

Thomas Lee Parchman

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56

papers

2,493

citations

26

h-index

49

g-index

65

ext. papers

3,121

ext. citations

7.3

avg, IF

4.96

L-index

#	Paper	IF	Citations
56	Transcriptome sequencing in an ecologically important tree species: assembly, annotation, and marker discovery. <i>BMC Genomics</i> , 2010 , 11, 180	4.5	334
55	Stick insect genomes reveal natural selection's role in parallel speciation. <i>Science</i> , 2014 , 344, 738-42	33.3	315
54	Genome-wide association genetics of an adaptive trait in lodgepole pine. <i>Molecular Ecology</i> , 2012 , 21, 2991-3005	5.7	288
53	Reciprocal selection causes a coevolutionary arms race between crossbills and lodgepole pine. <i>American Naturalist</i> , 2003 , 162, 182-94	3.7	159
52	Experimental evidence for ecological selection on genome variation in the wild. <i>Ecology Letters</i> , 2014 , 17, 369-79	10	94
51	Genomics of isolation in hybrids. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012 , 367, 439-50	5.8	90
50	Dense sampling of bird diversity increases power of comparative genomics. <i>Nature</i> , 2020 , 587, 252-257	50.4	89
49	Genomic consequences of multiple speciation processes in a stick insect. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 5058-65	4.4	83
48	Diversifying coevolution between crossbills and black spruce on Newfoundland. <i>Evolution; International Journal of Organic Evolution</i> , 2002 , 56, 1663-72	3.8	75
47	An introduced and a native vertebrate hybridize to form a genetic bridge to a second native species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 10837-42	11.5	73
46	Patterns of genetic variation in the adaptive radiation of New World crossbills (Aves: Loxia). <i>Molecular Ecology</i> , 2006 , 15, 1873-87	5.7	62
45	Intraspecific phytochemical variation shapes community and population structure for specialist caterpillars. <i>New Phytologist</i> , 2016 , 212, 208-19	9.8	54
44	Selection on a genetic polymorphism counteracts ecological speciation in a stick insect. <i>Current Biology</i> , 2015 , 25, 1975-81	6.3	53
43	Modern approaches to study plant-insect interactions in chemical ecology. <i>Nature Reviews Chemistry</i> , 2018 , 2, 50-64	34.6	47
42	Highly variable reproductive isolation among pairs of <i>Catostomus</i> species. <i>Molecular Ecology</i> , 2015 , 24, 1856-72	5.7	45
41	Predictably harsh environment is associated with reduced cognitive flexibility in wild food-caching mountain chickadees. <i>Animal Behaviour</i> , 2017 , 123, 139-149	2.8	39
40	RADseq approaches and applications for forest tree genetics. <i>Tree Genetics and Genomes</i> , 2018 , 14, 1	2.1	38

39	A New Species Of The Red Crossbill (Fringillidae:Loxia) From Idaho. <i>Condor</i> , 2009 , 111, 169-176	2.1	37
38	Genome-wide association mapping of phenotypic traits subject to a range of intensities of natural selection in <i>Timema cristinae</i> . <i>American Naturalist</i> , 2014 , 183, 711-27	3.7	35
37	Assembly, gene annotation and marker development using 454 floral transcriptome sequences in <i>Ziziphus celata</i> (Rhamnaceae), a highly endangered, Florida endemic plant. <i>DNA Research</i> , 2012 , 19, 1-9	4.5	35
36	Genome divergence and diversification within a geographic mosaic of coevolution. <i>Molecular Ecology</i> , 2016 , 25, 5705-5718	5.7	35
35	The geographic selection mosaic for ponderosa pine and crossbills: a tale of two squirrels. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 348-60	3.8	34
34	Patterns of coevolution in the adaptive radiation of crossbills. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1206, 1-16	6.5	33
33	Inconsistent reproductive isolation revealed by interactions between fish species. <i>Evolution Letters</i> , 2017 , 1, 255-268	5.3	31
32	Do highly divergent loci reside in genomic regions affecting reproductive isolation? A test using next-generation sequence data in <i>Timema</i> stick insects. <i>BMC Evolutionary Biology</i> , 2012 , 12, 164	3	31
31	Low levels of population genetic structure in <i>Pinus contorta</i> (Pinaceae) across a geographic mosaic of co-evolution. <i>American Journal of Botany</i> , 2011 , 98, 669-79	2.7	29
30	Coevolution between Hispaniolan crossbills and pine: does more time allow for greater phenotypic escalation at lower latitude?. <i>Evolution; International Journal of Organic Evolution</i> , 2007 , 61, 2142-53	3.8	24
29	Cross-species transferability of SSR loci developed from transcriptome sequencing in lodgepole pine. <i>Molecular Ecology Resources</i> , 2012 , 12, 448-55	8.4	22
28	The local introduction of strongly interacting species and the loss of geographic variation in species and species interactions. <i>Molecular Ecology</i> , 2008 , 17, 395-404	5.7	22
27	Vertical stratification of the foliar fungal community in the world's tallest trees. <i>American Journal of Botany</i> , 2016 , 103, 2087-2095	2.7	19
26	Large-scale mutation in the evolution of a gene complex for cryptic coloration. <i>Science</i> , 2020 , 369, 460-466	5.3	17
25	Absence of population structure across elevational gradients despite large phenotypic variation in mountain chickadees (). <i>Royal Society Open Science</i> , 2017 , 4, 170057	3.3	16
24	Fine-scale genetic structure among greater sage-grouse leks in central Nevada. <i>BMC Evolutionary Biology</i> , 2016 , 16, 127	3	14
23	Ecology shapes epistasis in a genotype-phenotype-fitness map for stick insect colour. <i>Nature Ecology and Evolution</i> , 2020 , 4, 1673-1684	12.3	13
22	The genetic legacy of 50 years of desert bighorn sheep translocations. <i>Evolutionary Applications</i> , 2019 , 12, 198-213	4.8	12

