

Charles-A Darveau

List of Publications by Year in descending order

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18
papers

954
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687363

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839539

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1064
citing authors

#	ARTICLE	IF	CITATIONS
1	Proline as a Sparker Metabolite of Oxidative Metabolism during the Flight of the Bumblebee, <i>Bombus impatiens</i> . <i>Metabolites</i> , 2021, 11, 511.	2.9	8
2	Flight energetics, caste dimorphism and scaling properties in the bumblebee <i>Bombus impatiens</i> . <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	4
3	Diversity in membrane composition is associated with variation in thermoregulatory capacity in hymenopterans.. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 224, 115-120.	1.6	7
4	Alternative fuels contributing to mitochondrial electron transport: Importance of non-classical pathways in the diversity of animal metabolism. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2018, 224, 185-194.	1.6	44
5	Proline as a fuel for insect flight: enhancing carbohydrate oxidation in hymenopterans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160333.	2.6	95
6	Setting the pace of life: membrane composition of flight muscle varies with metabolic rate of hovering orchid bees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142232.	2.6	17
7	Intraspecific variation in flight metabolic rate in the bumblebee <i>Bombus impatiens</i> : repeatability and functional determinants in workers and drones. <i>Journal of Experimental Biology</i> , 2014, 217, 536-44.	1.7	19
8	Body Morphology, Energy Stores, and Muscle Enzyme Activity Explain Cricket Acoustic Mate Attraction Signaling Variation. <i>PLoS ONE</i> , 2014, 9, e90409.	2.5	17
9	Setting Conservation Priorities in a Widespread Species: Phylogeographic and Physiological Variation in the Lake Chub, <i>Couesius plumbeus</i> (Pisces: Cyprinidae). <i>Diversity</i> , 2013, 5, 149-165.	1.7	12
10	Thermal Physiology of Warm-Spring Colonists: Variation among Lake Chub (Cyprinidae: <i>Couesius</i>)	1.5	11
11	Morphological and Physiological Idiosyncrasies Lead to Interindividual Variation in Flight Metabolic Rate in Worker Bumblebees (<i>Bombus impatiens</i>). <i>Physiological and Biochemical Zoology</i> , 2012, 85, 657-670.	1.5	25
12	Behavioural, morphological, and metabolic maturation of newly emerged adult workers of the bumblebee, <i>Bombus impatiens</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 704-711.	2.0	17
13	Allometric scaling of flight energetics in orchid bees: evolution of flux capacities and flux rates. <i>Journal of Experimental Biology</i> , 2005, 208, 3593-3602.	1.7	32
14	Roles of hierarchical and metabolic regulation in the allometric scaling of metabolism in Panamanian orchid bees. <i>Journal of Experimental Biology</i> , 2005, 208, 3603-3607.	1.7	22
15	Allometric scaling of flight energetics in Panamanian orchid bees: a comparative phylogenetic approach. <i>Journal of Experimental Biology</i> , 2005, 208, 3581-3591.	1.7	60
16	Energy metabolism in orchid bee flight muscles: carbohydrate fuels all. <i>Journal of Experimental Biology</i> , 2005, 208, 3573-3579.	1.7	112
17	Why does metabolic rate scale with body size? Allometric cascades. <i>Nature</i> , 2003, 421, 714-714.	27.8	19
18	Allometric cascade as a unifying principle of body mass effects on metabolism. <i>Nature</i> , 2002, 417, 166-170.	27.8	433