index
53 all docs	53 docs citations	53 times ranked	6349 citing authors

#	Article	IF	Citations
1	Increase in dead wood, large living trees and tree diversity, yet decrease in understory vegetation cover: The effect of three decades of biodiversity-oriented forest policy in Swedish forests. Journal of Environmental Management, 2022, 313, 114993.	7.8	13
2	Moisture content variation of ground vegetation fuels in boreal mesic and sub-xeric mineral soil forests in Finland. International Journal of Wildland Fire, 2021, 30, 283.	2.4	4
3	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
4	Forest and woodland replacement patterns following drought-related mortality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29720-29729.	7.1	99
5	The structure of boreal old-growth forests changes at multiple spatial scales over decades. Landscape Ecology, 2020, 35, 843-858.	4.2	14
6	Low growth resilience to drought is related to future mortality risk in trees. Nature Communications, 2020, 11, 545.	12.8	228
7	Globally consistent climate sensitivity of natural disturbances across boreal and temperate forest ecosystems. Ecography, 2020, 43, 967-978.	4.5	90
8	Integrating fire-scar, charcoal and fungal spore data to study fire events in the boreal forest of northern Europe. Holocene, 2019, 29, 1480-1490.	1.7	24
9	At What Scales and Why Does Forest Structure Vary in Naturally Dynamic Boreal Forests? An Analysis of Forest Landscapes on Two Continents. Ecosystems, 2019, 22, 709-724.	3.4	16
10	Effects of local forest continuity on the diversity of fungi on standing dead pines. Forest Ecology and Management, 2018, 409, 757-765.	3.2	9
11	Multiscale variation in drought controlled historical forest fire activity in the boreal forests of eastern Fennoscandia. Ecological Monographs, 2018, 88, 74-91.	5.4	25
12	How to Calibrate Historical Aerial Photographs: A Change Analysis of Naturally Dynamic Boreal Forest Landscapes. Forests, 2018, 9, 631.	2.1	6
13	The roles of competition and climate in tree growth variation in northern boreal oldâ€growth forests. Journal of Vegetation Science, 2018, 29, 1040-1051.	2.2	12
14	A scale space approach for estimating the characteristic feature sizes in hierarchical signals. Stat, 2018, 7, e195.	0.4	6
15	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. Frontiers in Plant Science, 2018, 9, 1964.	3.6	117
16	Reprint of: North Fennoscandian mountain forests: History, composition, disturbance dynamics and the unpredictable future. Forest Ecology and Management, 2017, 388, 90-99.	3.2	10
17	North Fennoscandian mountain forests: History, composition, disturbance dynamics and the unpredictable future. Forest Ecology and Management, 2017, 385, 140-149.	3.2	24
18	Dendroecological Applications to Coarse Woody Debris Dynamics. Ecological Studies, 2017, , 159-181.	1.2	3

