

Loren H Rieseberg

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438
papers

35,198
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99
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174
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511
ext. papers

41,076
ext. citations

7
avg, IF

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L-index

#	Paper	IF	Citations
438	Chromosomal rearrangements and speciation. <i>Trends in Ecology and Evolution</i> , 2001 , 16, 351-358	10.9	985
437	Major ecological transitions in wild sunflowers facilitated by hybridization. <i>Science</i> , 2003 , 301, 1211-6	33.3	881
436	HYBRID ORIGINS OF PLANT SPECIES. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1997 , 28, 359-389		866
435	Towards next-generation biodiversity assessment using DNA metabarcoding. <i>Molecular Ecology</i> , 2012 , 21, 2045-50	5.7	856
434	The frequency of polyploid speciation in vascular plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13875-9	11.5	847
433	Plant speciation. <i>Science</i> , 2007 , 317, 910-4	33.3	790
432	Transgressive segregation, adaptation and speciation. <i>Heredity</i> , 1999 , 83 (Pt 4), 363-72	3.6	780
431	Increasing homogeneity in global food supplies and the implications for food security. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4001-6	11.5	559
430	Molecular Data and the Dynamic Nature of Polyploidy. <i>Critical Reviews in Plant Sciences</i> , 1993 , 12, 243-273		503
429	Hybrid zones and the genetic architecture of a barrier to gene flow between two sunflower species. <i>Genetics</i> , 1999 , 152, 713-27	4	452
428	Plant hybridization. <i>New Phytologist</i> , 1998 , 140, 599-624	9.8	425
427	Revisiting the Impact of Inversions in Evolution: From Population Genetic Markers to Drivers of Adaptive Shifts and Speciation?. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2008 , 39, 21-42	13.5	414
426	Role of Gene Interactions in Hybrid Speciation: Evidence from Ancient and Experimental Hybrids. <i>Science</i> , 1996 , 272, 741-5	33.3	386
425	Predicting the Risk of Extinction through Hybridization. <i>Conservation Biology</i> , 2001 , 15, 1039-1053	6	369
424	Agriculture: Feeding the future. <i>Nature</i> , 2013 , 499, 23-4	50.4	363
423	The sunflower genome provides insights into oil metabolism, flowering and Asterid evolution. <i>Nature</i> , 2017 , 546, 148-152	50.4	344
422	How species evolve collectively: implications of gene flow and selection for the spread of advantageous alleles. <i>Molecular Ecology</i> , 2004 , 13, 1341-56	5.7	329

421	Distribution of spontaneous plant hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996 , 93, 5090-3	11.5	324
420	Hybridization and extinction. <i>Evolutionary Applications</i> , 2016 , 9, 892-908	4.8	321
419	Hybrid speciation accompanied by genomic reorganization in wild sunflowers. <i>Nature</i> , 1995 , 375, 313-316	5.4	311
418	Recently formed polyploid plants diversify at lower rates. <i>Science</i> , 2011 , 333, 1257	33.3	308
417	A genomic view of introgression and hybrid speciation. <i>Current Opinion in Genetics and Development</i> , 2007 , 17, 513-8	4.9	291
416	Hybridization and the colonization of novel habitats by annual sunflowers. <i>Genetica</i> , 2007 , 129, 149-65	1.5	288
415	Trends in Global Agricultural Land Use: Implications for Environmental Health and Food Security. <i>Annual Review of Plant Biology</i> , 2018 , 69, 789-815	30.7	286
414	The likelihood of homoploid hybrid speciation. <i>Heredity</i> , 2000 , 84 (Pt 4), 441-51	3.6	281
413	What Can Molecular and Morphological Markers Tells Us About Plant Hybridization?. <i>Critical Reviews in Plant Sciences</i> , 1993 , 12, 213-213	5.6	279
412	A genomic perspective on hybridization and speciation. <i>Molecular Ecology</i> , 2016 , 25, 2337-60	5.7	278
411	Reconstructing patterns of reticulate evolution in plants. <i>American Journal of Botany</i> , 2004 , 91, 1700-8	2.7	267
410	Multiple paleopolyploidizations during the evolution of the Compositae reveal parallel patterns of duplicate gene retention after millions of years. <i>Molecular Biology and Evolution</i> , 2008 , 25, 2445-55	8.3	264
409	The ecological genetics of homoploid hybrid speciation. <i>Journal of Heredity</i> , 2005 , 96, 241-52	2.4	264
408	HOMOPLOID RETICULATE EVOLUTION IN HELIANTHUS (ASTERACEAE): EVIDENCE FROM RIBOSOMAL GENES. <i>American Journal of Botany</i> , 1991 , 78, 1218-1237	2.7	249
407	Homology among RAPD fragments in interspecific comparisons. <i>Molecular Ecology</i> , 1996 , 5, 99-105	5.7	245
406	The speed of ecological speciation. <i>Functional Ecology</i> , 2007 , 21, 455-464	5.6	242
405	Speciation genes in plants. <i>Annals of Botany</i> , 2010 , 106, 439-55	4.1	228
404	What we still don't know about invasion genetics. <i>Molecular Ecology</i> , 2015 , 24, 2277-97	5.7	223

