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	High dietary protein and fat contents exacerbate hepatic senescence and SASP in mice. FEBS Journal, 2023, 290, 1340-1347.	4.7	8
2	A single nucleotide mutation in the dual-oxidase 2 (DUOX2) gene causes some of the panda's unique metabolic phenotypes. National Science Review, 2022, 9, nwab125.	9.5	8
3	A Mesocosm Experiment in Ecological Physiology: The Modulation of Energy Budget in a Hibernating Marsupial under Chronic Caloric Restriction. Physiological and Biochemical Zoology, 2022, 95, 66-81.	1.5	14
4	Genetic variations in adiponectin levels and dietary patterns on metabolic health among children with normal weight versus obesity: the BCAMS study. International Journal of Obesity, 2022, 46, 325-332.	3.4	7
5	The roles of different macronutrients in regulation of appetite, energy intake and adiposity. Current Opinion in Endocrine and Metabolic Research, 2022, 22, 100297.	1.4	5
6	Influence of environmental factors and parity on milk yield dynamics in barn-housed dairy cattle. Journal of Dairy Science, 2022, 105, 1225-1241.	3.4	17
7	Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition. Nature Communications, 2022, 13, 99.	12.8	7
8	The energy balance model of obesity: beyond calories in, calories out. American Journal of Clinical Nutrition, 2022, 115, 1243-1254.	4.7	123
9	Higher metabolic plasticity in temperate compared to tropical lizards suggests increased resilience to climate change. Ecological Monographs, 2022, 92, .	5.4	20
10	Protective effects of 5-heptadecylresorcinol against adipocyte mitochondrial dysfunction through upregulation of Sirt3-mediated autophagy. Journal of Nutritional Biochemistry, 2022, 103, 108956.	4.2	10
11	Effect of disrupted episodic memory on food consumption: no impact of neuronal loss of Endophilin A1 on food intake and energy balance. Journal of Genetics and Genomics, 2022, , .	3.9	0
12	Setting Ambient Temperature Conditions to Optimize Translation of Molecular Work from the Mouse to Human: The â€œGoldilocks Solutionâ€• Methods in Molecular Biology, 2022, 2448, 235-250.	0.9	4
13	Consumption of takeaway and delivery meals is associated with increased BMI and percent fat among UK Biobank participants. American Journal of Clinical Nutrition, 2022, 116, 173-188.	4.7	4
14	Body temperature is a more important modulator of lifespan than metabolic rate in two small mammals. Nature Metabolism, 2022, 4, 320-326.	11.9	27
15	Increased Variation in Body Weight and Food Intake Is Related to Increased Dietary Fat but Not Increased Carbohydrate or Protein in Mice. Frontiers in Nutrition, 2022, 9, 835536.	3.7	4
16	Effects of dietary macronutrients on the hepatic transcriptome and serum metabolome in mice. Aging Cell, 2022, , e13585.	6.7	4
17	Energy Expenditure of Female International Standard Soccer Players: A Doubly Labeled Water Investigation. Medicine and Science in Sports and Exercise, 2022, 54, 769-779.	0.4	10
18	Obesity: an evolutionary context. , 2022, 1, 10-24.		15

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19	Calorie restriction and calorie dilution have different impacts on body fat, metabolism, behavior, and hypothalamic gene expression. Cell Reports, 2022, 39, 110835.	6.4	8
20	Reply to G Taubes, MI Friedman, and V Torres-Carot et al. American Journal of Clinical Nutrition, 2022, 116, 614-615.	4.7	1
21	Higher than predicted resting energy expenditure and lower physical activity in healthy underweight Chinese adults. Cell Metabolism, 2022, 34, 1413-1415.	16.2	6
22	Human total, basal and activity energy expenditures are independent of ambient environmental temperature. IScience, 2022, 25, 104682.	4.1	6
23	Effects of dietary macronutrients and body composition on glucose homeostasis in mice. National Science Review, 2021, 8, nwaa177.	9.5	9
