Myriam Heuertz

List of Publications by Year
in descending order

78 papers	5,109 citations	136950 32 h-index	98798 67 g-index
82 all docs	82 docs citations	82 times ranked	7967 citing authors

#	Article	IF	Citations
1	TRY plant trait database â€“ enhanced coverage and open access. Global Change Biology, 2020, 26, 119-188.	9.5	1,038
2	Microsatellite Allele Sizes: A Simple Test to Assess Their Significance on Genetic Differentiation. Genetics, 2003, 163, 1467-1482.	2.9	428
3	Genetic diversity targets and indicators in the CBD post-2020 Global Biodiversity Framework must be improved. Biological Conservation, 2020, 248, 108654.	4.1	285
4	Chloroplast DNA variation and postglacial recolonization of common ash (Fraxinus excelsior L.) in Europe. Molecular Ecology, 2004, 13, 3437-3452.	3.9	248
5	Multilocus Patterns of Nucleotide Diversity, Linkage Disequilibrium and Demographic History of Norway Spruce [Picea abies (L.) Karst]. Genetics, 2006, 174, 2095-2105.	2.9	241
6	Estimating seed vs. pollen dispersal from spatial genetic structure in the common ash. Molecular Ecology, 2003, 12, 2483-2495.	3.9	147
7	NUCLEAR MICROSATELLITES REVEAL CONTRASTING PATTERNS OF GENETIC STRUCTURE BETWEEN WESTERN AND SOUTHEASTERN EUROPEAN POPULATIONS OF THE COMMON ASH (FRAXINUS EXCELSIOR L.). Evolution; International Journal of Organic Evolution, 2004, 58, 976-988.	2.3	136
8	Post-2020 goals overlook genetic diversity. Science, 2020, 367, 1083-1085.	12.6	132
9	Chloroplast DNA phylogeography of European ashes, Fraxinus sp. (Oleaceae): roles of hybridization and life history traits. Molecular Ecology, 2006, 15, 2131-2140.	3.9	131
10	Is homoploid hybrid speciation that rare? An empiricistâ€™s view. Heredity, 2017, 118, 513-516.	2.6	129
11	Assessment of genetic diversity within and among germplasm accessions in cultivated sorghum using microsatellite markers. Theoretical and Applied Genetics, 2000, 100, 918-925.	3.6	119
12	Genetic structure and assignment tests demonstrate illegal translocation of red deer (Cervus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	3.9	98
13	Global Commitments to Conserving and Monitoring Genetic Diversity Are Now Necessary and Feasible. BioScience, 2021, 71, 964-976.	4.9	96
14	Comparative phylogeography of African rain forest trees: A review of genetic signatures of vegetation history in the Guineo-Congolian region. Comptes Rendus - Geoscience, 2013, 345, 284-296.	1.2	94
15	Forest tree genomics: 10 achievements from the past 10Âyears and future prospects. Annals of Forest Science, 2016, 73, 77-103.	2.0	91
16	Living on the edge: timing of Rand Flora disjunctions congruent with ongoing aridification in Africa. Frontiers in Genetics, 2015, 6, 154.	2.3	90
17	Advances in ecological genomics in forest trees and applications to genetic resources conservation and breeding. Molecular Ecology, 2017, 26, 706-717.	3.9	85
18	THE COMPLEX BIOGEOGRAPHIC HISTORY OF A WIDESPREAD TROPICAL TREE SPECIES. Evolution; International Journal of Organic Evolution, 2008, 62, 2760-2774.	2.3	82