403	Adaptive introgression of herbivore resistance traits in the weedy sunflower <i>Helianthus annuus</i> . <i>American Naturalist</i> , 2006 , 167, 794-807	3.7	221
402	Genetic analysis of sunflower domestication. <i>Genetics</i> , 2002 , 161, 1257-67	4	217
401	A Bt TRANSGENE REDUCES HERBIVORY AND ENHANCES FECUNDITY IN WILD SUNFLOWERS 2003 , 13, 279-286		207
400	How robust are "isolation with migration" analyses to violations of the im model? A simulation study. <i>Molecular Biology and Evolution</i> , 2010 , 27, 297-310	8.3	200
399	The genetic architecture necessary for transgressive segregation is common in both natural and domesticated populations. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003 , 358, 1141-7	5.8	198
398	Genomic islands of divergence are not affected by geography of speciation in sunflowers. <i>Nature Communications</i> , 2013 , 4, 1827	17.4	197
397	Are many plant species paraphyletic?. <i>Taxon</i> , 1994 , 43, 21-32	0.8	194
396	Convergent local adaptation to climate in distantly related conifers. <i>Science</i> , 2016 , 353, 1431-1433	33.3	185
395	The origins of reproductive isolation in plants. <i>New Phytologist</i> , 2015 , 207, 968-84	9.8	184
394	The nature of plant species. <i>Nature</i> , 2006 , 440, 524-7	50.4	181
393	Meta-barcoding of 'dirt' DNA from soil reflects vertebrate biodiversity. <i>Molecular Ecology</i> , 2012 , 21, 1966-79	5.7	180
392	Bioinformatic challenges for DNA metabarcoding of plants and animals. <i>Molecular Ecology</i> , 2012 , 21, 1834-47	5.7	172
391	Parallel genotypic adaptation: when evolution repeats itself. <i>Genetica</i> , 2005 , 123, 157-70	1.5	169
390	Early genome duplications in conifers and other seed plants. <i>Science Advances</i> , 2015 , 1, e1501084	14.3	167
389	Soil sampling and isolation of extracellular DNA from large amount of starting material suitable for metabarcoding studies. <i>Molecular Ecology</i> , 2012 , 21, 1816-20	5.7	166
388	New environmental metabarcodes for analysing soil DNA: potential for studying past and present ecosystems. <i>Molecular Ecology</i> , 2012 , 21, 1821-33	5.7	166
387	The Role of Hybridization in Evolution: Old Wine in New Skins. <i>American Journal of Botany</i> , 1995 , 82, 944-7		165
386	AUTOPOLYPLOIDY IN TOLMIEA MENZIESII (SAXIFRAGACEAE): GENETIC INSIGHTS FROM ENZYME ELECTROPHORESIS. <i>American Journal of Botany</i> , 1986 , 73, 310-318	2.7	162