24	The Effect of Aerobic and Resistance Training and Combined Exercise Modalities on Subcutaneous Abdominal Fat: A Systematic Review and Meta-analysis of Randomized Clinical Trials. Advances in Nutrition, 2021, 12, 179-196.	6.4	26
25	Comparison of total and activity energy expenditure estimates from physical activity questionnaires and doubly labelled water: a systematic review and meta-analysis. British Journal of Nutrition, 2021, 125, 983-997.	2.3	6
26	The Effects of Graded Levels of Calorie Restriction: XVI. Metabolomic Changes in the Cerebellum Indicate Activation of Hypothalamocerebellar Connections Driven by Hunger Responses. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 601-610.	3.6	8
27	Energy Requirements of Male Academy Soccer Players from the English Premier League. Medicine and Science in Sports and Exercise, 2021, 53, 200-210.	0.4	21
28	The impact of the novel coronavirus movement restrictions in the United Kingdom on food outlet usage and body mass index. Obesity Science and Practice, 2021, 7, 302-306.	1.9	9
29	A standard calculation methodology for human doubly labeled water studies. Cell Reports Medicine, 2021, 2, 100203.	6.5	62
30	Adaptive immune response and resting metabolism are unaffected by manipulation of flight intensity, but negatively related to each other. Journal of Avian Biology, 2021, 52, .	1.2	2
31	Validating accelerometry-derived proxies of energy expenditure using the doubly labelled water method in the smallest penguin species. Biology Open, 2021, 10, .	1.2	7
32	The Assessment of Daily Energy Expenditure of Commercial Saturation Divers Using Doubly Labelled Water. Frontiers in Physiology, 2021, 12, 687605.	2.8	3
33	Impact of obesity on COVIDâ€19â€related mortality: A comment on estimates in Popkin et al 2020. Obesity Reviews, 2021, 22, e13250.	6.5	0
34	Depletion of the gut microbiota differentially affects the impact of whey protein on highâ€fat dietâ€induced obesity and intestinal permeability. Physiological Reports, 2021, 9, e14867.	1.7	12
35	Carbohydrates, insulin, and obesity. Science, 2021, 372, 577-578.	12.6	46
36	Fat storage influences fasting endurance more than body size in an ungulate. Functional Ecology, 2021, 35, 1470-1480.	3.6	4

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37	Very-low-protein diets lead to reduced food intake and weight loss, linked to inhibition of hypothalamic mTOR signaling, in mice. Cell Metabolism, 2021, 33, 888-904.e6.	16.2	33
38	Protein quality and quantity influence the effect of dietary fat on weight gain and tissue partitioning via host-microbiota changes. Cell Reports, 2021, 35, 109093.	6.4	8
39	Determinants of heart rate in Svalbard reindeer reveal mechanisms of seasonal energy management. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200215.	4.0	15
40	The effects of graded calorie restriction XVII: Multitissue metabolomics reveals synthesis of carnitine and NAD, and tRNA charging as key pathways. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
41	Surviving winter on the Qinghai-Tibetan Plateau: Pikas suppress energy demands and exploit yak feces to survive winter. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	35
42	Energy compensation and adiposity in humans. Current Biology, 2021, 31, 4659-4666.e2.	3.9	63
43	Daily energy expenditure through the human life course. Science, 2021, 373, 808-812.	12.6	234
44	Brown adipose tissue is the key depot for glucose clearance in microbiota depleted mice. Nature Communications, 2021, 12, 4725.	12.8	25
45	Physical activity and fat-free mass during growth and in later life. American Journal of Clinical Nutrition, 2021, 114, 1583-1589.	4.7	22
46	Daily energy expenditure and water turnover in two breeds of laying hens kept in floor housing. Animal, 2021, 15, 100047.	3.3	2
47	Adiposity, reproductive and metabolic health, and activity levels in zoo Asian elephant (<i>Elephas) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	9
