

Aaron Liston

List of Publications by Year in descending order

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99
papers

9,347
citations

50170

46
h-index

42291

92
g-index

110
all docs

110
docs citations

110
times ranked

9117
citing authors

#	ARTICLE	IF	CITATIONS
1	The genome of woodland strawberry (<i>Fragaria vesca</i>). <i>Nature Genetics</i> , 2011, 43, 109-116.	9.4	1,091
2	The genome of <i>Eucalyptus grandis</i> . <i>Nature</i> , 2014, 510, 356-362.	13.7	725
3	Navigating the tip of the genomic iceberg: Next-generation sequencing for plant systematics. <i>American Journal of Botany</i> , 2012, 99, 349-364.	0.8	558
4	Increasing phylogenetic resolution at low taxonomic levels using massively parallel sequencing of chloroplast genomes. <i>BMC Biology</i> , 2009, 7, 84.	1.7	504
5	Hyb-Seq: Combining target enrichment and genome skimming for plant phylogenomics. <i>Applications in Plant Sciences</i> , 2014, 2, 1400042.	0.8	405
6	Phylogeny and classification of <i>Pinus</i> . <i>Taxon</i> , 2005, 54, 29-42.	0.4	383
7	Multiplex sequencing of plant chloroplast genomes using Solexa sequencing-by-synthesis technology. <i>Nucleic Acids Research</i> , 2008, 36, e122-e122.	6.5	356
8	Molecular phylogenetics of the clover genus (<i>Trifolium</i> Leguminosae). <i>Molecular Phylogenetics and Evolution</i> , 2006, 39, 688-705.	1.2	245
9	Targeted enrichment strategies for next-generation plant biology. <i>American Journal of Botany</i> , 2012, 99, 291-311.	0.8	212
10	Fossil Calibration of Molecular Divergence Infers a Moderate Mutation Rate and Recent Radiations for <i>Pinus</i> . <i>Molecular Biology and Evolution</i> , 2007, 24, 90-101.	3.5	197
11	Evolutionary Origins and Dynamics of Octoploid Strawberry Subgenomes Revealed by Dense Targeted Capture Linkage Maps. <i>Genome Biology and Evolution</i> , 2014, 6, 3295-3313.	1.1	197
12	Phylogenetics of <i>Pinus</i> (Pinaceae) Based on Nuclear Ribosomal DNA Internal Transcribed Spacer Region Sequences. <i>Molecular Phylogenetics and Evolution</i> , 1999, 11, 95-109.	1.2	179
13	Widespread Genealogical Nonmonophyly in Species of <i>Pinus</i> Subgenus <i>Strobus</i> . <i>Systematic Biology</i> , 2007, 56, 163-181.	2.7	158
14	<i>Fragaria</i> : A genus with deep historical roots and ripe for evolutionary and ecological insights. <i>American Journal of Botany</i> , 2014, 101, 1686-1699.	0.8	149
15	Insights into phylogeny, sex function and age of <i>Fragaria</i> based on whole chloroplast genome sequencing. <i>Molecular Phylogenetics and Evolution</i> , 2013, 66, 17-29.	1.2	144
16	Phylogenomic analyses reveal a deep history of hybridization and polyploidy in the Neotropical genus <i>Lachemilla</i> (Rosaceae). <i>New Phytologist</i> , 2018, 218, 1668-1684.	3.5	141
17	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.	0.2	139
18	Reconciling Conflicting Phylogenies in the Origin of Sweet Potato and Dispersal to Polynesia. <i>Current Biology</i> , 2018, 28, 1246-1256.e12.	1.8	133