385	Origin of extant domesticated sunflowers in eastern North America. <i>Nature</i> , 2004 , 430, 201-5	50.4	161
384	The role of hybridization in evolution: old wine in new skins. <i>American Journal of Botany</i> , 1995 , 82, 944-953		159
383	MOLECULAR TESTS OF THE HYPOTHESIZED HYBRID ORIGIN OF TWO DIPLOID HELIANTHUS SPECIES (ASTERACEAE). <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 1498-1511	3.8	159
382	Hybridization, introgression, and linkage evolution. <i>Plant Molecular Biology</i> , 2000 , 42, 205-224	4.6	158
381	Rapid hybrid speciation in wild sunflowers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 11757-62	11.5	157
380	What can patterns of differentiation across plant genomes tell us about adaptation and speciation?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 364-73	5.8	155
379	Natural selection for salt tolerance quantitative trait loci (QTLs) in wild sunflower hybrids: implications for the origin of <i>Helianthus paradoxus</i> , a diploid hybrid species. <i>Molecular Ecology</i> , 2003 , 12, 1225-35	5.7	154
378	The role of recently derived FT paralogs in sunflower domestication. <i>Current Biology</i> , 2010 , 20, 629-35	6.3	153
377	Directional selection is the primary cause of phenotypic diversification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 12242-5	11.5	153
376	Changes in the root-associated fungal communities along a primary succession gradient analysed by 454 pyrosequencing. <i>Molecular Ecology</i> , 2012 , 21, 1897-908	5.7	151
375	Long-term introgression of crop genes into wild sunflower populations. <i>Theoretical and Applied Genetics</i> , 1998 , 96, 339-47	6	151
374	Gene flow between cultivated and wild sunflowers. <i>Theoretical and Applied Genetics</i> , 1994 , 89, 655-60	6	149
373	Two decades of describing the unseen majority of aquatic microbial diversity. <i>Molecular Ecology</i> , 2012 , 21, 1878-96	5.7	147
372	Rampant gene exchange across a strong reproductive barrier between the annual sunflowers, <i>Helianthus annuus</i> and <i>H. petiolaris</i> . <i>Genetics</i> , 2007 , 175, 1883-93	4	143
371	The biological reality of species: gene flow, selection, and collective evolution. <i>Taxon</i> , 2001 , 50, 47-67	0.8	142
370	Extensive chromosomal repatterning and the evolution of sterility barriers in hybrid sunflower species. <i>Genetics</i> , 2005 , 171, 291-303	4	140
369	The persistence of cultivar alleles in wild populations of sunflowers five generations after hybridization. <i>Theoretical and Applied Genetics</i> , 1997 , 95, 33-40	6	138
368	Molecular marker incongruence in plant hybrid zones and phylogenetic trees. <i>Acta Botanica Neerlandica</i> , 1996 , 45, 243-262		136