48	Impact of graded maternal dietary fat content on offspring susceptibility to highâ€fat diet in mice. Obesity, 2021, 29, 2055-2067.	3.0	6
49	Angiopoietin-Like Protein 8/Leptin Crosstalk Influences Cardiac Mass in Youths With Cardiometabolic Risk: The BCAMS Study. Frontiers in Endocrinology, 2021, 12, 788549.	3.5	2
50	The relationship between female adiposity and physical attractiveness amongst adults in rural Ranaka village, Botswana. South African Journal of Clinical Nutrition, 2020, 33, 17-22.	0.7	2
51	No impact of hunger on male perception of female physical attractiveness in relation to adiposity: a randomized controlled trial. International Journal of Obesity, 2020, 44, 418-427.	3.4	1
52	The Effects of Graded Levels of Calorie Restriction: XIV. Global Metabolomics Screen Reveals Brown Adipose Tissue Changes in Amino Acids, Catecholamines, and Antioxidants After Short-Term Restriction in C57BL/6 Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 218-229.	3.6	14
53	Effect of calorie restriction or protein intake on circulating levels ofÂinsulin like growth factor I in humans: A systematic review and meta-analysis. Clinical Nutrition, 2020, 39, 1705-1716.	5.0	17
54	Maximizing precision and accuracy of the doubly labeled water method via optimal sampling protocol, calculation choices, and incorporation of 17O measurements. European Journal of Clinical Nutrition, 2020, 74, 454-464.	2.9	13

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55	The carbohydrate-insulin model does not explain the impact of varying dietary macronutrients on the body weight and adiposity of mice. Molecular Metabolism, 2020, 32, 27-43.	6.5	20
56	Energetics suggest cause for even further conservation concern for Temminckâ€™s ground pangolin. Animal Conservation, 2020, 23, 245-249.	2.9	4
57	An Evolutionary Perspective on Sedentary Behavior. BioEssays, 2020, 42, e1900156.	2.5	11
58	Limits to sustained energy intake XXXII: Hot again: dorsal shaving increases energy intake and milk output in golden hamsters (Mesocricetus auratus). Journal of Experimental Biology, 2020, 223, .	1.7	5
59	Predicted impact of increasing average ambient temperature over the coming century on mortality from cardiovascular disease and stroke in the USA. Atherosclerosis, 2020, 313, 1-7.	0.8	10
60	Effects of predation risk on the body mass regulation of growing wood mice. Journal of Zoology, 2020, 312, 122-132.	1.7	3
61	Ageâ€•and durationâ€•dependent effects of whey protein on highâ€•fat dietâ€•induced changes in body weight, lipid metabolism, and gut microbiota in mice. Physiological Reports, 2020, 8, e14523.	1.7	20
62	Metabolic rate through the life-course: From the organism to the organelle. Experimental Gerontology, 2020, 140, 111059.	2.8	0
63	Frequency of Restaurant, Delivery and Takeaway Usage Is Not Related to BMI among Adults in Scotland. Nutrients, 2020, 12, 2501.	4.1	4
64	Late lactation in small mammals is a critically sensitive window of vulnerability to elevated ambient temperature. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24352-24358.	7.1	29
65	Why does caloric restriction increase life and healthspan? The â€˜clean cupboardsâ€™ hypothesis. National Science Review, 2020, 7, 1153-1156.	9.5	21
66	Acceleration predicts energy expenditure in a fat, flightless, diving bird. Scientific Reports, 2020, 10, 21493.	3.3	12
67	Active travelling to school is not associated with increased total daily physical activity levels, or reduced obesity and cardiovascular/pulmonary health parameters in 10â€“12-year olds: a cross-sectional cohort study. International Journal of Obesity, 2020, 44, 1452-1466.	3.4	7
68	Testing the carbohydrate insulin model in mice: Erroneous critique does not alter previous conclusion. Molecular Metabolism, 2020, 35, 100961.	6.5	2
69	The Effects of Graded Levels of Calorie Restriction XV: Phase Space Attractors Reveal Distinct Behavioral Phenotypes. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 858-866.	3.6	3
