Silvio Schueler

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7255159/publications.pdf

Version: 2024-02-01

74	3,091	236925	175258
papers	citations	25 h-index	52 g-index

77	77	77	5170
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The GenTree Dendroecological Collection, tree-ring and wood density data from seven tree species across Europe. Scientific Data, 2020, 7, 1.	5.3	830
2	Longâ€distance gene flow and adaptation of forest trees to rapid climate change. Ecology Letters, 2012, 15, 378-392.	6.4	550
3	Translating conservation genetics into management: Pan-European minimum requirements for dynamic conservation units of forest tree genetic diversity. Biological Conservation, 2013, 157, 39-49.	4.1	102
4	Intraspecific variation in climate response of Norway spruce in the eastern Alpine range: Selecting appropriate provenances for future climate. Forest Ecology and Management, 2012, 271, 46-57.	3.2	86
5	Modeling of oak pollen dispersal on the landscape level with a mesoscale atmospheric model. Environmental Modeling and Assessment, 2006, 11, 179-194.	2.2	79
6	Characterization of microsatellites in wild and sweet cherry (Prunus avium L.) Â— markers for individual identification and reproductive processes. Genome, 2003, 46, 95-102.	2.0	72
7	Comparative analysis of the within-population genetic structure in wild cherry (Prunus avium L.) at the self-incompatibility locus and nuclear microsatellites. Molecular Ecology, 2006, 15, 3231-3243.	3.9	64
8	Dynamic Conservation of Forest Genetic Resources in 33 European Countries. Conservation Biology, 2013, 27, 373-384.	4.7	63
9	Inter- and intra-specific variation in drought sensitivity in Abies spec. and its relation to wood density and growth traits. Agricultural and Forest Meteorology, 2015, 214-215, 430-443.	4.8	63
10	Estimating the density of ground-dwelling arthropods with pitfall traps using a nested-cross array. Journal of Animal Ecology, 2004, 73, 469-477.	2.8	60
11	Conservation Priorities for Prunus africana Defined with the Aid of Spatial Analysis of Genetic Data and Climatic Variables. PLoS ONE, 2013, 8, e59987.	2.5	59
12	Drought Sensitivity of Norway Spruce at the Speciesâ€™ Warmest Fringe: Quantitative and Molecular Analysis Reveals High Genetic Variation Among and Within Provenances. G3: Genes, Genomes, Genetics, 2018, 8, 1225-1245.	1.8	58
13	Chilling and forcing requirements for foliage bud burst of European beech (Fagus sylvatica L.) differ between provenances and are phenotypically plastic. Agricultural and Forest Meteorology, 2017, 234-235, 172-181.	4.8	57
14	Selecting Populations for Non-Analogous Climate Conditions Using Universal Response Functions: The Case of Douglas-Fir in Central Europe. PLoS ONE, 2015, 10, e0136357.	2.5	53
15	Bioactive constituents in Prunus africana: Geographical variation throughout Africa and associations with environmental and genetic parameters. Phytochemistry, 2012, 83, 70-78.	2.9	51
16	Phylogeography of the Afromontane Prunus africana reveals a former migration corridor between East and West African highlands. Molecular Ecology, 2011, 20, 165-178.	3.9	50
17	Vulnerability of dynamic genetic conservation units of forest trees in Europe to climate change. Global Change Biology, 2014, 20, 1498-1511.	9.5	48
18	Two centuries of masting data for <scp>E</scp>uropean beech and <scp>N</scp>orway spruce across the <scp>E</scp>uropean continent. Ecology, 2017, 98, 1473-1473.	3.2	47

