

# 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

172457

29  
h-index

161849

54  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3941  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.9	8
2	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.	4.1	11
3	Genomic Shifts, Phenotypic Clines, and Fitness Costs Associated With Cold Tolerance in the Asian Tiger Mosquito. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	5
4	The evolutionary dynamics of biological invasions: A multi-approach perspective. <i>Evolutionary Applications</i> , 2021, 14, 1463-1484.	3.1	48
5	Serial femtosecond crystallography on in vivo-grown crystals drives elucidation of mosquitocidal Cyt1Aa bioactivation cascade. <i>Nature Communications</i> , 2020, 11, 1153.	12.8	31
6	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.	2.8	14
7	Genetic, morphological and ecological variation across a sharp hybrid zone between two alpine butterfly species. <i>Evolutionary Applications</i> , 2020, 13, 1435-1450.	3.1	13
8	Environmental and socioeconomic effects of mosquito control in Europe using the biocide <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> (Bti). <i>Science of the Total Environment</i> , 2020, 724, 137800.	8.0	62
9	Cold adaptation across the elevation gradient in an alpine butterfly species complex. <i>Ecological Entomology</i> , 2020, 45, 997-1003.	2.2	3
10	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.	2.3	28
11	Predicting the success of an invader: Niche shift versus niche conservatism. <i>Ecology and Evolution</i> , 2019, 9, 12658-12675.	1.9	20
12	One, two or more species? Mitonuclear discordance and species delimitation. <i>Molecular Ecology</i> , 2019, 28, 3845-3847.	3.9	54
13	Speciation with gene flow: Evidence from a complex of alpine butterflies ( <i>Coenonympha</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 29	1.9	29
14	Unravelling the invasion history of the Asian tiger mosquito in Europe. <i>Molecular Ecology</i> , 2019, 28, 2360-2377.	3.9	82
15	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.	1.6	10
16	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.	2.3	29
17	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.	2.5	24
18	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.	2.5	29

#	ARTICLE	IF	CITATIONS
19	Larval Exposure to the Bacterial Insecticide Bti Enhances Dengue Virus Susceptibility of Adult <i>Aedes aegypti</i> Mosquitoes. <i>Insects</i> , 2018, 9, 193.	2.2	24
20	Elevational gradient and human effects on butterfly species richness in the French Alps. <i>Ecology and Evolution</i> , 2017, 7, 3672-3681.	1.9	23
21	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.	3.8	17
22	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.	2.3	17
23	Hybridization promotes speciation in <i>Coenonympha</i> butterflies. <i>Molecular Ecology</i> , 2015, 24, 6209-6222.	3.9	46
24	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.	2.3	17
25	Chemical and biological insecticides select distinct gene expression patterns in <i>Aedes aegypti</i> mosquito. <i>Biology Letters</i> , 2014, 10, 20140716.	2.3	24
26	Gene expression patterns and sequence polymorphisms associated with mosquito resistance to <i>Bacillus thuringiensis israelensis</i> toxins. <i>BMC Genomics</i> , 2014, 15, 926.	2.8	28
27	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.	2.8	21
28	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.	3.2	24
29	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.	1.5	27
30	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.	3.1	9
31	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.	1.6	37
32	Insecticide-Driven Patterns of Genetic Variation in the Dengue Vector <i>Aedes aegypti</i> in Martinique Island. <i>PLoS ONE</i> , 2013, 8, e77857.	2.5	24
33	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.	3.1	24
34	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.	3.1	40
35	Plant Insecticidal Toxins in Ecological Networks. <i>Toxins</i> , 2012, 4, 228-243.	3.4	75
36	In Silico Fingerprinting (ISIF): A User-Friendly In Silico AFLP Program. <i>Methods in Molecular Biology</i> , 2012, 888, 55-64.	0.9	2

