

# Emmanuel Desouhant

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,711  
citations

257357

24  
h-index

330025

37  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1599  
citing authors

#	ARTICLE	IF	CITATIONS
1	A handbook for uncovering the complete energetic budget in insects: the van Handel's method (1985) revisited. <i>Physiological Entomology</i> , 2012, 37, 295-302.	0.6	112
2	Energy dynamics in a parasitoid foraging in the wild. <i>Journal of Animal Ecology</i> , 2003, 72, 691-697.	1.3	87
3	Host and food searching in a parasitic wasp <i>Venturia canescens</i> : a trade-off between current and future reproduction?. <i>Animal Behaviour</i> , 2005, 70, 145-152.	0.8	84
4	Mechanistic, ecological, and evolutionary consequences of artificial light at night for insects: review and prospective. <i>Entomologia Experimentalis Et Applicata</i> , 2019, 167, 37-58.	0.7	83
5	Bet-hedging for variability in life cycle duration: bigger and later-emerging chestnut weevils have increased probability of a prolonged diapause. <i>Oecologia</i> , 2002, 132, 167-174.	0.9	78
6	Foraging and associative learning of visual signals in a parasitic wasp. <i>Animal Cognition</i> , 2008, 11, 525-533.	0.9	58
7	Clutch size manipulations in the chestnut weevil, <i>Curculio elephas</i> : fitness of oviposition strategies. <i>Oecologia</i> , 2000, 122, 493-499.	0.9	54
8	The influence of temperature and host availability on the host exploitation strategies of sexual and asexual parasitic wasps of the same species. <i>Oecologia</i> , 2006, 148, 153-161.	0.9	52
9	Dispersal between host populations in field conditions: navigation rules in the parasitoid <i>Venturia canescens</i> . <i>Ecological Entomology</i> , 2003, 28, 257-267.	1.1	49
10	Differential energy allocation as an adaptation to different habitats in the parasitic wasp <i>Venturia canescens</i> . <i>Evolutionary Ecology</i> , 2007, 21, 669-685.	0.5	48
11	The Evolution of Bet Hedging in Response to Local Ecological Conditions. <i>American Naturalist</i> , 2014, 184, E1-E15.	1.0	46
12	Selection of fruits for oviposition by the chestnut weevil, <i>Curculio elephas</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1998, 86, 71-78.	0.7	38
13	Habitat assessment by parasitoids: mechanisms for patch use behavior. <i>Behavioral Ecology</i> , 2006, 17, 515-521.	1.0	37
14	The impact of thermal fluctuations on reaction norms in specialist and generalist parasitic wasps. <i>Functional Ecology</i> , 2014, 28, 411-423.	1.7	37
15	Does Kin Recognition and Sib-Mating Avoidance Limit the Risk of Genetic Incompatibility in a Parasitic Wasp?. <i>PLoS ONE</i> , 2010, 5, e13505.	1.1	37
16	Immunocompetence handicap hypothesis in tree frog: trade-off between sexual signals and immunity?. <i>Behavioral Ecology</i> , 2015, 26, 1138-1146.	1.0	35
17	Title is missing!. <i>Journal of Insect Behavior</i> , 2003, 16, 307-318.	0.4	34
18	Feeding activity pattern in a parasitic wasp when foraging in the field. <i>Ecological Research</i> , 2010, 25, 419-428.	0.7	34

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19	Fuelling flight in a parasitic wasp: which energetic substrate to use?. <i>Ecological Entomology</i> , 2012, 37, 480-489.	1.1	33
20	Small but smart: the interaction between environmental cues and internal state modulates host-patch exploitation in a parasitic wasp. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1409-1418.	0.6	31
21	Does cold tolerance plasticity correlate with the thermal environment and metabolic profiles of a parasitoid wasp?. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2013, 164, 77-83.	0.8	31
22	Artificial light at night alters the sexual behaviour and fertilisation success of the common toad. <i>Environmental Pollution</i> , 2020, 259, 113883.	3.7	31
23	Adaptations to different habitats in sexual and asexual populations of parasitoid wasps: a meta-analysis. <i>PeerJ</i> , 2017, 5, e3699.	0.9	30
24	Interference at several temporal and spatial scales between two chestnut insects. <i>Oecologia</i> , 1996, 108, 151-158.	0.9	28
25	Synergy in information use for mate finding: demonstration in a parasitoid wasp. <i>Animal Behaviour</i> , 2010, 79, 1307-1315.	0.8	28
26	What matters in the associative learning of visual cues in foraging parasitoid wasps: colour or brightness?. <i>Animal Cognition</i> , 2010, 13, 535-543.	0.9	27
27	Differential use of conspecific-derived information by sexual and asexual parasitic wasps exploiting partially depleted host patches. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 563-572.	0.6	25
28	Intraspecific competition between healthy and parasitised hosts in a host-parasitoid system: consequences for life-history traits. <i>Ecological Entomology</i> , 2002, 27, 415-423.	1.1	23
29	Does constrained oviposition influence offspring sex ratio in the solitary parasitoid wasp <i>Venturia canescens</i> ?. <i>Ecological Entomology</i> , 2008, 33, 167-174.	1.1	23
30	Where and what to feed? Differential effects on fecundity and longevity in the invasive <i>Drosophila suzukii</i> . <i>Basic and Applied Ecology</i> , 2017, 19, 56-66.	1.2	23
31	Insect personality: what can we learn from metamorphosis?. <i>Current Opinion in Insect Science</i> , 2018, 27, 46-51.	2.2	23
32	Resource limitation in natural populations of phytophagous insects. A long-term study case with the chestnut weevil. <i>Acta Oecologica</i> , 2002, 23, 31-39.	0.5	20
33	Paternity and Dominance Loss in Male Breeders: The Cost of Helpers in a Cooperatively Breeding Mammal. <i>PLoS ONE</i> , 2012, 7, e29508.	1.1	20
34	Maternal age affects offspring nutrient dynamics. <i>Journal of Insect Physiology</i> , 2017, 101, 123-131.	0.9	20
35	Trans-Generational Effects of Mild Heat Stress on the Life History Traits of an Aphid Parasitoid. <i>PLoS ONE</i> , 2013, 8, e54306.	1.1	20
36	The invasive pest <i>Drosophila suzukii</i> uses trans-generational medication to resist parasitoid attack. <i>Scientific Reports</i> , 2017, 7, 43696.	1.6	19