367	Genetic architecture of species differences in annual sunflowers: implications for adaptive trait introgression. <i>Genetics</i> , 1999 , 153, 965-77	4	136
366	The role of homoploid hybridization in evolution: a century of studies synthesizing genetics and ecology. <i>American Journal of Botany</i> , 2014 , 101, 1247-58	2.7	134
365	Adaptive introgression of abiotic tolerance traits in the sunflower <i>Helianthus annuus</i> . <i>New Phytologist</i> , 2010 , 187, 230-239	9.8	134
364	The origin of ecological divergence in <i>Helianthus paradoxus</i> (Asteraceae): selection on transgressive characters in a novel hybrid habitat. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 1989-2000	3.8	133
363	A MOLECULAR REEXAMINATION OF INTROGRESSION BETWEEN HELIANTHUS ANNUUS AND H. BOLANDERI (COMPOSITAE). <i>Evolution; International Journal of Organic Evolution</i> , 1988 , 42, 227-238	3.8	130
362	<i>Helianthus annuus</i> ssp. <i>texanus</i> has chloroplast DNA and nuclear ribosomal RNA genes of <i>Helianthus debilis</i> ssp. <i>cucumerifolius</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 593-7	11.5	123
361	A target enrichment method for gathering phylogenetic information from hundreds of loci: An example from the Compositae. <i>Applications in Plant Sciences</i> , 2014 , 2, 1300085	2.3	121
360	Interspecific pollen competition as a reproductive barrier between sympatric species of <i>Helianthus</i> (Asteraceae). <i>American Journal of Botany</i> , 1995 , 82, 515-519	2.7	119
359	Fitness effects of transgenic disease resistance in sunflowers. <i>Science</i> , 2003 , 300, 1250	33.3	116
358	Homoploid Reticulate Evolution in <i>Helianthus</i> (Asteraceae): Evidence from Ribosomal Genes. <i>American Journal of Botany</i> , 1991 , 78, 1218	2.7	116
357	EXPERIMENTAL HYBRIDIZATION AS A TOOL FOR STUDYING SELECTION IN THE WILD. <i>Ecology</i> , 2003 , 84, 1688-1699	4.6	114
356	Evolutionary changes over the fifty-year history of a hybrid population of sunflowers (<i>Helianthus</i>). <i>Evolution; International Journal of Organic Evolution</i> , 2000 , 54, 462-74	3.8	114
355	Molecular Evidence and Plant Introgression 1992 , 151-176		112
354	Transgressive character expression in a hybrid sunflower species. <i>American Journal of Botany</i> , 2001 , 88, 270-277	2.7	111
353	Phylogenetic and Systematic Inferences from Chloroplast DNA and Isozyme Variation in <i>Helianthus</i> sect. <i>Helianthus</i> (Asteraceae). <i>Systematic Botany</i> , 1991 , 16, 50	0.7	111
352	Genomic map of a diploid hybrid species. <i>Heredity</i> , 1993 , 70, 285-293	3.6	111
351	Functional androdioecy in the flowering plant <i>Datisca glomerata</i> . <i>Nature</i> , 1990 , 343, 641-642	50.4	109
350	Genome skimming reveals the origin of the Jerusalem Artichoke tuber crop species: neither from Jerusalem nor an artichoke. <i>New Phytologist</i> , 2014 , 201, 1021-1030	9.8	108