#	Article	IF	Citations
19	Adapting Douglas-fir forestry in Central Europe: evaluation, application, and uncertainty analysis of a genetically based model. European Journal of Forest Research, 2016, 135, 919-936.	2.5	43
20	Divergent pattern of nuclear genetic diversity across the range of the Afromontane Prunus africana mirrors variable climate of African highlands. Annals of Botany, 2013, 111, 47-60.	2.9	36
21	Intra-specific variation in growth and wood density traits under water-limited conditions: Long-term-, short-term-, and sudden responses of four conifer tree species. Science of the Total Environment, 2019, 660, 631-643.	8.0	35
22	Viability and sunlight sensitivity of oak pollen and its implications for pollen-mediated gene flow. Trees - Structure and Function, 2005, 19, 154-161.	1.9	33
23	Association genetics of phenolic needle compounds in Norway spruce with variable susceptibility to needle bladder rust. Plant Molecular Biology, 2017, 94, 229-251.	3.9	30
24	Effect of Climate-Adapted Forest Management on Carbon Pools and Greenhouse Gas Emissions. Current Forestry Reports, 2015, 1, 1-7.	7.4	29
25	Adaptive genetic diversity of trees for forest conservation in a future climate: a case study on Norway spruce in Austria. Biodiversity and Conservation, 2013, 22, 1151-1166.	2.6	28
26	Genetic trials improve the transfer of Douglasâ€fir distribution models across continents. Ecography, 2019, 42, 88-101.	4.5	28
27	The geographic origin of old Douglas-fir stands growing in Central Europe. European Journal of Forest Research, 2018, 137, 447-461.	2.5	27
28	Insights into drought adaptation of two European oak species revealed by nucleotide diversity of candidate genes. Tree Genetics and Genomes, 2013, 9, 1179-1192.	1.6	24
29	Genetic variation, phenotypic stability, and repeatability of drought response in European larch throughout 50 years in a common garden experiment. Tree Physiology, 2017, 37, 33-46.	3.1	24
30	Latitudinal population transfer reduces temperature sum requirements for bud burst of European beech. Plant Ecology, 2015, 216, 111-122.	1.6	22
31	Disentangling the role of climate and soil on tree growth and its interaction with seed origin. Science of the Total Environment, 2019, 654, 393-401.	8.0	20
32	Chloroplast DNAâ€based studies in molecular ecology may be compromised by nuclearâ€encoded plastid sequence. Molecular Ecology, 2010, 19, 3853-3856.	3.9	19
33	MASTREE+: Timeâ€series of plant reproductive effort from six continents. Global Change Biology, 2022, 28, 3066-3082.	9.5	19
34	Intervarietal and intravarietal genetic structure in Douglasâ€fir: nuclear <scp>SSR</scp>s bring novel insights into past population demographic processes, phylogeography, and intervarietal hybridization. Ecology and Evolution, 2015, 5, 1802-1817.	1.9	16
35	Varying selection differential throughout the climatic range of Norway spruce in Central Europe. Evolutionary Applications, 2017, 10, 25-38.	3.1	16
36	In Situ Genetic Evaluation of European Larch Across Climatic Regions Using Marker-Based Pedigree Reconstruction. Frontiers in Genetics, 2020, 11, 28.	2.3	15

#	Article	IF	Citations
37	Provisioning forest and conservation science with high-resolution maps of potential distribution of major European tree species under climate change. Annals of Forest Science, 2021, 78, 1.	2.0	14
38	Highâ€resolution gridded climate data for Europe based on biasâ€corrected EUROâ€CORDEX: The ECLIPS dataset. Geoscience Data Journal, 2021, 8, 121-131.	4.4	13
39	RNA-Seq and secondary metabolite analyses reveal a putative defence-transcriptome in Norway spruce (Picea abies) against needle bladder rust (Chrysomyxa rhododendri) infection. BMC Genomics, 2020, 21, 336.	2.8	13
40	Patterns of genetic diversity of Prunus africana in Ethiopia: hot spot but not point of origin for range-wide diversity. Tree Genetics and Genomes, 2015, 11, 1.	1.6	12
41	Morphometric traits and sexual dimorphisms do not strongly differentiate populations of Zeravshan juniper (Juniperus seravschanica Kom.) in Kyrgyzstan. Flora: Morphology, Distribution, Functional Ecology of Plants, 2010, 205, 532-539.	1.2	11
42	The GenTree Leaf Collection: Interâ€and intraspecific leaf variation in seven forest tree species in Europe. Global Ecology and Biogeography, 2021, 30, 590-597.	5.8	11
43	Multi-actor perspectives on afforestation and reforestation strategies in Central Europe under climate change. Annals of Forest Science, 2021, 78, 1.	2.0	11
44	Modelling the spatial population dynamics of the green oak leaf roller (Tortrix viridana) using density dependent competitive interactions: Effects of herbivore mortality and varying host-plant quality. Ecological Modelling, 2011, 222, 1293-1302.	2.5	10
45	Solid Wood Properties Assessed by Non-Destructive Measurements of Standing European Larch (Larix) Tj ETQq1 1 0.784314 rgBT /Over 2018, 9, 276.	2.1	10
46	Continent-Wide Tree Species Distribution Models May Mislead Regional Management Decisions: A Case Study in the Transboundary Biosphere Reserve Mura-Drava-Danube. Forests, 2021, 12, 330.	2.1	10
47	Evolvability of Drought Response in Four Native and Non-native Conifers: Opportunities for Forest and Genetic Resource Management in Europe. Frontiers in Plant Science, 2021, 12, 648312.	3.6	10
48	Detection of Self Incompatibility Genotypes in Prunus africana: Characterization, Evolution and Spatial Analysis. PLoS ONE, 2016, 11, e0155638.	2.5	9
49	Non-Native Forest Tree Species in Europe: The Question of Seed Origin in Afforestation. Forests, 2022, 13, 273.	2.1	8
50	Siteâ€specific risk assessment enables tradeâ€off analysis of nonâ€native tree species in European forests. Ecology and Evolution, 2021, 11, 18089-18110.	1.9	8
51	Provenance Trials in Alpine Range â€“ Review and Perspectives for Applications in Climate Change. , 0, , .		7
52	Survival of Douglas-fir provenances in Austria: site-specific late and early frost events are more important than provenance origin. Annals of Forest Science, 2019, 76, 1.	2.0	7
53	River distance, stand basal area, and climatic conditions are the main drivers influencing lying deadwood in riparian forests. Forest Ecology and Management, 2022, 520, 120415.	3.2	7
54	Environment rather than genetic background explains intraspecific variation in the protein-precipitating capacity of phenolic compounds in beech litter. Plant Ecology and Diversity, 2015, 8, 73-79.	2.4	6

