LorenÂ H Rieseberg

List of Publications by Year
in descending order

441 papers	45,524 citations	1614 105 h-index	2895 190 g-index
511 all docs	511 docs citations	511 times ranked	28809 citing authors

#	Article	IF	Citations
1	Towards nextâ€generation biodiversity assessment using DNA metabarcoding. Molecular Ecology, 2012, 21, 2045-2050.	3.9	1,253
2	Chromosomal rearrangements and speciation. Trends in Ecology and Evolution, 2001, 16, 351-358.	8.7	1,229
3	The frequency of polyploid speciation in vascular plants. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13875-13879.	7.1	1,136
4	Hybrid Origins of Plant Species. Annual Review of Ecology, Evolution, and Systematics, 1997, 28, 359-389.	6.7	1,096
5	Major Ecological Transitions in Wild Sunflowers Facilitated by Hybridization. Science, 2003, 301, 1211-1216.	12.6	1,066
6	Plant Speciation. Science, 2007, 317, 910-914.	12.6	966
7	Transgressive segregation, adaptation and speciation. Heredity, 1999, 83, 363-372.	2.6	955
8	Environmental DNA. Molecular Ecology, 2012, 21, 1789-1793.	3.9	926
9	Increasing homogeneity in global food supplies and the implications for food security. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4001-4006.	7.1	757
10	The sunflower genome provides insights into oil metabolism, flowering and Asterid evolution. Nature, 2017, 546, 148-152.	27.8	579
11	Molecular Data and the Dynamic Nature of Polyploidy. Critical Reviews in Plant Sciences, 1993, 12, 243-273.	5.7	577
12	Trends in Global Agricultural Land Use: Implications for Environmental Health and Food Security. Annual Review of Plant Biology, 2018, 69, 789-815.	18.7	559
13	Revisiting the Impact of Inversions in Evolution: From Population Genetic Markers to Drivers of Adaptive Shifts and Speciation?. Annual Review of Ecology, Evolution, and Systematics, 2008, 39, 21-42.	8.3	553
14	Hybrid Zones and the Genetic Architecture of a Barrier to Gene Flow Between Two Sunflower Species. Genetics, 1999, 152, 713-727.	2.9	524
15	Hybridization and extinction. Evolutionary Applications, 2016, 9, 892-908.	3.1	517
16	Plant hybridization. New Phytologist, 1998, 140, 599-624.	7.3	469
17	Feeding the future. Nature, 2013, 499, 23-24.	27.8	464
18	A genomic perspective on hybridization and speciation. Molecular Ecology, 2016, 25, 2337-2360.	3.9	458

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19	Role of Gene Interactions in Hybrid Speciation: Evidence from Ancient and Experimental Hybrids. Science, 1996, 272, 741-745.	12.6	429
20	Recently Formed Polyploid Plants Diversify at Lower Rates. Science, 2011, 333, 1257-1257.	12.6	424
21	Predicting the Risk of Extinction through Hybridization. Conservation Biology, 2001, 15, 1039-1053.	4.7	422
22	How species evolve collectively: implications of gene flow and selection for the spread of advantageous alleles. Molecular Ecology, 2004, 13, 1341-1356.	3.9	383
23	Distribution of spontaneous plant hybrids.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 5090-5093.	7.1	373
24	Reconstructing patterns of reticulate evolution in plants. American Journal of Botany, 2004, 91, 1700-1708.	1.7	358
25	A genomic view of introgression and hybrid speciation. Current Opinion in Genetics and Development, 2007, 17, 513-518.	3.3	348
26	Hybridization and the colonization of novel habitats by annual sunflowers. Genetica, 2007, 129, 149-165.	1.1	345
27	What we still don't know about invasion genetics. Molecular Ecology, 2015, 24, 2277-2297.	3.9	344
28	Hybrid speciation accompanied by genomic reorganization in wild sunflowers. Nature, 1995, 375, 313-316.	27.8	341
29	The likelihood of homoploid hybrid speciation. Heredity, 2000, 84, 441-451.	2.6	329
30	The Ecological Genetics of Homoploid Hybrid Speciation. Journal of Heredity, 2005, 96, 241-252.	2.4	329
31	Multiple Paleopolyploidizations during the Evolution of the Compositae Reveal Parallel Patterns of Duplicate Gene Retention after Millions of Years. Molecular Biology and Evolution, 2008, 25, 2445-2455.	8.9	322
32	What Can Molecular and Morphological Markers Tells Us About Plant Hybridization?. Critical Reviews in Plant Sciences, 1993, 12, 213-213.	5.7	317
33	Convergent local adaptation to climate in distantly related conifers. Science, 2016, 353, 1431-1433.	12.6	303
34	The origins of reproductive isolation in plants. New Phytologist, 2015, 207, 968-984.	7.3	288
35	HOMOPLOID RETICULATE EVOLUTION IN HELIANTHUS (ASTERACEAE): EVIDENCE FROM RIBOSOMAL GENES. American Journal of Botany, 1991, 78, 1218-1237.	1.7	282
36	Speciation genes in plants. Annals of Botany, 2010, 106, 439-455.	2.9	279

