Leena FinÃ©r

List of Publications by Year
in descending order

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108	7,006	57719	64755
papers	citations	44 h-index	79 g-index

109	109	109	7595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	What is the potential for replacing monocultures with mixed-species stands to enhance ecosystem services in boreal forests in Fennoscandia?. Forest Ecology and Management, 2021, 479, 118558.	1.4	75
2	Effects of intensive biomass harvesting on forest soils in the Nordic countries and the UK: A meta-analysis. Forest Ecology and Management, 2021, 482, 118877.	1.4	26
3	Drainage for forestry increases N, P and TOC export to boreal surface waters. Science of the Total Environment, 2021, 762, 144098.	3.9	46
4	Controls of Organic Carbon and Nutrient Export from Unmanaged and Managed Boreal Forested Catchments. Water (Switzerland), 2021, 13, 2363.	1.2	8
5	Increases in organic carbon and nitrogen concentrations in boreal forested catchments â€" Changes driven by climate and deposition. Science of the Total Environment, 2021, 780, 146627.	3.9	34
6	Search for topâ€down and bottomâ€up drivers of latitudinal trends in insect herbivory in oak trees in Europe. Global Ecology and Biogeography, 2021, 30, 651-665.	2.7	18
7	Improving models of fine root carbon stocks and fluxes in European forests. Journal of Ecology, 2020, 108, 496-514.	1.9	23
8	Species richness influences the spatial distribution of trees in European forests. Oikos, 2020, 129, 380-390.	1.2	9
9	Towards an operationalisation of nature-based solutions for natural hazards. Science of the Total Environment, 2020, 731, 138855.	3.9	105
10	Towards dynamic forest trafficability prediction using open spatial data, hydrological modelling and sensor technology. Forestry, 2020, 93, 662-674.	1.2	20
11	Assessing extraction trail trafficability using harvester CAN-bus data. International Journal of Forest Engineering, 2020, 31, 138-145.	0.4	8
12	Good things take timeâ€"Diversity effects on tree growth shift from negative to positive during stand development in boreal forests. Journal of Ecology, 2020, 108, 2198-2211.	1.9	21
13	Root and shoot phenology and root longevity of Norway spruce saplings grown at different soil temperatures. Canadian Journal of Forest Research, 2019, 49, 1441-1452.	0.8	7
14	Identifying the tree species compositions that maximize ecosystem functioning in European forests. Journal of Applied Ecology, 2019, 56, 733-744.	1.9	58
15	Variation in fine root biomass along a 1000â€¯km long latitudinal climatic gradient in mixed boreal forests of North-East Europe. Forest Ecology and Management, 2019, 432, 649-655.	1.4	20
16	Tree identity rather than tree diversity drives earthworm communities in European forests. Pedobiologia, 2018, 67, 16-25.	0.5	18
17	Model-based evaluation of sediment control in a drained peatland forest after ditch network maintenance. Canadian Journal of Forest Research, 2018, 48, 130-140.	0.8	12
18	A synthesis of the impacts of ditch network maintenance on the quantity and quality of runoff from drained boreal peatland forests. Ambio, 2018, 47, 523-534.	2.8	30

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19	Continental mapping of forest ecosystem functions reveals a high but unrealised potential for forest multifunctionality. Ecology Letters, 2018, 21, 31-42.	3.0	74
20	Release of Carbon in Different Molecule Size Fractions from Decomposing Boreal Mor and Peat as Affected by Enchytraeid Worms. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	4
21	Wood Ants in the BiaÅ‚owieÅ¼a Forest and Factors Affecting their Distribution. Annales Zoologici Fennici, 2018, 55, 103-114.	0.2	8
22	Ditch network maintenance in peat-dominated boreal forests: Review and analysis of water quality management options. Ambio, 2018, 47, 535-545.	2.8	22
23	Wheel rut measurements by forest machine-mounted LiDAR sensors â€“ accuracy and potential for operational applications?. International Journal of Forest Engineering, 2018, 29, 41-52.	0.4	21
24	Mapping policies for surface water protection zones on forest land in the Nordicâ€“Baltic region: Large differences in prescriptiveness and zone width. Ambio, 2017, 46, 878-893.	2.8	30
25	Tree species functional group is a more important driver of soil properties than tree species diversity across major European forest types. Functional Ecology, 2017, 31, 1153-1162.	1.7	72
26	Conifer proportion explains fine root biomass more than tree species diversity and site factors in major European forest types. Forest Ecology and Management, 2017, 406, 330-350.	1.4	34
27	Biodiversity and ecosystem functioning relations in European forests depend on environmental context. Ecology Letters, 2017, 20, 1414-1426.	3.0	244
28	Diversity and competition influence tree allometric relationships â€“ developing functions for mixedâ€species forests. Journal of Ecology, 2017, 105, 761-774.	1.9	91
29	Estimating the Rut Depth by UAV Photogrammetry. Remote Sensing, 2017, 9, 1279.	1.8	19
30	Evaluation of erosion and surface roughness in peatland forest ditches using pin meter measurements and terrestrial laser scanning. Earth Surface Processes and Landforms, 2016, 41, 1299-1311.	1.2	12
31	Jack-of-all-trades effects drive biodiversityâ€“ecosystem multifunctionality relationships in European forests. Nature Communications, 2016, 7, 11109.	5.8	185
32	Does clear-cut harvesting accelerate initial wood decomposition? A five-year study with standard wood material. Forest Ecology and Management, 2016, 372, 10-18.	1.4	34
33	Is Tree Species Diversity or Species Identity the More Important Driver of Soil Carbon Stocks, C/N Ratio, and pH?. Ecosystems, 2016, 19, 645-660.	1.6	141
34	First evidence that the sodium ecosystem respiration (SER) hypothesis may also hold for a coastal tropical rainforest. Applied Soil Ecology, 2016, 108, 92-95.	2.1	6
35	Positive biodiversity-productivity relationship predominant in global forests. Science, 2016, 354, .	6.0	864
36	Drivers of earthworm incidence and abundance across European forests. Soil Biology and Biochemistry, 2016, 99, 167-178.	4.2	53

