PÃ¤r K Ingvarsson

List of Publications by Year
in descending order

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130	8,272	53660	54797
papers	citations	45 h-index	84 g-index

154	154	154	8920
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linked selection shapes the landscape of genomic variation in three oak species. New Phytologist, 2022, 233, 555-568.	3.5	14
2	Genomeâ€wide association study for lignocellulosic compounds and fermentable sugar in rice straw. Plant Genome, 2022, 15, e20174.	1.6	3
3	Demographic History and Natural Selection Shape Patterns of Deleterious Mutation Load and Barriers to Introgression across Populus Genome. Molecular Biology and Evolution, 2022, 39, .	3.5	29
4	Phenotypic plasticity in Populus trichocarpa clones across environments in the Nordicâ€“Baltic region. Scandinavian Journal of Forest Research, 2022, 37, 1-5.	0.5	1
5	LncRNA PMATâ€“PtoMYB46 module represses PtoMATE and PtoARF2 promoting Pb2+ uptake and plant growth in poplar. Journal of Hazardous Materials, 2022, 433, 128769.	6.5	12
6	Integrating genomeâ€wide association mapping of additive and dominance genetic effects to improve genomic prediction accuracy in Eucalyptus. Plant Genome, 2022, 15, e20208.	1.6	12
7	Development of a highly efficient 50K single nucleotide polymorphism genotyping array for the large and complex genome of Norway spruce (Picea abies L. Karst) by whole genome resequencing and its transferability to other spruce species. Molecular Ecology Resources, 2021, 21, 880-896.	2.2	26
8	Integration of genome wide association studies and coâ€expression networks reveal roles of PtoWRKY42â€PtoUGT76C1â€1 in transâ€zeatin metabolism and cytokinin sensitivity in poplar. New Phytologist, 2021, 231, 1462-1477.	3.5	13
9	The genetic basis of adaptation in phenology in an introduced population of Black Cottonwood (Populus trichocarpa, Torr. & Gray). BMC Plant Biology, 2021, 21, 317.	1.6	6
10	Adaptive Introgression Facilitates Adaptation to High Latitudes in European Aspen (Populus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	3.5	19
11	Characterization of Dynamic Regulatory Gene and Protein Networks in Wheat Roots Upon Perceiving Water Deficit Through Comparative Transcriptomics Survey. Frontiers in Plant Science, 2021, 12, 710867.	1.7	5
12	Killing two enemies with one stone? Genomics of resistance to two sympatric pathogens in Norway spruce. Molecular Ecology, 2021, 30, 4433-4447.	2.0	9
13	Genome-Wide Association Mapping of Mixed Linkage (1,3;1,4)-Î²-Glucan and Starch Contents in Rice Whole Grain. Frontiers in Plant Science, 2021, 12, 665745.	1.7	6
14	GIGANTEA influences leaf senescence in trees in two different ways. Plant Physiology, 2021, 187, 2435-2450.	2.3	5
15	Genome-wide association mapping uncovers sex-associated copy number variation markers and female hemizygous regions on the W chromosome in Salix viminalis. BMC Genomics, 2021, 22, 710.	1.2	6
16	Genomeâ€wide signatures of environmental adaptation in European aspen (Populus tremula) under current and future climate conditions. Evolutionary Applications, 2020, 13, 132-142.	1.5	43
17	Adaptive signals of flowering time pathways in wild barley from Israel over 28 generations. Heredity, 2020, 124, 62-76.	1.2	13
18	Comparative Study of Pine Reference Genomes Reveals Transposable Element Interconnected Gene Networks. Genes, 2020, 11, 1216.	1.0	11

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19	Genetic Status of the Swedish Central collection of heirloom apple cultivars. Scientia Horticulturae, 2020, 272, 109599.	1.7	16
