Speakman John

List of Publications by Year
in descending order

626 papers	35,298 citations	3334 91 h-index	7745 150 g-index
637 all docs	637 docs citations	637 times ranked	29610 citing authors

#	Article	IF	Citations
1	Body size, energy metabolism and lifespan. Journal of Experimental Biology, 2005, 208, 1717-1730.	1.7	714
2	A guide to analysis of mouse energy metabolism. Nature Methods, 2012, 9, 57-63.	19.0	655
3	Caloric restriction. Molecular Aspects of Medicine, 2011, 32, 159-221.	6.4	635
4	The physiological costs of reproduction in small mammals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 375-398.	4.0	590
5	Energy balance and its components: implications for body weight regulation. American Journal of Clinical Nutrition, 2012, 95, 989-994.	4.7	509
6	Uncoupled and surviving: individual mice with high metabolism have greater mitochondrial uncoupling and live longer. Aging Cell, 2004, 3, 87-95.	6.7	505
7	Evidence for lifespan extension and delayed ageâ€"related biomarkers in insulin receptor substrate 1 null mice. FASEB Journal, 2008, 22, 807-818.	0.5	487
8	AMPK is essential for energy homeostasis regulation and glucose sensing by POMC and AgRP neurons. Journal of Clinical Investigation, 2007, 117, 2325-2336.	8.2	445
9	Energy balance measurement: when something is not better than nothing. International Journal of Obesity, 2015, 39, 1109-1113.	3.4	438
10	Measuring metabolic rate in the field: the pros and cons of the doubly labelled water and heart rate methods. Functional Ecology, 2004, 18, 168-183.	3.6	407
11	Factors influencing variation in basal metabolic rate include fat-free mass, fat mass, age, and circulating thyroxine but not sex, circulating leptin, or triiodothyronine. American Journal of Clinical Nutrition, 2005, 82, 941-948.	4.7	384
12	Energetic and Fitness Costs of Mismatching Resource Supply and Demand in Seasonally Breeding Birds. Science, 2001, 291, 2598-2600.	12.6	345
13	Maximal heat dissipation capacity and hyperthermia risk: neglected key factors in the ecology of endotherms. Journal of Animal Ecology, 2010, 79, 726-746.	2.8	335
14	Climate-mediated energetic constraints on the distribution of hibernating mammals. Nature, 2002, 418, 313-316.	27.8	323
15	Physical activity and resting metabolic rate. Proceedings of the Nutrition Society, 2003, 62, 621-634.	1.0	311
16	High hunting costs make African wild dogs vulnerable to kleptoparasitism by hyaenas. Nature, 1998, 391, 479-481.	27.8	302
17	Low energy values of fish as a probable cause of a major seabird breeding failure in the North Sea. Marine Ecology - Progress Series, 2005, 294, 1-8.	1.9	302
18	Oxidative damage, ageing, and life-history evolution: where now?. Trends in Ecology and Evolution, 2012, 27, 570-577.	8.7	286

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19	Polymorphisms of the <i>FTO</i> Gene Are Associated With Variation in Energy Intake, but not Energy Expenditure. Obesity, 2008, 16, 1961-1965.	3.0	281
20	Thrifty genes for obesity, an attractive but flawed idea, and an alternative perspective: the â€˜drifty geneâ€™ hypothesis. International Journal of Obesity, 2008, 32, 1611-1617.	3.4	277
21	Set points, settling points and some alternative models: theoretical options to understand how genes and environments combine to regulate body adiposity. DMM Disease Models and Mechanisms, 2011, 4, 733-745.	2.4	266
22	Daily energy expenditure through the human life course. Science, 2021, 373, 808-812.	12.6	234
23	The history and theory of the doubly labeled water technique. American Journal of Clinical Nutrition, 1998, 68, 932S-938S.	4.7	221
24	Physical activity energy expenditure has not declined since the 1980s and matches energy expenditures of wild mammals. International Journal of Obesity, 2008, 32, 1256-1263.	3.4	220
25	The freeâ€radical damage theory: Accumulating evidence against a simple link of oxidative stress to ageing and lifespan. BioEssays, 2011, 33, 255-259.	2.5	216
