Christian Lexer

List of Publications by Year
in descending order

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127	9,475	36203	42291
papers	citations	51 h-index	92 g-index

135	135	135	8507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Taxonâ€specific or universal? Using target capture to study the evolutionary history of rapid radiations. Molecular Ecology Resources, 2022, 22, 927-945.	2.2	24
2	Genome Skimming Reveals Widespread Hybridization in a Neotropical Flowering Plant Radiation. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	15
3	Spatial and Ecological Drivers of Genetic Structure in Greek Populations of Alkanna tinctoria (Boraginaceae), a Polyploid Medicinal Herb. Frontiers in Plant Science, 2021, 12, 706574.	1.7	7
4	Adaptive Introgression Facilitates Adaptation to High Latitudes in European Aspen (Populus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.5	19
5	Systematics of Vriesea (Bromeliaceae): phylogenetic relationships based on nuclear gene and partial plastome sequences. Botanical Journal of the Linnean Society, 2020, 192, 656-674.	0.8	23
6	Genomic footprints of repeated evolution of <scp>CAM</scp> photosynthesis in a Neotropical species radiation. Plant, Cell and Environment, 2020, 43, 2987-3001.	2.8	15
7	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
8	Estimating and accounting for genotyping errors in RADâ€seq experiments. Molecular Ecology Resources, 2020, 20, 856-870.	2.2	34
9	The low-copy nuclear gene Agt1 as a novel DNA barcoding marker for Bromeliaceae. BMC Plant Biology, 2020, 20, 111.	1.6	5
10	Phenotypic expression of floral traits in hybrid zones provides insights into their genetic architecture. New Phytologist, 2020, 227, 967-975.	3.5	5
11	Targeted Capture of Hundreds of Nuclear Genes Unravels Phylogenetic Relationships of the Diverse Neotropical Palm Tribe Geonomateae. Frontiers in Plant Science, 2019, 10, 864.	1.7	40
12	Mating system variation in hybrid zones: facilitation, barriers and asymmetries to gene flow. New Phytologist, 2019, 224, 1035-1047.	3.5	46
13	Development of novel microsatellite markers for Alkanna tinctoria Âby comparative transcriptomics. Applications in Plant Sciences, 2019, 7, e11296.	0.8	3
14	The bracteatus pineapple genome and domestication of clonally propagated crops. Nature Genetics, 2019, 51, 1549-1558.	9.4	60
15	Admixture mapping in interspecific Populus hybrids identifies classes of genomic architectures for phytochemical, morphological and growth traits. New Phytologist, 2019, 223, 2076-2089.	3.5	21
16	A dedicated target capture approach reveals variable genetic markers across microâ€and macroâ€evolutionary time scales in palms. Molecular Ecology Resources, 2019, 19, 221-234.	2.2	42
17	Scale and direction of adaptive introgression between black cottonwood (Populus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.0	25
18	Adaptive introgression: a plant perspective. Biology Letters, 2018, 14, 20170688.	1.0	220

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19	Introgression from Populus balsamifera underlies adaptively significant variation and range boundaries in P.Âtrichocarpa. New Phytologist, 2018, 217, 416-427.	3.5	36
20	Molecular ecology studies of species radiations: current research gaps, opportunities and challenges. Molecular Ecology, 2017, 26, 2608-2622.	2.0	34
21	Advances in ecological genomics in forest trees and applications to genetic resources conservation and breeding. Molecular Ecology, 2017, 26, 706-717.	2.0	85
22	Adaptive evolution and segregating load contribute to the genomic landscape of divergence in two tree species connected by episodic gene flow. Molecular Ecology, 2017, 26, 59-76.	2.0	74
