

Kristi L Montooth

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,873
citations

304743

22
h-index

414414

32
g-index

40
all docs

40
docs citations

40
times ranked

5230
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of genome structure in the <i>Drosophila simulans</i> species complex. <i>Genome Research</i> , 2021, 31, 380-396.	5.5	55
2	Physical bioenergetics: Energy fluxes, budgets, and constraints in cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	52
3	Phenotypic Variation in Mitochondria-Related Performance Traits Across New Zealand Snail Populations. <i>Integrative and Comparative Biology</i> , 2020, 60, 275-287.	2.0	8
4	A role for triglyceride lipase brummer in the regulation of sex differences in <i>Drosophila</i> fat storage and breakdown. <i>PLoS Biology</i> , 2020, 18, e3000595.	5.6	75
5	Beyond the Powerhouse: Integrating Mitonuclear Evolution, Physiology, and Theory in Comparative Biology. <i>Integrative and Comparative Biology</i> , 2019, 59, 856-863.	2.0	17
6	Lactate dehydrogenase and glycerol-3-phosphate dehydrogenase cooperatively regulate growth and carbohydrate metabolism during <i>Drosophila melanogaster</i> larval development. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	28
7	Temperature-Sensitive Reproduction and the Physiological and Evolutionary Potential for Mother's Curse. <i>Integrative and Comparative Biology</i> , 2019, 59, 890-899.	2.0	22
8	Genetic Variation for Ontogenetic Shifts in Metabolism Underlies Physiological Homeostasis in <i>Drosophila</i> . <i>Genetics</i> , 2019, 212, 537-552.	2.9	26
9	Energy demand and the context-dependent effects of genetic interactions underlying metabolism. <i>Evolution Letters</i> , 2018, 2, 102-113.	3.3	20
10	Mitochondrial Dysfunction and Infection Generate Immunity's Fecundity Tradeoffs in <i>Drosophila</i> . <i>Integrative and Comparative Biology</i> , 2018, 58, 591-603.	2.0	34
11	Experimental test and refutation of a classic case of molecular adaptation in <i>Drosophila melanogaster</i> . <i>Nature Ecology and Evolution</i> , 2017, 1, 25.	7.8	24
12	Incompatibility between mitochondrial and nuclear genomes during oogenesis results in ovarian failure and embryonic lethality. <i>Development (Cambridge)</i> , 2017, 144, 2490-2503.	2.5	38
13	Maternal loading of a small heat shock protein increases embryo thermal tolerance in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 4492-4501.	1.7	38
14	The Roles of Compensatory Evolution and Constraint in Aminoacyl tRNA Synthetase Evolution. <i>Molecular Biology and Evolution</i> , 2016, 33, 152-161.	8.9	45
15	Similar Efficacies of Selection Shape Mitochondrial and Nuclear Genes in Both <i>Drosophila melanogaster</i> and <i>Homo sapiens</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2165-2176.	1.8	54
16	Thermal adaptation of cellular membranes in natural populations of <i>Drosophila melanogaster</i> . <i>Functional Ecology</i> , 2014, 28, 886-894.	3.6	50
17	Predicting Performance and Plasticity in the Development of Respiratory Structures and Metabolic Systems. <i>Integrative and Comparative Biology</i> , 2014, 54, 307-322.	2.0	13
18	Inducing extra copies of the Hsp70 gene in <i>Drosophila melanogaster</i> increases energetic demand. <i>BMC Evolutionary Biology</i> , 2013, 13, 68.	3.2	49

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19	Pleiotropic Effects of a Mitochondrialâ€Nuclear Incompatibility Depend upon the Accelerating Effect of Temperature in <i>Drosophila</i> . <i>Genetics</i> , 2013, 195, 1129-1139.	2.9	110
20	An Incompatibility between a Mitochondrial tRNA and Its Nuclear-Encoded tRNA Synthetase Compromises Development and Fitness in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2013, 9, e1003238.	3.5	239
21	Mortality from desiccation contributes to a genotype-by-temperature interaction for cold survival in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2012, 216, 1174-82.	1.7	11
22	IN A VARIABLE THERMAL ENVIRONMENT SELECTION FAVORS GREATER PLASTICITY OF CELL MEMBRANES IN <i>DROSOPHILA MELANOGASTER</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 1976-1984.	2.3	60
23	Profiling and quantification of <i>Drosophila melanogaster</i> lipids using liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2959-2968.	1.5	37
24	MITOCHONDRIAL-NUCLEAR EPISTASIS AFFECTS FITNESS WITHIN SPECIES BUT DOES NOT CONTRIBUTE TO FIXED INCOMPATIBILITIES BETWEEN SPECIES OF <i>DROSOPHILA</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 3364-3379.	2.3	105
25	Comparative Genomics of <i>Drosophila</i> mtDNA: Novel Features of Conservation and Change Across Functional Domains and Lineages. <i>Journal of Molecular Evolution</i> , 2009, 69, 94-114.	1.8	56
26	The Spectrum of Mitochondrial Mutation Differs across Species. <i>PLoS Biology</i> , 2008, 6, e213.	5.6	48
27	Evolution of genes and genomes on the <i>Drosophila</i> phylogeny. <i>Nature</i> , 2007, 450, 203-218.	27.8	1,886
28	Positive and negative selection on the mitochondrial genome. <i>Trends in Genetics</i> , 2007, 23, 259-263.	6.7	299
29	Membrane lipid physiology and toxin catabolism underlie ethanol and acetic acid tolerance in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2006, 209, 3837-3850.	1.7	50
30	Cuticular pheromones and water balance in the house fly, <i>Musca domestica</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003, 135, 457-465.	1.8	15
31	Conditional tradeoffs between aging and organismal performance of Indy long-lived mutant flies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3369-3373.	7.1	186
32	Mapping Determinants of Variation in Energy Metabolism, Respiration and Flight in <i>Drosophila</i> . <i>Genetics</i> , 2003, 165, 623-635.	2.9	106