Vincent Debat

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7200273/publications.pdf

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60	2,650	236925	206112
papers	citations	25 h-index	48 g-index

70	70	70	3060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mapping phenotypes: canalization, plasticity and developmental stability. Trends in Ecology and Evolution, 2001, 16, 555-561.	8.7	478
2	Cold adaptation in geographical populations of Drosophila melanogaster: phenotypic plasticity is more important than genetic variability. Functional Ecology, 2004, 18, 700-706.	3.6	213
3	Independence between developmental stability and canalization in the skull of the house mouse. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 423-430.	2.6	158
4	Deciphering the routes of invasion of Drosophila suzukii by means of ABC random forest. Molecular Biology and Evolution, 2017, 34, msx050.	8.9	132
5	ALLOMETRIC AND NONALLOMETRIC COMPONENTS OF DROSOPHILA WING SHAPE RESPOND DIFFERENTLY TO DEVELOPMENTAL TEMPERATURE. Evolution; International Journal of Organic Evolution, 2003, 57, 2773-2784.	2.3	130
6	Functional evo-devo. Trends in Ecology and Evolution, 2006, 21, 488-492.	8.7	126
7	PLASTICITY, CANALIZATION, AND DEVELOPMENTAL STABILITY OF THEDROSOPHILAWING: JOINT EFFECTS OF MUTATIONS AND DEVELOPMENTAL TEMPERATURE. Evolution; International Journal of Organic Evolution, 2009, 63, 2864-2876.	2.3	117
8	Adaptive evolution of butterfly wing shape: from morphology to behaviour. Biological Reviews, 2019, 94, 1261-1281.	10.4	100
9	Recurrent specialization on a toxic fruit in an island Drosophila population. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4771-4776.	7.1	88
10	HSP90 AND THE QUANTITATIVE VARIATION OF WING SHAPE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2006, 60, 2529-2538.	2.3	86
11	Morpho morphometrics: Shared ancestry and selection drive the evolution of wing size and shape inMorphobutterflies. Evolution; International Journal of Organic Evolution, 2016, 70, 181-194.	2.3	69
12	QUANTITATIVE GENETICS OF SHAPE IN CRICKET WINGS: DEVELOPMENTAL INTEGRATION IN A FUNCTIONAL STRUCTURE. Evolution; International Journal of Organic Evolution, 2010, 64, no-no.	2.3	66
13	Phenotypic plasticity of Drosophila suzukii wing to developmental temperature: implications for flight. Journal of Experimental Biology, 2018, 221, .	1.7	54
14	Phenotypic plasticity, global change, and the speed of adaptive evolution. Current Opinion in Insect Science, 2019, 35, 34-40.	4.4	52
15	Developmental Stability: A Major Role for Cyclin G in Drosophila melanogaster. PLoS Genetics, 2011, 7, e1002314.	3.5	50
16	Stressful conditions reveal decrease in size, modification of shape but relatively stable asymmetry in bumblebee wings. Scientific Reports, 2018, 8, 15169.	3.3	44
17	HSP90 AND THE QUANTITATIVE VARIATION OF WING SHAPE IN DROSOPHILA MELANOGASTER. Evolution; International Journal of Organic Evolution, 2006, 60, 2529.	2.3	41
18	Hsp90 and the quantitative variation of wing shape in Drosophila melanogaster. Evolution; International Journal of Organic Evolution, 2006, 60, 2529-38.	2.3	41

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19	The effect of temperature and wing morphology on quantitative genetic variation in the cricket Gryllus firmus, with an appendix examining the statistical properties of the Jackknife-manova method of matrix comparison. Journal of Evolutionary Biology, 2004, 17, 1255-1267.	1.7	36
20	Landmark detection in 2D bioimages for geometric morphometrics: a multi-resolution tree-based approach. Scientific Reports, 2018, 8, 538.	3.3	34
21	Adaptation to different climates results in divergent phenotypic plasticity of wing size and shape in an invasive drosophilid. Journal of Genetics, 2008, 87, 209-217.	0.7	33
22	Patterns of Fluctuating Asymmetry and Shape Variation in Chironomus riparius (Diptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (	2.5	31
23	Multidimensional analysis of Drosophila wing variation in Evolution Canyon. Journal of Genetics, 2008, 87, 407-419.	0.7	30
24	Species delimitation in the Acomys cahirinus-dimidiatus complex (Rodentia, Muridae) inferred from chromosomal and morphological analyses. Biological Journal of the Linnean Society, 2007, 91, 203-214.	1.6	29
25	A Major Locus Controls a Genital Shape Difference Involved in Reproductive Isolation BetweenDrosophila yakubaandDrosophila santomea. G3: Genes, Genomes, Genetics, 2015, 5, 2893-2901.	1.8	29
26	Asymmetric flies. Fly, 2013, 7, 70-77.	1.7	27
27	Geometric morphometrics of carapace ofMacrobrachium australe(Crustacea: Palaemonidae) from Reunion Island. Acta Zoologica, 2012, 93, 492-500.	0.8	26
28	Exposure to sediments from polluted rivers has limited phenotypic effects on larvae and adults of Chironomus riparius. Science of the Total Environment, 2014, 484, 92-101.	8.0	26
29	Phenotypic plasticity and modularity allow for the production of novel mosaic phenotypes in ants. EvoDevo, 2015, 6, 36.	3.2	26
30	New set of microsatellite markers for the spotted-wing Drosophila suzukii (Diptera: Drosophilidae): A promising molecular tool for inferring the invasion history of this major insect pest. European Journal of Entomology, 2015, 112, 855-859.	1.2	17
31	Effects of natural wing damage on flight performance in Morpho butterflies: what can it tell us about wing shape evolution?. Journal of Experimental Biology, 2019, 222, .	1.7	16
32	How Changes in Functional Demands Associated with Captivity Affect the Skull Shape of a Wild Boar (Sus scrofa). Evolutionary Biology, 2021, 48, 27-40.	1.1	16
33	Modularity and developmental stability in segmented animals: variation in translational asymmetry in geophilomorph centipedes. Development Genes and Evolution, 2016, 226, 187-196.	0.9	14
34	Development and evolution of segmentation assessed by geometric morphometrics: The centipede Strigamia maritima as a case study. Arthropod Structure and Development, 2017, 46, 419-428.	1.4	13
35	Mouse Skull Mean Shape and Shape Robustness Rely on Different Genetic Architectures and Different Loci. Frontiers in Genetics, 2019, 10, 64.	2.3	12
36	Hybridization and transgressive exploration of colour pattern and wing morphology inHeliconiusbutterflies. Journal of Evolutionary Biology, 2020, 33, 942-956.	1.7	12