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19	Ecosystem dynamics and management after forest dieâ€off: a global synthesis with conceptual stateâ€andâ€transition models. Ecosphere, 2017, 8, e02034.	2.2	56
20	Effects of Competition, Drought Stress and Photosynthetic Productivity on the Radial Growth of White Spruce in Western Canada. Frontiers in Plant Science, 2017, 8, 1915.	3.6	21
21	Newtonian boreal forest ecology: The Scots pine ecosystem as an example. PLoS ONE, 2017, 12, e0177927.	2.5	4
22	Dead standing pine trees in a boreal forest landscape in the Kalevala National Park, northern Fennoscandia: amount, population characteristics and spatial pattern. Forest Ecosystems, 2017, 4, .	3.1	12
23	A synthesis of radial growth patterns preceding tree mortality. Global Change Biology, 2017, 23, 1675-1690.	9.5	394
24	Reliability of temperature signal in various climate indicators from northern Europe. PLoS ONE, 2017, 12, e0180042.	2.5	5
25	Crown asymmetry in high latitude forests: disentangling the directional effects of tree competition and solar radiation. Oikos, 2016, 125, 1035-1043.	2.7	23
26	Quantifying carbon stores and decomposition in dead wood: A review. Forest Ecology and Management, 2015, 350, 107-128.	3.2	190
27	Spatial tree community structure in three stands across a forest succession gradient in northern boreal Fennoscandia. Silva Fennica, 2015, 49, .	1.3	5
28	TRADER: A package for Tree Ring Analysis of Disturbance Events in R. Dendrochronologia, 2014, 32, 107-112.	2.2	76
29	Episodic, patchy disturbances characterize an old-growth Picea abies dominated forest landscape in northeastern Europe. Forest Ecology and Management, 2014, 320, 96-103.	3.2	24
30	A prominent stepwise advance of the tree line in northâ€east Finland. Journal of Ecology, 2014, 102, 1582-1591.	4.0	29
31	Influence of competition and age on tree growth in structurally complex old-growth forests in northern Minnesota, USA. Forest Ecology and Management, 2013, 308, 128-135.	3.2	73
32	Long-term mortality rates and spatial patterns in an old-growth Pinus resinosa forest. Canadian Journal of Forest Research, 2013, 43, 809-816.	1.7	27
33	Spectral characteristics of pine needles at the limit of tree growth in subarctic Finland. Plant Ecology and Diversity, 2013, 6, 31-44.	2.4	8
34	Dynamics of Carbon and Nitrogen Fluxes and Pools in Forest Ecosystem. , 2013, , 349-396.		3
35	Even-Aged and Uneven-Aged Forest Management in Boreal Fennoscandia: A Review. Ambio, 2012, 41, 720-737.	5.5	195
36	Sine-skewed axial distributions with an application for fallen tree data. Environmental and Ecological Statistics, 2012, 19, 295-307.	3.5	2

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37	Circular distributions of fallen logs as an indicator of forest disturbance regimes. Ecological Indicators, 2012, 18, 559-566.	6.3	5
38	Spatially random mortality in old-growth red pine forests of northern Minnesota. Canadian Journal of Forest Research, 2012, 42, 899-907.	1.7	37
39	Summer droughts depress radial growth of Picea abies in pristine taiga of the Arkhangelsk province, northwestern Russia. Dendrochronologia, 2011, 29, 67-75.	2.2	31
40	Tree mortality episodes in the intact Picea abies-dominated taiga in the Arkhangelsk region of northern European Russia. Journal of Vegetation Science, 2011, 22, 322-333.	2.2	54
41	The old Norway spruce forests of northern boreal Fennoscandia are alive and well: a review of SirÃ©n (1955). Scandinavian Journal of Forest Research, 2011, 26, 25-33.	1.4	5
42	Natural forest dynamics in boreal Fennoscandia: a review and classification. Silva Fennica, 2011, 45, .	1.3	150
43	Temporal variability of deadwood volume and quality in boreal old-growth forests. Silva Fennica, 2011, 45, .	1.3	19
44	Microsite occupancy and the spatial structure of understorey regeneration in three late-successional Norway spruce forests in northern Europe. Silva Fennica, 2011, 45, .	1.3	14
45	Coarse woody debris in late-successional Picea abies forests in northern Europe: Variability in quantities and models of decay class dynamics. Forest Ecology and Management, 2010, 260, 770-779.	3.2	52
46	Tree mortality and deadwood dynamics in late-successional boreal forests. Dissertationes Forestales, 2010, 2010, .	0.1	7
47	Contrasting patterns of tree mortality in lateâ€successional Picea abies stands in two areas in northern Fennoscandia. Journal of Vegetation Science, 2009, 20, 1016-1026.	2.2	44
48	Spatial distribution of dead wood and the occurrence of five saproxylic fungi in old-growth timberline spruce forests in northern Finland. Scandinavian Journal of Forest Research, 2009, 24, 527-540.	1.4	11
49	Standing dead trees and their decay-class dynamics in the northeastern boreal old-growth forests of Quebec. Forest Ecology and Management, 2008, 255, 410-420.	3.2	61
50	Tree mortality agents in pristine Norway spruce forests in northern Fennoscandia. Silva Fennica, 2008, 42, .	1.3	41
51	Trees dying standing in the northeastern boreal old-growth forests of Quebec: spatial patterns, rates, and temporal variation. Canadian Journal of Forest Research, 2007, 37, 50-61.	1.7	59
52	Partitioning of Space Among Trees in an Old-Growth Spruce Forest in Subarctic Fennoscandia. Frontiers in Forests and Global Change, 0, 5, .	2.3	0