26	The role of insulin receptor substrate 2 in hypothalamic and Î² cell function. Journal of Clinical Investigation, 2005, 115, 940-950.	8.2	209
27	Limits to Sustained Metabolic Rate: The Link between Food Intake, Basal Metabolic Rate, and Morphology in Reproducing Mice, Mus musculus. Physiological Zoology, 1996, 69, 746-769.	1.5	208
28	Some mathematical and technical issues in the measurement and interpretation of open-circuit indirect calorimetry in small animals. International Journal of Obesity, 2006, 30, 1322-1331.	3.4	207
29	The Functional Significance of Individual Variation in Basal Metabolic Rate. Physiological and Biochemical Zoology, 2004, 77, 900-915.	1.5	206
30	Measuring Energy Metabolism in the Mouse â€“ Theoretical, Practical, and Analytical Considerations. Frontiers in Physiology, 2013, 4, 34.	2.8	205
31	A Nonadaptive Scenario Explaining the Genetic Predisposition to Obesity: The â€œPredation Releaseâ€• Hypothesis. Cell Metabolism, 2007, 6, 5-12.	16.2	201
32	No cost of echolocation for bats in flight. Nature, 1991, 350, 421-423.	27.8	199
33	Birds sacrifice oxidative protection for reproduction. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S360-3.	2.6	197
34	Brown Adipose Tissue Transplantation Reverses Obesity in Ob/Ob Mice. Endocrinology, 2015, 156, 2461-2469.	2.8	193
35	Dietary Fat, but Not Protein or Carbohydrate, Regulates Energy Intake and Causes Adiposity in Mice. Cell Metabolism, 2018, 28, 415-431.e4.	16.2	191
36	Exceptionally low daily energy expenditure in the bamboo-eating giant panda. Science, 2015, 349, 171-174.	12.6	190

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37	Brown adipose tissue transplantation improves whole-body energy metabolism. Cell Research, 2013, 23, 851-854.	12.0	188
38	Obesity: The Integrated Roles of Environment and Genetics. Journal of Nutrition, 2004, 134, 2090S-2105S.	2.9	183
39	Oxidative stress as a cost of reproduction: Beyond the simplistic tradeâ€off model. BioEssays, 2014, 36, 93-106.	2.5	178
40	Microbiota Depletion Impairs Thermogenesis of Brown Adipose Tissue and Browning of White Adipose Tissue. Cell Reports, 2019, 26, 2720-2737.e5.	6.4	173
41	Oxidative stress and life histories: unresolved issues and current needs. Ecology and Evolution, 2015, 5, 5745-5757.	1.9	169
42	Limits to sustained energy intake. Journal of Experimental Biology, 2001, 204, 1967-1977.	1.7	169
43	Living Fast, Dying When? The Link between Aging and Energetics. Journal of Nutrition, 2002, 132, 1583S-1597S.	2.9	167
44	White-nose syndrome initiates a cascade of physiologic disturbances in the hibernating bat host. BMC Physiology, 2014, 14, 10.	3.6	167
45	High flight costs, but low dive costs, in auks support the biomechanical hypothesis for flightlessness in penguins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9380-9384.	7.1	160
46	On the origin of obesity: identifying the biological, environmental and cultural drivers of genetic risk among human populations. Obesity Reviews, 2018, 19, 121-149.	6.5	158
47	Limits to sustained energy intake. Journal of Experimental Biology, 2001, 204, 1925-1935.	1.7	157
48	Not so hot: Optimal housing temperatures for mice to mimic the thermal environment of humans. Molecular Metabolism, 2013, 2, 5-9.	6.5	156
49	Associations between energy demands, physical activity, and body composition in adult humans between 18 and 96 y of age. American Journal of Clinical Nutrition, 2010, 92, 826-834.	4.7	149
50	Use of high-fat diets to study rodent obesity as a model of human obesity. International Journal of Obesity, 2019, 43, 1491-1492.	3.4	147
51	Increased television viewing is associated with elevated body fatness but not with lower total energy expenditure in children. American Journal of Clinical Nutrition, 2009, 89, 1031-1036.	4.7	145
52	Sex differences in the effect of fish-oil supplementation on the adaptive response to resistance exercise training in older people: a randomized controlled trial. American Journal of Clinical Nutrition, 2017, 105, 151-158.	4.7	141
