

Aris Jansons

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1428197/publications.pdf>

Version: 2024-02-01

123
papers

1,292
citations

471509

17
h-index

477307

29
g-index

123
all docs

123
docs citations

123
times ranked

1329
citing authors

#	ARTICLE	IF	CITATIONS
19	Tree- and stand-scale factors shape the probability of wind damage to birch in hemiboreal forests. <i>Silva Fennica</i> , 2021, 55, .	1.3	2
20	Long-Term Influence of Stump-Removal on Components of Hemiboreal Pine Forest Ecosystem. <i>Sustainability</i> , 2021, 13, 2095.	3.2	2
21	Simulating the effects of thinning and species mixing on stands of oak (<i>Quercus petraea</i> (Matt.) Tj ETQq1 1 0.784314 rgBT /Overlock 109406.	2.5	6
22	The Struggle of Ashâ€”Insights from Long-Term Survey in Latvia. <i>Forests</i> , 2021, 12, 340.	2.1	7
23	Storm legacies shaping post-windthrow forest regeneration: learnings from spatial indices in unmanaged Norway spruce stands. <i>European Journal of Forest Research</i> , 2021, 140, 819-833.	2.5	1
24	Trilemma of Nordicâ€”Baltic Forestryâ€”How to Implement UN Sustainable Development Goals. <i>Sustainability</i> , 2021, 13, 5643.	3.2	9
25	Nonlinear Weatherâ€”Growth Relationships Suggest Disproportional Growth Changes of Norway Spruce in the Eastern Baltic Region. <i>Forests</i> , 2021, 12, 661.	2.1	10
26	Trends in Outbreaks of Defoliating Insects Highlight Growing Threats for Central European Forests, and Implications for Eastern Baltic Region. <i>Forests</i> , 2021, 12, 799.	2.1	6
27	Canopy status modulates formation of wood rays in scots pine under hemiboreal conditions. <i>Dendrochronologia</i> , 2021, 67, 125822.	2.2	1
28	Imitated Whole Tree Harvesting Show Negligible Effect on Economic Value of Spruce Stands. <i>Forests</i> , 2021, 12, 841.	2.1	0
29	Availability and Structure of Coarse Woody Debris in Hemiboreal Mature to Old-Growth Aspen Stands and Its Implications for Forest Carbon Pool. <i>Forests</i> , 2021, 12, 901.	2.1	4
30	South-Eastern Baltic Provenances of Scots Pine Show Heritable Weather-Growth Relationships. <i>Forests</i> , 2021, 12, 1101.	2.1	4
31	Stem Quality of European Beech in Latvia and Its Effect on Tree and Stand Monetary Value. <i>Proceedings of the Latvian Academy of Sciences</i> , 2021, 75, 292-298.	0.1	0
32	Silver birch (<i>Betula pendula</i> Roth.) culture initiation in vitro and genotype determined differences in micropropagation. <i>New Forests</i> , 2021, 52, 791-806.	1.7	3
33	Current Wildland Fire Patterns and Challenges in Europe: A Synthesis of National Perspectives. <i>Air, Soil and Water Research</i> , 2021, 14, 117862212110281.	2.5	53
34	Local adaptation of phenotypic stem traits distinguishes two provenance regions of silver birch in Latvia. <i>Silva Fennica</i> , 2021, 55, .	1.3	3
35	Root-Soil Plate Characteristics of Silver Birch on Wet and Dry Mineral Soils in Latvia. <i>Forests</i> , 2021, 12, 20.	2.1	5
36	Wind Resistance of Eastern Baltic Silver Birch (<i>Betula pendula</i> Roth.) Suggests Its Suitability for Periodically Waterlogged Sites. <i>Forests</i> , 2021, 12, 21.	2.1	11

