

Laurence Despres

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2711036/publications.pdf>

Version: 2024-02-01

77
papers

3,358
citations

172207

29
h-index

161609

54
g-index

79
all docs

79
docs citations

79
times ranked

3941
citing authors

#	ARTICLE	IF	CITATIONS
1	The evolutionary ecology of insect resistance to plant chemicals. Trends in Ecology and Evolution, 2007, 22, 298-307.	4.2	704
2	Using AFLP to resolve phylogenetic relationships in a morphologically diversified plant species complex when nuclear and chloroplast sequences fail to reveal variability. Molecular Phylogenetics and Evolution, 2003, 27, 185-196.	1.2	154
3	Geographic pattern of genetic variation in the European globeflower <i>Trollius europaeus</i> L. (Ranunculaceae) inferred from amplified fragment length polymorphism markers. Molecular Ecology, 2008, 11, 2337-2347.	2.0	125
4	Long-Term Evolutionary Stability of Bacterial Endosymbiosis in Curculionoidea: Additional Evidence of Symbiont Replacement in the Dryophthoridae Family. Molecular Biology and Evolution, 2008, 25, 859-868.	3.5	120
5	Molecular evidence linking hominid evolution to recent radiation of schistosomes (Platyhelminthes: Tj ETQq1 1 0.784314 rgBT/Over 116	1.2	116
6	Systematics of the Genus <i>Capra</i> Inferred from Mitochondrial DNA Sequence Data. Molecular Phylogenetics and Evolution, 1999, 13, 504-510.	1.2	95
7	Persistence of <i>Bacillus thuringiensis israelensis</i> (<i>Bti</i>) in the environment induces resistance to multiple <i>Bti</i> toxins in mosquitoes. Pest Management Science, 2011, 67, 122-128.	1.7	95
8	Unravelling the invasion history of the Asian tiger mosquito in Europe. Molecular Ecology, 2019, 28, 2360-2377.	2.0	82
9	Plant Insecticidal Toxins in Ecological Networks. Toxins, 2012, 4, 228-243.	1.5	75
10	Long Lasting Persistence of <i>Bacillus thuringiensis</i> Subsp. <i>israelensis</i> (<i>Bti</i>) in Mosquito Natural Habitats. PLoS ONE, 2008, 3, e3432.	1.1	63
11	Environmental and socioeconomic effects of mosquito control in Europe using the biocide <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> (<i>Bti</i>). Science of the Total Environment, 2020, 724, 137800.	3.9	62
12	Larval midgut modifications associated with <i>Bti</i> resistance in the yellow fever mosquito using proteomic and transcriptomic approaches. BMC Genomics, 2012, 13, 248.	1.2	59
13	Molecular characterization of mitochondrial DNA provides evidence for the recent introduction of <i>Schistosoma mansoni</i> into America. Molecular and Biochemical Parasitology, 1993, 60, 221-229.	0.5	57
14	One, two or more species? Mitonuclear discordance and species delimitation. Molecular Ecology, 2019, 28, 3845-3847.	2.0	54
15	Fitness costs of resistance to <i>Bti</i> toxins in the dengue vector <i>Aedes aegypti</i> . Ecotoxicology, 2011, 20, 1184-1194.	1.1	51
16	Genome scan in the mosquito <i>Aedes rusticus</i> : population structure and detection of positive selection after insecticide treatment. Molecular Ecology, 2010, 19, 325-337.	2.0	50
17	The evolutionary dynamics of biological invasions: A multi-approach perspective. Evolutionary Applications, 2021, 14, 1463-1484.	1.5	48
18	Evolution of Mutualism Between Globeflowers and their Pollinating Flies. Journal of Theoretical Biology, 2002, 217, 219-234.	0.8	47