23	Fluctuating selection across years and phenotypic variation in food-deceptive orchids. PeerJ, 2017, 5, e3704.	0.9	15
24	Gene flow and diversification in a species complex ofAlcantareainselberg bromeliads. Botanical Journal of the Linnean Society, 2016, 181, 505-520.	0.8	26
25	Genomic and functional approaches reveal a case of adaptive introgression from Populus balsamifera (balsam poplar) in P.Âtrichocarpa (black cottonwood). Molecular Ecology, 2016, 25, 2427-2442.	2.0	85
26	Causes and consequences of large clonal assemblies in a poplar hybrid zone. Molecular Ecology, 2016, 25, 5330-5344.	2.0	7
27	Evolutionary potential in the Alpine: trait heritabilities and performance variation of the dwarf willow Salix herbacea from different elevations and microhabitats. Ecology and Evolution, 2016, 6, 3940-3952.	0.8	98
28	Selection against recombinant hybrids maintains reproductive isolation in hybridizing Populus species despite F₁ fertility and recurrent gene flow. Molecular Ecology, 2016, 25, 2482-2498.	2.0	95
29	Resprouter fraction in Cape Restionaceae assemblages varies with climate and soil type. Functional Ecology, 2016, 30, 1583-1592.	1.7	9
30	Mating system variation and assortative mating of sympatric bromeliads (Pitcairnia spp.) endemic to neotropical inselbergs. American Journal of Botany, 2015, 102, 758-764.	0.8	25
31	Limited pollen flow and high selfing rates toward geographic range limit in an Atlantic forest bromeliad. Flora: Morphology, Distribution, Functional Ecology of Plants, 2015, 211, 1-10.	0.6	16
32	Patterns of genetic diversity and differentiation in resistance gene clusters of two hybridizing European Populus species. Tree Genetics and Genomes, 2015, 11, 1.	0.6	5
33	Genomeâ€wide patterns of differentiation and spatially varying selection between postglacial recolonization lineages of Populus alba (Salicaceae), a widespread forest tree. New Phytologist, 2015, 207, 723-734.	3.5	40
34	The Response of the Alpine Dwarf Shrub Salix herbacea to Altered Snowmelt Timing: Lessons from a Multi-Site Transplant Experiment. PLoS ONE, 2015, 10, e0122395.	1.1	101
35	Effects of Hybridization and Evolutionary Constraints on Secondary Metabolites: The Genetic Architecture of Phenylpropanoids in European Populus Species. PLoS ONE, 2015, 10, e0128200.	1.1	25
36	EFFECTS OF A FIRE RESPONSE TRAIT ON DIVERSIFICATION IN REPLICATED RADIATIONS. Evolution; International Journal of Organic Evolution, 2014, 68, 453-465.	1.1	40

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37	Unexpected ancestry of Populus seedlings from a hybrid zone implies a large role for postzygotic selection in the maintenance of species. Molecular Ecology, 2014, 23, 4316-4330.	2.0	64
38	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.	2.0	45
39	Small-scale patterns in snowmelt timing affect gene flow and the distribution of genetic diversity in the alpine dwarf shrub Salix herbacea. Heredity, 2014, 113, 233-239.	1.2	101
40	Figured grain in aspen is heritable and not affected by graft-transmissible signals. Trees - Structure and Function, 2013, 27, 973-983.	0.9	10
41	Some like it cold: distribution, ecology and phylogeny of ArenariaÂbernensis Favarger (Caryophyllaceae) from the western Prealps in Switzerland. Alpine Botany, 2013, 123, 65-75.	1.1	9
42	Admixture mapping of quantitative traits in Populus hybrid zones: power and limitations. Heredity, 2013, 111, 474-485.	1.2	35
43	Genomic and phenotypic architecture of a spruce hybrid zone (<scp>P</scp>icea) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5	2.0	75
