Ariovaldo P Cruz-Neto

List of Publications by Year
in descending order

50 papers	1,147 citations	394421 19 h-index	414414 32 g-index
52 all docs	52 docs citations	52 times ranked	1504 citing authors

#	Article	IF	Citations
1	TNF-Î± acts in the hypothalamus inhibiting food intake and increasing the respiratory quotientâ€"Effects on leptin and insulin signaling pathways. Peptides, 2007, 28, 1050-1058.	2.4	109
2	The Relationship between Diet Quality and Basal Metabolic Rate in Endotherms: Insights from Intraspecific Analysis. Physiological and Biochemical Zoology, 2004, 77, 877-889.	1.5	92
3	Diet, phylogeny, and basal metabolic rate in phyllostomid bats. Zoology, 2001, 104, 49-58.	1.2	82
4	Hypothalamic Melanin-Concentrating Hormone Is Induced by Cold Exposure and Participates in the Control of Energy Expenditure in Rats. Endocrinology, 2003, 144, 4831-4840.	2.8	65
5	Paracellular Absorption: A Bat Breaks the Mammal Paradigm. PLoS ONE, 2008, 3, e1425.	2.5	60
6	Intraspecific Variability in the Basal Metabolic Rate: Testing the Food Habits Hypothesis. Physiological and Biochemical Zoology, 2007, 80, 452-460.	1.5	59
7	Adjusting energy expenditures to energy supply: food availability regulates torpor use and organ size in the Chilean mouse-opossum Thylamys elegans. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2007, 177, 393-400.	1.5	54
8	Use of space by frugivorous bats (Chiroptera: Phyllostomidae) in a restored Atlantic forest fragment in Brazil. Forest Ecology and Management, 2013, 291, 136-143.	3.2	51
9	Physiological and morphological responses to feeding in broad-nosed caiman (Caiman latirostris). Journal of Experimental Biology, 2007, 210, 2033-2045.	1.7	43
10	<scp>ATLANTIC MAMMAL TRAITS</scp>: a data set of morphological traits of mammals in the Atlantic Forest of South America. Ecology, 2018, 99, 498-498.	3.2	39
11	Metabolic, Ventilatory, and Hygric Physiology of the Gracile Mouse Opossum (Gracilinanus agilis). Physiological and Biochemical Zoology, 2009, 82, 153-162.	1.5	35
12	Frugivory by phyllostomid bats (Mammalia: Chiroptera) in a restored area in Southeast Brazil. Acta Oecologica, 2011, 37, 31-36.	1.1	34
13	Bat Influenza A(HL18NL11) Virus in Fruit Bats, Brazil. Emerging Infectious Diseases, 2019, 25, 333-337.	4.3	34
14	Genetic diversity of bats coronaviruses in the Atlantic Forest hotspot biome, Brazil. Infection, Genetics and Evolution, 2016, 44, 510-513.	2.3	32
15	Energetic Cost of Predation: Aerobic Metabolism during Prey Ingestion by Juvenile Rattlesnakes, Crotalus durissus. Journal of Herpetology, 1999, 33, 229.	0.5	30
16	Use of Fruit Essential Oils to Assist Forest Regeneration by Bats. Restoration Ecology, 2012, 20, 211-217.	2.9	26
17	Metabolic rate, evaporative water loss and thermoregulatory state in four species of bats in the Negev desert. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 191, 156-165.	1.8	26
18	Aerobic metabolism during predation by a boid snake. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 133, 487-498.	1.8	23

