

Du?an GÃ¶mÃ¶ry

List of Publications by Year in descending order

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112
papers

3,325
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212478

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115
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times ranked

4486
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.9	0
2	Interannual adjustments in stomatal and leaf morphological traits of European beech (<i>Fagus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7 1287-1296.	1.8	19
3	Differential Effects of Tree Species on Soil Microbiota 45 Years after Afforestation of Former Pastures. <i>Diversity</i> , 2022, 14, 515.	0.7	0
4	From allozymes to NGS: population genetics of forest trees in Slovakia in the past 40 years. <i>Biologia (Poland)</i> , 2021, 76, 2043-2050.	0.8	2
5	Longevity and germination of <i>Juniperus communis</i> L. pollen after storage. <i>Scientific Reports</i> , 2021, 11, 12755.	1.6	5
6	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.	0.6	2
7	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.	0.8	4
8	Photosynthetic performance of silver fir (<i>Abies alba</i>) of different origins under suboptimal growing conditions. <i>Functional Plant Biology</i> , 2020, 47, 1007.	1.1	8
9	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.	0.7	9
10	The Balkans: a genetic hotspot but not a universal colonization source for trees. <i>Plant Systematics and Evolution</i> , 2020, 306, 1.	0.3	15
11	Assisted migration vs. close-to-nature forestry: what are the prospects for tree populations under climate change?. <i>LesnĀcky ĀĆeasopis</i> , 2020, 66, 63-70.	0.8	13
12	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> Ā– <i>Pinus sylvestris</i> cross. <i>Silvae Genetica</i> , 2020, 69, 108-115.	0.4	4
13	Special issue in honour of Prof. Reto J. StrasserĀĀOrigin 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.	0.9	6
14	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.	0.8	53
15	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.	0.8	4
16	Nucleotide polymorphisms associated with climate and physiological traits in silver fir (<i>Abies alba</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 0.6	0.6	6
17	Development of physico-chemical and biological soil properties on the European ground squirrel mounds. <i>Geoderma</i> , 2019, 339, 85-93.	2.3	18
18	Variation in the performance and thermostability of photosystem II in European beech (<i>Fagus sylvatica</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Research, 2019, 138, 79-92.	1.1	16

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19	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.	0.4	1
20	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.	2.0	61
21	Small genome size variation across the range of European beech (<i>Fagus sylvatica</i>). <i>Plant Systematics and Evolution</i> , 2018, 304, 577-582.	0.3	3
22	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.	0.3	13
23	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.	0.9	19
24	Phenotypic trait variation measured on European genetic trials of <i>Fagus sylvatica</i> L. <i>Scientific Data</i> , 2018, 5, 180149.	2.4	35
25	Adaptive variation in physiological traits of beech provenances in Central Europe. <i>IForest</i> , 2018, 11, 24-31.	0.5	10
26	Phylogeny of beech in western Eurasia as inferred by approximate Bayesian computation. <i>Acta Societatis Botanicorum Poloniae</i> , 2018, 87, .	0.8	19
27	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.	1.9	57
28	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.	0.7	15
29	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.	0.6	14
30	Origin and genetic differentiation of pink-flowered <i>Sorbus</i> hybrids in the Western Carpathians. <i>Annals of Botany</i> , 2017, 120, 271-284.	1.4	15
31	Variation of cytosine methylation patterns in European beech (<i>Fagus sylvatica</i> L.). <i>Tree Genetics and Genomes</i> , 2017, 13, 1.	0.6	6
32	Genetic variation in Tertiary relics: The case of eastern Mediterranean <i>Abies</i> (<i>Pinaceae</i>). <i>Ecology and Evolution</i> , 2017, 7, 10018-10030.	0.8	36
33	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.	1.0	4
34	Epigenetic memory effects in forest trees: a victory of "Michurinian biology". <i>Central European Forestry Journal</i> , 2017, 63, 173-179.	0.2	7
35	Soil microorganisms at the windthrow plots: the effect of post-disturbance management and the time since disturbance. <i>IForest</i> , 2017, 10, 515-521.	0.5	10
36	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.	0.9	9