44	Genomic scan for single nucleotide polymorphisms reveals patterns of divergence and gene flow between ecologically divergent species. Molecular Ecology, 2013, 22, 842-855.	2.0	110
45	Integrating the â€˜genomic mosaicâ€™ view of species into studies of biotic interactions: a comment on Bernhardsson etÂal. (). Ecology Letters, 2013, 16, 1515.	3.0	3
46	Differential introgression reveals candidate genes for selection across a spruce (<scp>P</scp>icea) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.5	48
47	COMPONENTS OF REPRODUCTIVE ISOLATION BETWEEN ORCHIS MASCULA AND ORCHIS PAUCIFLORA. Evolution; International Journal of Organic Evolution, 2013, 67, 2083-2093.	1.1	39
48	â€˜Next generationâ€™ biogeography: towards understanding the drivers of species diversification and persistence. Journal of Biogeography, 2013, 40, 1013-1022.	1.4	53
49	Trophic specialization influences the rate of environmental niche evolution in damselfishes (Pomacentridae). Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3662-3669.	1.2	37
50	Effects of interspecific recombination on functional traits in trees revealed by metabolomics and genotyping-by-resequencing. Plant Ecology and Diversity, 2012, 5, 457-471.	1.0	10
51	Recombinant hybrids retain heterozygosity at many loci: new insights into the genomics of reproductive isolation in <scp>P</scp>opulus. Molecular Ecology, 2012, 21, 5042-5058.	2.0	46
52	Molecular phylogenetics of the Brazilian giant bromeliads (Alcantarea, Bromeliaceae): implications for morphological evolution and biogeography. Molecular Phylogenetics and Evolution, 2012, 64, 177-189.	1.2	77
53	Whole genome sequencing (WGS) meets biogeography and shows that genomic selection in forest trees is feasible. New Phytologist, 2012, 196, 652-654.	3.5	9
54	Phylogeography and genetic differentiation along the distributional range of the orchid Epidendrum fulgens: a Neotropical coastal species not restricted to glacial refugia. Journal of Biogeography, 2011, 38, 1923-1935.	1.4	72

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55	Sympatric bromeliad species (Pitcairnia spp.) facilitate tests of mechanisms involved in species cohesion and reproductive isolation in Neotropical inselbergs. Molecular Ecology, 2011, 20, 3185-3201.	2.0	138
56	Tracing the recombination and colonization history of hybrid species in space and time. Molecular Ecology, 2011, 20, 3701-3704.	2.0	2
57	Genetic analysis of post-mating reproductive barriers in hybridizing European Populus species. Heredity, 2011, 107, 478-486.	1.2	29
58	Pollenâ€“pistil interactions and self-incompatibility in the Asteraceae: new insights from studies of Senecio squalidus (Oxford ragwort). Annals of Botany, 2011, 108, 687-698.	1.4	61
59	Characterisation of sunflower-21 (SF21) genes expressed in pollen and pistil of Senecio squalidus (Asteraceae) and their relationship with other members of the SF21 gene family. Sexual Plant Reproduction, 2010, 23, 173-186.	2.2	7
60	Phylogeography of Populus alba (L.) and Populus tremula (L.) in Central Europe: secondary contact and hybridisation during recolonisation from disconnected refugia. Tree Genetics and Genomes, 2010, 6, 439-450.	0.6	51
61	Admixture facilitates adaptation from standing variation in the European aspen (Populus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	2.0	108
62	Hybridization and introgression across different ploidy levels in the Neotropical orchidsEpidendrum fulgensandE.Âpuniceoluteum(Orchidaceae). Molecular Ecology, 2010, 19, 3981-3994.	2.0	94
63	Polymorphism of postmating reproductive isolation within plant species. Taxon, 2010, 59, 1367-1374.	0.4	53