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19	Use of Simultaneous Analyses to Guide Fossil-Based Calibrations of Pinaceae Phylogeny. <i>International Journal of Plant Sciences</i> , 2008, 169, 1086-1099.	0.6	132
20	Horizontal Transfer of DNA from the Mitochondrial to the Plastid Genome and Its Subsequent Evolution in Milkweeds (Apocynaceae). <i>Genome Biology and Evolution</i> , 2013, 5, 1872-1885.	1.1	129
21	Reticulate evolution and incomplete lineage sorting among the ponderosa pines. <i>Molecular Phylogenetics and Evolution</i> , 2009, 52, 498-511.	1.2	127
22	Functional androdioecy in the flowering plant <i>Datisca glomerata</i> . <i>Nature</i> , 1990, 343, 641-642.	13.7	122
23	Length Variation in the Nuclear Ribosomal DNA Internal Transcribed Spacer Region of Non-Flowering Seed Plants. <i>Systematic Botany</i> , 1996, 21, 109.	0.2	112
24	Building a model: developing genomic resources for common milkweed (<i>Asclepias syriaca</i>) with low coverage genome sequencing. <i>BMC Genomics</i> , 2011, 12, 211.	1.2	104
25	Phylogenetic marker development for target enrichment from transcriptome and genome skim data: the pipeline and its application in southern African <i>Oxalis</i> (Oxalidaceae). <i>Molecular Ecology Resources</i> , 2016, 16, 1124-1135.	2.2	101
26	Repeat intercontinental dispersal and Pleistocene speciation in disjunct Mediterranean and desert <i>Senecio</i> (Asteraceae). <i>American Journal of Botany</i> , 2003, 90, 1446-1454.	0.8	100
27	Chloroplast DNA characters, phylogeny, and classification of lathyrus (Fabaceae). <i>American Journal of Botany</i> , 1998, 85, 387-401.	0.8	99
28	Population structure and genetic diversity of <i>Botrychium pumicola</i> (Ophioglossaceae) based on inter-simple sequence repeats (ISSR). <i>American Journal of Botany</i> , 2001, 88, 1065-1070.	0.8	88
29	Repeated translocation of a gene cassette drives sex-chromosome turnover in strawberries. <i>PLoS Biology</i> , 2018, 16, e2006062.	2.6	85
30	Functional trait divergence and trait plasticity confer polyploid advantage in heterogeneous environments. <i>New Phytologist</i> , 2019, 221, 2286-2297.	3.5	84
31	Internal transcribed spacer region evolution in <i>Larix</i> and <i>Pseudotsuga</i> (Pinaceae). <i>American Journal of Botany</i> , 1999, 86, 711-723.	0.8	83
32	Evolutionary relationships among <i>Pinus</i> (Pinaceae) subsections inferred from multiple low-copy nuclear loci. <i>American Journal of Botany</i> , 2005, 92, 2086-2100.	0.8	83
33	psbA Mutation (valine219 to isoleucine) in <i>Poa annua</i> resistant to metribuzin and diuron. <i>Pest Management Science</i> , 2000, 56, 209-217.	1.7	79
34	Variation in the nrDNA ITS of <i>Pinus</i> Subsection <i>Cembroides</i> : Implications for Molecular Systematic Studies of Pine Species Complexes. <i>Molecular Phylogenetics and Evolution</i> , 2001, 21, 449-467.	1.2	76
35	Gymnosperms on the EDGE. <i>Scientific Reports</i> , 2018, 8, 6053.	1.6	75
36	Target Capture Sequencing Unravels <i>Rubus</i> Evolution. <i>Frontiers in Plant Science</i> , 2019, 10, 1615.	1.7	73

