

Tuomas Aakala

List of Publications by Year in descending order

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Version: 2024-02-01

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	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	9.5	1,038
2	A synthesis of radial growth patterns preceding tree mortality. <i>Global Change Biology</i> , 2017, 23, 1675-1690.	9.5	394
3	Low growth resilience to drought is related to future mortality risk in trees. <i>Nature Communications</i> , 2020, 11, 545.	12.8	228
4	Even-Aged and Uneven-Aged Forest Management in Boreal Fennoscandia: A Review. <i>Ambio</i> , 2012, 41, 720-737.	5.5	195
5	Quantifying carbon stores and decomposition in dead wood: A review. <i>Forest Ecology and Management</i> , 2015, 350, 107-128.	3.2	190
6	Natural forest dynamics in boreal Fennoscandia: a review and classification. <i>Silva Fennica</i> , 2011, 45, .	1.3	150
7	Early-Warning Signals of Individual Tree Mortality Based on Annual Radial Growth. <i>Frontiers in Plant Science</i> , 2018, 9, 1964.	3.6	117
8	Forest and woodland replacement patterns following drought-related mortality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29720-29729.	7.1	99
9	Globally consistent climate sensitivity of natural disturbances across boreal and temperate forest ecosystems. <i>Ecography</i> , 2020, 43, 967-978.	4.5	90
10	TRADER: A package for Tree Ring Analysis of Disturbance Events in R. <i>Dendrochronologia</i> , 2014, 32, 107-112.	2.2	76
11	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.	3.2	73
12	Standing dead trees and their decay-class dynamics in the northeastern boreal old-growth forests of Quebec. <i>Forest Ecology and Management</i> , 2008, 255, 410-420.	3.2	61
13	Trees dying standing in the northeastern boreal old-growth forests of Quebec: spatial patterns, rates, and temporal variation. <i>Canadian Journal of Forest Research</i> , 2007, 37, 50-61.	1.7	59
14	Ecosystem dynamics and management after forest die-off: a global synthesis with conceptual state-transition models. <i>Ecosphere</i> , 2017, 8, e02034.	2.2	56
15	Tree mortality episodes in the intact <i>Picea abies</i> -dominated taiga in the Arkhangelsk region of northern European Russia. <i>Journal of Vegetation Science</i> , 2011, 22, 322-333.	2.2	54
16	Coarse woody debris in late-successional <i>Picea abies</i> forests in northern Europe: Variability in quantities and models of decay class dynamics. <i>Forest Ecology and Management</i> , 2010, 260, 770-779.	3.2	52
17	Contrasting patterns of tree mortality in late-successional <i>Picea abies</i> stands in two areas in northern Fennoscandia. <i>Journal of Vegetation Science</i> , 2009, 20, 1016-1026.	2.2	44
18	Tree mortality agents in pristine Norway spruce forests in northern Fennoscandia. <i>Silva Fennica</i> , 2008, 42, .	1.3	41