349	High biological species diversity in the arctic flora. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 972-5	11.5	108
348	Sunflower pan-genome analysis shows that hybridization altered gene content and disease resistance. <i>Nature Plants</i> , 2019 , 5, 54-62	11.5	106
347	SSRs and INDELs mined from the sunflower EST database: abundance, polymorphisms, and cross-taxa utility. <i>Theoretical and Applied Genetics</i> , 2008 , 117, 1021-9	6	105
346	Recombination Rate Evolution and the Origin of Species. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 226-236	6.9	104
345	Two independent loci control agamospermy (Apomixis) in the triploid flowering plant <i>Erigeron annuus</i> . <i>Genetics</i> , 2000 , 155, 379-90	4	104
344	High outcrossing rates maintain male and hermaphrodite individuals in populations of the flowering plant <i>Datisca glomerata</i> . <i>Nature</i> , 1992 , 359, 633-636	50.4	103
343	Likely multiple origins of a diploid hybrid sunflower species. <i>Molecular Ecology</i> , 2002 , 11, 1703-15	5.7	102
342	Fecundity, phenology, and seed dormancy of F1 wild-drop hybrids in sunflower (<i>Helianthus annuus</i> , Asteraceae). <i>American Journal of Botany</i> , 1998 , 85, 794-801	2.7	101
341	Selective sweeps reveal candidate genes for adaptation to drought and salt tolerance in common sunflower, <i>Helianthus annuus</i> . <i>Genetics</i> , 2007 , 175, 1823-34	4	99
340	Microarray analysis reveals differential gene expression in hybrid sunflower species. <i>Molecular Ecology</i> , 2006 , 15, 1213-27	5.7	99
339	Molecular demographic history of the annual sunflowers <i>Helianthus annuus</i> and <i>H. petiolaris</i> --large effective population sizes and rates of long-term gene flow. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 1936-50	3.8	98
338	Comparative genomic and population genetic analyses indicate highly porous genomes and high levels of gene flow between divergent <i>Helianthus</i> species. <i>Evolution; International Journal of Organic Evolution</i> , 2009 , 63, 2061-75	3.8	96
337	Integration of populations and differentiation of species. <i>New Phytologist</i> , 2004 , 161, 59-69	9.8	95
336	Hybridization and genome size evolution: timing and magnitude of nuclear DNA content increases in <i>Helianthus</i> homoploid hybrid species. <i>New Phytologist</i> , 2005 , 167, 623-30	9.8	93
335	The Accumulation of Deleterious Mutations as a Consequence of Domestication and Improvement in Sunflowers and Other Compositae Crops. <i>Molecular Biology and Evolution</i> , 2015 , 32, 2273-83	8.3	91
334	Identification and mapping of SNPs from ESTs in sunflower. <i>Theoretical and Applied Genetics</i> , 2005 , 111, 1532-44	6	90
333	Origins of food crops connect countries worldwide. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283, 20160792	4.4	89
332	ITS sequence data support a single origin for North American <i>Astereae</i> (Asteraceae) and reflect deep geographic divisions in <i>Aster</i> s.l.. <i>American Journal of Botany</i> , 1999 , 86, 398-412	2.7	87

331	A road map for molecular ecology. <i>Molecular Ecology</i> , 2013 , 22, 2605-26	5.7	86
330	Phenotypic Differentiation between Three Ancient Hybrid Taxa and Their Parental Species. <i>International Journal of Plant Sciences</i> , 2002 , 163, 387-398	2.6	86
329	RNA-seq analysis of allele-specific expression, hybrid effects, and regulatory divergence in hybrids compared with their parents from natural populations. <i>Genome Biology and Evolution</i> , 2013 , 5, 1309-23	3.9	85
328	Adaptation with gene flow across the landscape in a dune sunflower. <i>Molecular Ecology</i> , 2012 , 21, 2078-91	3.7	84
327	Genomic patterns of adaptive divergence between chromosomally differentiated sunflower species. <i>Molecular Biology and Evolution</i> , 2009 , 26, 1341-55	8.3	84
326	Plant species richness belowground: higher richness and new patterns revealed by next-generation sequencing. <i>Molecular Ecology</i> , 2012 , 21, 2004-16	5.7	83
325	The correlation of evolutionary rate with pathway position in plant terpenoid biosynthesis. <i>Molecular Biology and Evolution</i> , 2009 , 26, 1045-53	8.3	83
324	Massive haplotypes underlie ecotypic differentiation in sunflowers. <i>Nature</i> , 2020 , 584, 602-607	50.4	81
323	Genetic differentiation in life-history traits of introduced and native common ragweed (<i>Ambrosia artemisiifolia</i>) populations. <i>Journal of Evolutionary Biology</i> , 2011 , 24, 2731-49	2.3	81
322	Tracking earthworm communities from soil DNA. <i>Molecular Ecology</i> , 2012 , 21, 2017-30	5.7	80
321	Genomic evidence for the parallel evolution of coastal forms in the <i>Senecio lautus</i> complex. <i>Molecular Ecology</i> , 2013 , 22, 2941-52	5.7	80
320	Association mapping and the genomic consequences of selection in sunflower. <i>PLoS Genetics</i> , 2013 , 9, e1003378	6	80
319	Genome scan of hybridizing sunflowers from Texas (<i>Helianthus annuus</i> and <i>H. debilis</i>) reveals asymmetric patterns of introgression and small islands of genomic differentiation. <i>Molecular Ecology</i> , 2010 , 19, 521-41	5.7	79
318	Divergence is focused on few genomic regions early in speciation: incipient speciation of sunflower ecotypes. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 2468-82	3.8	78
317	Comparative mapping and rapid karyotypic evolution in the genus <i>Helianthus</i> . <i>Genetics</i> , 2004 , 167, 449-57	5.7	78
316	The rate of genome stabilization in homoploid hybrid species. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 266-75	3.8	77
315	Origin(s) of the diploid hybrid species <i>Helianthus deserticola</i> (Asteraceae). <i>American Journal of Botany</i> , 2003 , 90, 1708-19	2.7	77
314	Molecular Evidence and the Origin and Development of the Domesticated Sunflower (<i>Helianthus annuus</i> , Asteraceae). <i>Economic Botany</i> , 1990 , 44, 79-91	1.7	76