70	Limits to Sustained Energy Intake XXXI: Effect of Graded Levels of Dietary Fat on Lactation Performance in Swiss Mice. Journal of Experimental Biology, 2020, 223, .	1.7	8
71	Limits to sustained energy intake. XXX. Constraint or restraint? Manipulations of food supply show peak food intake in lactation is constrained. Journal of Experimental Biology, 2020, 223, .	1.7	4
72	Impact of parental smoking on adipokine profiles and cardiometabolic risk factors in Chinese children. Atherosclerosis, 2020, 301, 23-29.	0.8	5

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73	Exposure to hot temperatures during lactation stunted offspring growth and decreased the future reproductive performance of female offspring. Journal of Experimental Biology, 2020, 223, .	1.7	6
74	The energy savings-oxidative cost trade-off for migratory birds during endurance flight. ELife, 2020, 9, .	6.0	19
75	Measuring energy balance: a weighty issue. BMJ, The, 2020, 371, m4673.	6.0	0
76	The Effects of Graded Levels of Calorie Restriction: XIII. Global Metabolomics Screen Reveals Graded Changes in Circulating Amino Acids, Vitamins, and Bile Acids in the Plasma of C57BL/6 Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 16-26.	3.6	14
77	Effects of Ramadan on food intake, glucose homeostasis, lipid profiles and body composition composition. European Journal of Clinical Nutrition, 2019, 73, 594-600.	2.9	35
78	GPR55 deficiency is associated with increased adiposity and impaired insulin signaling in peripheral metabolic tissues. FASEB Journal, 2019, 33, 1299-1312.	0.5	46
79	Progress and challenges in analyzing rodent energy expenditure. Nature Methods, 2019, 16, 797-799.	19.0	37
80	No energetic cost of tuberculosis infection in European badgers (Meles meles). Journal of Animal Ecology, 2019, 88, 1973-1985.	2.8	7
81	Switching on the furnace: Regulation of heat production in brown adipose tissue. Molecular Aspects of Medicine, 2019, 68, 60-73.	6.4	52
82	Fifty shades of brown: The functions, diverse regulation and evolution of brown adipose tissue. Molecular Aspects of Medicine, 2019, 68, 1-5.	6.4	3
83	Switching off the furnace: brown adipose tissue and lactation. Molecular Aspects of Medicine, 2019, 68, 18-41.	6.4	10
84	Do low-carbohydrate diets increase energy expenditure?. International Journal of Obesity, 2019, 43, 2350-2354.	3.4	34
85	Extreme events reveal an alimentary limit on sustained maximal human energy expenditure. Science Advances, 2019, 5, eaaw0341.	10.3	87
86	To best mimic human thermal conditions, mice should be housed slightly below thermoneutrality. Molecular Metabolism, 2019, 26, 4.	6.5	8
87	Impact of dietary sucrose on adiposity and glucose homeostasis in C57BL/6J mice depends on mode of ingestion: liquid or solid. Molecular Metabolism, 2019, 27, 22-32.	6.5	58
88	Low Citrate Synthase Activity Is Associated with Glucose Intolerance and Lipotoxicity. Journal of Nutrition and Metabolism, 2019, 2019, 1-14.	1.8	17
89	What is the best housing temperature to translate mouse experiments to humans?. Molecular Metabolism, 2019, 25, 168-176.	6.5	75
90	Microbiota Depletion Impairs Thermogenesis of Brown Adipose Tissue and Browning of White Adipose Tissue. Cell Reports, 2019, 26, 2720-2737.e5.	6.4	173

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91	Dietary Î±-lactalbumin alters energy balance, gut microbiota composition and intestinal nutrient transporter expression in high-fat diet-fed mice. British Journal of Nutrition, 2019, 121, 1097-1107.	2.3	21
92	Genetic Factors Associated With Human Physical Activity: Are Your Genes Too Tight To Prevent You Exercising?. Endocrinology, 2019, 160, 840-852.	2.8	18
93	Energy expenditure and body temperature variations in llamas living in the High Andes of Peru. Scientific Reports, 2019, 9, 4037.	3.3	21
94	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
