Valery M Gavrilov

List of Publications by Year
in descending order

11	357	1478505 6	1372567 10
papers	citations	h-index	g-index

14	14	14	602
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mean mass-specific metabolic rates are strikingly similar across life's major domains: Evidence for life's metabolic optimum. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16994-16999.	7.1	276
2	Photoperiodic Control of the Molt Cycle in the Chaffinch (Fringilla coelebs). Auk, 1980, 97, 50-62.	1.4	25
3	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. Quarterly Review of Biology, 2014, 89, 107-150.	0.1	20
4	Energy expenditures for flight, aerodynamic quality, and colonization of forest habitats by birds. Biology Bulletin, 2011, 38, 779-788.	0.5	10
5	Evolution of metabolic scaling among the tetrapod: effect of phylogeny, the geologic time of class formation, and uniformity of species within a class. Integrative Zoology, 2022, 17, 904-917.	2.6	9
6	Origin and development of homoiothermy: A case study of avian energetics. Advances in Bioscience and Biotechnology (Print), 2013, 04, 1-17.	0.7	8
7	Diurnal rhythms of locomotor activity, changes in body mass and fat reserves, standard metabolic rate, and respiratory quotient in the free-living coal tit (Parus ater) in the autumn-winter period. Biology Bulletin, 2013, 40, 678-683.	0.5	3
8	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. Biology Bulletin, 2012, 39, 569-578.	0.5	2
9	Fundamental avian energetics: 2. The ability of birds to change heat loss and explanation of the mass exponent for basal metabolism in homeothermic animals. Biology Bulletin, 2012, 39, 659-671.	0.5	2
10	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. Avian Research, 2015, 6, .	1.2	2
11	Total Evaporative Water Loss in Birds at Different Ambient Temperatures: Allometric and Stoichiometric Approaches. Zoological Studies, 2017, 56, e37.	0.3	0