313	Autopolyploidy in <i>Tolmiea menziesii</i> (Saxifragaceae): Genetic Insights from Enzyme Electrophoresis. <i>American Journal of Botany</i> , 1986 , 73, 310	2.7	76
312	Ecological selection maintains cytonuclear incompatibilities in hybridizing sunflowers. <i>Ecology Letters</i> , 2008 , 11, 1082-91	10	75
311	The sunflower (<i>Helianthus annuus</i> L.) genome reflects a recent history of biased accumulation of transposable elements. <i>Plant Journal</i> , 2012 , 72, 142-53	6.9	74
310	Sunflower domestication alleles support single domestication center in eastern North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14360-5	11.5	74
309	The potential for gene flow between cultivated and wild sunflower (<i>Helianthus annuus</i>) in the United States. <i>American Journal of Botany</i> , 2002 , 89, 1550-2	2.7	74
308	Genetic mapping in hybrid zones. <i>American Naturalist</i> , 2002 , 159 Suppl 3, S36-50	3.7	73
307	Hybridization in the Catalina Island Mountain Mahogany (<i>Cercocarpus traskiae</i>): RAPD Evidence. <i>Conservation Biology</i> , 1995 , 9, 199-203	6	73
306	The speed of ecological speciation. <i>Functional Ecology</i> , 2007 , 21, 455-464	5.6	73
305	Effective population size is positively correlated with levels of adaptive divergence among annual sunflowers. <i>Molecular Biology and Evolution</i> , 2011 , 28, 1569-80	8.3	72
304	Crossing relationships among ancient and experimental sunflower hybrid lineages. <i>Evolution; International Journal of Organic Evolution</i> , 2000 , 54, 859-65	3.8	72
303	CHLOROPLAST DNA INTROGRESSION IN SOUTHERN CALIFORNIA SUNFLOWERS. <i>Evolution; International Journal of Organic Evolution</i> , 1992 , 46, 566-572	3.8	72
302	Interpreting the estimated timing of migration events between hybridizing species. <i>Molecular Ecology</i> , 2011 , 20, 2353-66	5.7	70
301	Selection on leaf ecophysiological traits in a desert hybrid <i>Helianthus</i> species and early-generation hybrids. <i>Evolution; International Journal of Organic Evolution</i> , 2004 , 58, 2682-92	3.8	70
300	Habitat divergence between a homoploid hybrid sunflower species, <i>Helianthus paradoxus</i> (Asteraceae), and its progenitors. <i>American Journal of Botany</i> , 2002 , 89, 472-8	2.7	70
299	Development of a 10,000 locus genetic map of the sunflower genome based on multiple crosses. <i>G3: Genes, Genomes, Genetics</i> , 2012 , 2, 721-9	3.2	69
298	Polyploid evolution: keeping the peace at genomic reunions. <i>Current Biology</i> , 2001 , 11, R925-8	6.3	69
297	Contributions of flowering time genes to sunflower domestication and improvement. <i>Genetics</i> , 2011 , 187, 271-87	4	68
296	EvoPipes.net: Bioinformatic Tools for Ecological and Evolutionary Genomics. <i>Evolutionary Bioinformatics</i> , 2010 , 6, 143-9	1.9	68