95	Energetics and thermal adaptation in semifossorial pine-voles Microtus lusitanicus and Microtus duodecimcostatus. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2019, 189, 309-318.	1.5	5
96	Nutrition and its role in human evolution. Journal of Internal Medicine, 2019, 285, 533-549.	6.0	43
97	Sympatric Atlantic puffins and razorbills show contrasting responses to adverse marine conditions during winter foraging within the North Sea. Movement Ecology, 2019, 7, 33.	2.8	18
98	Preâ€•and postâ€•diagnosis body mass index and heart failure mortality: a doseâ€“response metaâ€•analysis of observational studies reveals greater risk of being underweight than being overweight. Obesity Reviews, 2019, 20, 252-261.	6.5	16
99	Adiponectin: An Indicator for Metabolic Syndrome. Iranian Journal of Public Health, 2019, 48, 1106-1115.	0.5	5
100	Beauty and the Body of the Beholder: Ratersâ€™ BMI Has Only Limited Association with Ratings of Attractiveness of the Opposite Sex. Obesity, 2018, 26, 522-530.	3.0	4
101	Reply to Vl Kraak. American Journal of Clinical Nutrition, 2018, 107, 290-291.	4.7	0
102	The effects of graded caloric restriction: <scp>XII</scp>. Comparison of mouse to human impact on cellular senescence in the colon. Aging Cell, 2018, 17, e12746.	6.7	52
103	The effects of Ramadan fasting on activity and energy expenditure. American Journal of Clinical Nutrition, 2018, 107, 54-61.	4.7	61
104	Adiposity and Reproductive Cycling Status in Zoo African Elephants. Obesity, 2018, 26, 103-110.	3.0	14
105	Limits to sustained energy intake XXVII: trade-offs between first and second litters in lactating mice support the ecological context hypothesis. Journal of Experimental Biology, 2018, 221, .	1.7	7
106	Different impacts of resources on opposite sex ratings of physical attractiveness by males and females. Evolution and Human Behavior, 2018, 39, 220-225.	2.2	21
107	The evolution of body fatness: trading off disease and predation risk. Journal of Experimental Biology, 2018, 221, .	1.7	75
108	The Effects of Graded Levels of Calorie Restriction: X. Transcriptomic Responses of Epididymal Adipose Tissue. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 279-288.	3.6	18

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109	Why lipostatic set point systems are unlikely to evolve. Molecular Metabolism, 2018, 7, 147-154.	6.5	11
110	Validation of the doubly labeled water method using off-axis integrated cavity output spectroscopy and isotope ratio mass spectrometry. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E124-E130.	3.5	14
111	Biomarker of burden: Feather corticosterone reflects energetic expenditure and allostatic overload in captive waterfowl. Functional Ecology, 2018, 32, 345-357.	3.6	21
112	Effect of Probiotic Supplementation on CD4 Cell Count in HIV-Infected Patients: A Systematic Review and Meta-analysis. Journal of Dietary Supplements, 2018, 15, 776-788.	2.6	13
113	Energy expenditure in professional flat jockeys using doubly labelled water during the racing season: Implications for body weight management. European Journal of Sport Science, 2018, 18, 235-242.	2.7	6
114	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
115	Obesity and thermoregulation. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 156, 431-443.	1.8	46
116	Measured energy content of frequently purchased restaurant meals: multi-country cross sectional study. BMJ: British Medical Journal, 2018, 363, k4864.	2.3	35
117	Regulation of intestinal growth in response to variations in energy supply and demand. Obesity Reviews, 2018, 19, 61-72.	6.5	17
118	Limits to sustained energy intake XXIX: the case of the golden hamster (Mesocricetus auratus). Journal of Experimental Biology, 2018, 221, .	1.7	8
119	Association of Fastâ€Food and Fullâ€Service Restaurant Densities With Mortality From Cardiovascular Disease and Stroke, and the Prevalence of Diabetes Mellitus. Journal of the American Heart Association, 2018, 7, .	3.7	21