20	Comparing the Effectiveness of Exome Capture Probes, Genotyping by Sequencing and Whole-Genome Re-Sequencing for Assessing Genetic Diversity in Natural and Managed Stands of Picea abies. Forests, 2020, 11, 1185.	0.9	2
21	Quantitative genetic architecture of adaptive phenology traits in the deciduous tree, Populus trichocarpa (Torr. and Gray). Heredity, 2020, 125, 449-458.	1.2	15
22	Evolution of strong reproductive isolation in plants: broad-scale patterns and lessons from a perennial model group. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190544.	1.8	16
23	A single gene underlies the dynamic evolution of poplar sex determination. Nature Plants, 2020, 6, 630-637.	4.7	138
24	Linkage disequilibrium vs. pedigree: Genomic selection prediction accuracy in conifer species. PLoS ONE, 2020, 15, e0232201.	1.1	28
25	Inferring the Genomic Landscape of Recombination Rate Variation in European Aspen (Populus) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	24
26	Evidence for widespread selection in shaping the genomic landscape during speciation of Populus. Molecular Ecology, 2020, 29, 1120-1136.	2.0	31
27	Variant Calling Using Whole Genome Resequencing and Sequence Capture for Population and Evolutionary Genomic Inferences in Norway Spruce (Picea Abies). Compendium of Plant Genomes, 2020, , 9-36.	0.3	6
28	Demography and Natural Selection Have Shaped Genetic Variation in the Widely Distributed Conifer Norway Spruce (Picea abies). Genome Biology and Evolution, 2020, 12, 3803-3817.	1.1	30
29	The effects of clonal forestry on genetic diversity in wild and domesticated stands of forest trees. Scandinavian Journal of Forest Research, 2019, 34, 370-379.	0.5	39
30	Applying an artificial neural network approach for drought tolerance screening among Iranian wheat landraces and cultivars grown under well-watered and rain-fed conditions. Acta Physiologiae Plantarum, 2019, 41, 1.	1.0	10
31	An Ultra-Dense Haploid Genetic Map for Evaluating the Highly Fragmented Genome Assembly of Norway Spruce (Picea abies). G3: Genes, Genomes, Genetics, 2019, 9, 1623-1632.	0.8	39
32	Linking plant genes to insect communities: Identifying the genetic bases of plant traits and community composition. Molecular Ecology, 2019, 28, 4404-4421.	2.0	25
33	Using Norway spruce clones in Swedish forestry: introduction. Scandinavian Journal of Forest Research, 2019, 34, 333-335.	0.5	6
34	Genomeâ€wide association study identified novel candidate loci affecting wood formation in Norway spruce. Plant Journal, 2019, 100, 83-100.	2.8	49
35	The ecological consequences of using clones in forestry. Scandinavian Journal of Forest Research, 2019, 34, 380-389.	0.5	4
36	Using Norway spruce clones in Swedish forestry: implications of clones for management. Scandinavian Journal of Forest Research, 2019, 34, 390-404.	0.5	17

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37	Evolutionary Origins of Pseudogenes and Their Association with Regulatory Sequences in Plants. Plant Cell, 2019, 31, 563-578.	3.1	47
38	Genome-wide association study of agronomic traits in bread wheat reveals novel putative alleles for future breeding programs. BMC Plant Biology, 2019, 19, 541.	1.6	77
39	Autumn senescence in aspen is not triggered by day length. Physiologia Plantarum, 2018, 162, 123-134.	2.6	40
40	Genomic relationships reveal significant dominance effects for growth in hybrid Eucalyptus. Plant Science, 2018, 267, 84-93.	1.7	60
41	Functional and evolutionary genomic inferences in Populus through genome and population sequencing of American and European aspen. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10970-E10978.	3.3	84