#	ARTICLE	IF	CITATIONS
37	Effect of Stem Snapping on Aspen Timber Assortment Recovery in Hemiboreal Forests. <i>Forests</i> , 2021, 12, 28.	2.1	4
38	Root-Plate Characteristics of Common Aspen in Hemiboreal Forests of Latvia: A Case Study. <i>Forests</i> , 2021, 12, 32.	2.1	1
39	Weather-Driven Growth Responses Show Differing Adaptability of Scots Pine Provenances in the South-Eastern Parts of Baltic Sea Region. <i>Forests</i> , 2021, 12, 1641.	2.1	5
40	Stand growth and structure of mixed-species and monospecific stands of Scots pine (<i>Pinus sylvestris</i>) in the European Journal of Forest Research, 2020, 139, 349-367.	2.5	59
41	Occurrence of "blue" and "frost" rings reveal frost sensitivity of eastern Baltic provenances of Scots pine. <i>Forest Ecology and Management</i> , 2020, 457, 117729.	3.2	6
42	Long-term effects of salvage logging on stand composition in seminatural spruce forests. <i>European Journal of Forest Research</i> , 2020, 139, 17-27.	2.5	0
43	Tree growth influenced by warming winter climate and summer moisture availability in northern temperate forests. <i>Global Change Biology</i> , 2020, 26, 2505-2518.	9.5	101
44	Norway Spruce Survival Rate in Two Forested Landscapes, 1975-2016. <i>Forests</i> , 2020, 11, 745.	2.1	0
45	Long-Term Effect of Lophodermium Needle Cast on The Growth of Scots Pine and Implications for Financial Outcomes. <i>Forests</i> , 2020, 11, 718.	2.1	10
46	Species composition modulates seedling competitiveness of temperate tree species under hemiboreal conditions. <i>Forest Ecology and Management</i> , 2020, 478, 118499.	3.2	1
47	Genetically Determined Differences in Annual Shoot Elongation of Young Norway Spruce. <i>Forests</i> , 2020, 11, 1260.	2.1	2
48	Are Secondary Forests Ready for Climate Change? It Depends on Magnitude of Climate Change, Landscape Diversity and Ecosystem Legacies. <i>Forests</i> , 2020, 11, 965.	2.1	14
49	Structural Root-Plate Characteristics of Wind-Thrown Norway Spruce in Hemiboreal Forests of Latvia. <i>Forests</i> , 2020, 11, 1143.	2.1	11
50	The Persisting Influence of Edge on Vegetation in Hemiboreal <i>Alnus Glutinosa</i> (L.) Gaertn. Swamp Forest Set-Asides Adjacent to Recently Disturbed Stands. <i>Forests</i> , 2020, 11, 1084.	2.1	2
51	Deadwood Characteristics in Mature and Old-Growth Birch Stands and Their Implications for Carbon Storage. <i>Forests</i> , 2020, 11, 536.	2.1	11
52	A Financial Assessment of Windstorm Risks for Scots Pine Stands in Hemiboreal Forests. <i>Forests</i> , 2020, 11, 566.	2.1	10
53	Cost-Benefit Analysis of Measures to Reduce Windstorm Impact in Pure Norway Spruce (<i>Picea abies</i> L.) in the Baltic Sea Region. <i>Forests</i> , 2020, 11, 1143.	2.1	11
54	Effect of Breeding on Income at First Commercial Thinning in Silver Birch Plantations. <i>Forests</i> , 2020, 11, 327.	2.1	7