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37	Dealing with host and food searching in a diurnal parasitoid: consequences of light at night at intra- and trans-generational levels. <i>Insect Conservation and Diversity</i> , 2021, 14, 235-246.	1.4	19
38	Differential thermal performance curves in response to different habitats in the parasitoid <i>Venturia canescens</i> . <i>Die Naturwissenschaften</i> , 2011, 98, 683-691.	0.6	18
39	The dynamics of energy allocation in adult arrhenotokous and thelytokous <i>Venturia canescens</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2010, 135, 68-76.	0.7	16
40	Facing multiple information sources while foraging on successive patches: how does a parasitoid deal with experience?. <i>Animal Behaviour</i> , 2012, 83, 189-199.	0.8	16
41	How Host Plant and Fluctuating Environments Affect Insect Reproductive Strategies?. <i>Advances in Botanical Research</i> , 2017, , 259-287.	0.5	16
42	Microorganisms Associated with Mosquito Oviposition Sites: Implications for Habitat Selection and Insect Life Histories. <i>Microorganisms</i> , 2021, 9, 1589.	1.6	16
43	Oviposition pattern of phytophagous insects: on the importance of host population heterogeneity. <i>Oecologia</i> , 1998, 114, 382-388.	0.9	15
44	Does synovigeny confer reproductive plasticity upon a parasitoid wasp that is faced with variability in habitat richness?. <i>Biological Journal of the Linnean Society</i> , 2011, 104, 621-632.	0.7	14
45	Influence of oxidative homeostasis on bacterial density and cost of infection in <i>Drosophila</i> – <i>Wolbachia</i> symbioses. <i>Journal of Evolutionary Biology</i> , 2016, 29, 1211-1222.	0.8	14
46	Sterile males in a parasitoid wasp with complementary sex determination: from fitness costs to population extinction. <i>BMC Ecology</i> , 2015, 15, 13.	3.0	13
47	Consequences of genetic incompatibility on fitness and mate choice: the male point of view. <i>Biological Journal of the Linnean Society</i> , 2015, 114, 279-286.	0.7	13
48	Phenotypic plasticity in the invasive pest <i>Drosophila suzukii</i> : activity rhythms and gene expression in response to temperature. <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	12
49	Occurrence of arrhenotoky and thelytoky in a parasitic wasp <i>Venturia canescens</i> (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock Journal of Entomology, 2013, 110, 103-107.	1.2	12
50	Insects and incest: Sib-mating tolerance in natural populations of a parasitoid wasp. <i>Molecular Ecology</i> , 2020, 29, 596-609.	2.0	10
51	Diploid male production correlates with genetic diversity in the parasitoid wasp <i>Venturia canescens</i> : a genetic approach with new microsatellite markers. <i>Ecology and Evolution</i> , 2016, 6, 6721-6734.	0.8	7
52	Cognitive adaptation in asexual and sexual wasps living in contrasted environments. <i>PLoS ONE</i> , 2017, 12, e0177581.	1.1	7
53	Evidence for risk-taking behavioural types and potential effects on resource acquisition in a parasitoid wasp. <i>Animal Behaviour</i> , 2019, 154, 17-28.	0.8	7
54	Detection and monitoring of <i>Drosophila suzukii</i> in raspberry and cherry orchards with volatile organic compounds in the USA and Europe. <i>Scientific Reports</i> , 2021, 11, 6860.	1.6	6

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55	Inferring insect feeding patterns from sugar profiles: a comparison of statistical methods. <i>Ecological Entomology</i> , 2021, 46, 19-32.	1.1	3
56	Impact of Wolbachia on oxidative stress sensitivity in the parasitic wasp <i>Asobara japonica</i> . <i>PLoS ONE</i> , 2017, 12, e0175974.	1.1	3
57	Cytotype Affects the Capability of the Whitefly <i>Bemisia tabaci</i> MED Species To Feed and Oviposit on an Unfavorable Host Plant. <i>MBio</i> , 2021, 12, e0073021.	1.8	3
58	Editorial overview: Behavioural ecology: Behavioural ecology of insects: current research and potential applications. <i>Current Opinion in Insect Science</i> , 2018, 27, viii-xi.	2.2	1
59	Chapitre 15. Le choix de la plante hôte et les conséquences adaptatives. , 2013, , 249-253.		1
60	Experimental evolution of virulence and associated traits in a <i>Drosophila melanogaster</i> –Wolbachia symbiosis. , 0, 1, .		1
61	Extend standardised methods and protocols for insect diet composition to insect energy and nutrient budgets. <i>Journal of Insects As Food and Feed</i> , 2020, 6, 441-443.	2.1	0
62	Kin recognition: Neurogenomic response to mate choice and sib mating avoidance in a parasitic wasp. <i>PLoS ONE</i> , 2020, 15, e0241128.	1.1	0
63	Les méfaits de la pollution lumineuse. <i>Pour la science Fr</i> , 2020, N° 510 - avril, 58-65.	0.0	0