42	Storage lipid accumulation is controlled by photoperiodic signal acting via regulators of growth cessation and dormancy in hybrid aspen. New Phytologist, 2018, 219, 619-630.	3.5	20
43	Pathway position constrains the evolution of an ecologically important pathway in aspens (Populus tremula L.). Molecular Ecology, 2018, 27, 3317-3330.	2.0	5
44	A major locus controls local adaptation and adaptive life history variation in a perennial plant. Genome Biology, 2018, 19, 72.	3.8	76
45	Single-Copy Genes as Molecular Markers for Phylogenomic Studies in Seed Plants. Genome Biology and Evolution, 2017, 9, 1130-1147.	1.1	75
46	Smallâ€•and largeâ€scale heterogeneity in genetic variation across the collard flycatcher genome: implications for estimating genetic diversity in nonmodel organisms. Molecular Ecology Resources, 2017, 17, 583-585.	2.2	0
47	Contrasting Rates of Molecular Evolution and Patterns of Selection among Gymnosperms and Flowering Plants. Molecular Biology and Evolution, 2017, 34, 1363-1377.	3.5	164
48	Evaluating the accuracy of genomic prediction of growth and wood traits in two Eucalyptus species and their F1 hybrids. BMC Plant Biology, 2017, 17, 110.	1.6	104
49	Gene co-expression network connectivity is an important determinant of selective constraint. PLoS Genetics, 2017, 13, e1006402.	1.5	106
50	BatchMap: A parallel implementation of the OneMap R package for fast computation of F1 linkage maps in outcrossing species. PLoS ONE, 2017, 12, e0189256.	1.1	19
51	Variation in Linked Selection and Recombination Drive Genomic Divergence during Allopatric Speciation of European and American Aspens. Molecular Biology and Evolution, 2016, 33, 1754-1767.	3.5	83
52	Towards integration of population and comparative genomics in forest trees. New Phytologist, 2016, 212, 338-344.	3.5	31
53	Whole genome duplication in coast redwood (Sequoia sempervirens) and its implications for explaining the rarity of polyploidy in conifers. New Phytologist, 2016, 211, 186-193.	3.5	49
54	Natural Selection and Recombination Rate Variation Shape Nucleotide Polymorphism Across the Genomes of Three Related Populus Species. Genetics, 2016, 202, 1185-1200.	1.2	93

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55	Multilocus analysis of nucleotide variation and speciation in three closely related <scp>P</scp>opulus (<scp>S</scp>alicaceae) species. Molecular Ecology, 2015, 24, 4994-5005.	2.0	33
56	Evolutionary Quantitative Genomics of Populus trichocarpa. PLoS ONE, 2015, 10, e0142864.	1.1	31
57	Genome-Wide Analysis Reveals Diverged Patterns of Codon Bias, Gene Expression, and Rates of Sequence Evolution in Picea Gene Families. Genome Biology and Evolution, 2015, 7, 1002-1015.	1.1	63
58	Genetic architecture and genomic patterns of gene flow between hybridizing species of Picea. Heredity, 2015, 115, 153-164.	1.2	46
59	Identification of additive, dominant, and epistatic variation conferred by key genes in cellulose biosynthesis pathway in Populus tomentosa. DNA Research, 2015, 22, 53-67.	1.5	46
60	Variant Calling Using NGS Data in European Aspen (Populus tremula). , 2015, , 43-61.		5
61	Populus tremula (European aspen) shows no evidence of sexual dimorphism. BMC Plant Biology, 2014, 14, 276.	1.6	45
62	Increased genetic divergence between two closely related fir species in areas of range overlap. Ecology and Evolution, 2014, 4, 1019-1029.	0.8	12
63	Insights into Conifer Giga-Genomes. Plant Physiology, 2014, 166, 1724-1732.	2.3	164