64	Comparative Analysis of Pistil Transcriptomes Reveals Conserved and Novel Genes Expressed in Dry, Wet, and Semidry Stigmas Â. Plant Physiology, 2010, 154, 1347-1360.	2.3	27
65	Genomic Admixture Analysis in European Populus spp. Reveals Unexpected Patterns of Reproductive Isolation and Mating. Genetics, 2010, 186, 699-712.	1.2	88
66	Genetic structure and introgression in riparian populations ofPopulus albaL.. Plant Biosystems, 2010, 144, 656-668.	0.8	27
67	Conservation Genomics. , 2010, , 349-368.		2
68	The use of digital imageâ€based morphometrics to study the phenotypic mosaic in taxa with porous genomes. Taxon, 2009, 58, 349-364.	0.4	46
69	Genetic diversity in Cypripedium calceolus (Orchidaceae) with a focus on north-western Europe, as revealed by plastid DNA length polymorphisms. Annals of Botany, 2009, 104, 517-525.	1.4	49
70	Chloroplast microsatellite markers for the Neotropical orchid genus Epidendrum, and cross-amplification in other Laeliinae species (Orchidaceae). Conservation Genetics Resources, 2009, 1, 505-511.	0.4	19
71	How sympatric is speciation in the Howea palms of Lord Howe Island?. Molecular Ecology, 2009, 18, 3629-3638.	2.0	33
72	Evolution of reproductive isolation in plants. Heredity, 2009, 102, 31-38.	1.2	245

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73	Range-wide patterns of nuclear and chloroplast DNA diversity in Vriesea gigantea (Bromeliaceae), a neotropical forest species. Heredity, 2009, 103, 503-512.	1.2	99
74	Genetic variation in natural populations ofAnthurium sinuatumandA. pentaphyllumvar.pentaphyllum(Araceae) from north-east Brazil using AFLP molecular markers. Botanical Journal of the Linnean Society, 2009, 159, 88-105.	0.8	20
75	Genetic diversity and differentiation in natural and reintroduced populations ofBencomia exstipulataand comparisons withB. caudata(Rosaceae) in the Canary Islands: an analysis using microsatellites. Botanical Journal of the Linnean Society, 2009, 160, 429-441.	0.8	22
76	Genetic relationships and variation in reproductive strategies in four closely related bromeliads adapted to neotropical â€˜inselbergsâ€™: Alcantarea glaziouana, A. regina, A. geniculata and A. imperialis (Bromeliaceae). Annals of Botany, 2009, 103, 65-77.	1.4	70
77	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.	1.2	51
78	Clonality and spatial genetic structure in PopulusÂÃ—Âcanescens and its sympatric backcross parent P. alba in a Central European hybrid zone. New Phytologist, 2008, 177, 506-516.	3.5	59
79	A set of novel DNA polymorphisms within candidate genes potentially involved in ecological divergence between Populus alba and P. tremula, two hybridizing European forest trees. Molecular Ecology Resources, 2008, 8, 188-192.	2.2	12
80	The genic view of plant speciation: recent progress and emerging questions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3023-3036.	1.8	126
81	Admixture as the basis for genetic mapping. Trends in Ecology and Evolution, 2008, 23, 686-694.	4.2	149
82	Isolation and characterization of microsatellite loci in Pitcairnia albiflos (Bromeliaceae), an endemic bromeliad from the Atlantic Rainforest, and crossâ€amplification in other species. Molecular Ecology Resources, 2008, 8, 980-982.	2.2	30
83	A Preliminary Study of Genetic Variation in Populations of Monstera adansonii var. klotzschiana (Araceae) from North-East Brazil, Estimated with AFLP Molecular Markers. Annals of Botany, 2007, 100, 1143-1154.	1.4	24
84	Reconstructing the History of Selection during Homoploid Hybrid Speciation. American Naturalist, 2007, 169, 725-737.	1.0	34