53	Reconstitution of <i>UCP1</i> using CRISPR/Cas9 in the white adipose tissue of pigs decreases fat deposition and improves thermogenic capacity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9474-E9482.	7.1	137
54	Age-related changes in the metabolism and body composition of three dog breeds and their relationship to life expectancy. Aging Cell, 2003, 2, 265-275.	6.7	133

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55	Evolutionary Perspectives on the Obesity Epidemic: Adaptive, Maladaptive, and Neutral Viewpoints. Annual Review of Nutrition, 2013, 33, 289-317.	10.1	130
56	The â€˜Fat Mass and Obesity Relatedâ€™ (FTO) gene: Mechanisms of Impact on Obesity and Energy Balance. Current Obesity Reports, 2015, 4, 73-91.	8.4	129
57	Limits to sustained energy intake. X. Effects of fur removal on reproductive performance in laboratory mice. Journal of Experimental Biology, 2007, 210, 4233-4243.	1.7	127
58	Limits to sustained energy intake VI. Energetics of lactation in laboratory mice at thermoneutrality. Journal of Experimental Biology, 2003, 206, 4255-4266.	1.7	125
59	Daily energy expenditure of the grey mouse lemur (Microcebus murinus): a small primate that uses torpor. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2000, 170, 633-641.	1.5	124
60	The energy balance model of obesity: beyond calories in, calories out. American Journal of Clinical Nutrition, 2022, 115, 1243-1254.	4.7	123
61	Comparison of Different Approaches for the Calculation of Energy Expenditure Using Doubly Labeled Water in a Small Mammal. Physiological and Biochemical Zoology, 2005, 78, 650-667.	1.5	122
62	Effects of Disturbance on the Energy Expenditure of Hibernating Bats. Journal of Applied Ecology, 1991, 28, 1087.	4.0	120
63	The impact of predation by birds on bat populations in the British Isles. Mammal Review, 1991, 21, 123-142.	4.8	118
64	Limits to sustained energy intake. I. Lactation in the laboratory mouse Mus musculus. Journal of Experimental Biology, 2001, 204, 1925-35.	1.7	118
65	How hot is a hibernaculum? A review of the temperatures at which bats hibernate. Canadian Journal of Zoology, 1996, 74, 761-765.	1.0	116
66	Exercise by lifelong voluntary wheel running reduces subsarcolemmal and interfibrillar mitochondrial hydrogen peroxide production in the heart. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1564-R1572.	1.8	116
67	Preparing for inactivity: How insectivorous bats deposit a fat store for hibernation. Proceedings of the Nutrition Society, 1999, 58, 123-131.	1.0	115
68	Thrifty genes for obesity and the metabolic syndrome â€” time to call off the search?. Diabetes and Vascular Disease Research, 2006, 3, 7-11.	2.0	115
69	Correlations between physiology and lifespan - two widely ignored problems with comparative studies. Aging Cell, 2005, 4, 167-175.	6.7	114
70	Limits to sustained energy intake IX: a review of hypotheses. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2005, 175, 375-394.	1.5	114
71	Energy budgets of lactating and nonâ€reproductive Brown Longâ€Eared Bats (Plecotus auritus) suggest females use compensation in lactation. Functional Ecology, 1999, 13, 360-372.	3.6	113
72	The energy cost of song in the canary, Serinus canaria. Animal Behaviour, 2003, 66, 893-902.	1.9	113

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73	Associations between energetics and over-winter survival in the short-tailed field voleMicrotus agrestis. Journal of Animal Ecology, 2001, 70, 633-640.	2.8	111
74	Hibernal Ecology of the Pipistrelle Bat: Energy Expenditure, Water Requirements and Mass Loss, Implications for Survival and the Function of Winter Emergence Flights. Journal of Animal Ecology, 1989, 58, 797.	2.8	109
75	Accelerometers can measure total and activityâ€specific energy expenditures in freeâ€ranging marine mammals only if linked to timeâ€activity budgets. Functional Ecology, 2017, 31, 377-386.	3.6	109