64	Largeâ€scale patterns in genetic variation, gene flow and differentiation in five species of European Coenagrionid damselfly provide mixed support for the centralâ€marginal hypothesis. Ecography, 2013, 36, 744-755.	2.1	29
65	The Norway spruce genome sequence and conifer genome evolution. Nature, 2013, 497, 579-584.	13.7	1,303
66	Geographic structure in metabolome and herbivore community coâ€occurs with genetic structure in plant defence genes. Ecology Letters, 2013, 16, 791-798.	3.0	63
67	Towards decoding the conifer giga-genome. Plant Molecular Biology, 2012, 80, 555-569.	2.0	91
68	Demography and speciation history of the homoploid hybrid pine Pinus densata on the Tibetan Plateau. Molecular Ecology, 2012, 21, 4811-4827.	2.0	82
69	Analysis of conifer FLOWERING LOCUS T/TERMINAL FLOWER1â€like genes provides evidence for dramatic biochemical evolution in the angiosperm <scp>FT</scp> lineage. New Phytologist, 2012, 196, 1260-1273.	3.5	90
70	Comparative Nucleotide Diversity Across North American and European Populus Species. Journal of Molecular Evolution, 2012, 74, 257-272.	0.8	25
71	Evolution of the G-matrix in life history traits in the common frog during a recent colonisation of an island system. Evolutionary Ecology, 2012, 26, 863-878.	0.5	15
72	Cross-species amplification and development of microsatellites for six species of European Coenagrionid damselflies. Conservation Genetics Resources, 2012, 4, 191-196.	0.4	4

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73	Geographical structure and adaptive population differentiation in herbivore defence genes in European aspen (Populus tremula L., Salicaceae). Molecular Ecology, 2012, 21, 2197-2207.	2.0	13
74	Genetic Variation in Functional Traits Influences Arthropod Community Composition in Aspen (Populus tremula L.). PLoS ONE, 2012, 7, e37679.	1.1	70
75	Adaptive evolution of the Populus tremula photoperiod pathway. Molecular Ecology, 2011, 20, 1463-1474.	2.0	25
76	Association genetics of complex traits in plants. New Phytologist, 2011, 189, 909-922.	3.5	306
77	GENE FLOW AND SELECTION ON PHENOTYPIC PLASTICITY IN AN ISLAND SYSTEM OF RANA TEMPORARIA. Evolution; International Journal of Organic Evolution, 2011, 65, 684-697.	1.1	95
78	Local Selection Across a Latitudinal Gradient Shapes Nucleotide Diversity in Balsam Poplar, Populus balsamifera L. Genetics, 2011, 188, 941-952.	1.2	47
79	Molecular Population Genetics of Elicitor-Induced Resistance Genes in European Aspen (Populus) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	20
80	Admixture facilitates adaptation from standing variation in the European aspen (Populus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	2.0	108
81	Cohort-structured tree populations. Heredity, 2010, 105, 331-332.	1.2	7
82	Genetic Differentiation, Clinal Variation and Phenotypic Associations With Growth Cessation Across the Populus tremula Photoperiodic Pathway. Genetics, 2010, 186, 1033-1044.	1.2	86
83	Using association mapping to dissect the genetic basis of complex traits in plants. Briefings in Functional Genomics, 2010, 9, 157-165.	1.3	174
84	Natural Selection on Synonymous and Nonsynonymous Mutations Shapes Patterns of Polymorphism in Populus tremula. Molecular Biology and Evolution, 2010, 27, 650-660.	3.5	76
85	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 August 2009â€“30 September 2009. Molecular Ecology Resources, 2010, 10, 232-236.	2.2	71
86	Molecular Diversification in the Quorum-Sensing System of Vibrio cholerae : Role of Natural Selection in the Emergence of Pandemic Strains. Applied and Environmental Microbiology, 2009, 75, 3808-3812.	1.4	11
