

Du?an GÃ¶mÃ¶ry

List of Publications by Year in descending order

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112
papers

3,325
citations

186254

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115
docs citations

115
times ranked

4034
citing authors

#	ARTICLE	IF	CITATIONS
1	A new scenario for the Quaternary history of European beech populations: palaeobotanical evidence and genetic consequences. <i>New Phytologist</i> , 2006, 171, 199-221.	7.3	757
2	Diverging Trends Between Heterozygosity and Allelic Richness During Postglacial Colonization in the European Beech. <i>Genetics</i> , 2001, 157, 389-397.	2.9	345
3	Genotypic variability and phenotypic plasticity of cavitation resistance in <i>Fagus sylvatica</i> L. across Europe. <i>Tree Physiology</i> , 2011, 31, 1175-1182.	3.1	159
4	Postglacial range expansion and its genetic imprints in <i>Abies alba</i> (Mill.) – A synthesis from palaeobotanic and genetic data. <i>Review of Palaeobotany and Palynology</i> , 2009, 153, 139-149.	1.5	144
5	Trade-off between height growth and spring flushing in common beech (<i>Fagus sylvatica</i> L.). <i>Annals of Forest Science</i> , 2011, 68, 975-984.	2.0	75
6	Genetic differentiation and phylogeny of beech on the Balkan peninsula. <i>Journal of Evolutionary Biology</i> , 1999, 12, 746-754.	1.7	65
7	Altitude of origin influences the responses of PSII photochemistry to heat waves in European beech (<i>Fagus sylvatica</i> L.). <i>Environmental and Experimental Botany</i> , 2018, 152, 97-106.	4.2	61
8	Chloroplast DNA variation of white oaks in northern Balkans and in the Carpathian Basin. <i>Forest Ecology and Management</i> , 2002, 156, 197-209.	3.2	60
9	Genetic differentiation of oak populations within the <i>Quercus robur</i> / <i>Quercus petraea</i> complex in Central and Eastern Europe. <i>Heredity</i> , 2001, 86, 557-563.	2.6	58
10	Chilling and forcing requirements for foliage bud burst of European beech (<i>Fagus sylvatica</i> L.) differ between provenances and are phenotypically plastic. <i>Agricultural and Forest Meteorology</i> , 2017, 234-235, 172-181.	4.8	57
11	A Reference Genome Sequence for the European Silver Fir (<i>Abies alba</i> Mill.): A Community-Generated Genomic Resource. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2039-2049.	1.8	53
12	Effect of stand origin on the genetic diversity of Norway spruce (<i>Picea abies</i> Karst.) populations. <i>Forest Ecology and Management</i> , 1992, 54, 215-223.	3.2	52
13	Seed rain and environmental controls on invasion of <i>Picea abies</i> into grassland. <i>Plant Ecology</i> , 2007, 194, 135-148.	1.6	50
14	Soil microbial community response to variation in vegetation and abiotic environment in a temperate old-growth forest. <i>Applied Soil Ecology</i> , 2013, 68, 10-19.	4.3	41
15	Effects of postglacial phylogeny and genetic diversity on the growth variability and climate sensitivity of European silver fir. <i>Journal of Ecology</i> , 2016, 104, 716-724.	4.0	40
16	Genetic structure of a rare European conifer, Serbian spruce (<i>Picea omorika</i> (Pančić) Purk.). <i>Plant Systematics and Evolution</i> , 2006, 260, 53-63.	0.9	38
17	Long-term cryopreservation of Greek fir embryogenic cell lines: Recovery, maturation and genetic fidelity. <i>Cryobiology</i> , 2011, 63, 17-25.	0.7	38
18	Changes of the functional diversity of soil microbial community during the colonization of abandoned grassland by a forest. <i>Applied Soil Ecology</i> , 2009, 43, 191-199.	4.3	36

