

Witold M Wachowiak

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,160
citations

394421

19
h-index

434195

31
g-index

55
all docs

55
docs citations

55
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolutionary targets of gene expression divergence in a complex of closely related pine species. <i>Journal of Systematics and Evolution</i> , 2023, 61, 198-212.	3.1	1
2	Taming the massive genome of Scots pine with PiSy50k, a new genotyping array for conifer research. <i>Plant Journal</i> , 2022, 109, 1337-1350.	5.7	13
3	Identifying and testing marker-trait associations for growth and phenology in three pine species: Implications for genomic prediction. <i>Evolutionary Applications</i> , 2022, 15, 330-348.	3.1	4
4	Admixture and selection patterns across the European distribution of Scots pine, <i>Pinus sylvestris</i> (Pinaceae). <i>Botanical Journal of the Linnean Society</i> , 2022, 200, 416-432.	1.6	5
5	Molecular and paleoclimatic data uncover the impact of an ancient bottleneck on the demographic history and contemporary genetic structure of endangered <i>Pinus uliginosa</i> . <i>Journal of Systematics and Evolution</i> , 2021, 59, 596-610.	3.1	8
6	Candidate Genes for the High-Altitude Adaptations of Two Mountain Pine Taxa. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3477.	4.1	4
7	Molecular Signatures of Reticulate Evolution within the Complex of European Pine Taxa. <i>Forests</i> , 2021, 12, 489.	2.1	1
8	Low effective population size and high spatial genetic structure of black poplar populations from the Oder valley in Poland. <i>Annals of Forest Science</i> , 2021, 78, 1.	2.0	1
9	Hybridization and introgression of native and foreign <i>Sorbus</i> tree species in unique environments of protected mountainous areas. <i>AoB PLANTS</i> , 2021, 13, plaa070.	2.3	3
10	Population history of European mountain pines <i>Pinus mugo</i> and <i>Pinus uncinata</i> revealed by mitochondrial DNA markers. <i>Journal of Systematics and Evolution</i> , 2020, 58, 474-486.	3.1	11
11	Genetic Consequences of Hybridization in Relict Isolated Trees <i>Pinus sylvestris</i> and the <i>Pinus mugo</i> Complex. <i>Forests</i> , 2020, 11, 1086.	2.1	8
12	Development of a single nucleotide polymorphism array for population genomic studies in four European pine species. <i>Molecular Ecology Resources</i> , 2020, 20, 1697-1705.	4.8	25
13	The genetic assessment of the natural regeneration capacities of black poplar populations in the modern river valley landscapes. <i>Forest Ecology and Management</i> , 2019, 448, 150-159.	3.2	2
14	Patterns of mtDNA variation reveal complex evolutionary history of relict and endangered peat bog pine (<i>Pinus uliginosa</i>). <i>AoB PLANTS</i> , 2019, 11, plz015.	2.3	8
15	Heterogeneous patterns of genetic variation at nuclear genes and quantitative traits in a Scots pine provenance trial. <i>Acta Societatis Botanicorum Poloniae</i> , 2019, 88, .	0.8	2
16	Genetic variation in <i>Taxus baccata</i> L.: A case study supporting Poland's protection and restoration program. <i>Forest Ecology and Management</i> , 2018, 409, 148-160.	3.2	22
17	Early phenology and growth trait variation in closely related European pine species. <i>Ecology and Evolution</i> , 2018, 8, 655-666.	1.9	16
18	Molecular signatures of divergence and selection in closely related pine taxa. <i>Tree Genetics and Genomes</i> , 2018, 14, 83.	1.6	15

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19	Nuclear microsatellite markers reveal the low genetic structure of <i>Pinus mugo</i> Turra (dwarf) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj 5	0.9	12
20	Ecology and management history drive spatial genetic structure in Scots pine. <i>Forest Ecology and Management</i> , 2017, 400, 68-76.	3.2	18
21	Reconstructing the plant mitochondrial genome for marker discovery: a case study using <i>Pinus</i> . <i>Molecular Ecology Resources</i> , 2017, 17, 943-954.	4.8	18
22	Genetic characteristics of Scots pine in Poland and reference populations based on nuclear and chloroplast microsatellite markers. <i>Silva Fennica</i> , 2017, 51, .	1.3	15
23	Long-term growth performance and productivity of Scots pine (<i>Pinus sylvestris</i> L.) populations. <i>Acta Societatis Botanicorum Poloniae</i> , 2017, 86, .	0.8	4
24	Contrasting patterns of genetic variation in core and peripheral populations of highly outcrossing and wind pollinated forest tree species. <i>AoB PLANTS</i> , 2016, 8, .	2.3	23
25	Current Approaches and Perspectives in Population Genetics of Scots Pine (<i>Pinus sylvestris</i> L.). <i>Forest Science</i> , 2016, 62, 343-354.	1.0	11
26	Substantial heritable variation for susceptibility to <i>Dothistroma septosporum</i> within populations of native British Scots pine (<i>Pinus sylvestris</i>). <i>Plant Pathology</i> , 2016, 65, 987-996.	2.4	21
27	Utility of closely related taxa for genetic studies of adaptive variation and speciation: Current state and perspectives in plants with focus on forest tree species. <i>Journal of Systematics and Evolution</i> , 2016, 54, 17-28.	3.1	6
28	Hybridization in contact zone between temperate European pine species. <i>Tree Genetics and Genomes</i> , 2016, 12, 1.	1.6	31
29	Substructuring of Scots pine in Europe based on polymorphism at chloroplast microsatellite loci. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2016, 220, 142-149.	1.2	14
30	Interspecific gene flow and ecological selection in a pine (<i>Pinus</i> sp.) contact zone. <i>Plant Systematics and Evolution</i> , 2015, 301, 1643-1652.	0.9	8
31	Comparative transcriptomics of a complex of four European pine species. <i>BMC Genomics</i> , 2015, 16, 234.	2.8	40
32	The biogeography and genetic relationships of <i>Juniperus oxycedrus</i> and related taxa from the Mediterranean and Macaronesian regions. <i>Botanical Journal of the Linnean Society</i> , 2014, 174, 637-653.	1.6	27
33	High genetic similarity between Polish and North European Scots pine (<i>Pinus sylvestris</i> L.) populations at nuclear gene loci. <i>Tree Genetics and Genomes</i> , 2014, 10, 1015-1025.	1.6	17
34	Species specific cpDNA markers useful for studies on the hybridisation between <i>Pinus mugo</i> and <i>P. sylvestris</i> . <i>Acta Societatis Botanicorum Poloniae</i> , 2014, 69, 273-276.	0.8	16
35	Among population differentiation at nuclear genes in native Scots pine (<i>Pinus sylvestris</i> L.) in Scotland. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2013, 208, 79-86.	1.2	11
36	Geographical patterns of nucleotide diversity and population differentiation in three closely related European pine species in the <i>Pinus mugo</i> complex. <i>Botanical Journal of the Linnean Society</i> , 2013, 172, 225-238.	1.6	48