76	Feathers as a means of monitoring mercury in seabirds: Insights from stable isotope analysis. Environmental Pollution, 1998, 101, 193-200.	7.5	108
77	Limits to sustained energy intake VII. Milk energy output in laboratory mice at thermoneutrality. Journal of Experimental Biology, 2003, 206, 4267-4281.	1.7	108
78	Starving for Life: What Animal Studies Can and Cannot Tell Us about the Use of Caloric Restriction to Prolong Human Lifespan1,. Journal of Nutrition, 2007, 137, 1078-1086.	2.9	108
79	The contribution of animal models to the study of obesity. Laboratory Animals, 2008, 42, 413-432.	1.0	107
80	Roost Selection by the Brown Long-Eared Bat Plecotus auritus. Journal of Applied Ecology, 1997, 34, 399.	4.0	104
81	Validation of dual energy X-ray absorptiometry (DXA) by comparison with chemical analysis of dogs and cats. International Journal of Obesity, 2001, 25, 439-447.	3.4	104
82	The equilibrium concentration of oxygen-18 in body water: Implications for the accuracy of the doubly-labelled water technique and a potential new method of measuring RQ in free-living animals. Journal of Theoretical Biology, 1987, 127, 79-95.	1.7	102
83	Effect of long-term cold exposure on antioxidant enzyme activities in a small mammal. Free Radical Biology and Medicine, 2000, 28, 1279-1285.	2.9	102
84	Associations between overâ€winter survival and resting metabolic rate in juvenile North American red squirrels. Functional Ecology, 2010, 24, 597-607.	3.6	102
85	Sampling Bias in Respirometry. Physiological Zoology, 1992, 65, 604-619.	1.5	101
86	Interlaboratory comparison of different analytical techniques for the determination of oxygen-18 abundance. Analytical Chemistry, 1990, 62, 703-708.	6.5	100
87	Expenditure freeze: the metabolic response of small mammals to cold environments. Ecology Letters, 2005, 8, 1326-1333.	6.4	99
88	Calories or protein? The effect of dietary restriction on lifespan in rodents is explained by calories alone. Experimental Gerontology, 2016, 86, 28-38.	2.8	99
89	Differential responses of the gut transcriptome to plant protein diets in farmed Atlantic salmon. BMC Genomics, 2016, 17, 156.	2.8	98
90	Accelerometry predicts daily energy expenditure in a bird with high activity levels. Biology Letters, 2013, 9, 20120919.	2.3	97

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91	Huddling in groups leads to daily energy savings in free-living African Four-Striped Grass Mice, Rhabdomys pumilio. Functional Ecology, 2006, 20, 166-173.	3.6	96
92	Reduction in BACE1 decreases body weight, protects against diet-induced obesity and enhances insulin sensitivity in mice. Biochemical Journal, 2012, 441, 285-296.	3.7	96
93	Use of lamplit roads by foraging bats in southern England. Journal of Zoology, 1994, 234, 453-462.	1.7	94
94	Why do Insectivorous Bats in Britain Not Fly in Daylight More Frequently?. Functional Ecology, 1991, 5, 518.	3.6	92
95	Resting and daily energy expenditures of free-living field voles are positively correlated but reflect extrinsic rather than intrinsic effects. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14057-14062.	7.1	92
96	Limits to sustained energy intake VIII. Resting metabolic rate and organ morphology of laboratory mice lactating at thermoneutrality. Journal of Experimental Biology, 2003, 206, 4283-4291.	1.7	92
97	The Contributions of Local Heating and Reducing Exposed Surface Area to the Energetic Benefits of Huddling by Short-Tailed Field Voles (Microtus agrestis). Physiological Zoology, 1992, 65, 742-762.	1.5	90
98	Evolution of nocturnality in bats: Potential competitors and predators during their early history. Biological Journal of the Linnean Society, 1995, 54, 183-191.	1.6	90
99	Limits to sustained energy intake. Journal of Experimental Biology, 2001, 204, 1937-1946.	1.7	90
100	The relationship between foraging behaviour and energy expenditure in Antarctic fur seals. Journal of Zoology, 1996, 239, 769-782.	1.7	89
101	The evolution of flight and echolocation in bats: another leap in the dark. Mammal Review, 2001, 31, 111-130.	4.8	89
