

Delphine Legrand

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,873
citations

471509

17
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	Individual dispersal, landscape connectivity and ecological networks. <i>Biological Reviews</i> , 2013, 88, 310-326.	10.4	481
2	Evolution of dispersal strategies and dispersal syndromes in fragmented landscapes. <i>Ecography</i> , 2017, 40, 56-73.	4.5	185
3	Genetics of dispersal. <i>Biological Reviews</i> , 2018, 93, 574-599.	10.4	182
4	Big answers from small worlds: a user's guide for protist microcosms as a model system in ecology and evolution. <i>Methods in Ecology and Evolution</i> , 2015, 6, 218-231.	5.2	157
5	Eco-evolutionary dynamics in fragmented landscapes. <i>Ecography</i> , 2017, 40, 9-25.	4.5	101
6	Bottom-up and top-down control of dispersal across major organismal groups. <i>Nature Ecology and Evolution</i> , 2018, 2, 1859-1863.	7.8	80
7	Habitat matching and spatial heterogeneity of phenotypes: implications for metapopulation and metacommunity functioning. <i>Evolutionary Ecology</i> , 2015, 29, 851-871.	1.2	73
8	The Metatron: an experimental system to study dispersal and metaecosystems for terrestrial organisms. <i>Nature Methods</i> , 2012, 9, 828-833.	19.0	70
9	Gene flow favours local adaptation under habitat choice in ciliate microcosms. <i>Nature Ecology and Evolution</i> , 2017, 1, 1407-1410.	7.8	63
10	Ranking the ecological causes of dispersal in a butterfly. <i>Ecography</i> , 2015, 38, 822-831.	4.5	57
11	Species-Wide Genetic Variation and Demographic History of <i>Drosophila sechellia</i> , a Species Lacking Population Structure. <i>Genetics</i> , 2009, 182, 1197-1206.	2.9	54
12	Habitat choice meets thermal specialization: Competition with specialists may drive suboptimal habitat preferences in generalists. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11988-11993.	7.1	50
13	Inter-individual variation in movement: is there a mobility syndrome in the large white butterfly <i>Pieris brassicae</i> ? <i>Ecological Entomology</i> , 2012, 37, 377-385.	2.2	46
14	Population sex ratio and dispersal in experimental, two-patch metapopulations of butterflies. <i>Journal of Animal Ecology</i> , 2013, 82, 946-955.	2.8	41
15	Variability in Dispersal Syndromes Is a Key Driver of Metapopulation Dynamics in Experimental Microcosms. <i>American Naturalist</i> , 2019, 194, 613-626.	2.1	39
16	Evolution of a butterfly dispersal syndrome. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20161533.	2.6	32
17	Flight endurance and heating rate vary with both latitude and habitat connectivity in a butterfly species. <i>Oikos</i> , 2013, 122, 601-611.	2.7	26
18	Inter-island divergence within <i>Drosophila mauritiana</i> , a species of the <i>D. simulans</i> complex: Past history and/or speciation in progress?. <i>Molecular Ecology</i> , 2011, 20, 2787-2804.	3.9	18

#	ARTICLE	IF	CITATIONS
19	A multidimensional approach to the expression of phenotypic plasticity. <i>Functional Ecology</i> , 2020, 34, 2338-2349.	3.6	15
20	Microsatellite variation suggests a recent fine-scale population structure of <i>Drosophila sechellia</i> , a species endemic of the Seychelles archipelago. <i>Genetica</i> , 2011, 139, 909-919.	1.1	13
21	Fitness Costs of Thermal Reaction Norms for Wing Melanisation in the Large White Butterfly (<i>Pieris</i>) Tj ETQq1 1 0.784314 rgBT /Over 2.5 13	2.5	13
22	Habitat fragmentation experiments on arthropods: what to do next?. <i>Current Opinion in Insect Science</i> , 2019, 35, 117-122.	4.4	12
23	Intra- and inter-individual variations in flight direction in a migratory butterfly co-vary with individual mobility. <i>Journal of Experimental Biology</i> , 2013, 216, 3156-63.	1.7	9
24	Distinguishing migration from isolation using genes with intragenic recombination: detecting introgression in the <i>Drosophila simulans</i> species complex. <i>BMC Evolutionary Biology</i> , 2014, 14, 89.	3.2	9
25	Phenotypic plasticity can reverse the relative extent of intra- and interspecific variability across a thermal gradient. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210428.	2.6	9
26	Plastic cell morphology changes during dispersal. <i>IScience</i> , 2021, 24, 102915.	4.1	8
27	Local predation risk and matrix permeability interact to shape movement strategy. <i>Oikos</i> , 2019, 128, 1402-1412.	2.7	7
28	Isolation and characterization of 15 microsatellite loci in the specialist butterfly <i>Boloria eunomia</i> . <i>Conservation Genetics Resources</i> , 2014, 6, 223-227.	0.8	4
29	Social Information in Cooperation and Dispersal in <i>Tetrahymena</i> . , 2016, , 235-252.		4
30	Transgenerational plasticity of dispersal-related traits in a ciliate: genotype-dependency and fitness consequences. <i>Oikos</i> , 2022, 2022, .	2.7	4
31	Mobility affects copulation and oviposition dynamics in <i>Pieris brassicae</i> in seminatural cages. <i>Insect Science</i> , 2019, 26, 743-752.	3.0	3
32	Congruent Genetic and Demographic Dispersal Rates in a Natural Metapopulation at Equilibrium. <i>Genes</i> , 2021, 12, 362.	2.4	2
33	Selection on the wing in <i>Heliconius</i> butterflies. <i>BMC Genetics</i> , 2011, 12, 31.	2.7	1