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37	Speciation history of three closely related pines <i>Pinus mugo</i> (T.), <i>P. uliginosa</i> (N.) and <i>P. sylvestris</i> (L.). <i>Molecular Ecology</i> , 2011, 20, 1729-1743.	3.9	42
38	High genetic diversity at the extreme range edge: nucleotide variation at nuclear loci in Scots pine (<i>Pinus sylvestris</i> L.) in Scotland. <i>Heredity</i> , 2011, 106, 775-787.	2.6	54
39	Genetic evaluation of seeds of highly endangered <i>Pinus uliginosa</i> Neumann from WĄ™gliniec reserve for ex-situ conservation program. <i>Acta Societatis Botanicorum Poloniae</i> , 2011, 74, 237-242.	0.8	7
40	Understanding the evolution of native pinewoods in Scotland will benefit their future management and conservation. <i>Forestry</i> , 2010, 83, 535-545.	2.3	21
41	Search for nucleotide diversity patterns of local adaptation in dehydrins and other cold-related candidate genes in Scots pine (<i>Pinus sylvestris</i> L.). <i>Tree Genetics and Genomes</i> , 2009, 5, 117-132.	1.6	105
42	Different patterns of genetic structure of relict and isolated populations of endangered peat-bog pine (<i>Pinus uliginosa</i> Neumann). <i>Journal of Applied Genetics</i> , 2009, 50, 329-339.	1.9	7
43	Selection on Nuclear Genes in a <i>Pinus</i> Phylogeny. <i>Molecular Biology and Evolution</i> , 2009, 26, 893-905.	8.9	44
44	Hybridisation processes in sympatric populations of pines <i>Pinus sylvestris</i> L., <i>P. mugo</i> Turra and <i>P. uliginosa</i> Neumann. <i>Plant Systematics and Evolution</i> , 2008, 271, 29-40.	0.9	55
45	Demographic History Has Influenced Nucleotide Diversity in European <i>Pinus sylvestris</i> Populations. <i>Genetics</i> , 2007, 177, 1713-1724.	2.9	154
46	Cryptic speciation in liverworts – a case study in the <i>Aneura pinguis</i> complex. <i>Botanical Journal of the Linnean Society</i> , 2007, 155, 273-282.	1.6	51
47	Lack of evidence on hybrid swarm in the sympatric population of <i>Pinus mugo</i> and <i>P. sylvestris</i> . <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006, 201, 307-316.	1.2	21
48	A critical evaluation of reproductive barriers between closely related species using DNA markers - a case study in <i>Pinus</i> . <i>Plant Systematics and Evolution</i> , 2006, 257, 1-8.	0.9	25
49	Evidence of natural reciprocal hybridisation between <i>Pinus uliginosa</i> and <i>P. sylvestris</i> in the sympatric population of the species. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2005, 200, 563-568.	1.2	29
50	Reciprocal controlled crosses between <i>Pinus sylvestris</i> and <i>P. mugo</i> verified by a species-specific cpDNA marker. <i>Journal of Applied Genetics</i> , 2005, 46, 41-3.	1.9	20
51	Cryptic hybrids between <i>Pinus uncinata</i> and <i>P. sylvestris</i> . <i>Botanical Journal of the Linnean Society</i> , 0, 163, 473-485.	1.6	30
52	Are There Any Traces of <i>Pinus uliginosa</i> in the Stołowe Mountains Outside the Wielkie Torfowisko Batorowskie and Błędne Skały?. <i>Acta Societatis Botanicorum Poloniae</i> , 0, 90, .	0.8	1
53	Cross-amplification and multiplexing of cpSSRs and nSSRs in two closely related pine species (<i>Pinus</i>) Tj ETQq1 1 0.784314 rgBT / Over 0.6 5		