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37	The speed of ecological speciation. Functional Ecology, 2007, 21, 455-464.	3.6	277
38	Metaâ€barcoding of â€˜dirtâ€™ DNA from soil reflects vertebrate biodiversity. Molecular Ecology, 2012, 21, 1966-1979.	3.9	276
39	Homology among RAPD fragments in interspecific comparisons. Molecular Ecology, 1996, 5, 99-105.	3.9	269
40	Soil sampling and isolation of extracellular DNA from large amount of starting material suitable for metabarcoding studies. Molecular Ecology, 2012, 21, 1816-1820.	3.9	264
41	Genomic islands of divergence are not affected by geography of speciation in sunflowers. Nature Communications, 2013, 4, 1827.	12.8	263
42	Massive haplotypes underlie ecotypic differentiation in sunflowers. Nature, 2020, 584, 602-607.	27.8	263
43	New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. Molecular Ecology, 2012, 21, 1821-1833.	3.9	259
44	Adaptive Introgression of Herbivore Resistance Traits in the Weedy SunflowerHelianthus annuus. American Naturalist, 2006, 167, 794-807.	2.1	255
45	Genetic Analysis of Sunflower Domestication. Genetics, 2002, 161, 1257-1267.	2.9	252
46	The role of hybridization in evolution: old wine in new skins. American Journal of Botany, 1995, 82, 944-953.	1.7	246
47	Bioinformatic challenges for DNA metabarcoding of plants and animals. Molecular Ecology, 2012, 21, 1834-1847.	3.9	243
48	The nature of plant species. Nature, 2006, 440, 524-527.	27.8	241
49	The genetic architecture necessary for transgressive segregation is common in both natural and domesticated populations. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 1141-1147.	4.0	240
50	A Bt TRANSGENE REDUCES HERBIVORY AND ENHANCES FECUNDITY IN WILD SUNFLOWERS. , 2003, 13, 279-286.		239
51	Early genome duplications in conifers and other seed plants. Science Advances, 2015, 1, e1501084.	10.3	236
52	What can patterns of differentiation across plant genomes tell us about adaptation and speciation?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 364-373.	4.0	234
53	Are many plant species paraphyletic?. Taxon, 1994, 43, 21-32.	0.7	228
54	How Robust Are "Isolation with Migration" Analyses to Violations of the IM Model? A Simulation Study. Molecular Biology and Evolution, 2010, 27, 297-310.	8.9	217