#	ARTICLE	IF	CITATIONS
37	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.	3.2	27
38	Larval midgut modifications associated with Bti resistance in the yellow fever mosquito using proteomic and transcriptomic approaches. <i>BMC Genomics</i> , 2012, 13, 248.	2.8	59
39	Two Methods to Easily Obtain Nucleotide Sequences from AFLP Loci of Interest. <i>Methods in Molecular Biology</i> , 2012, 888, 91-108.	0.9	6
40	Specialized nursery pollination mutualisms as evolutionary traps stabilized by antagonistic traits. <i>Journal of Theoretical Biology</i> , 2012, 296, 65-83.	1.7	5
41	Identifying insecticide resistance genes in mosquito by combining AFLP genome scans and 454 pyrosequencing. <i>Molecular Ecology</i> , 2012, 21, 1672-1686.	3.9	28
42	Fitness costs of resistance to Bti toxins in the dengue vector <i>Aedes aegypti</i> . <i>Ecotoxicology</i> , 2011, 20, 1184-1194.	2.4	51
43	Floral phenotypic plasticity as a buffering mechanism in the globeflower-fly mutualism. <i>Plant Ecology</i> , 2011, 212, 1205-1212.	1.6	3
44	Persistence of <i>Bacillus thuringiensis israelensis</i> (Bti) in the environment induces resistance to multiple Bti toxins in mosquitoes. <i>Pest Management Science</i> , 2011, 67, 122-128.	3.4	95
45	Amplified fragment length homoplasy: in silico analysis for model and non-model species. <i>BMC Genomics</i> , 2010, 11, 287.	2.8	24
46	The role of volatile organic compounds, morphology and pigments of globeflowers in the attraction of their specific pollinating flies. <i>New Phytologist</i> , 2010, 188, 451-463.	7.3	45
47	Genome scan in the mosquito <i>Aedes rusticus</i> : population structure and detection of positive selection after insecticide treatment. <i>Molecular Ecology</i> , 2010, 19, 325-337.	3.9	50
48	Adaptive radiation through phenological shift: the importance of the temporal niche in species diversification. <i>Ecological Entomology</i> , 2009, 34, 81-89.	2.2	11
49	Plant chemical defence: a partner control mechanism stabilising plant - seed-eating pollinator mutualisms. <i>BMC Evolutionary Biology</i> , 2009, 9, 261.	3.2	22
50	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
51	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.	2.8	32
52	The effect of climate on masting in the European larch and on its specific seed predators. <i>Oecologia</i> , 2009, 159, 527-537.	2.0	34
53	Stability of floral specialization in <i>Trollius europaeus</i> in contrasting ecological environments. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1183-1192.	1.7	11
54	Geographic pattern of genetic variation in the European globeflower <i>Trollius europaeus</i> L. (Ranunculaceae) inferred from amplified fragment length polymorphism markers. <i>Molecular Ecology</i> , 2008, 11, 2337-2347.	3.9	125

#	ARTICLE	IF	CITATIONS
55	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.	2.8	15
56	Long-Term Evolutionary Stability of Bacterial Endosymbiosis in Curculionioidea: Additional Evidence of Symbiont Replacement in the Dryophthoridae Family. <i>Molecular Biology and Evolution</i> , 2008, 25, 859-868.	8.9	120
57	Long Lasting Persistence of <i>Bacillus thuringiensis</i> Subsp. <i>israelensis</i> (Bti) in Mosquito Natural Habitats. <i>PLoS ONE</i> , 2008, 3, e3432.	2.5	63
58	The evolutionary ecology of insect resistance to plant chemicals. <i>Trends in Ecology and Evolution</i> , 2007, 22, 298-307.	8.7	704
59	Plant Chemical Defense Induced by a Seed-Eating Pollinator Mutualist. <i>Journal of Chemical Ecology</i> , 2007, 33, 2078-2089.	1.8	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.	2.0	16
61	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.	2.0	8
62	Patterns of resource exploitation in four coexisting globeflower fly species ( <i>Chiastocheta</i> sp.). <i>Acta Oecologica</i> , 2006, 29, 233-240.	1.1	19
63	Linking patterns and processes of species diversification in the cone flies <i>Strobilomyia</i> (Diptera: Tj ETQq1 1 0.784314 rgBT / Overlock 2.7 11	2.7	11
64	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.	2.8	24
65	Sex and pollen: the role of males in stabilising a plant-seed eater pollinating mutualism. <i>Oecologia</i> , 2003, 135, 60-66.	2.0	17
66	Using AFLP to resolve phylogenetic relationships in a morphologically diversified plant species complex when nuclear and chloroplast sequences fail to reveal variability. <i>Molecular Phylogenetics and Evolution</i> , 2003, 27, 185-196.	2.7	154
67	Evolution of Mutualism Between Globeflowers and their Pollinating Flies. <i>Journal of Theoretical Biology</i> , 2002, 217, 219-234.	1.7	47
68	Speciation in the Globeflower 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.	2.7	38
69	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.	2.7	19
70	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.	2.2	25
71	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.	2.0	40
72	Systematics of the Genus <i>Capra</i> Inferred from Mitochondrial DNA Sequence Data. <i>Molecular Phylogenetics and Evolution</i> , 1999, 13, 504-510.	2.7	95

#	ARTICLE	IF	CITATIONS
73	Mitochondrial genes of <i>Schistosoma mansoni</i> . <i>Parasitology</i> , 1999, 119, 303-313.	1.5	33
74	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
75	Molecular characterization of mitochondrial DNA provides evidence for the recent introduction of <i>Schistosoma mansoni</i> into America. <i>Molecular and Biochemical Parasitology</i> , 1993, 60, 221-229.	1.1	57
76	Conserved secondary structures in the ITS2 of trematode pre-rRNA. <i>FEBS Letters</i> , 1993, 316, 247-252.	2.8	36
77	Molecular evidence linking hominid evolution to recent radiation of schistosomes (Platyhelminthes: Tj ETQq1 1 0.784314 rgBT/Over	2.7	116