Leonie C Moyle

List of Publications by Year
in descending order

58 papers	3,361 citations	201575 27 h-index	175177 52 g-index
81 all docs	81 docs citations	81 times ranked	4843 citing authors

#	Article	IF	Citations
1	Phylogenomics Reveals Three Sources of Adaptive Variation during a Rapid Radiation. PLoS Biology, 2016, 14, e1002379.	2.6	364
2	Asymmetric Postmating Isolation: Darwin's Corollary to Haldane's Rule. Genetics, 2007, 176, 1059-1088.	1.2	345
3	Ecological and geographic modes of species divergence in wild tomatoes. American Journal of Botany, 2010, 97, 680-693.	0.8	257
4	PATTERNS OF REPRODUCTIVE ISOLATION IN THREE ANGIOSPERM GENERA. Evolution; International Journal of Organic Evolution, 2004, 58, 1195-1208.	1.1	213
5	Hybrid Incompatibility â€œSnowballsâ€•Between Solanum Species. Science, 2010, 329, 1521-1523.	6.0	211
6	Interspecific reproductive barriers in the tomato clade: opportunities to decipher mechanisms of reproductive isolation. Sexual Plant Reproduction, 2011, 24, 171-187.	2.2	112
7	POPULATION VIABILITY ANALYSIS IN ENDANGERED SPECIES RECOVERY PLANS: PAST USE AND FUTURE IMPROVEMENTS. , 2002, 12, 708-712.		110
8	Genetics of Hybrid Incompatibility Between Lycopersicon esculentum and L. hirsutum. Genetics, 2005, 169, 355-373.	1.2	110
9	Highly contiguous assemblies of 101 drosophilid genomes. ELife, 2021, 10, .	2.8	108
10	ECOLOGICAL AND EVOLUTIONARY GENOMICS IN THE WILD TOMATOES (SOLANUM SECT. LYCOPERSICON). Evolution; International Journal of Organic Evolution, 2008, 62, 2995-3013.	1.1	107
11	The fruit cuticles of wild tomato species exhibit architectural and chemical diversity, providing a new model for studying the evolution of cuticle function. Plant Journal, 2012, 69, 655-666.	2.8	96
12	ENVIRONMENTAL FACTORS PREDICT ADAPTIVE PHENOTYPIC DIFFERENTIATION WITHIN AND BETWEEN TWO WILD ANDEAN TOMATOES. Evolution; International Journal of Organic Evolution, 2008, 62, 774-792.	1.1	86
13	Morphological and anatomical determinants of mesophyll conductance in wild relatives of tomato (<scp>S</scp>olanum sect. <scp>L</scp>ycopersicon, sect.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td (<s 1415-1426.	2.8	82
14	Genome-Wide Associations Between Hybrid Sterility QTL and Marker Transmission Ratio Distortion. Molecular Biology and Evolution, 2006, 23, 973-980.	3.5	65
15	Comparative Genetics of Hybrid Incompatibility: Sterility in Two Solanum Species Crosses. Genetics, 2008, 179, 1437-1453.	1.2	63
16	Dissecting the basis of novel trait evolution in a radiation with widespread phylogenetic discordance. Molecular Ecology, 2018, 27, 3301-3316.	2.0	59
17	Quantitative Genetic Analysis Indicates Natural Selection on Leaf Phenotypes Across Wild Tomato Species (Solanum sect. Lycopersicon; Solanaceae). Genetics, 2014, 198, 1629-1643.	1.2	56
18	THE CONTRIBUTION OF GENE MOVEMENT TO THE â€œTWO RULES OF SPECIATIONâ€• Evolution; International Journal of Organic Evolution, 2010, 64, 1541-1557.	1.1	55

#	Article	IF	Citations
19	Correlates of genetic differentiation and isolation by distance in 17 congeneric Silene species. Molecular Ecology, 2006, 15, 1067-1081.	2.0	53
20	Assessing biological factors affecting postspeciation introgression. Evolution Letters, 2020, 4, 137-154.	1.6	49
21	Pervasive antagonistic interactions among hybrid incompatibility loci. PLoS Genetics, 2017, 13, e1006817.	1.5	46
22	PATTERNS OF REPRODUCTIVE ISOLATION IN NOLANA (CHILEAN BELLFLOWER). Evolution; International Journal of Organic Evolution, 2012, 66, 2628-2636.	1.1	45
23	No evidence for phylogenetic constraint on natural defense evolution among wild tomatoes. Ecology, 2014, 95, 1633-1641.	1.5	39
24	Regional differences in the abiotic environment contribute to genomic divergence within a wild tomato species. Molecular Ecology, 2020, 29, 2204-2217.	2.0	39
25	Sequencing, Assembling, and Correcting Draft Genomes Using Recombinant Populations. G3: Genes, Genomes, Genetics, 2014, 4, 669-679.	0.8	36
26	Complex Epistasis for Dobzhanskyâ€“Muller Hybrid Incompatibility in Solanum. Genetics, 2009, 181, 347-351.	1.2	33
27	Molecular mechanisms of postmating prezygotic reproductive isolation uncovered by transcriptome analysis. Molecular Ecology, 2016, 25, 2592-2608.	2.0	33
28	Comparative Genetics of Potential Prezygotic and Postzygotic Isolating Barriers in a Lycopersicon Species Cross. Journal of Heredity, 2007, 98, 123-135.	1.0	32
29	Hybrid Sterility over Tens of Meters Between Ecotypes Adapted to Serpentine and Non-Serpentine Soils. Evolutionary Biology, 2012, 39, 207-218.	0.5	32
30	Genome-wide patterns of regulatory divergence revealed by introgression lines. Evolution; International Journal of Organic Evolution, 2016, 70, 696-706.	1.1	32
31	Intraspecific sperm competition genes enforce post-mating species barriers inDrosophila. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20142050.	1.2	31
32	Reproductive isolation grows on trees. Trends in Ecology and Evolution, 2009, 24, 591-598.	4.2	28
33	Fertile approaches to dissecting mechanisms of premating and postmating prezygotic reproductive isolation. Current Opinion in Plant Biology, 2014, 18, 16-23.	3.5	27
34	Multiple strong postmating and intrinsic postzygotic reproductive barriers isolate florally diverse species of Jaltomata (Solanaceae). Evolution; International Journal of Organic Evolution, 2017, 71, 1556-1571.	1.1	26
35	Antagonistic epistasis for ecophysiological trait differences between Solanum species. New Phytologist, 2009, 183, 789-802.	3.5	23
36	Reciprocal insights into adaptation from agricultural and evolutionary studies in tomato. Evolutionary Applications, 2010, 3, 409-421.	1.5	19