102	The effects of graded levels of calorie restriction: I. impact of short term calorie and protein restriction on body composition in the C57BL/6 mouse. Oncotarget, 2015, 6, 15902-15930.	1.8	89
103	Metabolic power, mechanical power and efficiency during wind tunnel flight by the European starling<i>Sturnus vulgaris</i>. Journal of Experimental Biology, 2001, 204, 3311-3322.	1.7	89
104	Hypothalamic neuropeptide mechanisms for regulating energy balance: from rodent models to human obesity. Neuroscience and Biobehavioral Reviews, 2001, 25, 101-116.	6.1	88
105	Energy expenditure of calorically restricted rats is higher than predicted from their altered body composition. Mechanisms of Ageing and Development, 2005, 126, 783-793.	4.6	88
106	The energetic and oxidative costs of reproduction in a free-ranging rodent. Functional Ecology, 2011, 25, 1063-1071.	3.6	88
107	Extreme events reveal an alimentary limit on sustained maximal human energy expenditure. Science Advances, 2019, 5, eaaw0341.	10.3	87
108	Contribution of Different Mechanisms to Compensation for Energy Restriction in the Mouse. Obesity, 2005, 13, 1548-1557.	4.0	86

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109	Nectarâ€feeding bats fuel their high metabolism directly with exogenous carbohydrates. Functional Ecology, 2007, 21, 913-921.	3.6	85
110	Association between mammalian lifespan and circadian free-running period: the circadian resonance hypothesis revisited. Biology Letters, 2010, 6, 696-698.	2.3	85
111	Resting metabolic rate and morphology in mice (Mus musculus) selected for high and low food intake. Journal of Experimental Biology, 2001, 204, 777-84.	1.7	85
112	GWAS for BMI: a treasure trove of fundamental insights into the genetic basis of obesity. International Journal of Obesity, 2018, 42, 1524-1531.	3.4	84
113	Energy Intake and Expenditure of Professional Soccer Players of the English Premier League: Evidence of Carbohydrate Periodization. International Journal of Sport Nutrition and Exercise Metabolism, 2017, 27, 228-238.	2.1	83
114	The energetic consequences of parasitism: effects of a developing infection of <i>Trichostrongylus tenuis</i> (Nematoda) on red grouse (<i>Lagopus lagopus scoticus</i>) energy balance, body weight and condition. Parasitology, 1995, 110, 473-482.	1.5	82
115	Flexible energetics of cheetah hunting strategies provide resistance against kleptoparasitism. Science, 2014, 346, 79-81.	12.6	82
116	Energetic costs of male reproduction in a scramble competition mating system. Journal of Animal Ecology, 2010, 79, 27-34.	2.8	81
117	Life-long vitamin C supplementation in combination with cold exposure does not affect oxidative damage or lifespan in mice, but decreases expression of antioxidant protection genes. Mechanisms of Ageing and Development, 2006, 127, 897-904.	4.6	80
118	Limits to sustained energy intake. XIII. Recent progress and future perspectives. Journal of Experimental Biology, 2011, 214, 230-241.	1.7	79
119	Assortative mating for obesity. American Journal of Clinical Nutrition, 2007, 86, 316-323.	4.7	78
120	OXIDATIVE DAMAGE INCREASES WITH REPRODUCTIVE ENERGY EXPENDITURE AND IS REDUCED BY FOOD-SUPPLEMENTATION. Evolution; International Journal of Organic Evolution, 2012, 67, no-no.	2.3	78
121	Inter- and Intraindividual Variation in Daily Energy Expenditure of the Pouched Mouse (Saccostomus) Tj ETQq1 1 0.784314 rgBT /Overlo	3.6	77
122	Nutrient routing in omnivorous animals tracked by stable carbon isotopes in tissue and exhaled breath. Oecologia, 2008, 157, 31-40.	2.0	77
123	The Heat Dissipation Limit Theory and Evolution of Life Histories in Endothermsâ€"Time to Dispose of the Disposable Soma Theory?. Integrative and Comparative Biology, 2010, 50, 793-807.	2.0	77
124	The energetics of lactation in cooperatively breeding meerkatsSuricata suricatta. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2147-2153.	2.6	76