21	A heritable symbiont and host-associated factors shape fungal endophyte communities across spatial scales. <i>Journal of Ecology</i> , 2018 , 106, 2274-2286	6	12
20	De novo characterization of the <i>Timema cristinae</i> transcriptome facilitates marker discovery and inference of genetic divergence. <i>Molecular Ecology Resources</i> , 2012 , 12, 549-61	8.4	12
19	Host conservatism, geography, and elevation in the evolution of a Neotropical moth radiation. <i>Evolution; International Journal of Organic Evolution</i> , 2017 , 71, 2885-2900	3.8	8
18	New dimensions of tropical diversity: an inordinate fondness for insect molecules, taxa, and trophic interactions. <i>Current Opinion in Insect Science</i> , 2014 , 2, 14-19	5.1	8
17	Resource stability and geographic isolation are associated with genome divergence in western Palearctic crossbills. <i>Journal of Evolutionary Biology</i> , 2018 , 31, 1715-1731	2.3	7
16	Model-based genotype and ancestry estimation for potential hybrids with mixed-ploidy. <i>Molecular Ecology Resources</i> , 2021 , 21, 1434-1451	8.4	7
15	Genetic evidence for species cohesion, substructure and hybrids in spruce. <i>Molecular Ecology</i> , 2019 , 28, 2029-2045	5.7	6
14	Morphometric and Meristic Differences among Bluehead Suckers, Flannelmouth Suckers, White Suckers, and Their Hybrids: Tools for the Management of Native Species in the Upper Colorado River Basin. <i>North American Journal of Fisheries Management</i> , 2009 , 29, 460-467	1.1	6
13	Genome-wide RAD sequencing resolves the evolutionary history of serrate leaf <i>Juniperus</i> and reveals discordance with chloroplast phylogeny. <i>Molecular Phylogenetics and Evolution</i> , 2021 , 156, 107022	4.1	6
12	Rarity does not limit genetic variation or preclude subpopulation structure in the geographically restricted desert forb <i>Astragalus lentiginosus</i> var. <i>piscinensis</i> . <i>American Journal of Botany</i> , 2019 , 106, 260-269	2.7	5
11	A suite of rare microbes interacts with a dominant, heritable, fungal endophyte to influence plant trait expression. <i>ISME Journal</i> , 2021 , 15, 2763-2778	11.9	5
10	Multigenerational backcrossing and introgression between two woodrat species at an abrupt ecological transition. <i>Molecular Ecology</i> , 2021 , 30, 4245-4258	5.7	3
9	The cost of travel: How dispersal ability limits local adaptation in host-parasite interactions. <i>Journal of Evolutionary Biology</i> , 2021 , 34, 512-524	2.3	3
8	Genomic variation in the American pika: signatures of geographic isolation and implications for conservation. <i>Bmc Ecology and Evolution</i> , 2021 , 21, 2	2.1	2
7	How specialized is a soil specialist? Early life history responses of a rare <i>Eriogonum</i> to site-level variation in volcanic soils. <i>American Journal of Botany</i> , 2020 , 107, 1663-1676	2.7	1
6	Genomic and common garden approaches yield complementary results for quantifying environmental drivers of local adaptation in rubber rabbitbrush, a foundational Great Basin shrub.. <i>Evolutionary Applications</i> , 2021 , 14, 2881-2900	4.8	1
5	Phylogenomic analyses resolve relationships among garter snakes (Thamnophis: Natricinae: Colubridae) and elucidate biogeographic history and morphological evolution.. <i>Molecular Phylogenetics and Evolution</i> , 2021 , 167, 107374	4.1	1
4	The influence of history, geography and environment on patterns of diversification in the western terrestrial garter snake. <i>Journal of Biogeography</i> , 2021 , 48, 2226-2245	4.1	1

3	Hierarchical genetic structure and implications for conservation of the world's largest salmonid, Hucho taimen. <i>Scientific Reports</i> , 2021 , 11, 20508	4.9	○
2	Phytochemistry reflects different evolutionary history in traditional classes versus specialized structural motifs. <i>Scientific Reports</i> , 2021 , 11, 17247	4.9	○
1	Phenotypes and environment predict seedling survival for seven co-occurring Great Basin plant taxa growing with invasive grass.. <i>Ecology and Evolution</i> , 2022 , 12, e8870	2.8	○