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55	Parallel genotypic adaptation: when evolution repeats itself. Genetica, 2005, 123, 157-170.	1.1	199
56	AUTOPOLYPLOIDY IN TOLMIEA MENZIESII (SAXIFRAGACEAE): GENETIC INSIGHTS FROM ENZYME ELECTROPHORESIS. American Journal of Botany, 1986, 73, 310-318.	1.7	197
57	Hybridization, introgression, and linkage evolution. Plant Molecular Biology, 2000, 42, 205-224.	3.9	194
58	Origin of extant domesticated sunflowers in eastern North America. Nature, 2004, 430, 201-205.	27.8	186
59	The Role of Hybridization in Evolution: Old Wine in New Skins. American Journal of Botany, 1995, 82, 944.	1.7	183
60	Directional selection is the primary cause of phenotypic diversification. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12242-12245.	7.1	183
61	The Role of Recently Derived FT Paralogs in Sunflower Domestication. Current Biology, 2010, 20, 629-635.	3.9	183
62	Two decades of describing the unseen majority of aquatic microbial diversity. Molecular Ecology, 2012, 21, 1878-1896.	3.9	180
63	Rapid hybrid speciation in wild sunflowers. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 11757-11762.	7.1	178
64	A target enrichment method for gathering phylogenetic information from hundreds of loci: An example from the Compositae. Applications in Plant Sciences, 2014, 2, 1300085.	2.1	178
65	Extensive Chromosomal Repatterning and the Evolution of Sterility Barriers in Hybrid Sunflower Species. Genetics, 2005, 171, 291-303.	2.9	175
66	The role of homoploid hybridization in evolution: A century of studies synthesizing genetics and ecology. American Journal of Botany, 2014, 101, 1247-1258.	1.7	173
67	Gene flow between cultivated and wild sunflowers. Theoretical and Applied Genetics, 1994, 89, 655-660.	3.6	172
68	Changes in the rootâ€associated fungal communities along a primary succession gradient analysed by 454 pyrosequencing. Molecular Ecology, 2012, 21, 1897-1908.	3.9	172
69	Sunflower pan-genome analysis shows that hybridization altered gene content and disease resistance. Nature Plants, 2019, 5, 54-62.	9.3	172
70	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.	3.9	170
71	Long-term introgression of crop genes into wild sunflower populations. Theoretical and Applied Genetics, 1998, 96, 339-347.	3.6	166
72	Recombination Rate Evolution and the Origin of Species. Trends in Ecology and Evolution, 2016, 31, 226-236.	8.7	165

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73	MOLECULAR TESTS OF THE HYPOTHESIZED HYBRID ORIGIN OF TWO DIPLOID HELIANTHUS SPECIES (ASTERACEAE). Evolution; International Journal of Organic Evolution, 1990, 44, 1498-1511.	2.3	162
74	Adaptive introgression of abiotic tolerance traits in the sunflowerHelianthus annuus. New Phytologist, 2010, 187, 230-239.	7.3	159
75	The biological reality of species: gene flow, selection, and collective evolution. Taxon, 2001, 50, 47-67.	0.7	155
76	Rampant Gene Exchange Across a Strong Reproductive Barrier Between the Annual Sunflowers, Helianthus annuus and H. petiolaris. Genetics, 2007, 175, 1883-1893.	2.9	154
77	Molecular marker incongruence in plant hybrid zones and phylogenetic trees. Acta Botanica Neerlandica, 1996, 45, 243-262.	0.9	153
78	Genome skimming reveals the origin of the Jerusalem Artichoke tuber crop species: neither from Jerusalem nor an artichoke. New Phytologist, 2014, 201, 1021-1030.	7.3	151
79	Genetic Architecture of Species Differences in Annual Sunflowers: Implications for Adaptive Trait Introgression. Genetics, 1999, 153, 965-977.	2.9	151
80	The persistence of cultivar alleles in wild populations of sunflowers five generations after hybridization. Theoretical and Applied Genetics, 1997, 95, 33-40.	3.6	150
81	Data Archiving. American Naturalist, 2010, 175, 145-146.	2.1	150
82	A MOLECULAR REEXAMINATION OF INTROGRESSION BETWEEN HELIANTHUS ANNUUS AND H. BOLANDERI (COMPOSITAE). Evolution; International Journal of Organic Evolution, 1988, 42, 227-238.	2.3	145
83	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.	2.3	144
84	Molecular Evidence and Plant Introgression. , 1992, , 151-176.		140
85	Helianthus annuus ssp. texanus has chloroplast DNA and nuclear ribosomal RNA genes of Helianthus debilis ssp. cucumerifolius.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 593-597.	7.1	139
86	Phylogenetic and Systematic Inferences from Chloroplast DNA and Isozyme Variation in Helianthus sect. Helianthus (Asteraceae). Systematic Botany, 1991, 16, 50.	0.5	139
87	The Accumulation of Deleterious Mutations as a Consequence of Domestication and Improvement in Sunflowers and Other Compositae Crops. Molecular Biology and Evolution, 2015, 32, 2273-2283.	8.9	139
88	The speed of ecological speciation. Functional Ecology, 2007, 21, 455-464.	3.6	135
89	Fitness Effects of Transgenic Disease Resistance in Sunflowers. Science, 2003, 300, 1250-1250.	12.6	134
90	Interspecific pollen competition as a reproductive barrier between sympatric species of Helianthus (Asteraceae). American Journal of Botany, 1995, 82, 515-519.	1.7	132