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19	Genetic variation in Tertiary relics: The case of eastern-Mediterranean <i>Abies</i> (Pinaceae). <i>Ecology and Evolution</i> , 2017, 7, 10018-10030.	1.9	36
20	Fertility variation and flowering asynchrony in <i>Pinus sylvestris</i> : consequences for the genetic structure of progeny in seed orchards. <i>Forest Ecology and Management</i> , 2003, 174, 117-126.	3.2	35
21	Admixture of genetic lineages of different glacial origin: a case study of <i>Abies alba</i> Mill. in the Carpathians. <i>Plant Systematics and Evolution</i> , 2012, 298, 703-712.	0.9	35
22	Phenotypic trait variation measured on European genetic trials of <i>Fagus sylvatica</i> L. <i>Scientific Data</i> , 2018, 5, 180149.	5.3	35
23	Differentiation in phenological and physiological traits in European beech (<i>Fagus sylvatica</i> L.). <i>European Journal of Forest Research</i> , 2015, 134, 1075-1085.	2.5	34
24	Juvenile growth response of European beech (<i>Fagus sylvatica</i> L.) to sudden change of climatic environment in SE European trials. <i>IForest</i> , 2009, 2, 213-220.	1.4	34
25	Effect of sucrose concentration, polyethylene glycol and activated charcoal on maturation and regeneration of <i>Abies cephalonica</i> somatic embryos. <i>Plant Cell, Tissue and Organ Culture</i> , 2009, 96, 251-262.	2.3	31
26	Soil microbial characteristics at the monitoring plots on windthrow areas of the Tatra National Park (Slovakia): their assessment as environmental indicators. <i>Environmental Monitoring and Assessment</i> , 2011, 174, 31-45.	2.7	31
27	Revisiting tree-migration rates: <i>Abies alba</i> (Mill.), a case study. <i>Vegetation History and Archaeobotany</i> , 2014, 23, 113-122.	2.1	30
28	Adaptation to common optimum in different populations of Norway spruce (<i>Picea abies</i> Karst.). <i>European Journal of Forest Research</i> , 2012, 131, 401-411.	2.5	29
29	Patterns of allozyme variation in western Eurasian <i>Fagus</i> . <i>Botanical Journal of the Linnean Society</i> , 2007, 154, 165-174.	1.6	28
30	Variation patterns of mitochondrial DNA of <i>Abies alba</i> Mill. in suture zones of postglacial migration in Europe. <i>Acta Societatis Botanicorum Poloniae</i> , 2011, 73, 203-206.	0.8	28
31	The impact of windthrow and fire disturbances on selected soil properties in the Tatra National Park. <i>Soil and Water Research</i> , 2008, 3, S74-S80.	1.7	25
32	Artificial hybridization of some <i>Abies</i> species. <i>Plant Systematics and Evolution</i> , 2013, 299, 1175-1184.	0.9	24
33	Natural hybridization in eastern-Mediterranean firs: The case of <i>Abies borisii-regis</i> . <i>Plant Biosystems</i> , 2016, 150, 1189-1199.	1.6	24
34	Spatial patterns of soil microbial characteristics and soil moisture in a natural beech forest. <i>Biologia (Poland)</i> , 2006, 61, S329-S333.	1.5	22
35	Species Richness Pattern along Altitudinal Gradient in Central European Beech Forests. <i>Folia Geobotanica</i> , 2014, 49, 425-441.	0.9	22
36	Somatic embryogenesis in Greek fir. <i>Canadian Journal of Forest Research</i> , 2008, 38, 760-769.	1.7	21

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37	Responses of soil microorganisms and water content in forest floor horizons to environmental factors. <i>European Journal of Soil Biology</i> , 2013, 55, 71-76.	3.2	21
38	Initiation, long-term cryopreservation, and recovery of <i>Abies alba</i> Mill. embryogenic cell lines. In <i>Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 560-571.	2.1	20
39	Selection effects of air pollution on gene pools of Norway spruce, European silver fir and European beech. <i>Environmental Pollution</i> , 2001, 115, 405-411.	7.5	19
40	Reticulate evolution patterns in western-Eurasian beeches. <i>Botanica Helvetica</i> , 2010, 120, 63-74.	1.1	19
41	The soil hydrogel improved photosynthetic performance of beech seedlings treated under drought. <i>Plant, Soil and Environment</i> , 2013, 59, 446-451.	2.2	19
42	Do Cupins Have a Function Beyond Being Seed Storage Proteins?. <i>Frontiers in Plant Science</i> , 2015, 6, 1215.	3.6	19
43	Differences in photochemistry and response to heat stress between silver fir (<i>Abies alba</i> Mill.) provenances. <i>Trees - Structure and Function</i> , 2018, 32, 73-86.	1.9	19
44	Phylogeny of beech in western Eurasia as inferred by approximate Bayesian computation. <i>Acta Societatis Botanicorum Poloniae</i> , 2018, 87, .	0.8	19
45	Interannual adjustments in stomatal and leaf morphological traits of European beech (<i>Fagus sylvatica</i> L.). <i>Tree Physiology</i> , 2019, 39, 1287-1296.	3.8	19
46	Genetic effects of air pollution on forest tree species of the Carpathian Mountains. <i>Environmental Pollution</i> , 2004, 130, 85-92.	7.5	18
47	Development of physico-chemical and biological soil properties on the European ground squirrel mounds. <i>Geoderma</i> , 2019, 339, 85-93.	5.1	18
48	Effect of alginite amendment on microbial activity and soil water content in forest soils. <i>Biologia (Poland)</i> , 2009, 64, 585-588.	1.5	17
49	Delineation of seed zones for European beech (<i>Fagus sylvatica</i> L.) in the Czech Republic based on isozyme gene markers. <i>Annales Des Sciences ForestiÃˆres</i> , 1998, 55, 425-436.	1.2	16
50	Markedly Divergent Tree Assemblage Responses to Tropical Forest Loss and Fragmentation across a Strong Seasonality Gradient. <i>PLoS ONE</i> , 2015, 10, e0136018.	2.5	16
51	Memory effects associated with early-growth environment in Norway spruce and European larch. <i>European Journal of Forest Research</i> , 2015, 134, 89-97.	2.5	16
52	Variation in the performance and thermostability of photosystem II in European beech (<i>Fagus sylvatica</i> L.). <i>Tree Physiology</i> , 2019, 39, 79-92.	2.5	16
53	Nucleotide polymorphisms associated with climate, phenology and physiological traits in European beech (<i>Fagus sylvatica</i> L.). <i>New Forests</i> , 2017, 48, 463-477.	1.7	15
54	Origin and genetic differentiation of pink-flowered <i>Sorbus</i> hybrids in the Western Carpathians. <i>Annals of Botany</i> , 2017, 120, 271-284.	2.9	15