120	Impact of Obesity and Ozone on the Association Between Particulate Air Pollution and Cardiovascular Disease and Stroke Mortality Among US Adults. Journal of the American Heart Association, 2018, 7, .	3.7	25
121	Limits to sustained energy intake XXVIII: Beneficial effects of high dietary fat on lactation performance in mice. Journal of Experimental Biology, 2018, 221, .	1.7	7
122	Response to â€˜Fat is not just an energy storeâ€™. Journal of Experimental Biology, 2018, 221, .	1.7	1
123	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
124	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
125	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
126	The effects of graded levels of calorie restriction: IX. Global metabolomic screen reveals modulation of carnitines, sphingolipids and bile acids in the liver of C57BL/6 mice. Aging Cell, 2017, 16, 529-540.	6.7	48

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127	Mechanisms of Action of Surgical Interventions on Weight-Related Diseases: the Potential Role of Bile Acids. Obesity Surgery, 2017, 27, 826-836.	2.1	31
128	DJ-1 maintains energy and glucose homeostasis by regulating the function of brown adipose tissue. Cell Discovery, 2017, 3, 16054.	6.7	44
129	Daily energy expenditure in the face of predation: hedgehog energetics in rural landscapes. Journal of Experimental Biology, 2017, 220, 460-468.	1.7	22
130	Cold adaptation in pigs depends on UCP3 in beige adipocytes. Journal of Molecular Cell Biology, 2017, 9, 364-375.	3.3	68
131	Higher densities of fast-food and full-service restaurants are not associated with obesity prevalence. American Journal of Clinical Nutrition, 2017, 106, 603-613.	4.7	40
132	Whey protein effects on energy balance link the intestinal mechanisms of energy absorption with adiposity and hypothalamic neuropeptide gene expression. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E1-E11.	3.5	23
133	Seasonal changes in energy expenditure, body temperature and activity patterns in llamas (Lama glama). Scientific Reports, 2017, 7, 7600.	3.3	25
134	Reconstitution of UCP1 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
135	Ambient particulate air pollution (PM2.5) is associated with the ratio of type 2 diabetes to obesity. Scientific Reports, 2017, 7, 9144.	3.3	45
136	Activityâ€specific metabolic rates for diving, transiting, and resting at sea can be estimated from timeâ€"activity budgets in freeâ€ranging marine mammals. Ecology and Evolution, 2017, 7, 2969-2976.	1.9	24
137	Brown adipocytes can display a mammary basal myoepithelial cell phenotype inÂvivo. Molecular Metabolism, 2017, 6, 1198-1211.	6.5	27
138	The validity of a web-based FFQ assessed by doubly labelled water and multiple 24-h recalls. British Journal of Nutrition, 2017, 118, 1106-1117.	2.3	23
139	No seasonal variation in physical activity of Han Chinese living in Beijing. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 48.	4.6	23
140	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
141	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
142	Metabolic Syndrome Patients Have Lower Levels of Adropin When Compared With Healthy Overweight/Obese and Lean Subjects. American Journal of Men's Health, 2017, 11, 426-434.	1.6	42
143	Body macronutrient composition is predicted by lipid and not protein content of the diet. Ecology and Evolution, 2017, 7, 10056-10065.	1.9	8
144	The effects of graded levels of calorie restriction: XI. Evaluation of the main hypotheses underpinning the life extension effects of CR using the hepatic transcriptome. Aging, 2017, 9, 1770-1824.	3.1	30

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145	Response to Farrokhi et al.â€™s statistical comments on â€˜no seasonal variation in physical activity of Han Chinese living in Beijingâ€™. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 152.	4.6	0