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91	EXPERIMENTAL HYBRIDIZATION AS A TOOL FOR STUDYING SELECTION IN THE WILD. Ecology, 2003, 84, 1688-1699.	3.2	132
92	RNA-Seq Analysis of Allele-Specific Expression, Hybrid Effects, and Regulatory Divergence in Hybrids Compared with Their Parents from Natural Populations. Genome Biology and Evolution, 2013, 5, 1309-1323.	2.5	131
93	On the adaptive value of cytoplasmic genomes in plants. Molecular Ecology, 2014, 23, 4899-4911.	3.9	129
94	Homoploid Reticulate Evolution in Helianthus (Asteraceae): Evidence from Ribosomal Genes. American Journal of Botany, 1991, 78, 1218.	1.7	128
95	High biological species diversity in the arctic flora. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 972-975.	7.1	126
96	Transgressive character expression in a hybrid sunflower species. American Journal of Botany, 2001, 88, 270-277.	1.7	125
97	Origins of food crops connect countries worldwide. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160792.	2.6	125
98	Two Independent Loci Control Agamospermy (Apomixis) in the Triploid Flowering Plant Erigeron annuus. Genetics, 2000, 155, 379-390.	2.9	125
99	EVOLUTIONARY CHANGES OVER THE FIFTY-YEAR HISTORY OF A HYBRID POPULATION OF SUNFLOWERS (HELIANTHUS). Evolution; International Journal of Organic Evolution, 2000, 54, 462-474.	2.3	123
100	Functional androdioecy in the flowering plant Datisca glomerata. Nature, 1990, 343, 641-642.	27.8	122
101	Fecundity, phenology, and seed dormancy of F1 wild-crop hybrids in sunflower (Helianthus annuus,) Tj ETQq1 1 0.784314 rgBT /Overl	1.7	119
102	Genomic map of a diploid hybrid species. Heredity, 1993, 70, 285-293.	2.6	118
103	An evaluation of alternative explanations for widespread cytonuclear discordance in annual sunflowers (Helianthus). New Phytologist, 2019, 221, 515-526.	7.3	118
104	Likely multiple origins of a diploid hybrid sunflower species. Molecular Ecology, 2002, 11, 1703-1715.	3.9	117
105	SSRs and INDELs mined from the sunflower EST database: abundance, polymorphisms, and cross-taxa utility. Theoretical and Applied Genetics, 2008, 117, 1021-1029.	3.6	117
106	Microarray analysis reveals differential gene expression in hybrid sunflower species. Molecular Ecology, 2006, 15, 1213-1227.	3.9	116
107	Association Mapping and the Genomic Consequences of Selection in Sunflower. PLoS Genetics, 2013, 9, e1003378.	3.5	116
108	Multiple introductions, admixture and bridgehead invasion characterize the introduction history of Ambrosia artemisiifolia in Europe and Australia. Molecular Ecology, 2017, 26, 5421-5434.	3.9	116