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55	The Balkans: a genetic hotspot but not a universal colonization source for trees. <i>Plant Systematics and Evolution</i> , 2020, 306, 1.	0.9	15
56	Extent of nuclear genome sharing among white oak species (<i>Quercus</i> L. subgen. <i>Lepidobalanus</i> (Endl.)) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i>	0.9	14
57	Field-based artificial crossings indicate partial compatibility of reciprocal crosses between <i>Pinus sylvestris</i> and <i>Pinus mugo</i> and unexpected chloroplast DNA inheritance. <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	1.6	14
58	Across-species patterns of genetic variation in forest trees of Central Europe. <i>Biodiversity and Conservation</i> , 2010, 19, 2025-2038.	2.6	13
59	Maternal inheritance of chloroplast DNA in <i>Pinus mugo</i> Turra: a case study of <i>Pinus mugo</i> — <i>Pinus sylvestris</i> crossing. <i>Plant Systematics and Evolution</i> , 2018, 304, 71-76.	0.9	13
60	Spontaneous Hybridization between <i>Pinus sylvestris</i> L. and <i>P. mugo</i> Turra in Slovakia. <i>Silvae Genetica</i> , 2008, 57, 76-82.	0.8	13
61	Assisted migration vs. close-to-nature forestry: what are the prospects for tree populations under climate change?. <i>LesnÄcky ÄEasopis</i> , 2020, 66, 63-70.	0.8	13
62	Spatial and microgeographical genetic differentiation of black alder (<i>Alnus glutinosa</i> Gaertn.) populations. <i>Forest Ecology and Management</i> , 2002, 160, 3-9.	3.2	11
63	Genetic differentiation of <i>Sorbus torminalis</i> in Eastern Europe as determined by microsatellite markers. <i>Biologia (Poland)</i> , 2010, 65, 817-821.	1.5	11
64	Patterns of grassland invasions by trees: insights from demographic and genetic spatial analyses. <i>Journal of Plant Ecology</i> , 2015, 8, 468-479.	2.3	10
65	Adaptive variation in physiological traits of beech provenances in Central Europe. <i>IForest</i> , 2018, 11, 24-31.	1.4	10
66	Soil microorganisms at the windthrow plots: the effect of post-disturbance management and the time since disturbance. <i>IForest</i> , 2017, 10, 515-521.	1.4	10
67	Effects of microsite variation on growth and adaptive traits in a beech provenance trial. <i>Journal of Forest Science</i> , 2011, 57, 192-199.	1.1	9
68	Nucleotide polymorphisms related to altitude and physiological traits in contrasting provenances of Norway spruce (<i>Picea abies</i>). <i>Biologia (Poland)</i> , 2012, 67, 909-916.	1.5	9
69	Changes of Chemical and Biological Properties of Distinct Forest Floor Layers after Wood Ash Application in a Norway Spruce Stand. <i>Forests</i> , 2016, 7, 108.	2.1	9
70	Responses of soil microorganisms to land use in different soil types along the soil profiles. <i>Soil and Water Research</i> , 2020, 15, 125-134.	1.7	9
71	Effect of site altitude on the growth and survival of Norway spruce (<i>Picea abies</i> L.) provenances on the Slovak plots of IUFRO experiment 1972. <i>Journal of Forest Science</i> , 2002, 48, 16-26.	1.1	8
72	Photosynthetic performance of silver fir (<i>Abies alba</i>) of different origins under suboptimal growing conditions. <i>Functional Plant Biology</i> , 2020, 47, 1007.	2.1	8