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19	Molecular Proxies for Climate Maladaptation in a Long-Lived Tree (Pinus pinasterAiton,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.9	78
20	Geography determines genetic relationships between species of mountain pine (Pinus mugo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	71
21	Spatial genetic structure in continuous and fragmented populations of Pinus pinaster Aiton. Molecular Ecology, 2009, 18, 4564-4576.	3.9	69
22	InÂsitu genetic association for serotiny, a fireâ€related trait, in Mediterranean maritime pine (Pinus pinaster). New Phytologist, 2014, 201, 230-241.	7.3	69
23	Assessment of genetic structure within and among Bulgarian populations of the common ash (Fraxinus excelsior L.). Molecular Ecology, 2001, 10, 1615-1623.	3.9	66
24	Within-population spatial genetic structure in four naturally fragmented species of a neotropical inselberg radiation, Alcantarea imperialis, A. geniculata, A. glaziouana and A. regina (Bromeliaceae). Heredity, 2008, 101, 285-296.	2.6	51
25	Forest refugia revisited: nSSRs and cpDNA sequences support historical isolation in a wide-spread African tree with high colonization capacity, Milicia excelsa (Moraceae). Molecular Ecology, 2010, 19, 4462-4477.	3.9	47
26	Spatial genetic structure in Milicia excelsa (Moraceae) indicates extensive gene dispersal in a lowâ€density windâ€pollinated tropical tree. Molecular Ecology, 2009, 18, 4398-4408.	3.9	45
27	Genomics of the divergence continuum in an African plant biodiversity hotspot, I: drivers of population divergence in Restio capensis (Restionaceae). Molecular Ecology, 2014, 23, 4373-4386.	3.9	45
28	CpDNA-based species identification and phylogeography: application to African tropical tree species. Molecular Ecology, 2010, 19, 5469-5483.	3.9	38
29	The ancient tropical rainforest tree Symphonia globulifera L. f. (Clusiaceae) was not restricted to postulated Pleistocene refugia in Atlantic Equatorial Africa. Heredity, 2013, 111, 66-76.	2.6	38
30	In situ estimation of outcrossing rate in sorghum landraces using microsatellite markers. Euphytica, 2004, 138, 205-212.	1.2	37
31	Comparative Phylogeography in Rainforest Trees from Lower Guinea, Africa. PLoS ONE, 2014, 9, e84307.	2.5	36
32	Congruent phylogeographical patterns of eight tree species in Atlantic Central Africa provide insights into the past dynamics of forest cover. Molecular Ecology, 2014, 23, 2299-2312.	3.9	35
33	Testing the hypothesis of low genetic diversity and population structure in narrow endemic species: the endangered Antirrhinum charidemi (Plantaginaceae). Botanical Journal of the Linnean Society, 2017, 183, 260-270.	1.6	35
34	Species-specific phylogeographical patterns and Pleistocene east-west divergence inAnnona(Annonaceae) in the Brazilian Cerrado. Botanical Journal of the Linnean Society, 2016, 181, 21-36.	1.6	33
35	Effective population size remains a suitable, pragmatic indicator of genetic diversity for all species, including forest trees. Biological Conservation, 2021, 253, 108906.	4.1	32
36	Chloroplast DNA Polymorphism and Phylogeography of a Central African Tree Species Widespread in Mature Rainforests: Greenwayodendron suaveolens (Annonaceae). Tropical Plant Biology, 2010, 3, 4-13.	1.9	31

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37	Ancient and historical DNA in conservation policy. Trends in Ecology and Evolution, 2022, 37, 420-429.	8.7	31
38	Within-Population Genetic Structure in Beech (Fagus sylvatica L.) Stands Characterized by Different Disturbance Histories: Does Forest Management Simplify Population Substructure?. PLoS ONE, 2013, 8, e73391.	2.5	28
39	Topography consistently drives intraâ€•and interâ€•specific leaf trait variation within tree species complexes in a Neotropical forest. Oikos, 2020, 129, 1521-1530.	2.7	28
40	Increased fire frequency promotes stronger spatial genetic structure and natural selection at regional and local scales in Pinus halepensis Mill. Annals of Botany, 2017, 119, 1061-1072.	2.9	27
41	Diversity gradients and phylogeographic patterns in Santiria trimera (Burseraceae), a widespread African tree typical of mature rainforests. American Journal of Botany, 2011, 98, 254-264.	1.7	25
42	Target sequence capture in the Brazil nut family (Lecythidaceae): Marker selection and in silico capture from genome skimming data. Molecular Phylogenetics and Evolution, 2019, 135, 98-104.	2.7	25
43	Altitudinal gradients, biogeographic history and microhabitat adaptation affect fine-scale spatial genetic structure in African and Neotropical populations of an ancient tropical tree species. PLoS ONE, 2017, 12, e0182515.	2.5	23
44	A combined analysis of morphological traits, chloroplast and nuclear DNA sequences within Santiria trimera (Burseraceae) suggests several species following the Biological Species Concept. Plant Ecology and Evolution, 2010, 143, 160-169.	0.7	22
45	The Atlanticâ€“Mediterranean watershed, river basins and glacial history shape the genetic structure of Iberian poplars. Molecular Ecology, 2012, 21, 3593-3609.	3.9	21
46	Climatic drivers of leaf traits and genetic divergence in the tree Annona crassiflora: a broad spatial survey in the Brazilian savannas. Global Change Biology, 2016, 22, 3789-3803.	9.5	21
47	A tale of two forests: ongoing aridification drives population decline and genetic diversity loss at continental scale in Afro-Macaronesian evergreen-forest archipelago endemics. Annals of Botany, 2018, 122, 1005-1017.	2.9	21
48	Polygenic adaptation and negative selection across traits, years and environments in a longâ€•lived plant species (Pinus pinaster Ait., Pinaceae). Molecular Ecology, 2022, 31, 2089-2105.	3.9	21
49	Patterns of Nucleotide Diversity at Photoperiod Related Genes in Norway Spruce [Picea abies (L.) Karst.]. PLoS ONE, 2014, 9, e95306.	2.5	20
50	Sharing and reporting benefits from biodiversity research. Molecular Ecology, 2021, 30, 1103-1107.	3.9	19
51	Authorsâ€™ Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. Conservation Genetics, 2021, 22, 533-536.	1.5	18
52	Topography drives microgeographic adaptations of closely related species in two tropical tree species complexes. Molecular Ecology, 2021, 30, 5080-5093.	3.9	16
53	Genetic Structure in the Northern Range Margins of Common Ash, Fraxinus excelsior L.. PLoS ONE, 2016, 11, e0167104.	2.5	15
54	Spatiotemporal mating pattern variation in a windâ€•pollinated Mediterranean shrub. Molecular Ecology, 2009, 18, 5195-5206.	3.9	14