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109	MOLECULAR DEMOGRAPHIC HISTORY OF THE ANNUAL SUNFLOWERSHELIANTHUS ANNUUSANDH. PETIOLARIS-LARGE EFFECTIVE POPULATION SIZES AND RATES OF LONG-TERM GENE FLOW. Evolution; International Journal of Organic Evolution, 2008, 62, 1936-1950.	2.3	113
110	Hybridization and genome size evolution: timing and magnitude of nuclear DNA content increases in Helianthus homoploid hybrid species. New Phytologist, 2005, 167, 623-630.	7.3	112
111	Selective Sweeps Reveal Candidate Genes for Adaptation to Drought and Salt Tolerance in Common Sunflower, Helianthus annuus. Genetics, 2007, 175, 1823-1834.	2.9	112
112	ITS sequence data support a single origin for North American Astereae (Asteraceae) and reflect deep geographic divisions in Aster s.l.. American Journal of Botany, 1999, 86, 398-412.	1.7	111
113	High outcrossing rates maintain male and hermaphrodite individuals in populations of the flowering plant Datisca glomerata. Nature, 1992, 359, 633-636.	27.8	110
114	Tracking earthworm communities from soil DNA. Molecular Ecology, 2012, 21, 2017-2030.	3.9	109
115	Genomic evidence for the parallel evolution of coastal forms in the Senecio lautus complex. Molecular Ecology, 2013, 22, 2941-2952.	3.9	109
116	COMPARATIVE GENOMIC AND POPULATION GENETIC ANALYSES INDICATE HIGHLY POROUS GENOMES AND HIGH LEVELS OF GENE FLOW BETWEEN DIVERGENTHELIANTHUSSPECIES. Evolution; International Journal of Organic Evolution, 2009, 63, 2061-2075.	2.3	107
117	Adaptation with gene flow across the landscape in a dune sunflower. Molecular Ecology, 2012, 21, 2078-2091.	3.9	106
118	The genome sequence of the outbreeding globe artichoke constructed de novo incorporating a phase-aware low-pass sequencing strategy of F1 progeny. Scientific Reports, 2016, 6, 19427.	3.3	106
119	Plant species richness belowground: higher richness and new patterns revealed by nextâ€generation sequencing. Molecular Ecology, 2012, 21, 2004-2016.	3.9	105
120	Phenotypic Differentiation between Three Ancient Hybrid Taxa and Their Parental Species. International Journal of Plant Sciences, 2002, 163, 387-398.	1.3	101
121	Integration of populations and differentiation of species. New Phytologist, 2004, 161, 59-69.	7.3	101
122	De Novo Genome Assembly of the Economically Important Weed Horseweed Using Integrated Data from Multiple Sequencing Platforms Â Â Â. Plant Physiology, 2014, 166, 1241-1254.	4.8	101
123	Comparative Mapping and Rapid Karyotypic Evolution in the Genus Helianthus. Genetics, 2004, 167, 449-457.	2.9	100
124	A road map for molecular ecology. Molecular Ecology, 2013, 22, 2605-2626.	3.9	100
125	Multiple chromosomal inversions contribute to adaptive divergence of a dune sunflower ecotype. Molecular Ecology, 2020, 29, 2535-2549.	3.9	100
126	Genetic differentiation in life-history traits of introduced and native common ragweed (Ambrosia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	99