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37	Should harvest residues be left on site in peatland forests to decrease the risk of potassium depletion?. Forest Ecology and Management, 2016, 374, 136-145.	1.4	8
38	Erosion mechanisms and sediment sources in a peatland forest after ditch cleaning. Earth Surface Processes and Landforms, 2016, 41, 1841-1853.	1.2	13
39	Climate modulates the effects of tree diversity on forest productivity. Journal of Ecology, 2016, 104, 388-398.	1.9	109
40	Comparison of carbon estimation methods for European forests. Forest Ecology and Management, 2016, 361, 397-420.	1.4	106
41	The responses of Scots pine seedlings to waterlogging during the growing season. Canadian Journal of Forest Research, 2016, 46, 1439-1450.	0.8	17
42	Biotic homogenization can decrease landscape-scale forest multifunctionality. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3557-3562.	3.3	196
43	Applicability of the net sheet method for estimating fine root production in forest ecosystems. Trees - Structure and Function, 2016, 30, 571-578.	0.9	7
44	A method to estimate the impact of clear-cutting on nutrient concentrations in boreal headwater streams. Ambio, 2015, 44, 521-531.	2.8	23
45	Decomposition and nutrient release from Norway spruce coarse roots and stumps â€“ A 40-year chronosequence study. Forest Ecology and Management, 2015, 358, 1-11.	1.4	42
46	Does species richness affect fine root biomass and production in young forest plantations?. Oecologia, 2015, 177, 581-594.	0.9	61
47	Is the Water Footprint an Appropriate Tool for Forestry and Forest Products: The Fennoscandian Case. Ambio, 2014, 43, 244-256.	2.8	41
48	Nitrogen, Phosphorus, Carbon, and Suspended Solids Loads from Forest Clear-Cutting and Site Preparation: Long-Term Paired Catchment Studies from Eastern Finland. Ambio, 2014, 43, 218-233.	2.8	73
49	Stabilizing effects of diversity on aboveground wood production in forest ecosystems: linking patterns and processes. Ecology Letters, 2014, 17, 1560-1569.	3.0	232
50	Competition for light and water play contrasting roles in driving diversityâ€“productivity relationships in Iberian forests. Journal of Ecology, 2014, 102, 1202-1213.	1.9	174
51	Tree diversity does not always improve resistance of forest ecosystems to drought. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14812-14815.	3.3	228
52	Effects of frozen soil on growth and longevity of fine roots of Norway spruce. Forest Ecology and Management, 2014, 313, 112-122.	1.4	36
53	The Role of Wood Ants (Formica rufa group) in Carbon and Nutrient Dynamics of a Boreal Norway Spruce Forest Ecosystem. Ecosystems, 2013, 16, 196-208.	1.6	33
54	A novel comparative research platform designed to determine the functional significance of tree species diversity in European forests. Perspectives in Plant Ecology, Evolution and Systematics, 2013, 15, 281-291.	1.1	179