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55	Demographic history and spatial genetic structure in a remnant population of the subtropical tree Anadenanthera colubrina var. cebil (Griseb.) Altschul (Fabaceae). Annals of Forest Science, 2019, 76, 1.	2.0	13
56	Plastome phylogeography in two African rain forest legume trees reveals that Dahomey Gap populations originate from the Cameroon volcanic line. Molecular Phylogenetics and Evolution, 2020, 150, 106854.	2.7	13
57	The hyperdominant tropical tree Eschweilera coriacea (Lecythidaceae) shows higher genetic heterogeneity than sympatric Eschweilera species in French Guiana. Plant Ecology and Evolution, 2020, 153, 67-81.	0.7	12
58	The evolutionary history of central African rain forest plants: phylogeographical insights from sister species in the climber genus Haumania (Marantaceae). Journal of Biogeography, 2017, 44, 308-321.	3.0	11
59	Dispersal and local persistence shape the genetic structure of a widespread Neotropical plant species with a patchy distribution. Annals of Botany, 2019, 124, 499-512.	2.9	10
60	NUCLEAR MICROSATELLITES REVEAL CONTRASTING PATTERNS OF GENETIC STRUCTURE BETWEEN WESTERN AND SOUTHEASTERN EUROPEAN POPULATIONS OF THE COMMON ASH (FRAXINUS EXCELSIOR L). Evolution; International Journal of Organic Evolution, 2004, 58, 976.	2.3	9
61	Isolation of SSR markers for two African tropical tree species, Erythrophleum suaveolens and E. ivorense (Caesalpinioideae). American Journal of Botany, 2011, 98, e106-8.	1.7	9
62	Development of genomic tools in a widespread tropical tree, Symphonia globulifera L.f.: a new lowâ€coverage draft genome, <scp>SNP</scp> and <scp>SSR</scp> markers. Molecular Ecology Resources, 2017, 17, 614-630.	4.8	9
63	The protected tree Dimorphandra wilsonii (Fabaceae) is a population of inter-specific hybrids: recommendations for conservation in the Brazilian Cerrado/Atlantic Forest ecotone. Annals of Botany, 2020, 126, 191-203.	2.9	9
64	Topography shapes the local coexistence of tree species within species complexes of Neotropical forests. Oecologia, 2021, 196, 389-398.	2.0	9
65	Hybrid zone of a tree in a Cerrado/Atlantic Forest ecotone as a hotspot of genetic diversity and conservation. Ecology and Evolution, 2022, 12, e8540.	1.9	9
66	Biogeography and evolution of seeder and resprouter forms of Erica coccinea (Ericaceae) in the fire-prone Cape fynbos. Plant Ecology, 2016, 217, 751-761.	1.6	7
67	Causes and consequences of large clonal assemblies in a poplar hybrid zone. Molecular Ecology, 2016, 25, 5330-5344.	3.9	7
68	Genetic Distinctiveness Highlights the Conservation Value of a Sicilian Manna Ash Germplasm Collection Assigned to Fraxinus angustifolia (Oleaceae). Plants, 2020, 9, 1035.	3.5	7
69	Population genomics of the widespread African savannah treesAfzelia africanaandAfzelia quanzensisreveals no significant past fragmentation of their distribution ranges. American Journal of Botany, 2020, 107, 498-509.	1.7	6
70	Seasonal variation of leaf thickness: An overlooked component of functional trait variability. Plant Biology, 2022, 24, 458-463.	3.8	6
71	Selection in space and time: Individual tree growth is adapted to tropical forest gap dynamics. Molecular Ecology, 2022, , .	3.9	6
72	A parentage study of closely related Ukrainian wine grape varieties using microsatellite markers. Cytology and Genetics, 2010, 44, 95-102.	0.5	5

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73	Miocene Diversification in the Savannahs Precedes Tetraploid Rainforest Radiation in the African Tree Genus Afzelia (Detarioideae, Fabaceae). Frontiers in Plant Science, 2020, 11, 798.	3.6	5
74	Spatial genetic structure and mating system in forest tree populations from seasonally dry tropical forests: a review. Tree Genetics and Genomes, 2022, 18, 1.	1.6	5
75	Le chÃªne faginÃ© (Quercus faginea, Fagaceae) en AlgÃ©rieÂ: potentiel germinatif et variabilitÃ© morphologique des glands et des semis. Plant Ecology and Evolution, 2019, 152, 437-449.	0.7	4
76	Characterization of new microsatellite loci isolated from Santiria trimera (Burseraceae). American Journal of Botany, 2012, 99, e334-6.	1.7	3
77	Evidence of local adaptation despite strong drift in a Neotropical patchily distributed bromeliad. Heredity, 2021, 127, 203-218.	2.6	3
78	Admixture, one-source colonization or long-term persistence of maritime pine in the Castilian Plateau? [Spain]. Insights from nuclear microsatellite markers. Forest Systems, 2009, 18, 3.	0.3	1