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127	The Correlation of Evolutionary Rate with Pathway Position in Plant Terpenoid Biosynthesis. Molecular Biology and Evolution, 2009, 26, 1045-1053.	8.9	98
128	Most Compositae (Asteraceae) are descendants of a paleohexaploid and all share a paleotetraploid ancestor with the Calyceraceae. American Journal of Botany, 2016, 103, 1203-1211.	1.7	98
129	Identification and mapping of SNPs from ESTs in sunflower. Theoretical and Applied Genetics, 2005, 111, 1532-1544.	3.6	97
130	Sunflower domestication alleles support single domestication center in eastern North America. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14360-14365.	7.1	97
131	DIVERGENCE IS FOCUSED ON FEW GENOMIC REGIONS EARLY IN SPECIATION: INCIPIENT SPECIATION OF SUNFLOWER ECOTYPES. Evolution; International Journal of Organic Evolution, 2013, 67, 2468-2482.	2.3	97
132	Development of a 10,000 Locus Genetic Map of the Sunflower Genome Based on Multiple Crosses. G3: Genes, Genomes, Genetics, 2012, 2, 721-729.	1.8	96
133	Molecular Tests of the Hypothesized Hybrid Origin of Two Diploid Helianthus Species (Asteraceae). Evolution; International Journal of Organic Evolution, 1990, 44, 1498.	2.3	94
134	THE RATE OF GENOME STABILIZATION IN HOMOPLOID HYBRID SPECIES. Evolution; International Journal of Organic Evolution, 2008, 62, 266-275.	2.3	94
135	Ecological selection maintains cytonuclear incompatibilities in hybridizing sunflowers. Ecology Letters, 2008, 11, 1082-1091.	6.4	93
136	Genome scan of hybridizing sunflowers from Texas (Helianthus annuusandH. debilis) reveals asymmetric patterns of introgression and small islands of genomic differentiation. Molecular Ecology, 2010, 19, 521-541.	3.9	93
137	Genomic Patterns of Adaptive Divergence between Chromosomally Differentiated Sunflower Species. Molecular Biology and Evolution, 2009, 26, 1341-1355.	8.9	91
138	Molecular Evidence and the Origin and Development of the Domesticated Sunflower (Helianthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.7	90
139	Androdioecy is Derived from Dioecy in Datiscaceae: Evidence from Restriction Site Mapping of PCR-Amplified Chloroplast DNA Fragments. Systematic Botany, 1992, 17, 324.	0.5	90
140	Frequency, Origins, and Evolutionary Role of Chromosomal Inversions in Plants. Frontiers in Plant Science, 2020, 11, 296.	3.6	89
141	Origin(s) of the diploid hybrid species Helianthus deserticola (Asteraceae). American Journal of Botany, 2003, 90, 1708-1719.	1.7	88
142	Effective Population Size Is Positively Correlated with Levels of Adaptive Divergence among Annual Sunflowers. Molecular Biology and Evolution, 2011, 28, 1569-1580.	8.9	88
143	The sunflower (Helianthus annuus L.) genome reflects a recent history of biased accumulation of transposable elements. Plant Journal, 2012, 72, 142-153.	5.7	88
144	The potential for gene flow between cultivated and wild sunflower (Helianthus annuus) in the United States. American Journal of Botany, 2002, 89, 1550-1552.	1.7	84

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145	Hybridization in the Island Endemic, Catalina Mahogany. Conservation Biology, 1989, 3, 52-58.	4.7	83
146	EvoPipes.net: Bioinformatic Tools for Ecological and Evolutionary Genomics. Evolutionary Bioinformatics, 2010, 6, EBO.S5861.	1.2	83
147	The Genetics and Genomics of Plant Domestication. BioScience, 2017, 67, 971-982.	4.9	83
148	Hybridization in the Catalina Island Mountain Mahogany (Cercocarpus traskiae): RAPD Evidence. Conservation Biology, 1995, 9, 199-203.	4.7	82
149	Evolution of Weediness and Invasiveness: Charting the Course for Weed Genomics. Weed Science, 2009, 57, 451-462.	1.5	82
150	Contributions of Flowering Time Genes to Sunflower Domestication and Improvement. Genetics, 2011, 187, 271-287.	2.9	82
151	Methods for studying polyploid diversification and the dead end hypothesis: a reply to Soltis etÂal. (2014). New Phytologist, 2015, 206, 27-35.	7.3	82
152	Polyploid evolution: Keeping the peace at genomic reunions. Current Biology, 2001, 11, R925-R928.	3.9	81
153	Genetic Consequences of Selection During the Evolution of Cultivated Sunflower. Genetics, 2005, 171, 1933-1940.	2.9	80
154	Genomics of Compositae weeds: EST libraries, microarrays, and evidence of introgression. American Journal of Botany, 2012, 99, 209-218.	1.7	80
155	REDUCED DROUGHT TOLERANCE DURING DOMESTICATION AND THE EVOLUTION OF WEEDINESS RESULTS FROM TOLERANCE-GROWTH TRADE-OFFS. Evolution; International Journal of Organic Evolution, 2012, 66, 3803-3814.	2.3	80
156	Autopolyploidy in Tolmiea menziesii (Saxifragaceae): Genetic Insights from Enzyme Electrophoresis. American Journal of Botany, 1986, 73, 310.	1.7	79
157	Genetic Mapping in Hybrid Zones. American Naturalist, 2002, 159, S36-S50.	2.1	79
158	Selection on domestication traits and quantitative trait loci in cropâ€“wild sunflower hybrids. Molecular Ecology, 2008, 17, 666-677.	3.9	79
159	Genome scans reveal candidate domestication and improvement genes in cultivated sunflower, as well as postâ€domestication introgression with wild relatives. New Phytologist, 2015, 206, 830-838.	7.3	79
160	CROSSING RELATIONSHIPS AMONG ANCIENT AND EXPERIMENTAL SUNFLOWER HYBRID LINEAGES. Evolution; International Journal of Organic Evolution, 2000, 54, 859-865.	2.3	78
161	Habitat divergence between a homoploid hybrid sunflower species,Helianthus paradoxus(Asteraceae), and its progenitors. American Journal of Botany, 2002, 89, 472-478.	1.7	78
162	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.	7.3	78