#	ARTICLE	IF	CITATIONS
19	Hybridization promotes speciation in <i>Coenonympha</i> butterflies. <i>Molecular Ecology</i> , 2015, 24, 6209-6222.	2.0	46
20	The role of volatile organic compounds, morphology and pigments of globe-flowers in the attraction of their specific pollinating flies. <i>New Phytologist</i> , 2010, 188, 451-463.	3.5	45
21	Genome scan to assess the respective role of host-plant and environmental constraints on the adaptation of a widespread insect. <i>BMC Evolutionary Biology</i> , 2009, 9, 288.	3.2	43
22	Oviposition by mutualistic seed-parasitic pollinators and its effects on annual fitness of single- and multi-flowered host plants. <i>Oecologia</i> , 1999, 120, 427-436.	0.9	40
23	Fate of <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> in the Field: Evidence for Spore Recycling and Differential Persistence of Toxins in Leaf Litter. <i>Applied and Environmental Microbiology</i> , 2012, 78, 8362-8367.	1.4	40
24	Speciation in the Globe-flower Fly <i>Chiastocheta</i> spp. (Diptera: Anthomyiidae) in Relation to Host Plant Species, Biogeography, and Morphology. <i>Molecular Phylogenetics and Evolution</i> , 2002, 22, 258-268.	1.2	38
25	Monitoring resistance to <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> in the field by performing bioassays with each Cry toxin separately. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 894-900.	0.8	37
26	Conserved secondary structures in the ITS2 of trematode pre-rRNA. <i>FEBS Letters</i> , 1993, 316, 247-252.	1.3	36
27	The effect of climate on masting in the European larch and on its specific seed predators. <i>Oecologia</i> , 2009, 159, 527-537.	0.9	34
28	Obligate mutualism between <i>Trollius europaeus</i> and its seed-parasite pollinators <i>Chiastocheta</i> flies in the Alps. <i>Comptes Rendus De L'Académie Des Sciences Série 3, Sciences De La Vie</i> , 1998, 321, 789-796.	0.8	33
29	Mitochondrial genes of <i>Schistosoma mansoni</i> . <i>Parasitology</i> , 1999, 119, 303-313.	0.7	33
30	Candidate genes revealed by a genome scan for mosquito resistance to a bacterial insecticide: sequence and gene expression variations. <i>BMC Genomics</i> , 2009, 10, 551.	1.2	32
31	Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquito-cidal Cyt1Aa bioactivation cascade. <i>Nature Communications</i> , 2020, 11, 1153.	5.8	31
32	Genetic diversity and distribution differ between long-established and recently introduced populations in the invasive mosquito <i>Aedes albopictus</i> . <i>Infection, Genetics and Evolution</i> , 2018, 58, 145-156.	1.0	29
33	Bacterial microbiota of <i>Aedes aegypti</i> mosquito larvae is altered by intoxication with <i>Bacillus thuringiensis israelensis</i> . <i>Parasites and Vectors</i> , 2018, 11, 121.	1.0	29
34	Speciation with gene flow: Evidence from a complex of alpine butterflies (<i>Coenonympha</i>), <i>Trends in Ecology and Evolution</i> , 2010, 25, 100-108.	0.8	29
35	Identifying insecticide resistance genes in mosquito by combining AFLP genome scans and 454 pyrosequencing. <i>Molecular Ecology</i> , 2012, 21, 1672-1686.	2.0	28
36	Gene expression patterns and sequence polymorphisms associated with mosquito resistance to <i>Bacillus thuringiensis israelensis</i> toxins. <i>BMC Genomics</i> , 2014, 15, 926.	1.2	28