#	Article	IF	Citations
55	Limitierende Faktoren fÃ¼r den Douglasienanbau in Mitteleuropa im Klimawandel. Schweizerische Zeitschrift Fur Forstwesen, 2021, 172, 84-93.	0.1	6
56	Forest management, site characteristics and climate change affect multiple biotic threats in riparian forests. Forest Ecology and Management, 2022, 508, 120041.	3.2	6
57	North American Douglas-fir (P. menziesii) in Europe: establishment and reproduction within new geographic space without consequences for its genetic diversity. Biological Invasions, 2019, 21, 3249-3267.	2.4	5
58	Forests, Carbon Pool, and Timber Production. , 2013, , 101-130.		5
59	109 years of forest growth measurements from individual Norway spruce trees. Scientific Data, 2018, 5, 180077.	5.3	5
60	Sub-montane Norway spruce as alternative seed source for a changing climate? A genetic and growth analysis at the fringe of its natural range in Austria. Silva Fennica, 2010, 44, .	1.3	5
61	A transnationalÂcooperation for sustainable use and management of non-native trees in urban, peri-urban and forest ecosystems in the Alpine region (ALPTREES)Â. Research Ideas and Outcomes, 0, 6, .	1.0	4
62	Accelerating Adaptation of Forest Trees to Climate Change Using Individual Tree Response Functions. Frontiers in Plant Science, 2021, 12, 758221.	3.6	4
63	The GenTree Platform: growth traits and tree-level environmental data in 12 European forest tree species. GigaScience, 2021, 10, .	6.4	3
64	Case Study Carinthia / Slovenia â€“ Productive Forests Affected by Climate Change. , 0, , .		2
65	Early Performance of Tree Species in a Mountain Reforestation Experiment. Forests, 2021, 12, 256.	2.1	2
66	Looking for the needle in a downsized haystack: Wholeâ€exome sequencing unravels genomic signals of climatic adaptation in Douglasâ€fir (Pseudotsuga menziesii). Ecology and Evolution, 2021, 11, 8238-8253.	1.9	2
67	Genetic Diversity of Pedunculate Oak (Quercus robur L.) in Clonal Seed Orchards in Croatia, Assessed by Nuclear and Chloroplast Microsatellites. South-East European Forestry, 2018, 9, .	0.4	2
68	Advances in understanding Norway spruce natural resistance to needle bladder rust infection: transcriptional and secondary metabolites profiling. BMC Genomics, 2022, 23, .	2.8	2
69	Northâ€south population subdivision of Juniperus seravschanica in Kyrgyzstan revealed through novel plastid DNA markers. Journal of Systematics and Evolution, 2012, 50, 411-421.	3.1	1
70	Management Strategies to Adapt Alpine Space Forests to Climate Change Risks â€“ An Introduction to the Manfred Project. , 2013, , .		1
71	Continuous Parameterization of Leaf Area Index and Phenological Phases Within Deciduous Forests Based on Temperature Measurements. Frontiers in Forests and Global Change, 2021, 4, .	2.3	1
72	Peer review report 1 on â€œGeographical patterns in the radial growth response of Norway spruce provenances to climatic variationâ€. Agricultural and Forest Meteorology, 2016, 217, 161-162.	4.8	0

#	Article	IF	Citations
73	An episodic event of pollen transport of European beech. Advances in Science and Research, 2010, 4, 1-3.	1.0	0
74	Dynamische Generhaltung in Europas WÃldern: PaneuropÃische Konzepte nehmen Gestalt an. Schweizerische Zeitschrift Fur Forstwesen, 2016, 167, 325-332.	0.1	0