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37	Evaluating allopolyploid origins in strawberries (<i>Fragaria</i>) using haplotypes generated from target capture sequencing. <i>BMC Evolutionary Biology</i> , 2017, 17, 180.	3.2	69
38	A taxonomic monograph of <i>Ipomoea</i> integrated across phylogenetic scales. <i>Nature Plants</i> , 2019, 5, 1136-1144.	4.7	67
39	Interspecific phylogenetic analysis enhances intraspecific phylogeographical inference: a case study in <i>Pinus lambertiana</i> . <i>Molecular Ecology</i> , 2007, 16, 3926-3937.	2.0	66
40	Mitochondrial genome sequences illuminate maternal lineages of conservation concern in a rare carnivore. <i>BMC Ecology</i> , 2011, 11, 10.	3.0	66
41	The phylogenetic position of the genus <i>Astragalus</i> (fabaceae): Evidence from the chloroplast genes <i>rpoC1</i> and <i>rpoC2</i> . <i>Biochemical Systematics and Ecology</i> , 1994, 22, 377-388.	0.6	63
42	Targeted Sequence Capture Provides Insight into Genome Structure and Genetics of Male Sterility in a Gynodioecious Diploid Strawberry, <i>Fragaria vesca</i> ssp. <i>bracteata</i> (Rosaceae). <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 1341-1351.	0.8	63
43	Phylogenetic signal detection from an ancient rapid radiation: Effects of noise reduction, long-branch attraction, and model selection in crown clade Apocynaceae. <i>Molecular Phylogenetics and Evolution</i> , 2014, 80, 169-185.	1.2	63
44	Revisiting the origin of octoploid strawberry. <i>Nature Genetics</i> , 2020, 52, 2-4.	9.4	58
45	Title is missing!. <i>Plant Ecology</i> , 1998, 139, 49-62.	0.7	52
46	Comparison of nuclear, plastid, and mitochondrial phylogenies and the origin of wild octoploid strawberry species. <i>American Journal of Botany</i> , 2015, 102, 544-554.	0.8	52
47	Multi-locus phylogenetics, lineage sorting, and reticulation in <i>Pinus</i> subsection <i>Australes</i> . <i>American Journal of Botany</i> , 2018, 105, 711-725.	0.8	51
48	Intragenomic polymorphisms among high-copy loci: a genus-wide study of nuclear ribosomal DNA in <i>Asclepias</i> (Apocynaceae). <i>PeerJ</i> , 2015, 3, e718.	0.9	51
49	VARIATION IN THE CHLOROPLAST GENES RPOC1 AND RPOC2 OF THE GENUS ASTRAGALUS (FABACEAE): EVIDENCE FROM RESTRICTION SITE MAPPING OF A PCR-AMPLIFIED FRAGMENT. <i>American Journal of Botany</i> , 1992, 79, 953-961.	0.8	48
50	<i>Ribes</i> (Grossulariaceae) phylogeny as indicated by restriction-site polymorphisms of PCR-amplified chloroplast DNA. <i>Plant Systematics and Evolution</i> , 1999, 217, 185-195.	0.3	47
51	Chloroplast DNA evidence for introgression and long distance dispersal in the desert annual <i>Senecio flavus</i> (Asteraceae). <i>Plant Systematics and Evolution</i> , 1995, 197, 33-41.	0.3	45
52	Adventures in the Enormous: A 1.8 Million Clone BAC Library for the 21.7 Gb Genome of Loblolly Pine. <i>PLoS ONE</i> , 2011, 6, e16214.	1.1	41
53	Plastid genomes reveal recurrent formation of allopolyploid <i>Fragaria</i> . <i>American Journal of Botany</i> , 2018, 105, 862-874.	0.8	39
54	Genome duplication effects on functional traits and fitness are genetic context and species dependent: studies of synthetic polyploid <i>Fragaria</i> . <i>American Journal of Botany</i> , 2020, 107, 262-272.	0.8	38

