

Mads F Schou

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,145
citations

430874

18
h-index

477307

29
g-index

45
all docs

45
docs citations

45
times ranked

1278
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Analysis of European <i>Drosophila melanogaster</i> Populations Reveals Longitudinal Structure, Continent-Wide Selection, and Previously Unknown DNA Viruses. <i>Molecular Biology and Evolution</i> , 2020, 37, 2661-2678.	8.9	104
2	A <i>Drosophila</i> laboratory evolution experiment points to low evolutionary potential under increased temperatures likely to be experienced in the future. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1859-1868.	1.7	79
3	Linear reaction norms of thermal limits in <i>Drosophila</i> : predictable plasticity in cold but not in heat tolerance. <i>Functional Ecology</i> , 2017, 31, 934-945.	3.6	74
4	Thermal fluctuations affect the transcriptome through mechanisms independent of average temperature. <i>Scientific Reports</i> , 2016, 6, 30975.	3.3	62
5	Comparing thermal performance curves across traits: how consistent are they?. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	58
6	Evolution of sociality in spiders leads to depleted genomic diversity at both population and species levels. <i>Molecular Ecology</i> , 2017, 26, 4197-4210.	3.9	53
7	Metabolic and functional characterization of effects of developmental temperature in <i>Drosophila melanogaster</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R211-R222.	1.8	46
8	Strong Costs and Benefits of Winter Acclimatization in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2015, 10, e0130307.	2.5	42
9	Unexpected high genetic diversity in small populations suggests maintenance by associative overdominance. <i>Molecular Ecology</i> , 2017, 26, 6510-6523.	3.9	40
10	Reversibility of developmental heat and cold plasticity is asymmetric and has long lasting consequences for adult thermal tolerance. <i>Journal of Experimental Biology</i> , 2016, 219, 2726-32.	1.7	38
11	Genomic signatures of experimental adaptive radiation in <i>Drosophila</i> . <i>Molecular Ecology</i> , 2019, 28, 600-614.	3.9	37
12	<i>Drosophila</i> Evolution over Space and Time (DEST): A New Population Genomics Resource. <i>Molecular Biology and Evolution</i> , 2021, 38, 5782-5805.	8.9	37
13	Proteomic data reveals a physiological basis for costs and benefits associated with thermal acclimation. <i>Journal of Experimental Biology</i> , 2016, 219, 969-76.	1.7	35
14	Inbreeding effects on standard metabolic rate investigated at cold, benign and hot temperatures in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2014, 62, 11-20.	2.0	33
15	No trade-off between high and low temperature tolerance in a winter acclimatized Danish <i>Drosophila subobscura</i> population. <i>Journal of Insect Physiology</i> , 2015, 77, 9-14.	2.0	29
16	Fitness components of <i>Drosophila melanogaster</i> developed on a standard laboratory diet or a typical natural food source. <i>Insect Science</i> , 2016, 23, 771-779.	3.0	28
17	Extreme allomaternal care and unequal task participation by unmated females in a cooperatively breeding spider. <i>Animal Behaviour</i> , 2017, 132, 101-107.	1.9	28
18	Evidence for Faster X Chromosome Evolution in Spiders. <i>Molecular Biology and Evolution</i> , 2019, 36, 1281-1293.	8.9	25

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19	The discovery, distribution, and diversity of DNA viruses associated with <i>Drosophila melanogaster</i> in Europe. <i>Virus Evolution</i> , 2021, 7, veab031.	4.9	25
20	Extreme temperatures compromise male and female fertility in a large desert bird. <i>Nature Communications</i> , 2021, 12, 666.	12.8	23
21	Linking developmental diet to adult foraging choice in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	1.7	21
22	Inbreeding depression across a nutritional stress continuum. <i>Heredity</i> , 2015, 115, 56-62.	2.6	19
23	Nucleotide diversity inflation as a genome-wide response to experimental lifespan extension in <i>Drosophila melanogaster</i> . <i>BMC Genomics</i> , 2017, 18, 84.	2.8	19
24	Evolutionary adaptation to environmental stressors: a common response at the proteomic level. <i>Evolution; International Journal of Organic Evolution</i> , 2017, 71, 1627-1642.	2.3	18
25	Fast egg collection method greatly improves randomness of egg sampling in <i>Drosophila melanogaster</i> . <i>Fly</i> , 2013, 7, 44-46.	1.7	17
26	Expression of thermal tolerance genes in two <i>Drosophila</i> species with different acclimation capacities. <i>Journal of Thermal Biology</i> , 2019, 84, 200-207.	2.5	17
27	Prey to predator body size ratio in the evolution of cooperative hunting—a social spider test case. <i>Development Genes and Evolution</i> , 2020, 230, 173-184.	0.9	14
28	Preservation of potassium balance is strongly associated with insect cold tolerance in the field: a seasonal study of <i>Drosophila subobscura</i> . <i>Biology Letters</i> , 2016, 12, 20160123.	2.3	12
29	Inbreeding Affects Locomotor Activity in <i>Drosophila melanogaster</i> at Different Ages. <i>Behavior Genetics</i> , 2015, 45, 127-134.	2.1	11
30	Biotic and abiotic factors investigated in two <i>Drosophila</i> species—evidence of both negative and positive effects of interactions on performance. <i>Scientific Reports</i> , 2017, 7, 40132.	3.3	11
31	Pronounced Plastic and Evolutionary Responses to Unpredictable Thermal Fluctuations in <i>Drosophila simulans</i> . <i>Frontiers in Genetics</i> , 2020, 11, 555843.	2.3	9
32	Evolutionary trade-offs between heat and cold tolerance limit responses to fluctuating climates. <i>Science Advances</i> , 2022, 8, .	10.3	9
33	Trait-specific consequences of inbreeding on adaptive phenotypic plasticity. <i>Ecology and Evolution</i> , 2015, 5, 1-6.	1.9	8
34	Detecting purging of inbreeding depression by a slow rate of inbreeding for various traits: the impact of environmental and experimental conditions. <i>Heredity</i> , 2021, 127, 10-20.	2.6	8
35	Genome-wide regulatory deterioration impedes adaptive responses to stress in inbred populations of <i>Drosophila melanogaster</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2018, 72, 1614-1628.	2.3	7
36	Physiological Adaptations to Extreme Maternal and Allomaternal Care in Spiders. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	7

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37	Patterns of environmental variance across environments and traits in domestic cattle. <i>Evolutionary Applications</i> , 2020, 13, 1090-1102.	3.1	6
38	The importance of environmental microbes for <i>Drosophila melanogaster</i> during seasonal macronutrient variability. <i>Scientific Reports</i> , 2021, 11, 18850.	3.3	5
39	Fluctuations in nutrient composition affect male reproductive output in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2019, 118, 103940.	2.0	4
40	Genetic correlations and their dependence on environmental similarity—Insights from livestock data. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1672-1678.	2.3	1