#	Article	IF	Citations
37	A simple genetic architecture and low constraint allow rapid floral evolution in a diverse and recently radiating plant genus. New Phytologist, 2019, 223, 1009-1022.	3.5	18
38	Evolutionary Implications of Mechanistic Models of TE-Mediated Hybrid Incompatibility. International Journal of Evolutionary Biology, 2012, 2012, 1-12.	1.0	17
39	Genome Sequence ofJaltomataAddresses Rapid Reproductive Trait Evolution and Enhances Comparative Genomics in the Hyper-Diverse Solanaceae. Genome Biology and Evolution, 2019, 11, 335-349.	1.1	17
40	Heterochronic developmental shifts underlie floral diversity within Jaltomata (Solanaceae). EvoDevo, 2017, 8, 17.	1.3	16
41	Conspecific sperm precedence is reinforced, but postcopulatory sexual selection weakened, in sympatric populations ofDrosophila. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20182535.	1.2	15
42	Interspecific Tests of Allelism Reveal the Evolutionary Timing and Pattern of Accumulation of Reproductive Isolation Mutations. PLoS Genetics, 2014, 10, e1004623.	1.5	14
43	Merging Ecology and Genomics to Dissect Diversity in Wild Tomatoes and Their Relatives. Advances in Experimental Medicine and Biology, 2014, 781, 273-298.	0.8	13
44	Desiccation resistance and pigmentation variation reflects bioclimatic differences in the Drosophila americana species complex. BMC Evolutionary Biology, 2019, 19, 204.	3.2	12
45	Reproductive Proteins Evolve Faster Than Non-reproductive Proteins Among Solanum Species. Frontiers in Plant Science, 2021, 12, 635990.	1.7	12
46	Remating responses are consistent with male postcopulatory manipulation but not reinforcement in D.Âpseudoobscura. Ecology and Evolution, 2017, 7, 507-515.	0.8	9
47	Two Loci Contribute Epistastically to Heterospecific Pollen Rejection, a Postmating Isolating Barrier Between Species. G3: Genes, Genomes, Genetics, 2017, 7, 2151-2159.	0.8	9
48	Constitutive and Plastic Gene Expression Variation Associated with Desiccation Resistance Differences in the Drosophila americana Species Group. Genes, 2020, 11, 146.	1.0	8
49	Intraspecific Genetic Variation Underlying Postmating Reproductive Barriers between Species in the Wild Tomato Clade (Solanum sect. Lycopersicon). Journal of Heredity, 2020, 111, 216-226.	1.0	8
50	Introgression shapes fruit color convergence in invasive GalÃ¡pagos tomato. ELife, 2021, 10, .	2.8	8
51	Genetic underpinnings of postzygotic reproductive barriers among plants. New Phytologist, 2008, 179, 572-574.	3.5	7
52	Assortative mating and self-fertilization differ in their contributions to reinforcement, cascade speciation, and diversification. Environmental Epigenetics, 2016, 62, 169-181.	0.9	7
53	A shift to shorter cuticular hydrocarbons accompanies sexual isolation amongDrosophila americanagroup populations. Evolution Letters, 2021, 5, 521-540.	1.6	4
54	Assessing the origin of species in the genomic era. Genome Biology, 2005, 6, 217.	13.9	3

#	Article	IF	Citations
55	Local extirpation is pervasive among historical populations of GalÃ¡pagos endemic tomatoes. Evolutionary Ecology, 2020, 34, 289-307.	0.5	3
56	Most Ingenious: Troubles and Triumphs of a Century of Genes. Biology and Philosophy, 2002, 17, 715-727.	0.7	2
57	Inferring the Genetic Basis of Sex Determination from the Genome of a Dioecious Nightshade. Molecular Biology and Evolution, 2021, 38, 2946-2957.	3.5	2
58	Testing potential mechanisms of conspecific sperm precedence in Drosophila pseudoobscura. Journal of Evolutionary Biology, 2021, 34, 1970-1980.	0.8	0