146	The effects of graded levels of calorie restriction: VIII. Impact of short term calorie and protein restriction on basal metabolic rate in the C57BL/6 mouse. Oncotarget, 2017, 8, 17453-17474.	1.8	34
147	The effects of graded levels of calorie restriction: V. Impact of short term calorie and protein restriction on physical activity in the C57BL/6 mouse. Oncotarget, 2016, 7, 19147-19170.	1.8	37
148	Limits to sustained energy intake XXIV: impact of suckling behaviour on the body temperatures of lactating female mice. Scientific Reports, 2016, 6, 25665.	3.3	17
149	Photoperiod induced obesity in the Brandt's vole (Lasiopodomys brandtii): a model of â€˜healthy obesityâ€™?. DMM Disease Models and Mechanisms, 2016, 9, 1357-1366.	2.4	6
150	Using doubly-labelled water to measure free-living energy expenditure: Some old things to remember and some new things to consider. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 202, 3-9.	1.8	40
151	Metabolic changes over the course of aging in a mouse model ofÂtauÂdeposition. Neurobiology of Aging, 2016, 44, 62-73.	3.1	33
152	Counting calories in cormorants: dynamic body acceleration predicts daily energy expenditure measured in pelagic cormorants. Journal of Experimental Biology, 2016, 219, 2192-200.	1.7	33
153	Differential responses of the gut transcriptome to plant protein diets in farmed Atlantic salmon. BMC Genomics, 2016, 17, 156.	2.8	98
154	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
155	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
156	Renal cell carcinoma survival and body mass index: a doseâ€“response meta-analysis reveals another potential paradox within a paradox. International Journal of Obesity, 2016, 40, 1817-1822.	3.4	37
157	Wild dogs and kleptoparasitism: some misunderstandings. African Journal of Ecology, 2016, 54, 125-127.	0.9	10
158	Partitioning the variance in calorie restrictionâ€induced weight and fat loss in outbred mice. Obesity, 2016, 24, 2111-2117.	3.0	0
159	The Assessment of Total Energy Expenditure During a 14-Day In-Season Period of Professional Rugby League Players Using the Doubly Labelled Water Method. International Journal of Sport Nutrition and Exercise Metabolism, 2016, 26, 464-472.	2.1	40
160	Analysis of Positive Selection at Single Nucleotide Polymorphisms Associated with Body Mass Index Does Not Support the â€œThrifty Geneâ€•Hypothesis. Cell Metabolism, 2016, 24, 531-541.	16.2	46
161	Oxidative costs of reproduction in mouse strains selected for different levels of food intake and which differ in reproductive performance. Scientific Reports, 2016, 6, 36353.	3.3	16
162	Flipper strokes can predict energy expenditure and locomotion costs in free-ranging northern and Antarctic fur seals. Scientific Reports, 2016, 6, 33912.	3.3	29

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163	Limits to sustained energy intake XXV: milk energy output and thermogenesis in Swiss mice lactating at thermoneutrality. Scientific Reports, 2016, 6, 31626.	3.3	15
164	Type 2 diabetes, but not obesity, prevalence is positively associated with ambient temperature. Scientific Reports, 2016, 6, 30409.	3.3	42
165	Thyroid hormones correlate with field metabolic rate in ponies,Equus ferus caballus. Journal of Experimental Biology, 2016, 219, 2559-66.	1.7	19
166	Evolution of Obesity. , 2016, , 103-122.		1
167	<scp>CB</scp>1 receptor blockade counters ageâ€induced insulin resistance and metabolic dysfunction. Aging Cell, 2016, 15, 325-335.	6.7	28
168	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
169	Limits to sustained energy intake. XXIII. Does heat dissipation capacity limit the energy budget of lactating bank voles?. Journal of Experimental Biology, 2016, 219, 805-15.	1.7	27
170	Oxidative costs of reproduction: Oxidative stress in mice fed standard and low antioxidant diets. Physiology and Behavior, 2016, 154, 1-7.	2.1	12
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