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73	Relationships between environmental factors and height growth and yield of Norway spruce stands: a factor-analytic approach. <i>Forestry</i> , 1995, 68, 145-152.	2.3	7
74	Forest ecosystem genomics and adaptation: EVOLTREE conference report. <i>Tree Genetics and Genomes</i> , 2011, 7, 869-875.	1.6	7
75	Soil microbial community responses to windthrow disturbance in Tatra National Park (Slovakia) during the period 2006 – 2013 / Odozva pŕírodného mikrobiálneho spoločenstva na veterné kalamitu v Tatranskom národnom parku (Slovensko) v období-rokov 2006–2013. <i>Lesnícky časopis</i> , 2014, 60, .	0.8	7
76	Epigenetic memory effects in forest trees: a victory of “Michurinian biology”. <i>Central European Forestry Journal</i> , 2017, 63, 173-179.	0.8	7
77	Seasonal dynamics of macrophyte abundance in two regulated streams. <i>Open Life Sciences</i> , 2009, 4, 241-249.	1.4	6
78	Norway Spruce (<i>Picea abies</i> [L.] Karst.) Provenance Variation in Autumn Cold Hardiness: Adaptation or Acclimation?. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2010, 52, .	0.5	6
79	Allozyme and phenotypic variation in beech (<i>Fagus sylvatica</i> L.): Are there any links?. <i>Plant Biosystems</i> , 2013, 147, 265-271.	1.6	6
80	Variation of cytosine methylation patterns in European beech (<i>Fagus sylvatica</i> L.). <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	1.6	6
81	Nucleotide polymorphisms associated with climate and physiological traits in silver fir (<i>Abies alba</i>) Tj ETQq1 1 0.784314 rgBT 6/Overlo	1.2	6
82	Special issue in honour of Prof. Reto J. Strasser – Origin rather than mild drought stress influenced chlorophyll a fluorescence in contrasting silver fir (<i>Abies alba</i> Mill.) provenances. <i>Photosynthetica</i> , 2020, 58, 549-559.	1.7	6
83	Abortive embryogenesis in hybrid swarm populations of <i>Pinus sylvestris</i> L. and <i>Pinus mugo</i> Turra. <i>Trees - Structure and Function</i> , 2008, 22, 657-662.	1.9	5
84	Growth response of European larch (<i>Larix decidua</i> Mill.) populations to climatic transfer A Novel Approach for Controlled Pollination in <i>Casuarina equisetifolia</i> . <i>Silvae Genetica</i> , 2014, 63, 67-75.	0.8	5
85	Longevity and germination of <i>Juniperus communis</i> L. pollen after storage. <i>Scientific Reports</i> , 2021, 11, 12755.	3.3	5
86	Spatial structure of a natural mixed topodeme of subalpine <i>Sorbus taxa</i> . <i>Acta Societatis Botanicorum Poloniae</i> , 2011, 77, 305-311.	0.8	5
87	Effects of different ectomycorrhizal fungi on somatic embryogenesis of <i>Abies cephalonica</i> Loud. <i>Plant Cell, Tissue and Organ Culture</i> , 2012, 109, 353-361.	2.3	4
88	Effects of cadmium and lead stress on somatic embryogenesis of coniferous species. Part I: Evaluation of the genotype-dependent response. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	4
89	Antioxidant enzyme activity in <i>Pinus mugo</i> Turra, <i>P. sylvestris</i> L. and in their putative hybrids. <i>Biologia (Poland)</i> , 2019, 74, 631-638.	1.5	4
90	Variation in leaf anatomy, vascular traits and nanomechanical cell-wall properties among European beech (<i>Fagus sylvatica</i> L.) provenances. <i>Annals of Forest Science</i> , 2020, 77, 1.	2.0	4