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55	Strong population structure characterizes weediness gene evolution in the invasive grass species <i>Brachypodium distachyon</i> . <i>Molecular Ecology</i> , 2009, 18, 2588-2601.	2.0	37
56	Homomorphic ZW chromosomes in a wild strawberry show distinctive recombination heterogeneity but a small sex-determining region. <i>New Phytologist</i> , 2016, 211, 1412-1423.	3.5	37
57	Morphological Stasis and Molecular Divergence in the Intercontinental Disjunct Genus <i>Datisca</i> (Datisceae). <i>Aliso</i> , 1989, 12, 525-542.	0.4	37
58	Bioclimatic, ecological, and phenotypic intermediacy and high genetic admixture in a natural hybrid of octoploid strawberries. <i>American Journal of Botany</i> , 2013, 100, 939-950.	0.8	36
59	Genetic diversity of the narrow endemic <i>Astragalus oniciformis</i> (Fabaceae). <i>American Journal of Botany</i> , 2004, 91, 2004-2012.	0.8	33
60	Phylogenetic relationships in <i>Abies</i> (Pinaceae): evidence from PCR-RFLP of the nuclear ribosomal DNA internal transcribed spacer region. <i>Botanical Journal of the Linnean Society</i> , 2004, 145, 425-435.	0.8	31
61	VARIATION IN THE CHLOROPLAST GENES RPOC1 AND RPOC2 OF THE GENUS ASTRAGALUS (FABACEAE): EVIDENCE FROM RESTRICTION SITE MAPPING OF A PCR-AMPLIFIED FRAGMENT. , 1992, 79, 953.		31
62	Intraspecific Chromosome Number Variation: a Neglected Threat to the Conservation of Rare Plants. <i>Conservation Biology</i> , 2008, 22, 1641-1647.	2.4	29
63	Ribosomal DNA evidence for hybridization between island endemic species of <i>Lotus</i> . <i>Biochemical Systematics and Ecology</i> , 1990, 18, 239-244.	0.6	28
64	Analysis of Paralogs in Target Enrichment Data Pinpoints Multiple Ancient Polyploidy Events in <i>Alchemilla</i> s.l. (Rosaceae). <i>Systematic Biology</i> , 2021, 71, 190-207.	2.7	26
65	Use of the Chloroplast Gene <i>ycf1</i> for the Genetic Differentiation of Pine Nuts Obtained from Consumers Experiencing Dysgeusia. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10995-11002.	2.4	22
66	Multilocus Sex Determination Revealed in Two Populations of Gynodioecious Wild Strawberry, <i>Fragaria vesca</i> subsp. <i>bracteata</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2759-2773.	0.8	22
67	Phylogenetics of extant and fossil Pinaceae: methods for increasing topological stability. <i>Botany</i> , 2016, 94, 863-884.	0.5	21
68	Evolution of pyrrolizidine alkaloid biosynthesis in Apocynaceae: revisiting the defence de-escalation hypothesis. <i>New Phytologist</i> , 2018, 218, 762-773.	3.5	21
69	Identification of Larvae of Exotic <i>Tipula paludosa</i> (Diptera: Tipulidae) and <i>T. oleracea</i> in North America Using Mitochondrial <i>cytB</i> Sequences. <i>Annals of the Entomological Society of America</i> , 2006, 99, 33-40.	1.3	20
70	The Biogeography of <i>Plantago ovata</i> Forssk. (Plantaginaceae). <i>International Journal of Plant Sciences</i> , 2008, 169, 954-962.	0.6	20
71	Evolution at the tips: <i>Asclepias</i> phylogenomics and new perspectives on leaf surfaces. <i>American Journal of Botany</i> , 2018, 105, 514-524.	0.8	19
72	A draft genome and transcriptome of common milkweed (<i>Asclepias syriaca</i>) as resources for evolutionary, ecological, and molecular studies in milkweeds and Apocynaceae. <i>PeerJ</i> , 2019, 7, e7649.	0.9	19