#	ARTICLE	IF	CITATIONS
55	Advance Regeneration of Norway Spruce and Scots Pine in Hemiboreal Forests in Latvia. <i>Forests</i> , 2020, 11, 215.	2.1	5
56	Tree Damage by Ice Accumulation in Norway Spruce (<i>Picea abies</i> (L.) Karst.) Stands Regarding Stand Characteristics. <i>Forests</i> , 2020, 11, 679.	2.1	4
57	Species mixing reduces drought susceptibility of Scots pine (<i>Pinus sylvestris</i> L.) and oak (<i>Quercus</i>) Tj ETQq1 1 0.784314 rgBT /Overlo Forest Ecology and Management, 2020, 461, 117908.	3.2	65
58	Effect of Bark-Stripping on Mechanical Stability of Norway Spruce. <i>Forests</i> , 2020, 11, 357.	2.1	22
59	Presence of Root Rot Reduces Stability of Norway Spruce (<i>Picea abies</i>): Results of Static Pulling Tests in Latvia. <i>Forests</i> , 2020, 11, 416.	2.1	21
60	Stem Damage Modifies the Impact of Wind on Norway Spruces. <i>Forests</i> , 2020, 11, 463.	2.1	12
61	Effect of salvage logging and forest type on the post-fire regeneration of Scots pine in hemiboreal forests. <i>New Forests</i> , 2020, 51, 1069-1085.	1.7	7
62	Genetic parameters of growth and quality traits in open-pollinated silver birch progeny tests. <i>Silva Fennica</i> , 2020, 54, .	1.3	4
63	Resistance of Scots pine half-sib families to <i>Heterobasidion annosum</i> in progeny field trials. <i>Silva Fennica</i> , 2020, 54, .	1.3	5
64	Effect of salvage-logging on post-fire tree establishment and ground cover vegetation in semi-natural hemiboreal forests. <i>Silva Fennica</i> , 2020, 54, .	1.3	1
65	Model of above-ground biomass distribution of Norway spruce (<i>Picea abies</i> L. (Karst.)). <i>BioResources</i> , 2020, 15, 4314-4322.	1.0	0
66	Comparison of Genetic Diversity in Naturally Regenerated Norway Spruce Stands and Seed Orchard Progeny Trials. <i>Forests</i> , 2019, 10, 926.	2.1	11
67	Adaptation Capacity of Norway Spruce Provenances in Western Latvia. <i>Forests</i> , 2019, 10, 840.	2.1	13
68	Plasticity and climatic sensitivity of wood anatomy contribute to performance of eastern Baltic provenances of Scots pine. <i>Forest Ecology and Management</i> , 2019, 452, 117568.	3.2	14
69	Infection and spread of root rot caused by <i>Heterobasidion</i> spp. in <i>Pinus contorta</i> plantations in Northern Europe: three case studies. <i>Canadian Journal of Forest Research</i> , 2019, 49, 969-977.	1.7	8
70	A mixture of human and climatic effects shapes the 250-year long fire history of a semi-natural pine dominated landscape of Northern Latvia. <i>Forest Ecology and Management</i> , 2019, 441, 192-201.	3.2	11
71	Carbon Pools in Old-Growth Scots Pine Stands in Hemiboreal Latvia. <i>Forests</i> , 2019, 10, 911.	2.1	13
72	Plasticity of response of tree-ring width of Scots pine provenances to weather extremes in Latvia. <i>Dendrochronologia</i> , 2019, 54, 1-10.	2.2	21