125	The impact of experimentally elevated energy expenditure on oxidative stress and lifespan in the short-tailed field vole Microtus agrestis. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 1907-1916.	2.6	76
126	Measures of Healthspan as Indices of Aging in Miceâ€"A Recommendation. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 427-430.	3.6	76

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127	The effects of graded levels of calorie restriction: II. Impact of short term calorie and protein restriction on circulating hormone levels, glucose homeostasis and oxidative stress in male C57BL/6 mice. Oncotarget, 2015, 6, 23213-23237.	1.8	76
128	Measuring the Body Composition of Antarctic Fur Seals (<i>Arctocephalus gazella</i>): Validation of Hydrogen Isotope Dilution. Physiological Zoology, 1996, 69, 93-116.	1.5	75
129	Ambient temperature shapes reproductive output during pregnancy and lactation in the common vole (<i>Microtus arvalis</i>): a test of the heat dissipation limit theory. Journal of Experimental Biology, 2011, 214, 38-49.	1.7	75
130	The evolution of body fatness: trading off disease and predation risk. Journal of Experimental Biology, 2018, 221, .	1.7	75
131	What is the best housing temperature to translate mouse experiments to humans?. Molecular Metabolism, 2019, 25, 168-176.	6.5	75
132	Social and population structure of a gleaning bat, Plecotus auritus. Journal of Zoology, 2000, 252, 11-17.	1.7	74
133	Energetics reveals physiologically distinct castes in a eusocial mammal. Nature, 2006, 440, 795-797.	27.8	74
134	Limits to sustained energy intake. Journal of Experimental Biology, 2001, 204, 1947-1956.	1.7	74
135	Nest placement by loggerhead turtles, Caretta caretta. Animal Behaviour, 1993, 45, 47-53.	1.9	73
136	Nest site selection by sea turtles. Journal of the Marine Biological Association of the United Kingdom, 1995, 75, 667-674.	0.8	73
137	Windscapes shape seabird instantaneous energy costs but adult behavior buffers impact on offspring. Movement Ecology, 2014, 2, 17.	2.8	73
138	Effect of vitamin E supplementation on serum C-reactive protein level: a meta-analysis of randomized controlled trials. European Journal of Clinical Nutrition, 2015, 69, 867-873.	2.9	73
139	Limits to sustained energy intake. V. Effect of cold-exposure during lactation in Mus musculus. Journal of Experimental Biology, 2001, 204, 1967-77.	1.7	73
140	Does body mass play a role in the regulation of food intake?. Proceedings of the Nutrition Society, 2002, 61, 473-487.	1.0	72
141	Management of intestinal obstruction in advanced malignancy. Annals of Medicine and Surgery, 2015, 4, 264-270.	1.1	72
142	The consequences of acute cold exposure on protein oxidation and proteasome activity in short-tailed field voles, microtus agrestis. Free Radical Biology and Medicine, 2002, 33, 259-265.	2.9	71
143	Feeding Behaviour in Galanin Knockout Mice Supports a Role of Galanin in Fat Intake and Preference. Journal of Neuroendocrinology, 2008, 20, 199-206.	2.6	71
144	Effects of structural and functional habitat gaps on breeding woodland birds: working harder for less. Landscape Ecology, 2008, 23, 615-626.	4.2	71

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145	Little auks buffer the impact of current Arctic climate change. Marine Ecology - Progress Series, 2012, 454, 197-206.	1.9	71
146	Activity patterns of insectivorous bats and birds in northern Scandinavia (69Â°â€…N), during continuous midsummer daylight. Oikos, 2000, 88, 75-86.	2.7	70
147	Fat: an evolving issue. DMM Disease Models and Mechanisms, 2012, 5, 569-573.	2.4	70
148	Evaporative water loss in two sympatric species of vespertilionid bat, <i>Plecotus auritus</i> and <i>Myotis daubentoni</i>: relation to foraging mode and implications for roost site selection. Journal of Zoology, 1995, 235, 269-278.	1.7	69
149	Ageâ€related variation in energy expenditure in a longâ€lived bird within the envelope of an energy ceiling. Journal of Animal Ecology, 2014, 83, 136-146.	2.8	69
