

Pieter A Arnold

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

836
citations

687363

13
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

1201
citing authors

#	ARTICLE	IF	CITATIONS
1	How to analyse plant phenotypic plasticity in response to a changing climate. <i>New Phytologist</i> , 2019, 222, 1235-1241.	7.3	179
2	Sparse evidence for selection on phenotypic plasticity in response to temperature. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180185.	4.0	88
3	The origin and maintenance of metabolic allometry in animals. <i>Nature Ecology and Evolution</i> , 2019, 3, 598-603.	7.8	86
4	Physiological and metabolic consequences of viral infection in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2013, 216, 3350-7.	1.7	76
5	The thermal tolerance of photosynthetic tissues: a global systematic review and agenda for future research. <i>New Phytologist</i> , 2021, 229, 2497-2513.	7.3	64
6	Winters are changing: snow effects on Arctic and alpine tundra ecosystems. <i>Arctic Science</i> , 2022, 8, 572-608.	2.3	43
7	A new ecosystem for evidence synthesis. <i>Nature Ecology and Evolution</i> , 2020, 4, 498-501.	7.8	39
8	Ecological responses to variation in seasonal snow cover. <i>Conservation Biology</i> , 2022, 36, .	4.7	35
9	Meta-analysis reveals that resting metabolic rate is not consistently related to fitness and performance in animals. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 1097-1110.	1.5	31
10	<i>Drosophila melanogaster</i> infected with <i>Wolbachia</i> strain <i>w</i> MelCS prefer cooler temperatures. <i>Ecological Entomology</i> , 2019, 44, 287-290.	2.2	27
11	Wolbachia-Mediated Antiviral Protection in <i>Drosophila</i> Larvae and Adults following Oral Infection. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8215-8223.	3.1	23
12	Functional traits in red flour beetles: the dispersal phenotype is associated with leg length but not body size nor metabolic rate. <i>Functional Ecology</i> , 2017, 31, 653-661.	3.6	20
13	Optimizing Generic Cerambycid Pheromone Lures for Australian Biosecurity and Biodiversity Monitoring. <i>Journal of Economic Entomology</i> , 2016, 109, 1741-1749.	1.8	18
14	Developmental nutrition modulates metabolic responses to projected climate change. <i>Functional Ecology</i> , 2020, 34, 2488-2502.	3.6	15
15	A high-throughput method for measuring critical thermal limits of leaves by chlorophyll imaging fluorescence. <i>Functional Plant Biology</i> , 2021, 48, 634.	2.1	14
16	Maturity matters for movement and metabolic rate: trait dynamics across the early adult life of red flour beetles. <i>Animal Behaviour</i> , 2016, 111, 181-188.	1.9	13
17	Tolerance of Warmer Temperatures Does Not Confer Resilience to Heatwaves in an Alpine Herb. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	11
18	Patterns of phenotypic plasticity along a thermal gradient differ by trait type in an alpine plant. <i>Functional Ecology</i> , 2022, 36, 2412-2428.	3.6	11

#	ARTICLE	IF	CITATIONS
19	Investigating movement in the laboratory: dispersal apparatus designs and the red flour beetle, <i>Tribolium castaneum</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2017, 163, 93-100.	1.4	9
20	<i>Drosophila melanogaster</i> does not exhibit a behavioural fever response when infected with <i>Drosophila C virus</i> . <i>Journal of General Virology</i> , 2015, 96, 3667-3671.	2.9	7
21	Phenotypic plasticity and exotic plant invasions: Effects of soil nutrients, species nutrient requirements, and types of traits. <i>Physiologia Plantarum</i> , 2022, 174, e13637.	5.2	7
22	Effects of sublethal phosphine exposure on respiration rate and dispersal propensity of adult females of <i>Tribolium castaneum</i> . <i>Journal of Pest Science</i> , 2020, 93, 149-157.	3.7	6
23	Ensuring Prevention Science Research is Synthesis-Ready for Immediate and Lasting Scientific Impact. <i>Prevention Science</i> , 2022, 23, 809-820.	2.6	6
24	Inherent conflicts between reaction norm slope and plasticity indices when comparing plasticity: a conceptual framework and empirical test. <i>Oecologia</i> , 2022, 198, 593-603.	2.0	5
25	Decoupling the effects of parental and offspring warming on seed and seedling traits. <i>Alpine Botany</i> , 2021, 131, 105-115.	2.4	2