

Tomas Nordfjell

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

785
citations

516710

16
h-index

552781

26
g-index

41
all docs

41
docs citations

41
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable Forest Operations (SFO): A new paradigm in a changing world and climate. <i>Science of the Total Environment</i> , 2018, 634, 1385-1397.	8.0	147
2	Changes in technical performance, mechanical availability and prices of machines used in forest operations in Sweden from 1985 to 2010. <i>Scandinavian Journal of Forest Research</i> , 2010, 25, 382-389.	1.4	49
3	Effects of the number of assortments and log concentration on time consumption for forwarding. <i>Silva Fennica</i> , 2013, 47, .	1.3	46
4	Simulation of geometric thinning systems and their time requirements for young forests. <i>Silva Fennica</i> , 2007, 41, .	1.3	38
5	Swedish non-industrial private forest owners: a survey of self-employment and equipment investments. <i>Small-Scale Forestry</i> , 2005, 4, 409-425.	0.1	35
6	Productivity and Costs in Shelterwood Harvesting. <i>Scandinavian Journal of Forest Research</i> , 2000, 15, 561-569.	1.4	32
7	Autonomous Forest Vehicles: Historic, envisioned, and state-of-the-art. <i>International Journal of Forest Engineering</i> , 2009, 20, 31-38.	0.8	31
8	Path tracking in forest terrain by an autonomous forwarder. <i>Scandinavian Journal of Forest Research</i> , 2011, 26, 350-359.	1.4	27
9	Photogrammetric estimation of wheel rut dimensions and soil compaction after increasing numbers of forwarder passes. <i>Scandinavian Journal of Forest Research</i> , 2018, 33, 613-620.	1.4	27
10	Simulation of harvester productivity in selective and boom-corridor thinning of young forests. <i>Scandinavian Journal of Forest Research</i> , 2012, 27, 56-73.	1.4	25
11	Cradle-to-gate life cycle assessment of forest supply chains: Comparison of Canadian and Swedish case studies. <i>Journal of Cleaner Production</i> , 2017, 143, 866-881.	9.3	25
12	Comparison of boom-corridor thinning and thinning from below harvesting methods in young dense Scots pine stands. <i>Silva Fennica</i> , 2010, 44, .	1.3	22
13	Load level forwarding work element analysis based on automatic follow-up data. <i>Silva Fennica</i> , 2016, 50, .	1.3	22
14	Comparison of energy-wood and pulpwood thinning systems in young birch stands. <i>Scandinavian Journal of Forest Research</i> , 2011, 26, 339-349.	1.4	18
15	The technical development of forwarders in Sweden between 1962 and 2012 and of sales between 1975 and 2017. <i>International Journal of Forest Engineering</i> , 2019, 30, 1-13.	0.8	18
16	Worldwide trends in methods for harvesting and extracting industrial roundwood. <i>International Journal of Forest Engineering</i> , 2021, 32, 202-215.	0.8	17
17	Trafficability Prediction Using Depth-to-Water Maps: the Status of Application in Northern and Central European Forestry. <i>Current Forestry Reports</i> , 2022, 8, 55-71.	7.4	17
18	Pine and spruce stump harvesting productivity and costs using a Pallari KH 160 stump-lifting tool. <i>Scandinavian Journal of Forest Research</i> , 2011, 26, 437-445.	1.4	16

#	ARTICLE	IF	CITATIONS
19	The state of the art in woody biomass comminution and sorting in Northern Europe. <i>International Journal of Forest Engineering</i> , 2013, 24, 194-215.	0.8	16
20	Fuel consumption and GHG emissions of forest biomass supply chains in Northern Sweden: a comparison analysis between integrated and conventional supply chains. <i>Scandinavian Journal of Forest Research</i> , 2017, 32, 568-581.	1.4	14
21	Compression Processing and Load Compression of Young Scots Pine and Birch Trees in Thinnings for Bioenergy. <i>International Journal of Forest Engineering</i> , 2010, 21, 31-39.	0.8	13
22	Global analysis of the slope of forest land. <i>Forestry</i> , 2021, 94, 54-69.	2.3	13
23	Impacts of wood extraction on soil: assessing rutting and soil compaction caused by skidding and forwarding by means of traditional and innovative methods. <i>European Journal of Forest Research</i> , 2022, 141, 71-86.	2.5	13
24	Compressing and Drying of Bunched Trees from a Commercial Thinning. <i>Scandinavian Journal of Forest Research</i> , 2000, 15, 284-290.	1.4	12
25	Automatic load level follow-up of forwarders' fuel and time consumption. <i>International Journal of Forest Engineering</i> , 2016, 27, 151-160.	0.8	12
26	Forces required to vertically uproot tree stumps. <i>Silva Fennica</i> , 2010, 44, .	1.3	11
27	Effect of stump size and timing of stump harvesting on ground disturbance and root breakage diameter. <i>Silva Fennica</i> , 2015, 49, .	1.3	10
28	Continuous felling of small diameter trees in boom-corridors with a prototype felling head. <i>Scandinavian Journal of Forest Research</i> , 2012, 27, 474-480.	1.4	9
29	Distribution, characteristics and potential of biomass-dense thinning forests in Sweden. <i>Silva Fennica</i> , 2015, 49, .	1.3	9
30	Cutting Corners with a New Crane Concept. <i>International Journal of Forest Engineering</i> , 2008, 19, 21-27.	0.8	6
31	Torque required to twist and cut loose Scots pine stumps. <i>Scandinavian Journal of Forest Research</i> , 2012, 27, 724-733.	1.4	5
32	Simulating conventional and integrated stump- and round-wood harvesting systems: a comparison of productivity and costs. <i>International Journal of Forest Engineering</i> , 2014, 25, 138-155.	0.8	5
33	The effect of rollover protection systems and trailers on quad bike stability. <i>International Journal of Forest Engineering</i> , 2020, 31, 95-105.	0.8	5
34	Effects of boom-corridor thinning on harvester productivity and residual stand structure. <i>International Journal of Forest Engineering</i> , 2022, 33, 226-242.	0.8	5
35	Comparison of human and computer-based selective cleaning. <i>Silva Fennica</i> , 2005, 39, .	1.3	4
36	Remote measuring of the depth of wheel ruts in forest terrain using a drone. <i>International Journal of Forest Engineering</i> , 2021, 32, 224-234.	0.8	3

#	ARTICLE	IF	CITATIONS
37	Environmental Impacts of Boom-Corridor and Selectively Thinned Small-Diameter-Tree Forests. Sustainability, 2022, 14, 6075.	3.2	3
38	Torques from Manual Tools for Directional Tree Felling. International Journal of Forest Engineering, 2007, 18, 40-51.	0.8	2
39	Attempts to Standardise Vibration Measurements in a Single-Grip Harvester. Journal of Low Frequency Noise Vibration and Active Control, 2006, 25, 11-21.	2.9	1
40	A Method to Measure Saw-Chain Lubrication. International Journal of Forest Engineering, 2007, 18, 41-45.	0.8	1
41	Application of a primarily deductive framework describing time consumption for hauling of logs to road-side. Annals of Operations Research, 2014, 219, 477-489.	4.1	1