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73	Multiple Nuclear Loci Reveal the Distinctiveness of the Threatened, Neotropical <i>Pinus chiapensis</i> . <i>Systematic Botany</i> , 2007, 32, 703-717.	0.2	16
74	The <i>Mimulus moschatus</i> Alliance (Phrymaceae): Molecular and Morphological Phylogenetics and their Conservation Implications. <i>Systematic Botany</i> , 2006, 31, 380-397.	0.2	14
75	Genetic Mapping and Phylogenetic Analysis Reveal Intraspecific Variation in Sex Chromosomes of the Virginian Strawberry. <i>Journal of Heredity</i> , 2017, 108, 731-739.	1.0	14
76	Alternative coding strategies and the inapplicable data coding problem. <i>Taxon</i> , 2000, 49, 47-54.	0.4	13
77	A new interpretation of floral morphology in <i>Garrya</i> (Garryaceae). <i>Taxon</i> , 2003, 52, 271-276.	0.4	13
78	Habitat fragmentation, genetic diversity, and inbreeding depression in a threatened grassland legume: is genetic rescue necessary?. <i>Conservation Genetics</i> , 2011, 12, 881-893.	0.8	13
79	Present-day sympatry belies the evolutionary origin of a high-order polyploid. <i>New Phytologist</i> , 2017, 216, 279-290.	3.5	13
80	Plastome Structural Evolution and Homoplastic Inversions in Neo-Astragalus (Fabaceae). <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	13
81	ABA-regulated ploidy-related genes and non-structural carbon accumulation may underlie cold tolerance in tetraploid <i>Fragaria moupinensis</i> . <i>Environmental and Experimental Botany</i> , 2020, 179, 104232.	2.0	12
82	Chromosome-scale assembly with a phased sex-determining region resolves features of early Z and W chromosome differentiation in a wild octoploid strawberry. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	11
83	Newly developed primers for complete <i>ycf1</i> amplification in <i>Pinus</i> (Pinaceae) chloroplasts with possible family-wide utility. <i>American Journal of Botany</i> , 2011, 98, e185-8.	0.8	10
84	A Molecular Phylogeny of <i>Limnanthes</i> (Limnanthaceae) and Investigation of an Anomalous <i>Limnanthes</i> Population from California, U. S. A.. <i>Systematic Botany</i> , 2010, 35, 552-558.	0.2	9
85	An Evaluation of Putative Sympatric Speciation within <i>Limnanthes</i> (Limnanthaceae). <i>PLoS ONE</i> , 2012, 7, e36480.	1.1	9
86	Polyploidy and Gender Dimorphism. <i>Science</i> , 2001, 291, 1441a-1441.	6.0	8
87	Genetic characterization of three varieties of <i>Astragalus lentiginosus</i> (Fabaceae). <i>Brittonia</i> , 2005, 57, 334-344.	0.8	7
88	Phylogeny of <i>Crataegus</i> (Rosaceae) based on 257 nuclear loci and chloroplast genomes: evaluating the impact of hybridization. <i>PeerJ</i> , 2021, 9, e12418.	0.9	6
89	Implications of Nonadventitious Rhizome Spread on Reproduction, Inbreeding, and Conservation for a Rare Grassland Legume. <i>Journal of Heredity</i> , 2011, 102, 371-379.	1.0	5
90	Whole genome duplication in a threatened grassland plant and the efficacy of seed transfer zones. <i>Diversity and Distributions</i> , 2013, 19, 455-464.	1.9	5

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91	NGS-Indel Coder: A pipeline to code indel characters in phylogenomic data with an example of its application in milkweeds (<i>Asclepias</i>). <i>Molecular Phylogenetics and Evolution</i> , 2019, 139, 106534.	1.2	5
92	Genomics, bioinformatics, and plant systematics. <i>Israel Journal of Plant Sciences</i> , 2002, 50, 89-94.	0.3	3
93	Geographic patterns of genetic variation in three genomes of North American diploid strawberries with special reference to <i>Fragaria vesca</i> subsp. <i>bracteata</i> . <i>Botany</i> , 2015, 93, 573-588.	0.5	3
94	Taxonomic Notes on <i>Astragalus</i> Section <i>Leptocarpi</i> Subsection <i>Californici</i> (Fabaceae). <i>Brittonia</i> , 1990, 42, 100.	0.8	2
95	528 PB 522 WILD RIBES OF THE PACIFIC NORTHWEST. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1994, 29, 507a-507.	0.5	2
96	AN INVESTIGATION OF PUTATIVE TRAGOPOGON MIRUS (ASTERACEAE) POPULATIONS IN OREGON, USA. <i>Madroño</i> , 2005, 52, 35-37.	0.3	1
97	Plant Family Album, An Interactive Botanical Review Volume 1: The Rosidae.. <i>Systematic Botany</i> , 1999, 24, 294.	0.2	0
98	David J. Mabberley—Recipient of the 2004 Raven Award. <i>Systematic Botany</i> , 2005, 30, 7-8.	0.2	0
99	Rupert C. Barneby and His Legume Legacy. <i>Brittonia</i> , 2005, 57, 299-300.	0.8	0