#	ARTICLE	IF	CITATIONS
37	Cold adaptation in the Asian tiger mosquito's native range precedes its invasion success in temperate regions. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1793-1808.	1.1	28
38	Transcription profiling of resistance to Bti toxins in the mosquito <i>Aedes aegypti</i> using next-generation sequencing. <i>Journal of Invertebrate Pathology</i> , 2012, 109, 201-208.	1.5	27
39	INCREASE IN LARVAL GUT PROTEOLYTIC ACTIVITIES AND <i>Bti</i> RESISTANCE IN THE DENGUE FEVER MOSQUITO. <i>Archives of Insect Biochemistry and Physiology</i> , 2013, 82, 71-83.	0.6	27
40	Variation in predation costs with <i>Chiastocheta</i> egg number on <i>Trollius europaeus</i> : how many seeds to pay for pollination?. <i>Ecological Entomology</i> , 2001, 26, 56-62.	1.1	25
41	The role of competition in adaptive radiation: a field study on sequentially ovipositing host-specific seed predators. <i>Journal of Animal Ecology</i> , 2004, 73, 109-116.	1.3	24
42	Amplified fragment length homoplasmy: in silico analysis for model and non-model species. <i>BMC Genomics</i> , 2010, 11, 287.	1.2	24
43	Decreased Toxicity of <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> to Mosquito Larvae after Contact with Leaf Litter. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5189-5195.	1.4	24
44	Insecticide-Driven Patterns of Genetic Variation in the Dengue Vector <i>Aedes aegypti</i> in Martinique Island. <i>PLoS ONE</i> , 2013, 8, e77857.	1.1	24
45	Chemical and biological insecticides select distinct gene expression patterns in <i>Aedes aegypti</i> mosquito. <i>Biology Letters</i> , 2014, 10, 20140716.	1.0	24
46	Pre-selecting resistance against individual Bti Cry toxins facilitates the development of resistance to the Bti toxins cocktail. <i>Journal of Invertebrate Pathology</i> , 2014, 119, 50-53.	1.5	24
47	At the Origin of a Worldwide Invasion: Unraveling the Genetic Makeup of the Caribbean Bridgehead Populations of the Dengue Vector <i>Aedes aegypti</i> . <i>Genome Biology and Evolution</i> , 2018, 10, 56-71.	1.1	24
48	Larval Exposure to the Bacterial Insecticide Bti Enhances Dengue Virus Susceptibility of Adult <i>Aedes aegypti</i> Mosquitoes. <i>Insects</i> , 2018, 9, 193.	1.0	24
49	Elevational gradient and human effects on butterfly species richness in the French Alps. <i>Ecology and Evolution</i> , 2017, 7, 3672-3681.	0.8	23
50	Plant chemical defence: a partner control mechanism stabilising plant - seed-eating pollinator mutualisms. <i>BMC Evolutionary Biology</i> , 2009, 9, 261.	3.2	22
51	Persistence and Recycling of Bioinsecticidal <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Spores in Contrasting Environments: Evidence from Field Monitoring and Laboratory Experiments. <i>Microbial Ecology</i> , 2014, 67, 576-586.	1.4	21
52	Predicting the success of an invader: Niche shift versus niche conservatism. <i>Ecology and Evolution</i> , 2019, 9, 12658-12675.	0.8	20
53	Mapping of Resistance to Vegetable Polyphenols among <i>Aedes</i> Taxa (Diptera, Culicidae) on a Molecular Phylogeny. <i>Molecular Phylogenetics and Evolution</i> , 2001, 19, 317-325.	1.2	19
54	Patterns of resource exploitation in four coexisting globeflower fly species (<i>Chiastocheta</i> sp.). <i>Acta Oecologica</i> , 2006, 29, 233-240.	0.5	19