87	Natural phenological variation in aspen (Populus tremula): the SwAsp collection. Tree Genetics and Genomes, 2008, 4, 279-292.	0.6	140
88	Molecular evolution of synonymous codon usage in Populus. BMC Evolutionary Biology, 2008, 8, 307.	3.2	76
89	Population, quantitative and comparative genomics of adaptation in forest trees. Current Opinion in Plant Biology, 2008, 11, 149-155.	3.5	136
90	Nucleotide Polymorphism and Phenotypic Associations Within and Around the phytochrome B2 Locus in European Aspen (Populus tremula, Salicaceae). Genetics, 2008, 178, 2217-2226.	1.2	151

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91	Multilocus Patterns of Nucleotide Polymorphism and the Demographic History of Populus tremula. Genetics, 2008, 180, 329-340.	1.2	173
92	Variation in Mutation Rate and Polymorphism Among Mitochondrial Genes of Silene vulgaris. Molecular Biology and Evolution, 2007, 24, 1783-1791.	3.5	51
93	An excess of nonsynonymous polymorphism and extensive haplotype structure at the PtABI1B locus in European aspen (Populus tremula): a case of balancing selection in an obligately outcrossing plant?. Heredity, 2007, 99, 381-388.	1.2	12
94	ADAPTIVE POPULATION DIFFERENTIATION IN PHENOLOGY ACROSS A LATITUDINAL GRADIENT IN EUROPEAN ASPEN (POPULUS TREMULA, L.): A COMPARISON OF NEUTRAL MARKERS, CANDIDATE GENES AND PHENOTYPIC TRAITS. Evolution; International Journal of Organic Evolution, 2007, 61, 2849-2860.	1.1	161
95	Natural selection on floral traits of female Silene dioica by a sexually transmitted disease. New Phytologist, 2006, 169, 729-739.	3.5	37
96	Molecular Evolution of a Small Gene Family of Wound Inducible Kunitz Trypsin Inhibitors in Populus. Journal of Molecular Evolution, 2006, 63, 108-119.	0.8	21
97	Clinal Variation in phyB2, a Candidate Gene for Day-Length-Induced Growth Cessation and Bud Set, Across a Latitudinal Gradient in European Aspen (Populus tremula). Genetics, 2006, 172, 1845-1853.	1.2	156
98	Gene Expression and Protein Length Influence Codon Usage and Rates of Sequence Evolution in Populus tremula. Molecular Biology and Evolution, 2006, 24, 836-844.	3.5	121
99	Nucleotide Polymorphism and Linkage Disequilibrium Within and Among Natural Populations of European Aspen (Populus tremula L., Salicaceae). Genetics, 2005, 169, 945-953.	1.2	236
100	Molecular Population Genetics of Herbivore-induced Protease Inhibitor Genes in European Aspen (Populus tremula L., Salicaceae). Molecular Biology and Evolution, 2005, 22, 1802-1812.	3.5	32
101	Population subdivision and the Hudsonâ€“Kreitmanâ€“Aguade test: testing for deviations from the neutral model in organelle genomes. Genetical Research, 2004, 83, 31-39.	0.3	34
102	Common features of segregation distortion in plants and animals. Genetica, 2003, 117, 27-35.	0.5	218
103	Molecular Evolution of Insertions and Deletion in the Chloroplast Genome of Silene. Molecular Biology and Evolution, 2003, 20, 1737-1740.	3.5	146
104	Genealogical evidence for epidemics of selfish genes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11265-11269.	3.3	59
105	A METAPOPULATION PERSPECTIVE ON GENETIC DIVERSITY AND DIFFERENTIATION IN PARTIALLY SELF-FERTILIZING PLANTS. Evolution; International Journal of Organic Evolution, 2002, 56, 2368.	1.1	19
106	Lone wolf to the rescue. Nature, 2002, 420, 472-472.	13.7	23
107	A METAPOPULATION PERSPECTIVE ON GENETIC DIVERSITY AND DIFFERENTIATION IN PARTIALLY SELF-FERTILIZING PLANTS. Evolution; International Journal of Organic Evolution, 2002, 56, 2368-2373.	1.1	134
108	Restoration of genetic variation lost â€“ the genetic rescue hypothesis. Trends in Ecology and Evolution, 2001, 16, 62-63.	4.2	186

