

Valery M Gavrilov

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

357
citations

1478505

6
h-index

1372567

10
g-index

14
all docs

14
docs citations

14
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of metabolic scaling among the tetrapod: effect of phylogeny, the geologic time of class formation, and uniformity of species within a class. <i>Integrative Zoology</i> , 2022, 17, 904-917.	2.6	9
2	Total Evaporative Water Loss in Birds at Different Ambient Temperatures: Allometric and Stoichiometric Approaches. <i>Zoological Studies</i> , 2017, 56, e37.	0.3	0
3	The stoichiometric approach in determining total evaporative water loss and the relationship between evaporative and non-evaporative heat loss in two resting bird species: passerine and non-passerine. <i>Avian Research</i> , 2015, 6, .	1.2	2
4	Ecological and Scaling Analysis of the Energy Expenditure of Rest, Activity, Flight, and Evaporative Water Loss in Passeriformes and Non-Passeriformes in Relation to Seasonal Migrations and to the Occupation of Boreal Stations in High and Moderate Latitudes. <i>Quarterly Review of Biology</i> , 2014, 89, 107-150.	0.1	20
5	Diurnal rhythms of locomotor activity, changes in body mass and fat reserves, standard metabolic rate, and respiratory quotient in the free-living coal tit (<i>Parus ater</i>) in the autumn-winter period. <i>Biology Bulletin</i> , 2013, 40, 678-683.	0.5	3
6	Origin and development of homoiothermy: A case study of avian energetics. <i>Advances in Bioscience and Biotechnology (Print)</i> , 2013, 04, 1-17.	0.7	8
7	Fundamental energetics of birds: 1. The maximum ability of birds to change their thermal conductance and the efficiency of metabolic energy transformation into mechanical work. <i>Biology Bulletin</i> , 2012, 39, 569-578.	0.5	2
8	Fundamental avian energetics: 2. The ability of birds to change heat loss and explanation of the mass exponent for basal metabolism in homeothermic animals. <i>Biology Bulletin</i> , 2012, 39, 659-671.	0.5	2
9	Energy expenditures for flight, aerodynamic quality, and colonization of forest habitats by birds. <i>Biology Bulletin</i> , 2011, 38, 779-788.	0.5	10
10	Mean mass-specific metabolic rates are strikingly similar across life's major domains: Evidence for life's metabolic optimum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16994-16999.	7.1	276
11	Photoperiodic Control of the Molt Cycle in the Chaffinch (<i>Fringilla coelebs</i>). <i>Auk</i> , 1980, 97, 50-62.	1.4	25