150	Central Limits to Sustainable Metabolic Rate Have No Role in Cold Acclimation of the Short-Tailed Field Vole (<i>Microtus agrestis</i>). Physiological Zoology, 1994, 67, 1117-1139.	1.5	68
151	Role of Ucp1 enhancer methylation and chromatin remodelling in the control of Ucp1 expression in murine adipose tissue. Diabetologia, 2010, 53, 1164-1173.	6.3	68
152	Cold adaptation in pigs depends on UCP3 in beige adipocytes. Journal of Molecular Cell Biology, 2017, 9, 364-375.	3.3	68
153	Roost selection in the pipistrelle bat,Pipistrellus pipistrellus(Chiroptera: Vespertilionidae), in northeast Scotland. Animal Behaviour, 1998, 56, 909-917.	1.9	67
154	The reproductive cycle and determination of sexual maturity in male brown long-eared bats, Plecotus auritus (Chiroptera: Vespertilionidae). Journal of Zoology, 1998, 244, 63-70.	1.7	67
155	Chronic central administration of apelin-13 over ten days increases food intake, body weight, locomotor activity and body temperature in C57BL/6 mice. Journal of Neuroendocrinology, 2007, ja, 070927052250001.	2.6	67
156	Effects of reproduction on immuno-suppression and oxidative damage, and hence support or otherwise for their roles as mechanisms underpinning life history trade-offs, are tissue and assay dependent. Journal of Experimental Biology, 2013, 216, 4242-50.	1.7	67
157	The influence of body condition on sexual development of male Brown longâ€eared bats (<i>Plecotus) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	66
158	Sex difference in physical activity, energy expenditure and obesity driven by a subpopulation of hypothalamic POMC neurons. Molecular Metabolism, 2016, 5, 245-252.	6.5	66
159	Limits to sustained energy intake. II. Inter-relationships between resting metabolic rate, life-history traits and morphology in Mus musculus. Journal of Experimental Biology, 2001, 204, 1937-46.	1.7	66
160	Effect of photoperiod on body mass, food intake and body composition in the field vole, Microtus agrestis. Journal of Experimental Biology, 2005, 208, 571-584.	1.7	65
161	Factors influencing the daily energy expenditure of small mammals. Proceedings of the Nutrition Society, 1997, 56, 1119-1136.	1.0	64
162	The energy cost of echolocation in pipistrelle bats (Pipistrettus pipistrellus). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1989, 165, 679-685.	1.6	63

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163	Metabolic power of European starlings Sturnus vulgaris during flight in a wind tunnel, estimated from heat transfer modelling, doubly labelled water and mask respirometry. Journal of Experimental Biology, 2004, 207, 4291-4298.	1.7	63
164	Prevention of diet-induced obesity and impaired glucose tolerance in rats following administration of leptin to their mothers. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1810-R1818.	1.8	63
165	Energy compensation and adiposity in humans. Current Biology, 2021, 31, 4659-4666.e2.	3.9	63
166	Foraging energetics of arctic cormorants and the evolution of diving birds. Ecology Letters, 2001, 4, 180-184.	6.4	62
167	Energetic costs of parasitism in the Cape ground squirrel Xerus inauris. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2169-2177.	2.6	62
168	Probiotics Reduce the Risk of Antibioticâ€Associated Diarrhea in Adults (18â€“64 Years) but Not the Elderly (>65 Years). Nutrition in Clinical Practice, 2016, 31, 502-513.	2.4	62
169	A standard calculation methodology for human doubly labeled water studies. Cell Reports Medicine, 2021, 2, 100203.	6.5	62
170	The effects of Ramadan fasting on activity and energy expenditure. American Journal of Clinical Nutrition, 2018, 107, 54-61.	4.7	61
171	Ranging behaviour and time budgets of male wood mice Apodemus sylvaticus in different habitats and seasons. Oecologia, 1997, 109, 242-250.	2.0	59
172	Torpor and energetic consequences in free-ranging grey mouse lemurs (Microcebus murinus): a comparison of dry and wet forests. Die Naturwissenschaften, 2009, 96, 609-620.	1.6	59
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