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55	Effects of clear-cutting on annual and seasonal runoff from a boreal forest catchment in eastern Finland. Forest Ecology and Management, 2013, 304, 482-491.	1.4	49
56	Automated analysis of fine-root dynamics using a series of digital images. Journal of Plant Nutrition and Soil Science, 2012, 175, 775-783.	1.1	9
57	Diffuse Load Abatement with Biodiversity Co-Benefits: The Optimal Rotation Age and Buffer Zone Size. Forest Science, 2012, 58, 342-352.	0.5	7
58	The effect of stand age on CO2 efflux from wood ant (Formica rufa group) mounds in boreal forests. Soil Biology and Biochemistry, 2012, 52, 21-28.	4.2	12
59	Stand type is more important than red wood ant abundance for the structure of groundâ€dwelling arthropod assemblages in managed boreal forests. Agricultural and Forest Entomology, 2012, 14, 295-305.	0.7	10
60	Factors causing variation in fine root biomass in forest ecosystems. Forest Ecology and Management, 2011, 261, 265-277.	1.4	194
61	Fine root production and turnover in forest ecosystems in relation to stand and environmental characteristics. Forest Ecology and Management, 2011, 262, 2008-2023.	1.4	242
62	Sources of variation in the incidence of ant-aphid mutualism in boreal forests. Agricultural and Forest Entomology, 2011, 13, 239-245.	0.7	10
63	Very fine roots respond to soil depth: biomass allocation, morphology, and physiology in a broadâ€leaved temperate forest. Ecological Research, 2011, 26, 95-104.	0.7	81
64	Environmental Services Provided from Riparian Forests in the Nordic Countries. Ambio, 2010, 39, 555-566.	2.8	81
65	Organic and inorganic carbon concentrations and fluxes from managed and unmanaged boreal first-order catchments. Science of the Total Environment, 2010, 408, 1649-1658.	3.9	57
66	Carbon and nitrogen release from decomposing Scots pine, Norway spruce and silver birch stumps. Forest Ecology and Management, 2010, 259, 390-398.	1.4	142
67	Phosphorus and base cation accumulation and release patterns in decomposing Scots pine, Norway spruce and silver birch stumps. Forest Ecology and Management, 2010, 260, 1478-1489.	1.4	40
68	Effects of increased forest productivity and warmer climates on carbon sequestration, run-off water quality and accumulation of dead wood in a boreal landscape: A modelling study. Scandinavian Journal of Forest Research, 2009, 24, 333-347.	0.5	22
69	Trends in hydrometeorological conditions and stream water organic carbon in boreal forested catchments. Science of the Total Environment, 2009, 408, 92-101.	3.9	105
70	Foraging activity and dietary spectrum of wood ants (Formica rufagroup) and their role in nutrient fluxes in boreal forests. Ecological Entomology, 2009, 34, 369-377.	1.1	67
71	Does the mutualism between wood ants (Formica rufa group) and Cinara aphids affect Norway spruce growth?. Forest Ecology and Management, 2009, 257, 238-243.	1.4	56
72	Leaching of cations and sulphate after mechanical site preparation at a boreal forest clear-cut area. Geoderma, 2009, 149, 386-392.	2.3	16

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73	A new method for placing and lifting root meshes for estimating fine root production in forest ecosystems. Plant Root, 2009, 3, 26-31.	0.3	26
74	Do decomposing Scots pine, Norway spruce, and silver birch stems retain nitrogen?. Canadian Journal of Forest Research, 2008, 38, 3047-3055.	0.8	35
75	Impacts of logging residue and stump removal on nitrogen export to a stream: A modelling approach. Scandinavian Journal of Forest Research, 2008, 23, 227-235.	0.5	10
76	Carbon, nitrogen and phosphorus leaching after site preparation at a boreal forest clear-cut area. Forest Ecology and Management, 2007, 243, 10-18.	1.4	93
77	Water protection and buffer zones: How much does it cost to reduce nitrogen load in a forest cutting?. Scandinavian Journal of Forest Research, 2007, 22, 537-544.	0.5	19
78	Development of ground vegetation biomass and nutrient pools in a clear-cut disc-plowed boreal forest. Plant and Soil, 2007, 297, 43-52.	1.8	19
79	The effect of red wood ant (Formica rufa group) mounds on root biomass, density, and nutrient concentrations in boreal managed forests. Journal of Forest Research, 2007, 12, 113-119.	0.7	45
80	Decomposition andÂnitrogen dynamics ofÂlitter inÂpeat soils from twoÂclimatic regions under different temperature regimes. European Journal of Soil Biology, 2006, 42, 74-81.	1.4	30
81	Controls on the export of C, N, P and Fe from undisturbed boreal catchments, Finland. Aquatic Sciences, 2006, 68, 453-468.	0.6	185
82	Responses of ground vegetation species to clear-cutting in a boreal forest: aboveground biomass and nutrient contents during the first 7Âyears. Ecological Research, 2005, 20, 652-660.	0.7	81
83	Changes in the Above- and Below-ground Biomass and Nutrient Pools of Ground Vegetation After Clear-cutting of a Mixed Boreal Forest. Plant and Soil, 2005, 275, 157-167.	1.8	49
84	Effect of clear-cutting and site preparation on the level and quality of groundwater in some headwater catchments in eastern Finland. Forest Ecology and Management, 2005, 220, 107-117.	1.4	33
85	CO2 efflux from a red wood ant mound in a boreal forest. Agricultural and Forest Meteorology, 2005, 130, 131-136.	1.9	30
86	The effect of soil temperature on the bud phenology, chlorophyll fluorescence, carbohydrate content and cold hardiness of Norway spruce seedlings. Physiologia Plantarum, 2004, 121, 93-100.	2.6	46
87	Scots pine litter decomposition along drainage succession and soil nutrient gradients in peatland forests, and the effects of inter-annual weather variation. Soil Biology and Biochemistry, 2004, 36, 1095-1109.	4.2	64
88	Effects of forest clear-cutting on the sulphur, phosphorus and base cations fluxes through podzolic soil horizons. Biogeochemistry, 2004, 69, 405-424.	1.7	57
89	Release of potassium, calcium, iron and aluminium from Norway spruce, Scots pine and silver birch logging residues. Plant and Soil, 2004, 259, 123-136.	1.8	72
90	Sulphate and base cation concentrations and export in streams from unmanaged forested catchments in Finland. Forest Ecology and Management, 2004, 195, 115-128.	1.4	26