#	ARTICLE	IF	CITATIONS
73	Structural diversity of dead wood in small-scaled protected forest parcels in Latvia. , 2019, , .		1
74	Genetic control of intra-annual height growth in 6-year-old Norway spruce progenies in Latvia. IForest, 2019, 12, 214-219.	1.4	2
75	Health condition of European ash in young stands of diverse composition. Baltic Forestry, 2019, 25, .	0.5	2
76	Genetic diversity and differentiation of even-aged Norway spruce stands in Latvia. Baltic Forestry, 2019, 25, 45-51.	0.5	2
77	Effect of Stem Diameter, Genetics, and Wood Properties on Stem Cracking in Norway Spruce. Forests, 2018, 9, 546.	2.1	12
78	Landscape Diversity for Reduced Risk of Insect Damage: A Case Study of Spruce Bud Scale in Latvia. Forests, 2018, 9, 545.	2.1	8
79	Imprints of management history on hemiboreal forest ecosystems in the Baltic States. Ecosphere, 2018, 9, e02503.	2.2	20
80	Carbon Pools in a Hemiboreal Over-Mature Norway Spruce Stands. Forests, 2018, 9, 435.	2.1	11
81	Damage caused by Lophodermium needle cast in open-pollinated and control-crossed progeny trials of Scots pine (<i>Pinus sylvestris</i> L.). Forestry Chronicle, 2018, 94, 155-161.	0.6	5
82	Genetic Parameters of Growth Traits and Stem Quality of Silver Birch in a Low-Density Clonal Plantation. Forests, 2018, 9, 52.	2.1	8
83	Yield and Genetic Composition of Latvian <i>Ā</i> — <i>Festulolium</i> Cultivars and Breeding Material. , 2018, , 62-66.		4
84	Factors affecting windstorm damage at the stand level in hemiboreal forests in Latvia: case study of 2005 winter storm. Silva Fennica, 2018, 52, .	1.3	18
85	Teleconnection between the Atlantic sea surface temperature and forest fires in Latvia and Estonia. Silva Fennica, 2018, 52, .	1.3	1
86	Dominant height growth of European beech at the northeasternmost stands in Europe. Silva Fennica, 2018, 52, .	1.3	4
87	Bilberry ramet dimensions in relation to stand age in oligotrophic conditions in Latvia. Silva Fennica, 2018, 52, .	1.3	2
88	Wind-induced stem breakage height effect on potentially recovered timber value: case study of the Scots pine (<i>Pinus sylvestris</i> L.) in Latvia. Forestry Studies, 2018, 69, 24-32.	0.2	6
89	Environmental factors affecting formation of lammas shoots in young stands of Norway spruce (<i>Picea abies</i> Karst.) in Latvia. IForest, 2018, 11, 809-815.	1.4	5
90	Belowground biomass models for young oligotrophic Scots pine stands in Latvia. IForest, 2018, 11, 206-211.	1.4	6

#	ARTICLE	IF	CITATIONS
91	Performance variation of lodgepole pine provenances in Latvia. <i>Silva Fennica</i> , 2018, 52, .	1.3	0
92	Recent land cover changes in Latvia. , 2018, , .		1
93	Ground vegetation composition and diversity in drained Norway spruce (<i>Picea abies</i> (L.) Karst.) stands 50 years after whole-tree harvesting management: case study in Latvia. <i>Forestry Studies</i> , 2018, 69, 33-43.	0.2	1
94	Growth and cold hardening of European aspen seedlings in response to an altered temperature and soil moisture regime. <i>Agricultural and Forest Meteorology</i> , 2017, 242, 47-54.	4.8	7
95	European beech in its northeasternmost stands in Europe: Varying climate-growth relationships among generations and diameter classes. <i>Dendrochronologia</i> , 2017, 45, 123-131.	2.2	16
96	Hemiboreal forest: natural disturbances and the importance of ecosystem legacies to management. <i>Ecosphere</i> , 2017, 8, e01706.	2.2	74
97	Chemical composition and fiber properties of fast-growing species in Latvia and its potential for forest bioindustry. <i>Forestry Studies</i> , 2017, 66, 27-32.	0.2	4
98	The forest fire regime in Latvia during 1922â€“2014. <i>Silva Fennica</i> , 2017, 51, .	1.3	8
99	Pruning effect on Norway spruce (<i>Picea abies</i> (L.) Karst.) growth and quality. <i>Forestry Studies</i> , 2017, 66, 33-48.	0.2	5
100	Stem damages caused by heart rot and large poplar borer on hybrid and European aspen. <i>Forestry Studies</i> , 2017, 66, 21-26.	0.2	4
101	Proportion of knotty wood in stems of 28-year old lodgepole and Scots pine in experimental plantation in Zvirgzde, Latvia. <i>Folia Forestalia Polonica, Series A</i> , 2017, 59, 180-188.	0.3	0
102	High-frequency variation of tree-ring width of some native and alien tree species in Latvia during the period 1965â€“2009. <i>Dendrochronologia</i> , 2016, 40, 151-158.	2.2	17
103	Influence of spot mounding on height growth and tending of Norway spruce: case study in Latvia. <i>Forestry Studies</i> , 2016, 65, 24-33.	0.2	3
104	Intra-annual radial growth of European beech â€“ a case study in north easternmost stand in Europe. <i>Forestry Studies</i> , 2016, 65, 34-42.	0.2	2
105	Effect of initial fertilization on 34-year increment and wood properties of Norway spruce in Latvia. <i>Silva Fennica</i> , 2016, 50, .	1.3	6
106	Effect of climatic factors on tree-ring width of <i>Populus</i> hybrids in Latvia. <i>Silva Fennica</i> , 2016, 50, .	1.3	7
107	Survival of European beech in the central part of Latvia 33 years since the plantation. <i>Silva Fennica</i> , 2016, 50, .	1.3	3
108	Long-term effect of whole tree biomass harvesting on ground cover vegetation in a dry Scots pine stand. <i>Silva Fennica</i> , 2016, 50, .	1.3	3