295	Hybridization in the Island Endemic, Catalina Mahogany. <i>Conservation Biology</i> , 1989 , 3, 52-58	6	68
294	On the adaptive value of cytoplasmic genomes in plants. <i>Molecular Ecology</i> , 2014 , 23, 4899-911	5.7	67
293	Candidate gene polymorphisms associated with salt tolerance in wild sunflower hybrids: implications for the origin of <i>Helianthus paradoxus</i> , a diploid hybrid species. <i>New Phytologist</i> , 2004 , 161, 225-233	9.8	67
292	Androdioecy is Derived from Dioecy in Datisceae: Evidence from Restriction Site Mapping of PCR-Amplified Chloroplast DNA Fragments. <i>Systematic Botany</i> , 1992 , 17, 324	0.7	67
291	Genomics of Compositae weeds: EST libraries, microarrays, and evidence of introgression. <i>American Journal of Botany</i> , 2012 , 99, 209-18	2.7	66
290	The genome sequence of the outbreeding globe artichoke constructed de novo incorporating a phase-aware low-pass sequencing strategy of F1 progeny. <i>Scientific Reports</i> , 2016 , 6, 19427	4.9	65
289	PATTERNS OF MATING IN WILD SUNFLOWER HYBRID ZONES. <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 713-726	3.8	65
288	Selection on domestication traits and quantitative trait loci in crop-wild sunflower hybrids. <i>Molecular Ecology</i> , 2008 , 17, 666-77	5.7	64
287	Interspecific Pollen Competition as a Reproductive Barrier Between Sympatric Species of <i>Helianthus</i> (Asteraceae). <i>American Journal of Botany</i> , 1995 , 82, 515	2.7	64
286	Most Compositae (Asteraceae) are descendants of a paleohexaploid and all share a paleotetraploid ancestor with the Calyceraceae. <i>American Journal of Botany</i> , 2016 , 103, 1203-11	2.7	63
285	Reconciling extremely strong barriers with high levels of gene exchange in annual sunflowers. <i>Evolution; International Journal of Organic Evolution</i> , 2012 , 66, 1459-73	3.8	63
284	Genome scans reveal candidate domestication and improvement genes in cultivated sunflower, as well as post-domestication introgression with wild relatives. <i>New Phytologist</i> , 2015 , 206, 830-8	9.8	62
283	Shared selective pressure and local genomic landscape lead to repeatable patterns of genomic divergence in sunflowers. <i>Molecular Ecology</i> , 2014 , 23, 311-24	5.7	62
282	Progress towards a reference genome for sunflower. <i>Botany</i> , 2011 , 89, 429-437	1.3	62
281	Genetic consequences of selection during the evolution of cultivated sunflower. <i>Genetics</i> , 2005 , 171, 1933-40	4	62
280	De novo genome assembly of the economically important weed horseweed using integrated data from multiple sequencing platforms. <i>Plant Physiology</i> , 2014 , 166, 1241-54	6.6	60
279	Multiple introductions, admixture and bridgehead invasion characterize the introduction history of <i>Ambrosia artemisiifolia</i> in Europe and Australia. <i>Molecular Ecology</i> , 2017 , 26, 5421-5434	5.7	60
278	Evolution of Weediness and Invasiveness: Charting the Course for Weed Genomics. <i>Weed Science</i> , 2009 , 57, 451-462	2	60

277	Reconstructing the origin of <i>Helianthus deserticola</i> : survival and selection on the desert floor. <i>American Naturalist</i> , 2004 , 164, 145-56	3.7	59
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30	Parental Population Range Expansion Before Secondary Contact Promotes Heterosis		1
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