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37	Effects of post-glacial phylogeny and genetic diversity on the growth variability and climate sensitivity of European silver fir. <i>Journal of Ecology</i> , 2016, 104, 716-724.	1.9	40
38	Natural hybridization in eastern-Mediterranean firs: The case of <i>Abies borisii-regis</i> . <i>Plant Biosystems</i> , 2016, 150, 1189-1199.	0.8	24
39	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.	0.8	3
40	Voľba lesného reprodukčného materiálu v podmienkach klimatickej zmeny / Choice of forest reproductive material under conditions of climate change. <i>Lesnícky časopis</i> , 2015, 61, 124-130.	0.8	1
41	Markedly Divergent Tree Assemblage Responses to Tropical Forest Loss and Fragmentation across a Strong Seasonality Gradient. <i>PLoS ONE</i> , 2015, 10, e0136018.	1.1	16
42	Memory effects associated with early-growth environment in Norway spruce and European larch. <i>European Journal of Forest Research</i> , 2015, 134, 89-97.	1.1	16
43	Patterns of grassland invasions by trees: insights from demographic and genetic spatial analyses. <i>Journal of Plant Ecology</i> , 2015, 8, 468-479.	1.2	10
44	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.	1.1	34
45	Do Cupins Have a Function Beyond Being Seed Storage Proteins?. <i>Frontiers in Plant Science</i> , 2015, 6, 1215.	1.7	19
46	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
47	Revisiting tree-migration rates: <i>Abies alba</i> (Mill.), a case study. <i>Vegetation History and Archaeobotany</i> , 2014, 23, 113-122.	1.0	30
48	Species Richness Pattern along Altitudinal Gradient in Central European Beech Forests. <i>Folia Geobotanica</i> , 2014, 49, 425-441.	0.4	22
49	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.	0.4	5
50	Soil microbial community responses to windthrow disturbance in Tatra National Park (Slovakia) during the period 2006 – 2013 / Odozva pôdneho mikrobiálneho spoločenstva na veternú kalamitu v Tatranskom národnom parku (Slovensko) v období rokov 2006 – 2013. <i>Lesnícky časopis</i> , 2014, 60, .	0.8	7
51	Biotechnology Tools for Conservation of the Biodiversity of European and Mediterranean <i>Abies</i> Species. <i>Sustainable Development and Biodiversity</i> , 2014, , 287-310.	1.4	3
52	Artificial hybridization of some <i>Abies</i> species. <i>Plant Systematics and Evolution</i> , 2013, 299, 1175-1184.	0.3	24
53	Initiation, long-term cryopreservation, and recovery of <i>Abies alba</i> Mill. embryogenic cell lines. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2013, 49, 560-571.	0.9	20
54	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.	1.4	21

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55	Allozyme and phenotypic variation in beech (<i>Fagus sylvatica</i> L.): Are there any links?. <i>Plant Biosystems</i> , 2013, 147, 265-271.	0.8	6
56	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.	2.1	41
57	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.	1.4	3
58	The soil hydrogel improved photosynthetic performance of beech seedlings treated under drought. <i>Plant, Soil and Environment</i> , 2013, 59, 446-451.	1.0	19
59	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.	0.1	4
60	Environmental effects on species richness of macrophytes in Slovak streams. <i>Open Life Sciences</i> , 2012, 7, 1030-1036.	0.6	3
61	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.	0.8	9
62	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.	1.2	4
63	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.	0.3	35
64	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.	1.1	29
65	Gene exchange across a postglacial contact zone in <i>Fraxinus excelsior</i> L.. <i>Silvae Genetica</i> , 2012, 61, 18-27.	0.4	3
66	Long-term cryopreservation of Greek fir embryogenic cell lines: Recovery, maturation and genetic fidelity. <i>Cryobiology</i> , 2011, 63, 17-25.	0.3	38
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.	0.5	9
68	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.	1.3	31
69	Forest ecosystem genomics and adaptation: EVOLTREE conference report. <i>Tree Genetics and Genomes</i> , 2011, 7, 869-875.	0.6	7
70	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.	0.8	75
71	Genotypic variability and phenotypic plasticity of cavitation resistance in <i>Fagus sylvatica</i> L. across Europe. <i>Tree Physiology</i> , 2011, 31, 1175-1182.	1.4	159
72	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