#	ARTICLE	IF	CITATIONS
109	Cumulative effect of needle cast on Scots pine saplings. <i>Forestry Studies</i> , 2016, 65, 5-15.	0.2	2
110	Development of stem cracks in young hybrid aspen plantations. <i>Forestry Studies</i> , 2016, 65, 16-23.	0.2	2
111	Stem cracks of Norway spruce (<i>Picea abies</i> (L.) Karst.) provenances in Western Latvia. <i>Forestry Studies</i> , 2016, 65, 57-63.	0.2	3
112	Sensitivity of European beech trees to unfavorable environmental factors on the edge and outside of their distribution range in northeastern Europe. <i>IForest</i> , 2016, 9, 259-269.	1.4	14
113	Bark stripping of <i>Pinus contorta</i> caused by moose and deer: wounding patterns, discoloration of wood, and associated fungi. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1434-1438.	1.7	29
114	Relationships between climatic variables and tree-ring width of European beech and European larch growing outside of their natural distribution area. <i>Silva Fennica</i> , 2015, 49, .	1.3	11
115	The effect of climatic factors on height increment of Scots pine in sites differing by continentality in Latvia. <i>Silva Fennica</i> , 2015, 49, .	1.3	11
116	Relation of tree-ring width and earlywood vessel size of alien <i>Quercus rubra</i> L. with climatic factors in Latvia. <i>Silva Fennica</i> , 2015, 49, .	1.3	8
117	Expression of three phenylpropanoid pathway genes in Scots pine (<i>Pinus sylvestris</i> L.) in open-pollinated families with differing relative wood densities during early and late wood formation. <i>Silvae Genetica</i> , 2015, 64, 148-159.	0.8	3
118	Stress-induced transcriptional activation of retrotransposon-like sequences in the Scots pine (<i>Pinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	46
119	Height increment of hybrid aspen <i>Populus tremuloides</i> x <i>P. tremula</i>; as a function of weather conditions in central part of Latvia. <i>Silva Fennica</i> , 2014, 48, .	1.3	6
120	Effect of climatic factors on height increment of Scots pine in experimental plantation in Kalsnava, Latvia. <i>Forest Ecology and Management</i> , 2013, 306, 185-191.	3.2	17
121	Chemistry and kraft pulping of seven hybrid aspen clones. Dimension measurements on the vessels and UMSP of the cell walls. <i>Holzforschung</i> , 2013, 67, 505-510.	1.9	3
122	Biomass production of young lodgepole pine (<i>Pinus contorta</i> var. <i>latifolia</i>) stands in Latvia. <i>IForest</i> , 2013, 6, 10-14.	1.4	5
123	PROPERTIES OF WOOD AND PULP FIBERS FROM LODGEPOLE PINE (<i>PINUS CONTORTA</i>) AS COMPARED TO SCOTS PINE (<i>PINUS SYLVESTRIS</i>). <i>BioResources</i> , 2012, 7, .	1.0	30