#	ARTICLE	IF	CITATIONS
55	Sex and pollen: the role of males in stabilising a plant-seed eater pollinating mutualism. <i>Oecologia</i> , 2003, 135, 60-66.	0.9	17
56	Plant Chemical Defense Induced by a Seed-Eating Pollinator Mutualist. <i>Journal of Chemical Ecology</i> , 2007, 33, 2078-2089.	0.9	17
57	The genetic architecture of a complex trait: Resistance to multiple toxins produced by <i>Bacillus thuringiensis israelensis</i> in the dengue and yellow fever vector, the mosquito <i>Aedes aegypti</i> . <i>Infection, Genetics and Evolution</i> , 2015, 35, 204-213.	1.0	17
58	Alkaline phosphatases are involved in the response of <i>Aedes aegypti</i> larvae to intoxication with <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> Cry toxins. <i>Environmental Microbiology</i> , 2016, 18, 1022-1036.	1.8	17
59	Receptors are affected by selection with each <i>Bacillus thuringiensis israelensis</i> Cry toxin but not with the full Bti mixture in <i>Aedes aegypti</i> . <i>Infection, Genetics and Evolution</i> , 2016, 44, 218-227.	1.0	17
60	Geographic and within-population variation in the globeflower-globeflower fly interaction: the costs and benefits of rearing pollinator larvae. <i>Oecologia</i> , 2007, 151, 240-250.	0.9	16
61	A MITE-based genotyping method to reveal hundreds of DNA polymorphisms in an animal genome after a few generations of artificial selection. <i>BMC Genomics</i> , 2008, 9, 459.	1.2	15
62	Landscape does matter: Disentangling founder effects from natural and human-aided post-introduction dispersal during an ongoing biological invasion. <i>Journal of Animal Ecology</i> , 2020, 89, 2027-2042.	1.3	14
63	Genetic, morphological and ecological variation across a sharp hybrid zone between two alpine butterfly species. <i>Evolutionary Applications</i> , 2020, 13, 1435-1450.	1.5	13
64	Linking patterns and processes of species diversification in the cone flies <i>Strobilomyia</i> (Diptera): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.2	11
65	Adaptive radiation through phenological shift: the importance of the temporal niche in species diversification. <i>Ecological Entomology</i> , 2009, 34, 81-89.	1.1	11
66	Stability of floral specialization in <i>Trollius europaeus</i> in contrasting ecological environments. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1183-1192.	0.8	11
67	Population decline at distribution margins: Assessing extinction risk in the last glacial relictual but still functional metapopulation of a European butterfly. <i>Diversity and Distributions</i> , 2022, 28, 271-290.	1.9	11
68	Inferring the biogeography and demographic history of an endangered butterfly in Europe from multilocus markers. <i>Biological Journal of the Linnean Society</i> , 2019, 126, 95-113.	0.7	10
69	Investigating the genetics of Bti resistance using m RNA tag sequencing: application on laboratory strains and natural populations of the dengue vector <i>Aedes aegypti</i> . <i>Evolutionary Applications</i> , 2013, 6, 1012-1027.	1.5	9
70	Geographical and within-population variation in the globeflower-globeflower fly interaction: the costs and benefits of rearing pollinator larvae. <i>Oecologia</i> , 2007, 153, 69-79.	0.9	8
71	Demographic inferences and climatic niche modelling shed light on the evolutionary history of the emblematic cold-adapted Apollo butterfly at regional scale. <i>Molecular Ecology</i> , 2022, 31, 448-466.	2.0	8
72	Two Methods to Easily Obtain Nucleotide Sequences from AFLP Loci of Interest. <i>Methods in Molecular Biology</i> , 2012, 888, 91-108.	0.4	6

#	ARTICLE	IF	CITATIONS
73	Specialized nursery pollination mutualisms as evolutionary traps stabilized by antagonistic traits. <i>Journal of Theoretical Biology</i> , 2012, 296, 65-83.	0.8	5
74	Genomic Shifts, Phenotypic Clines, and Fitness Costs Associated With Cold Tolerance in the Asian Tiger Mosquito. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	5
75	Floral phenotypic plasticity as a buffering mechanism in the globeflowerâ€“fly mutualism. <i>Plant Ecology</i> , 2011, 212, 1205-1212.	0.7	3
76	Cold adaptation across the elevation gradient in an alpine butterfly species complex. <i>Ecological Entomology</i> , 2020, 45, 997-1003.	1.1	3
77	In Silico Fingerprinting (ISIF): A User-Friendly In Silico AFLP Program. <i>Methods in Molecular Biology</i> , 2012, 888, 55-64.	0.4	2