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73	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
74	Genetic differentiation of <i>Sorbus torminalis</i> in Eastern Europe as determined by microsatellite markers. <i>Biologia (Poland)</i> , 2010, 65, 817-821.	0.8	11
75	Reticulate evolution patterns in western-Eurasian beeches. <i>Botanica Helvetica</i> , 2010, 120, 63-74.	1.1	19
76	Across-species patterns of genetic variation in forest trees of Central Europe. <i>Biodiversity and Conservation</i> , 2010, 19, 2025-2038.	1.2	13
77	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
78	Postglacial range expansion and its genetic imprints in <i>Abies alba</i> (Mill.) â€™ A synthesis from palaeobotanic and genetic data. <i>Review of Palaeobotany and Palynology</i> , 2009, 153, 139-149.	0.8	144
79	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.	0.3	2
80	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.	1.2	31
81	Seasonal dynamics of macrophyte abundance in two regulated streams. <i>Open Life Sciences</i> , 2009, 4, 241-249.	0.6	6
82	Effect of alginite amendment on microbial activity and soil water content in forest soils. <i>Biologia (Poland)</i> , 2009, 64, 585-588.	0.8	17
83	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.	2.1	36
84	Responses of Soil Microbial Activity and Functional Diversity to Disturbance Events in the Tatra National Park (Slovakia). , 2009, , 251-259.		4
85	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.	0.5	34
86	Abortive embryogenesis in hybrid swarm populations of <i>Pinus sylvestris</i> L. and <i>Pinus muga</i> Turra. <i>Trees - Structure and Function</i> , 2008, 22, 657-662.	0.9	5
87	Somatic embryogenesis in Greek fir. <i>Canadian Journal of Forest Research</i> , 2008, 38, 760-769.	0.8	21
88	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.	0.7	25
89	Spontaneous Hybridization between <i>Pinus sylvestris</i> L. and <i>P. mugo</i> Turra in Slovakia. <i>Silvae Genetica</i> , 2008, 57, 76-82.	0.4	13
90	Patterns of allozyme variation in western Eurasian <i>Fagus</i> . <i>Botanical Journal of the Linnean Society</i> , 2007, 154, 165-174.	0.8	28

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91	Spatial genotypical diversity of <i>Sesleria albicans</i> (Poaceae) in a dry grassland community. <i>Biologia</i> (Poland), 2007, 62, 670-674.	0.8	2
92	Seed rain and environmental controls on invasion of <i>Picea abies</i> into grassland. <i>Plant Ecology</i> , 2007, 194, 135-148.	0.7	50
93	Extent of nuclear genome sharing among white oak species (<i>Quercus</i> L. subgen. <i>Lepidobalanus</i> (Endl.) Tj ETQq1 1 0.784314 rgBT/O	0.3	14
94	A new scenario for the Quaternary history of European beech populations: palaeobotanical evidence and genetic consequences. <i>New Phytologist</i> , 2006, 171, 199-221.	3.5	757
95	Spatial patterns of soil microbial characteristics and soil moisture in a natural beech forest. <i>Biologia</i> (Poland), 2006, 61, S329-S333.	0.8	22
96	Genetic structure of a rare European conifer, Serbian spruce (<i>Picea omorika</i> (PanÄ*) Purk.). <i>Plant Systematics and Evolution</i> , 2006, 260, 53-63.	0.3	38
97	Genetic effects of air pollution on forest tree species of the Carpathian Mountains. <i>Environmental Pollution</i> , 2004, 130, 85-92.	3.7	18
98	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.	1.4	35
99	Inheritance and Linkage of Allozymes in a Balkan Endemic, <i>Pinus peuce</i> Griseb.. , 2002, 93, 60-63.		2
100	Spatial and microgeographical genetic differentiation of black alder (<i>Alnus glutinosa</i> Gaertn.) populations. <i>Forest Ecology and Management</i> , 2002, 160, 3-9.	1.4	11
101	Chloroplast DNA variation of white oaks in northern Balkans and in the Carpathian Basin. <i>Forest Ecology and Management</i> , 2002, 156, 197-209.	1.4	60
102	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.	0.5	8
103	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.	3.7	19
104	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.	1.2	58
105	Diverging Trends Between Heterozygosity and Allelic Richness During Postglacial Colonization in the European Beech. <i>Genetics</i> , 2001, 157, 389-397.	1.2	345
106	Genetic differentiation and phylogeny of beech on the Balkan peninsula. <i>Journal of Evolutionary Biology</i> , 1999, 12, 746-754.	0.8	65
107	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 ForestiÄres</i> , 1998, 55, 425-436.	1.1	16
108	Relationships between environmental factors and height growth and yield of Norway spruce stands: a factor-analytic approach. <i>Forestry</i> , 1995, 68, 145-152.	1.2	7

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109	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.	1.4	52
110	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
111	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
112	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