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91	Responses of Soil Microbial Activity and Functional Diversity to Disturbance Events in the Tatra National Park (Slovakia). , 2009, , 251-259.		4
92	Effective population size estimation in seed orchards: A case study of <i>Pinus nigra</i> ARNOLD and <i>Fraxinus excelsior</i> L./ <i>F. angustifolia</i> VAHL.. <i>Genetika</i> , 2013, 45, 575-588.	0.4	4
93	Reinforced evidence on partial compatibility between <i>Pinus sylvestris</i> and <i>Pinus mugo</i> and on maternal inheritance of chloroplast DNA in the <i>Pinus mugo</i> Å— <i>Pinus sylvestris</i> cross. <i>Silvae Genetica</i> , 2020, 69, 108-115.	0.8	4
94	Environmental effects on species richness of macrophytes in Slovak streams. <i>Open Life Sciences</i> , 2012, 7, 1030-1036.	1.4	3
95	Changes in ATP, glucose-6-phosphate and NAD(P)H cellular levels during the proliferation and maturation phases of <i>Abies alba</i> Mill. embryogenic cultures. <i>Tree Physiology</i> , 2013, 33, 1099-1110.	3.1	3
96	Genetic status of the putative hybrid swarms of mountain dwarf pine and Scots pine in contact zones of their distribution in Slovakia. <i>Biologia (Poland)</i> , 2015, 70, 1318-1325.	1.5	3
97	Small genome size variation across the range of European beech (<i>Fagus sylvatica</i>). <i>Plant Systematics and Evolution</i> , 2018, 304, 577-582.	0.9	3
98	Effect of storage on pollen viability in <i>Pinus sylvestris</i> L., <i>Pinus mugo</i> Turra and their hybrid swarms. <i>Dendrobiology</i> , 0, 82, 43-51.	0.6	3
99	Gene exchange across a postglacial contact zone in <i>Fraxinus excelsior</i> L.. <i>Silvae Genetica</i> , 2012, 61, 18-27.	0.8	3
100	Biotechnology Tools for Conservation of the Biodiversity of European and Mediterranean <i>Abies</i> Species. <i>Sustainable Development and Biodiversity</i> , 2014, , 287-310.	1.7	3
101	Inheritance and Linkage of Allozymes in a Balkan Endemic, <i>Pinus peuce</i> Griseb.. , 2002, 93, 60-63.		2
102	Spatial genotypical diversity of <i>Sesleria albicans</i> (Poaceae) in a dry grassland community. <i>Biologia (Poland)</i> , 2007, 62, 670-674.	1.5	2
103	Seed quality in hybrid swarm populations of <i>Pinus mugo</i> Turra and <i>P. sylvestris</i> L.. <i>Plant Systematics and Evolution</i> , 2009, 277, 245-250.	0.9	2
104	Genetic variation of a widespread subdominant tree species (<i>Acer campestre</i> L.) in Bosnia and Herzegovina. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	1.6	2
105	From allozymes to NGS: population genetics of forest trees in Slovakia in the past 40 years. <i>Biologia (Poland)</i> , 2021, 76, 2043-2050.	1.5	2
106	Hybridization Processes in Putative Hybrid Swarms of Scots Pine and Mountain Dwarf Pine as Revealed by Chloroplast DNA. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2015, 56, 61-66.	0.5	2
107	Interspecific differentiation and gene exchange among the Slovak <i>Quercus</i> sect. <i>Quercus</i> populations. <i>Dendrobiology</i> , 0, 83, 20-29.	0.6	2
108	VoÅ¾ba lesnÄ©ho reprodukÄ©ho materiÄ©lu v podmienkach klimatickej zmeny / Choice of forest reproductive material under conditions of climate change. <i>LesnÄ©ky Ä©asopis</i> , 2015, 61, 124-130.	0.8	1

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109	Growth characteristics and needle structure in some interspecific hybrids of <i>Abies cephalonica</i> Loud. <i>Dendrobiology</i> , 0, 73, 47-53.	0.6	1
110	Pollen fertility and seed viability of putative hybrid swarms of <i>Pinus sylvestris</i> and <i>Pinus mugo</i> in Slovakia. <i>Silvae Genetica</i> , 2019, 68, 14-21.	0.8	1
111	Molecular Insight into Genetic Structure and Diversity of Putative Hybrid Swarms of <i>Pinus sylvestris</i> Ā– <i>P. mugo</i> in Slovakia. <i>Forests</i> , 2022, 13, 205.	2.1	0
112	Differential Effects of Tree Species on Soil Microbiota 45 Years after Afforestation of Former Pastures. <i>Diversity</i> , 2022, 14, 515.	1.7	0