85	Genetic Architecture of Leaf Ecophysiological Traits in Helianthus. Journal of Heredity, 2007, 98, 142-146.	1.0	13
86	Admixture in European Populus hybrid zones makes feasible the mapping of loci that contribute to reproductive isolation and trait differences. Heredity, 2007, 98, 74-84.	1.2	103
87	Population differentiation and species cohesion in two closely related plants adapted to neotropical high-altitude ?inselbergs?, Alcantarea imperialis and Alcantarea geniculata (Bromeliaceae). Molecular Ecology, 2007, 16, 1981-1992.	2.0	126
88	Crossâ€species transfer of nuclear microsatellite markers: potential and limitations. Molecular Ecology, 2007, 16, 3759-3767.	2.0	374
89	A set of polymorphic microsatellite loci forVriesea giganteaandAlcantarea imperialis(Bromeliaceae) and cross-amplification in other bromeliad species. Molecular Ecology Notes, 2007, 7, 654-657.	1.7	53
90	Hybridization and the colonization of novel habitats by annual sunflowers. Genetica, 2007, 129, 149-165.	0.5	345

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91	Reconstructing the History of Selection during Homoploid Hybrid Speciation. American Naturalist, 2007, 169, 725.	1.0	2
92	Hybridization and conservation of Mediterranean orchids: Should we protect the orchid hybrids or the orchid hybrid zones?. Biological Conservation, 2006, 129, 14-23.	1.9	73
93	Genetic architecture of traits associated with serpentine adaptation of Silene vulgaris. Journal of Evolutionary Biology, 2006, 19, 1149-1156.	0.8	51
94	Response to salinity in the homoploid hybrid species Helianthus paradoxus and its progenitors H. annuus and H. petiolaris. New Phytologist, 2006, 170, 615-629.	3.5	41
95	Shared alleles in sympatric oaks: recurrent gene flow is a more parsimonious explanation than ancestral polymorphism. Molecular Ecology, 2006, 15, 2007-2012.	2.0	93
96	Microsatellite signature of ecological selection for salt tolerance in a wild sunflower hybrid species, Helianthus paradoxus. Molecular Ecology, 2006, 15, 4623-4634.	2.0	29
97	Sympatric speciation in palms on an oceanic island. Nature, 2006, 441, 210-213.	13.7	527
98	Sympatric plant speciation in islands? (Reply). Nature, 2006, 443, E12-E13.	13.7	12
99	Towards the era of comparative evolutionary genomics in Brassicaceae. Plant Systematics and Evolution, 2006, 259, 175-198.	0.3	55
100	Contact Zones: Natural Labs for Studying Evolutionary Transitions. Current Biology, 2006, 16, R407-R409.	1.8	25
101	A genetic linkage map of Silene vulgaris based on AFLP markers. Genome, 2006, 49, 320-327.	0.9	28
102	Adaptation to environmental stress: a rare or frequent driver of speciation?. Journal of Evolutionary Biology, 2005, 18, 893-900.	0.8	83
103	Barrier to gene flow between two ecologically divergent Populus species, P. alba (white poplar) and P. tremula (European aspen): the role of ecology and life history in gene introgression. Molecular Ecology, 2005, 14, 1045-1057.	2.0	192
104	Genetics of Species Differences in the Wild Annual Sunflowers, Helianthus annuus and H. petiolaris. Genetics, 2005, 169, 2225-2239.	1.2	64
105	SELECTION ON LEAF ECOPHYSIOLOGICAL TRAITS IN A DESERT HYBRID HELIANTHUS SPECIES AND EARLY-GENERATION HYBRIDS. Evolution; International Journal of Organic Evolution, 2004, 58, 2682.	1.1	9
106	Reconstructing the Origin ofHelianthus deserticola: Survival and Selection on the Desert Floor. American Naturalist, 2004, 164, 145-156.	1.0	64
107	Patterns of variability and gene flow in Medicago citrina, an endangered endemic of islands in the western Mediterranean, as revealed by amplified fragment length polymorphism (AFLP). Molecular Ecology, 2004, 13, 2679-2690.	2.0	78