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109	Local drift load and the heterosis of interconnected populations. Heredity, 2000, 84, 452-457.	1.2	240
110	Exploitative competition between two seed parasites on the common sedge, Carex nigra. Oikos, 2000, 91, 362-370.	1.2	4
111	DIFFERENTIAL MIGRATION FROM HIGH FITNESS DEMES IN THE SHINING FUNGUS BEETLE,PHALACRUS SUBSTRIATUS. Evolution; International Journal of Organic Evolution, 2000, 54, 297-301.	1.1	4
112	DIFFERENTIAL MIGRATION FROM HIGH FITNESS DEMES IN THE SHINING FUNGUS BEETLE, PHALACRUS SUBSTRIATUS. Evolution; International Journal of Organic Evolution, 2000, 54, 297.	1.1	1
113	Heterosis increases the effective migration rate. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1321-1326.	1.2	107
114	Estimates of structural complexity in clonal plant morphology: comparisons of grazed and ungrazed Acaena magellanica rhizomes. Canadian Journal of Botany, 1999, 77, 869-876.	1.2	4
115	Kin-Structured Colonization and Small-Scale Genetic Differentiation in Silene dioica. Evolution; International Journal of Organic Evolution, 1999, 53, 605.	1.1	20
116	KIN-STRUCTURED COLONIZATION AND SMALL-SCALE GENETIC DIFFERENTIATION INSILENE DIOICA. Evolution; International Journal of Organic Evolution, 1999, 53, 605-611.	1.1	53
117	Estimates of structural complexity in clonal plant morphology: comparisons of grazed and ungrazed Acaena magellanica rhizomes. Canadian Journal of Botany, 1999, 77, 869-876.	1.2	12
118	Kin-structured colonization in Phalacrus substriatus. Heredity, 1998, 80, 456-463.	1.2	20
119	Floral sex ratios, disease and seed set in dioecious Silene dioica. Journal of Ecology, 1998, 86, 79-91.	1.9	69
120	Spatial and temporal variation in disease levels of a floral smut (Anthracoidea heterospora) on Carex nigra. Journal of Ecology, 1998, 86, 53-61.	1.9	32
121	Population Dynamics of Resource Limited Plants and Their Pollinators. Theoretical Population Biology, 1998, 54, 44-49.	0.5	22
122	The Effect of Delayed Population Growth on the Genetic Differentiation of Local Populations Subject to Frequent Extinctions and Recolonizations. Evolution; International Journal of Organic Evolution, 1997, 51, 29.	1.1	14
123	THE EFFECT OF DELAYED POPULATION GROWTH ON THE GENETIC DIFFERENTIATION OF LOCAL POPULATIONS SUBJECT TO FREQUENT EXTINCTIONS AND RECOLONIZATIONS. Evolution; International Journal of Organic Evolution, 1997, 51, 29-35.	1.1	22
124	EXTINCTION-RECOLONIZATION DYNAMICS IN THE MYCOPHAGOUS BEETLE PHALACRUS SUBSTRIATUS. Evolution; International Journal of Organic Evolution, 1997, 51, 187-195.	1.1	31
125	Extinction-Recolonization Dynamics in the Mycophagous Beetle Phalacrus substriatus. Evolution; International Journal of Organic Evolution, 1997, 51, 187.	1.1	21
126	Hierarchical genetic structure and effective population sizes in Phalacrus substriatus. Heredity, 1997, 79, 153-161.	1.2	13

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127	Hierarchical genetic structure and effective population sizes in Phalacrus substriatus. Heredity, 1997, 79, 153-161.	1.2	4
128	Pollinator functional response and plant population dynamics: Pollinators as a limiting resource. Evolutionary Ecology, 1995, 9, 421-428.	0.5	20
129	Patterns of Attack by Insect Herbivores and a Fungus on Saplings in a Tropical Tree Plantation. Environmental Entomology, 1995, 24, 1487-1494.	0.7	26
130	The Effect of a Vector-Borne Disease on the Dynamics of Natural Plant Populations: A Model for Ustilago Violacea Infection of Lychnis Viscaria. Journal of Ecology, 1993, 81, 263.	1.9	10