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37	Convergence in sympatry: Evolution of blueâ€banded wing pattern in Morpho butterflies. Journal of Evolutionary Biology, 2021, 34, 284-295.	1.7	12
38	Canalization, a central concept in biology. Seminars in Cell and Developmental Biology, 2019, 88, 1-3.	5.0	11
39	Adaptive evolution of flight in Morpho butterflies. Science, 2021, 374, 1158-1162.	12.6	10
40	Analysing phenotypic variation: When old-fashioned means up-to-date. Journal of Biosciences, 2002, 27, 191-193.	1.1	9
41	Drosophilids (Diptera) from Mayotte island: an annotated list of species collected in 2013 and comments on the colonisation of Indian Ocean Islands. Annales De La Societe Entomologique De France, 2014, 50, 336-342.	0.9	9
42	Wing morphology of the active flyerCalliphora vicina(Diptera: Calliphoridae) during its invasion of a sub-Antarctic archipelago where insect flightlessness is the rule. Biological Journal of the Linnean Society, 2016, 119, 179-193.	1.6	9
43	Why are Morpho Blue?. , 2018, , 139-174.		9
44	Punctuational ecological changes rather than global factors drive species diversification and the evolution of wing phenotypes inMorphobutterflies. Journal of Evolutionary Biology, 2021, 34, 1592-1607.	1.7	9
45	Phenotypic plasticity, canalisation and developmental stability of Triatoma infestans wings: effects of a sublethal application of a pyrethroid insecticide. Parasites and Vectors, 2021, 14, 355.	2.5	8
46	Convergent morphology and divergent phenology promote the coexistence of Morpho butterfly species. Nature Communications, 2021, 12, 7248.	12.8	8
47	ALLOMETRIC AND NONALLOMETRIC COMPONENTS OF DROSOPHILA WING SHAPE RESPOND DIFFERENTLY TO DEVELOPMENTAL TEMPERATURE. Evolution; International Journal of Organic Evolution, 2003, 57, 2773.	2.3	7
48	Phenotypic defects in newborn Gammarus fossarum (Amphipoda) following embryonic exposure to fenoxycarb. Ecotoxicology and Environmental Safety, 2017, 144, 193-199.	6.0	7
49	Cyclin G and the Polycomb Repressive complexes PRC1 and PR-DUB cooperate for developmental stability. PLoS Genetics, 2018, 14, e1007498.	3.5	7
50	Constraints associated with captivity alter craniomandibular integration in wild boar. Journal of Anatomy, 2021, 239, 489-497.	1.5	7
51	Scratching for food: An original feeding behavior in an African flower breeding Drosophila. Fly, 2011, 5, 285-290.	1.7	6
52	Evidence of attack deflection suggests adaptive evolution of wing tails in butterflies. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	6
53	Ontogenetic and evolutionary patterns of shape differentiation during the initial diversification of Paleocene acarininids (planktonic foraminifera). Paleobiology, 2002, 28, 435-448.	2.0	5
54	The Drosophilidae (Diptera) of the Scattered Islands, with the description of a novel association withLeptadenia madagascariensisDecne. (Apocynaceae). Fly, 2012, 6, 298-302.	1.7	5

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55	Drosophila suzukii wing spot size is robust to developmental temperature. Ecology and Evolution, 2020, 10, 3178-3188.	1.9	5
56	Limited thermal plasticity and geographical divergence in the ovipositor of Drosophila suzukii. Royal Society Open Science, 2020, 7, 191577.	2.4	4
57	What Drives the Diversification of Eyespots in Morpho Butterflies? Disentangling Developmental and Selective Constraints From Neutral Evolution. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	4
58	The effect of captivity on craniomandibular and calcaneal ontogenetic trajectories in wild boar. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 575-585.	1.3	4
59	Fluctuating asymmetry of meristic traits: an isofemale line analysis in an invasive drosophilid, Zaprionus indianus. Genetica, 2017, 145, 307-317.	1.1	3
60	Divergence of climbing escape flight performance in Morpho butterflies living in different microhabitats. Journal of Experimental Biology, 0, , .	1.7	0