108	Isolation and characterization of microsatellite loci inBencomia exstipulataandB. caudata(Rosaceae). Molecular Ecology Notes, 2004, 4, 130-132.	1.7	7

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109	SELECTION ON LEAF ECOPHYSIOLOGICAL TRAITS IN A DESERT HYBRID HELIANTHUS SPECIES AND EARLY-GENERATION HYBRIDS. Evolution; International Journal of Organic Evolution, 2004, 58, 2682-2692.	1.1	74
110	Characterization of (GA)n Microsatellite Loci from Quercus Robur. Hereditas, 2004, 129, 183-186.	0.5	192
111	Candidate gene polymorphisms associated with salt tolerance in wild sunflower hybrids: implications for the origin of Helianthus paradoxus , a diploid hybrid species. New Phytologist, 2004, 161, 225-233.	3.5	78
112	Hybrid zones as a tool for identifying adaptive genetic variation in outbreeding forest trees: lessons from wild annual sunflowers (Helianthus spp.). Forest Ecology and Management, 2004, 197, 49-64.	1.4	50
113	Molecular Markers in Plant Genetics and Biotechnology. Kew Bulletin, 2004, 59, 334.	0.4	1
114	Reconstructing the Origin of Helianthus deserticola: Survival and Selection on the Desert Floor. American Naturalist, 2004, 164, 145.	1.0	1
115	Natural selection for salt tolerance quantitative trait loci (QTLs) in wild sunflower hybrids: Implications for the origin of Helianthus paradoxus , a diploid hybrid species. Molecular Ecology, 2003, 12, 1225-1235.	2.0	170
116	THE ORIGIN OF ECOLOGICAL DIVERGENCE IN HELIANTHUS PARADOXUS (ASTERACEAE): SELECTION ON TRANSGRESSIVE CHARACTERS IN A NOVEL HYBRID HABITAT. Evolution; International Journal of Organic Evolution, 2003, 57, 1989-2000.	1.1	144
117	EXPERIMENTAL HYBRIDIZATION AS A TOOL FOR STUDYING SELECTION IN THE WILD. Ecology, 2003, 84, 1688-1699.	1.5	132
118	Major Ecological Transitions in Wild Sunflowers Facilitated by Hybridization. Science, 2003, 301, 1211-1216.	6.0	1,066
119	THE ORIGIN OF ECOLOGICAL DIVERGENCE IN HELIANTHUS PARADOXUS (ASTERACEAE): SELECTION ON TRANSGRESSIVE CHARACTERS IN A NOVEL HYBRID HABITAT. Evolution; International Journal of Organic Evolution, 2003, 57, 1989.	1.1	16
120	Glacial refugia: sanctuaries for allelic richness, but not for gene diversity. Trends in Ecology and Evolution, 2001, 16, 267-269.	4.2	197
121	Microsatellite analysis of maternal half-sib families of Quercus robur, pedunculate oak: II. inferring the number of pollen donors from the offspring. Theoretical and Applied Genetics, 2000, 100, 858-865.	1.8	16
122	Pollen dispersal inferred from paternity analysis in a mixed oak stand ofQuercus roburL. andQ. petraea(Matt.) Liebl.. Molecular Ecology, 1999, 8, 831-841.	2.0	286
123	Microsatellite analysis of maternal half-sib families of Quercus robur, pedunculate oak: detection of seed contaminations and inference of the seed parents from the offspring. Theoretical and Applied Genetics, 1999, 99, 185-191.	1.8	19
124	A genetic linkage map of Quercus robur L. (pedunculate oak) based on RAPD, SCAR, microsatellite, minisatellite, isozyme and 5S rDNA markers. Theoretical and Applied Genetics, 1998, 97, 1090-1103.	1.8	125
125	Identification and characterization of (GA/CT)n-microsatellite loci from Quercus petraea. Plant Molecular Biology, 1997, 33, 1093-1096.	2.0	261
126	Conservation of (GA) n microsatellite loci between Quercus species. Molecular Ecology, 1997, 6, 1189-1194.	2.0	129

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127	Spatiotemporal Variation on Fertility, Mating System, and Gene Flow in Vriesea gigantea (Bromeliaceae), an Atlantic Forest Species. Frontiers in Forests and Global Change, 0, 5, .	1.0	2