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19	Spatially random mortality in old-growth red pine forests of northern Minnesota. <i>Canadian Journal of Forest Research</i> , 2012, 42, 899-907.	1.7	37
20	Summer droughts depress radial growth of <i>Picea abies</i> in pristine taiga of the Arkhangelsk province, northwestern Russia. <i>Dendrochronologia</i> , 2011, 29, 67-75.	2.2	31
21	A prominent stepwise advance of the tree line in north-east Finland. <i>Journal of Ecology</i> , 2014, 102, 1582-1591.	4.0	29
22	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.	1.7	27
23	Multiscale variation in drought controlled historical forest fire activity in the boreal forests of eastern Fennoscandia. <i>Ecological Monographs</i> , 2018, 88, 74-91.	5.4	25
24	Episodic, patchy disturbances characterize an old-growth <i>Picea abies</i> dominated forest landscape in northeastern Europe. <i>Forest Ecology and Management</i> , 2014, 320, 96-103.	3.2	24
25	North Fennoscandian mountain forests: History, composition, disturbance dynamics and the unpredictable future. <i>Forest Ecology and Management</i> , 2017, 385, 140-149.	3.2	24
26	Integrating fire-scar, charcoal and fungal spore data to study fire events in the boreal forest of northern Europe. <i>Holocene</i> , 2019, 29, 1480-1490.	1.7	24
27	Crown asymmetry in high latitude forests: disentangling the directional effects of tree competition and solar radiation. <i>Oikos</i> , 2016, 125, 1035-1043.	2.7	23
28	Effects of Competition, Drought Stress and Photosynthetic Productivity on the Radial Growth of White Spruce in Western Canada. <i>Frontiers in Plant Science</i> , 2017, 8, 1915.	3.6	21
29	Temporal variability of deadwood volume and quality in boreal old-growth forests. <i>Silva Fennica</i> , 2011, 45, .	1.3	19
30	At What Scales and Why Does Forest Structure Vary in Naturally Dynamic Boreal Forests? An Analysis of Forest Landscapes on Two Continents. <i>Ecosystems</i> , 2019, 22, 709-724.	3.4	16
31	The structure of boreal old-growth forests changes at multiple spatial scales over decades. <i>Landscape Ecology</i> , 2020, 35, 843-858.	4.2	14
32	Microsite occupancy and the spatial structure of understorey regeneration in three late-successional Norway spruce forests in northern Europe. <i>Silva Fennica</i> , 2011, 45, .	1.3	14
33	Increase in dead wood, large living trees and tree diversity, yet decrease in understorey vegetation cover: The effect of three decades of biodiversity-oriented forest policy in Swedish forests. <i>Journal of Environmental Management</i> , 2022, 313, 114993.	7.8	13
34	Dead standing pine trees in a boreal forest landscape in the Kalevala National Park, northern Fennoscandia: amount, population characteristics and spatial pattern. <i>Forest Ecosystems</i> , 2017, 4, .	3.1	12
35	The roles of competition and climate in tree growth variation in northern boreal old-growth forests. <i>Journal of Vegetation Science</i> , 2018, 29, 1040-1051.	2.2	12
36	Spatial distribution of dead wood and the occurrence of five saproxylic fungi in old-growth timberline spruce forests in northern Finland. <i>Scandinavian Journal of Forest Research</i> , 2009, 24, 527-540.	1.4	11

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37	Reprint of: North Fennoscandian mountain forests: History, composition, disturbance dynamics and the unpredictable future. <i>Forest Ecology and Management</i> , 2017, 388, 90-99.	3.2	10
38	Effects of local forest continuity on the diversity of fungi on standing dead pines. <i>Forest Ecology and Management</i> , 2018, 409, 757-765.	3.2	9
39	Spectral characteristics of pine needles at the limit of tree growth in subarctic Finland. <i>Plant Ecology and Diversity</i> , 2013, 6, 31-44.	2.4	8
40	Tree mortality and deadwood dynamics in late-successional boreal forests. <i>Dissertationes Forestales</i> , 2010, 2010, .	0.1	7
41	How to Calibrate Historical Aerial Photographs: A Change Analysis of Naturally Dynamic Boreal Forest Landscapes. <i>Forests</i> , 2018, 9, 631.	2.1	6
42	A scale space approach for estimating the characteristic feature sizes in hierarchical signals. <i>Stat</i> , 2018, 7, e195.	0.4	6
43	The old Norway spruce forests of northern boreal Fennoscandia are alive and well: a review of SirÅ©n (1955). <i>Scandinavian Journal of Forest Research</i> , 2011, 26, 25-33.	1.4	5
44	Circular distributions of fallen logs as an indicator of forest disturbance regimes. <i>Ecological Indicators</i> , 2012, 18, 559-566.	6.3	5
45	Reliability of temperature signal in various climate indicators from northern Europe. <i>PLoS ONE</i> , 2017, 12, e0180042.	2.5	5
46	Spatial tree community structure in three stands across a forest succession gradient in northern boreal Fennoscandia. <i>Silva Fennica</i> , 2015, 49, .	1.3	5
47	Newtonian boreal forest ecology: The Scots pine ecosystem as an example. <i>PLoS ONE</i> , 2017, 12, e0177927.	2.5	4
48	Moisture content variation of ground vegetation fuels in boreal mesic and sub-xeric mineral soil forests in Finland. <i>International Journal of Wildland Fire</i> , 2021, 30, 283.	2.4	4
49	Dynamics of Carbon and Nitrogen Fluxes and Pools in Forest Ecosystem. , 2013, , 349-396.		3
50	Dendroecological Applications to Coarse Woody Debris Dynamics. <i>Ecological Studies</i> , 2017, , 159-181.	1.2	3
51	Sine-skewed axial distributions with an application for fallen tree data. <i>Environmental and Ecological Statistics</i> , 2012, 19, 295-307.	3.5	2
52	Partitioning of Space Among Trees in an Old-Growth Spruce Forest in Subarctic Fennoscandia. <i>Frontiers in Forests and Global Change</i> , 0, 5, .	2.3	0