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163	Interpreting the estimated timing of migration events between hybridizing species. Molecular Ecology, 2011, 20, 2353-2366.	3.9	78
164	Rapid evolution of an invasive weed. New Phytologist, 2014, 202, 309-321.	7.3	78
165	Evolution of invasiveness through increased resource use in a vacant niche. Nature Plants, 2015, 1, .	9.3	78
166	CHLOROPLAST DNA INTROGRESSION IN SOUTHERN CALIFORNIA SUNFLOWERS. Evolution; International Journal of Organic Evolution, 1992, 46, 566-572.	2.3	77
167	PATTERNS OF MATING IN WILD SUNFLOWER HYBRID ZONES. Evolution; International Journal of Organic Evolution, 1998, 52, 713-726.	2.3	75
168	Exome capture from the spruce and pine gigaâ€genomes. Molecular Ecology Resources, 2016, 16, 1136-1146.	4.8	75
169	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.	2.3	74
170	Genetics and evolution of weedy Helianthus annuus populations: adaptation of an agricultural weed. Molecular Ecology, 2008, 17, 384-394.	3.9	74
171	RECONCILING EXTREMELY STRONG BARRIERS WITH HIGH LEVELS OF GENE EXCHANGE IN ANNUAL SUNFLOWERS. Evolution; International Journal of Organic Evolution, 2012, 66, 1459-1473.	2.3	74
172	Shared selective pressure and local genomic landscape lead to repeatable patterns of genomic divergence in sunflowers. Molecular Ecology, 2014, 23, 311-324.	3.9	74
173	When gene flow really matters: gene flow in applied evolutionary biology. Evolutionary Applications, 2016, 9, 833-836.	3.1	72
174	Chromosomal evolution and speciation: a recombinationâ€based approach. New Phytologist, 2004, 161, 107-112.	7.3	70
175	The molecular basis of invasiveness: differences in gene expression of native and introduced common ragweed (<scp>A</scp>mbrosia artemisiifolia) in stressful and benign environments. Molecular Ecology, 2013, 22, 2496-2510.	3.9	70
176	Reproductive Isolation during Domestication. Plant Cell, 2012, 24, 2710-2717.	6.6	69
177	Interspecific Pollen Competition as a Reproductive Barrier Between Sympatric Species of Helianthus (Asteraceae). American Journal of Botany, 1995, 82, 515.	1.7	68
178	Increased growth in sunflower correlates with reduced defences and altered gene expression in response to biotic and abiotic stress. Molecular Ecology, 2011, 20, 4683-4694.	3.9	68
179	Progress towards a reference genome for sunflower. Botany, 2011, 89, 429-437.	1.0	67
180	Evolutionary and social consequences of introgression of nontransgenic herbicide resistance from rice to weedy rice in Brazil. Evolutionary Applications, 2016, 9, 837-846.	3.1	67

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