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19	Energetic and physiological correlates of prey handling and ingestion in lizards and snakes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 128, 513-531.	1.8	22
20	Physiological diversity in tolerance to water deprivation among species of South American desert rodents. Journal of Arid Environments, 2007, 70, 427-442.	2.4	19
21	Geographic Variation in Daily Temporal Activity Patterns of a Neotropical Marsupial (Gracilinanus) Tj ETQq1 1 0.784314 rgBT /Overloc	2.5	15
22	Thermoregulation by an Australian murine rodent, the ash-grey mouse (Pseudomys albocinereus). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2012, 163, 336-342.	1.8	14
23	Short-term menthol treatment promotes persistent thermogenesis without induction of compensatory food consumption in Wistar rats: implications for obesity control. Journal of Applied Physiology, 2018, 124, 672-683.	2.5	14
24	Metabolic, ventilatory, and hygric physiology of a South American marsupial, the long-furred woolly mouse opossum. Journal of Mammalogy, 2010, 91, 1-10.	1.3	13
25	The energetic cost of mounting an immune response for Pallasâ€™s long-tongued bat (<i>Glossophaga) Tj ETQq1 1 0.784314 rgBT /O	2.0	13
26	Metabolic, hygric and ventilatory physiology of a hypermetabolic marsupial, the honey possum (Tarsipes rostratus). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2009, 179, 773-781.	1.5	12
27	High paracellular nutrient absorption in intact bats is associated with high paracellular permeability in perfused intestinal segments. Journal of Experimental Biology, 2014, 217, 3311-7.	1.7	11
28	Thermogenic capacity of three species of fruit-eating phyllostomid bats. Journal of Thermal Biology, 2011, 36, 225-231.	2.5	10
29	Bats respond to simulated bacterial infection during the active phase by reducing food intake. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2020, 333, 536-542.	1.9	10
30	Physical constraints on thermoregulation and flight drive morphological evolution in bats. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2103745119.	7.1	10
31	Food restriction, but not seasonality, modulates the acute phase response of a Neotropical bat. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 229, 93-100.	1.8	9
32	Ontogenetic variation of oxygen uptake in the pitviper Bothrops moojeni (Serpentes, Viperidae). Comparative Biochemistry and Physiology A, Comparative Physiology, 1994, 108, 549-554.	0.6	8
33	From doubly labelled water to halfâ€life; validating radioâ€isotopic rubidium turnover to measure metabolism in small vertebrates. Methods in Ecology and Evolution, 2013, 4, 619-628.	5.2	8
34	Characteristic flight speeds in bats. CEAS Aeronautical Journal, 2016, 7, 621-643.	1.7	8
35	Habitat amount partially affects physiological condition and stress level in Neotropical fruit-eating bats. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 237, 110537.	1.8	8
36	Aerodynamic power and mechanical efficiency of bat airframes using a quasi-steady model. CEAS Aeronautical Journal, 2014, 5, 253-264.	1.7	6

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37	Trophic niche changes associated with habitat fragmentation in a Neotropical bat species. Biotropica, 2019, 51, 709-718.	1.6	6
38	Toxin jararhagin in low doses induces interstitial edema and increases the metabolic rate and red blood cells in mice. Toxicon, 2006, 48, 1060-1067.	1.6	5
39	Intestinal Water Absorption Varies with Expected Dietary Water Load among Bats but Does Not Drive Paracellular Nutrient Absorption. Physiological and Biochemical Zoology, 2015, 88, 680-684.	1.5	5
40	Morphological bases for intestinal paracellular absorption in bats and rodents. Journal of Morphology, 2019, 280, 1359-1369.	1.2	5
41	A Comparison of mucosal surface area and villous histology in small intestines of the <scp>B</scp>razilian freeâ€tailed bat (<scp>T</scp>adarida brasiliensis) and the mouse (<scp>M</scp>us musculus). Journal of Morphology, 2015, 276, 102-108.	1.2	4
42	The impact of botfly parasitism on the health of the gracile mouse opossum (Gracilinanus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.5	4
43	Body Temperature and Thermoregulatory Behaviour of the Lizard Ameiva ameiva in Central Amazonian Forests. Studies on Neotropical Fauna and Environment, 1996, 31, 11-16.	1.0	3
44	Differences in physiological traits associated with water balance among rodents, and their relationship to tolerance of habitat fragmentation. Journal of Experimental Zoology, 2015, 323, 731-744.	1.2	3
45	The relationships between food and energy intakes, salt content and sugar types in Egyptian fruit bats. Mammalian Biology, 2015, 80, 409-413.	1.5	3
46	Ruthenium red attenuates brown adipose tissue thermogenesis in rats. Journal of Thermal Biology, 2021, 95, 102779.	2.5	2
47	The effects of acute hypoxia and hypercapnia on oxygen consumption of the freshwater European eel. Journal of Fish Biology, 1997, 50, 759-769.	1.6	2
48	Breeding biology of Long-tailed CinclodesÂCinclodesÂpabsti Sick, 1969 (Passeriformes: Furnariidae). Papeis Avulsos De Zoologia, 0, 61, e20216184.	0.4	1
49	22.P3. Reproductive energetics in gracile mouse opossum: Lean mass and basal metabolic rate effects in males and females. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 148, S101-S102.	1.8	0
50	Sugar and nitrogen digestive processing does not explain the specialized relationship between euphonias and lowâ€quality fruits. Journal of Avian Biology, 2021, 52, .	1.2	0