Gregory L Owens

List of Publications by Year
in descending order

39 papers	2,933 citations	331670 21 h-index	315739 38 g-index
49 all docs	49 docs citations	49 times ranked	4295 citing authors

#	Article	IF	Citations
1	Parallel shifts of visual sensitivity and body coloration in replicate populations of extremophile fish. Molecular Ecology, 2022, 31, 946-958.	3.9	3
2	Genetic basis and dual adaptive role of floral pigmentation in sunflowers. ELife, 2022, 11, .	6.0	24
3	There and back again; historical perspective and future directions for Vaccinium breeding and research studies. Horticulture Research, 2022, 9, .	6.3	27
4	Expression complementation of gene presence/absence polymorphisms in hybrids contributes importantly to heterosis in sunflower. Journal of Advanced Research, 2022, 42, 83-98.	9.5	12
5	Mutation Load in Sunflower Inversions Is Negatively Correlated with Inversion Heterozygosity. Molecular Biology and Evolution, 2022, 39, .	8.9	18
6	Hybrid evolution repeats itself across environmental contexts in Texas sunflowers () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (He	2.3	5
7	From common gardens to candidate genes: an elegant case of homoploid hybrid speciation. Molecular Plant, 2021, 14, 200-201.	8.3	0
8	Standing variation rather than recent adaptive introgression probably underlies differentiation of the texanus subspecies of Helianthus annuus. Molecular Ecology, 2021, 30, 6229-6245.	3.9	13
9	Origins and evolution of extreme life span in Pacific Ocean rockfishes. Science, 2021, 374, 842-847.	12.6	71
10	Shared Patterns of Genome-Wide Differentiation Are More Strongly Predicted by Geography Than by Ecology. American Naturalist, 2020, 195, 192-200.	2.1	17
11	Adaptive introgression during environmental change can weaken reproductive isolation. Nature Climate Change, 2020, 10, 58-62.	18.8	20
12	Multiple chromosomal inversions contribute to adaptive divergence of a dune sunflower ecotype. Molecular Ecology, 2020, 29, 2535-2549.	3.9	100
13	Massive haplotypes underlie ecotypic differentiation in sunflowers. Nature, 2020, 584, 602-607.	27.8	263
14	Contemporary evolution of maize landraces and their wild relatives influenced by gene flow with modern maize varieties. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21302-21311.	7.1	25
15	Hybridization speeds adaptive evolution in an eight-year field experiment. Scientific Reports, 2019, 9, 6746.	3.3	47
16	BSA-seq mapping reveals major QTL for broomrape resistance in four sunflower lines. Molecular Breeding, 2019, 39, 1.	2.1	34
17	Sunflower pan-genome analysis shows that hybridization altered gene content and disease resistance. Nature Plants, 2019, 5, 54-62.	9.3	172
18	Genomic sequence and copy number evolution during hybrid crop development in sunflowers. Evolutionary Applications, 2019, 12, 54-65.	3.1	27

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19	A novel post hoc method for detecting index switching finds no evidence for increased switching on the Illumina HiSeq X. Molecular Ecology Resources, 2018, 18, 169-175.	4.8	25
20	Gene flow in Argentinian sunflowers as revealed by genotypingâ€byâ€sequencing data. Evolutionary Applications, 2018, 11, 193-204.	3.1	23
21	Evolutionary ecology of opsin gene sequence, expression and repertoire. Molecular Ecology, 2017, 26, 1207-1210.	3.9	8
22	The genetic architecture of UV floral patterning in sunflower. Annals of Botany, 2017, 120, 39-50.	2.9	19
23	The sunflower genome provides insights into oil metabolism, flowering and Asterid evolution. Nature, 2017, 546, 148-152.	27.8	579
24	Gene flow and selection interact to promote adaptive divergence in regions of low recombination. Molecular Ecology, 2017, 26, 4378-4390.	3.9	121
25	Revisiting a classic case of introgression: hybridization and gene flow in Californian sunflowers. Molecular Ecology, 2016, 25, 2630-2643.	3.9	49
26	Genome-wide genotyping-by-sequencing data provide a high-resolution view of wild Helianthus diversity, genetic structure, and interspecies gene flow. American Journal of Botany, 2016, 103, 2170-2177.	1.7	48
27	Rapid adaptive evolution of colour vision in the threespine stickleback radiation. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160242.	2.6	42
28	Recurrent selection explains parallel evolution of genomic regions of high relative but low absolute differentiation in a ring species. Molecular Ecology, 2016, 25, 4488-4507.	3.9	98
29	The Genetics of Seasonal Migration and Plumage Color. Current Biology, 2016, 26, 2167-2173.	3.9	101
30	Hybridization and extinction. Evolutionary Applications, 2016, 9, 892-908.	3.1	517
31	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
32	HYBRID INCOMPATIBILITY IS ACQUIRED FASTER IN ANNUAL THAN IN PERENNIAL SPECIES OF SUNFLOWER AND TARWEED. Evolution; International Journal of Organic Evolution, 2014, 68, 893-900.	2.3	26
33	In the four-eyed fish (Anableps anableps), the regions of the retina exposed to aquatic and aerial light do not express the same set of opsin genes. Biology Letters, 2012, 8, 86-89.	2.3	22
34	Opsin gene duplication and divergence in ray-finned fish. Molecular Phylogenetics and Evolution, 2012, 62, 986-1008.	2.7	99
35	Parallel Ecological Speciation in Plants?. International Journal of Ecology, 2012, 2012, 1-17.	0.8	47
36	Intra-retinal variation of opsin gene expression in the guppy (Poecilia reticulata). Journal of Experimental Biology, 2011, 214, 3248-3254.	1.7	20

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37	The opsin repertoire of Jenynsia onca: a new perspective on gene duplication and divergence in livebearers. BMC Research Notes, 2009, 2, 159.	1.4	11
38	A Fish Eye Out of Water: Ten Visual Opsins in the Four-Eyed Fish, Anableps anableps. PLoS ONE, 2009, 4, e5970.	2.5	36
39	The molecular basis of color vision in colorful fish: Four Long Wave-Sensitive (LWS) opsins in guppies (Poecilia reticulata) are defined by amino acid substitutions at key functional sites. BMC Evolutionary Biology, 2008, 8, 210.	3.2	60