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91	Brook Water Quality and Background Leaching from Unmanaged Forested Catchments in Finland. Water, Air, and Soil Pollution, 2003, 147, 275-298.	1.1	84
92	Carbon and nitrogen pools in an old-growth, Norway spruce mixed forest in eastern Finland and changes associated with clear-cutting. Forest Ecology and Management, 2003, 174, 51-63.	1.4	129
93	Deposition and Leaching of Sulphate and Base Cations in a Mixed Boreal Forest in Eastern Finland. Water, Air, and Soil Pollution, 2002, 133, 185-204.	1.1	21
94	Effects of forest clear-cutting on the carbon and nitrogen fluxes through podzolic soil horizons. Plant and Soil, 2002, 239, 301-311.	1.8	104
95	Effect of soil temperature on nutrient allocation and mycorrhizas in Scots pine seedlings. Plant and Soil, 2002, 239, 173-185.	1.8	58
96	Title is missing!. Plant and Soil, 2002, 246, 75-86.	1.8	39
97	Variation in Stemwood Nutrient Concentrations in Scots Pine Growing on Peatland. Scandinavian Journal of Forest Research, 2000, 15, 424-432.	0.5	14
98	Decomposition of Scots pine litter and the fate of released carbon in pristine and drained pine mires. Soil Biology and Biochemistry, 2000, 32, 1571-1580.	4.2	33
99	The Ingrowth Bag Method in Measuring Root Production on Peatland Sites. Scandinavian Journal of Forest Research, 2000, 15, 75-80.	0.5	43
100	Root dynamics at drained peatland sites of different fertility in southern Finland. Plant and Soil, 1998, 201, 27-36.	1.8	75
101	Fine-root production in small experimental gaps in successional mixed boreal forests. Journal of Vegetation Science, 1998, 9, 537-542.	1.1	13
102	Relocation of carbon from decaying litter in drained peat soils. Soil Biology and Biochemistry, 1998, 30, 1529-1536.	4.2	24
103	Variation in the amount and quality of litterfall in a Pinus sylvestris L. stand growing on a bog. Forest Ecology and Management, 1996, 80, 1-11.	1.4	50
104	Changes in root biomass after waterâ€level drawdown on pine mires in southern Finland. Scandinavian Journal of Forest Research, 1996, 11, 251-260.	0.5	86
105	Nutrient concentrations in Pinus sylvestris growing on an ombrotrophic pine bog, and the effects of PK and NPK fertilization. Scandinavian Journal of Forest Research, 1992, 7, 205-218.	0.5	20
106	Understorey vegetation on three ombrotrophic pine bogs and the effects of NPK and PK fertilization. Scandinavian Journal of Forest Research, 1991, 6, 113-128.	0.5	22
107	Fertilization effects on surface peat of pine bogs. Scandinavian Journal of Forest Research, 1991, 6, 433-449.	0.5	22
108	Decomposition of cellulose in litter layer and surface peat of lowâ€shrub pine bogs. Scandinavian Journal of Forest Research, 1990, 5, 297-310.	0.5	17