

Speakman John

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3572053/speakman-john-publications-by-year.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

600

papers

27,553

citations

83

h-index

134

g-index

637

ext. papers

31,419

ext. citations

5.6

avg, IF

7.58

L-index

#	Paper	IF	Citations
600	The energy balance model of obesity: beyond calories in, calories out.. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	13
599	Protective effects of 5-heptadecylresorcinol against adipocyte mitochondrial dysfunction through upregulation of Sirt3-mediated autophagy.. <i>Journal of Nutritional Biochemistry</i> , 2022 , 108956	6.3	1
598	Total energy expenditure is repeatable in adults but not associated with short-term changes in body composition.. <i>Nature Communications</i> , 2022 , 13, 99	17.4	0
597	A Mesocosm Experiment in Ecological Physiology: The Modulation of Energy Budget in a Hibernating Marsupial under Chronic Caloric Restriction. <i>Physiological and Biochemical Zoology</i> , 2022 , 95, 66-81	2	5
596	A single nucleotide mutation in the dual-oxidase 2 () gene causes some of the panda's unique metabolic phenotypes.. <i>National Science Review</i> , 2022 , 9, nwab125	10.8	0
595	Setting Ambient Temperature Conditions to Optimize Translation of Molecular Work from the Mouse to Human: The "Goldilocks Solution".. <i>Methods in Molecular Biology</i> , 2022 , 2448, 235-250	1.4	0
594	Increased Variation in Body Weight and Food Intake Is Related to Increased Dietary Fat but Not Increased Carbohydrate or Protein in Mice.. <i>Frontiers in Nutrition</i> , 2022 , 9, 835536	6.2	0
593	Effects of dietary macronutrients on the hepatic transcriptome and serum metabolome in mice.. <i>Aging Cell</i> , 2022 , e13585	9.9	1
592	Calorie restriction and calorie dilution have different impacts on body fat, metabolism, behavior, and hypothalamic gene expression.. <i>Cell Reports</i> , 2022 , 39, 110835	10.6	0
591	Angiopietin-Like Protein 8/Leptin Crosstalk Influences Cardiac Mass in Youths With Cardiometabolic Risk: The BCAMS Study.. <i>Frontiers in Endocrinology</i> , 2021 , 12, 788549	5.7	0
590	The roles of different macronutrients in regulation of appetite, energy intake and adiposity. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021 , 100297	1.7	1
589	Influence of environmental factors and parity on milk yield dynamics in barn-housed dairy cattle. <i>Journal of Dairy Science</i> , 2021 ,	4	3
588	Impact of graded maternal dietary fat content on offspring susceptibility to high-fat diet in mice. <i>Obesity</i> , 2021 , 29, 2055-2067	8	1
587	Genetic variations in adiponectin levels and dietary patterns on metabolic health among children with normal weight versus obesity: the BCAMS study. <i>International Journal of Obesity</i> , 2021 ,	5.5	1
586	The Assessment of Daily Energy Expenditure of Commercial Saturation Divers Using Doubly Labelled Water. <i>Frontiers in Physiology</i> , 2021 , 12, 687605	4.6	1
585	Impact of obesity on COVID-19-related mortality: A comment on estimates in Popkin et al 2020. <i>Obesity Reviews</i> , 2021 , 22, e13250	10.6	
584	Depletion of the gut microbiota differentially affects the impact of whey protein on high-fat diet-induced obesity and intestinal permeability. <i>Physiological Reports</i> , 2021 , 9, e14867	2.6	3

583	Carbohydrates, insulin, and obesity. <i>Science</i> , 2021 , 372, 577-578	33.3	13
582	Fat storage influences fasting endurance more than body size in an ungulate. <i>Functional Ecology</i> , 2021 , 35, 1470-1480	5.6	0
581	Very-low-protein diets lead to reduced food intake and weight loss, linked to inhibition of hypothalamic mTOR signaling, in mice. <i>Cell Metabolism</i> , 2021 , 33, 888-904.e6	24.6	13
580	Protein quality and quantity influence the effect of dietary fat on weight gain and tissue partitioning via host-microbiota changes. <i>Cell Reports</i> , 2021 , 35, 109093	10.6	1
579	Determinants of heart rate in Svalbard reindeer reveal mechanisms of seasonal energy management. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021 , 376, 20200215	5.8	5
578	Surviving winter on the Qinghai-Tibetan Plateau: Pikas suppress energy demands and exploit yak feces to survive winter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
577	Effects of dietary macronutrients and body composition on glucose homeostasis in mice. <i>National Science Review</i> , 2021 , 8, nwa177	10.8	5
576	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. <i>Advances in Nutrition</i> , 2021 , 12, 179-196	10	4
575	Comparison of total and activity energy expenditure estimates from physical activity questionnaires and doubly labelled water: a systematic review and meta-analysis. <i>British Journal of Nutrition</i> , 2021 , 125, 983-997	3.6	1
574	The Effects of Graded Levels of Calorie Restriction: XVI. Metabolomic Changes in the Cerebellum Indicate Activation of Hypothalamocerebellar Connections Driven by Hunger Responses. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 601-610	6.4	4
573	Energy Requirements of Male Academy Soccer Players from the English Premier League. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 200-210	1.2	9
572	The impact of the novel coronavirus movement restrictions in the United Kingdom on food outlet usage and body mass index. <i>Obesity Science and Practice</i> , 2021 , 7, 302-306	2.6	3
571	A standard calculation methodology for human doubly labeled water studies. <i>Cell Reports Medicine</i> , 2021 , 2, 100203	18	21
570	Energy compensation and adiposity in humans. <i>Current Biology</i> , 2021 , 31, 4659-4666.e2	6.3	7
569	Daily energy expenditure through the human life course. <i>Science</i> , 2021 , 373, 808-812	33.3	43
568	Brown adipose tissue is the key depot for glucose clearance in microbiota depleted mice. <i>Nature Communications</i> , 2021 , 12, 4725	17.4	6
567	Physical activity and fat-free mass during growth and in later life. <i>American Journal of Clinical Nutrition</i> , 2021 , 114, 1583-1589	7	3
566	Daily energy expenditure and water turnover in two breeds of laying hens kept in floor housing. <i>Animal</i> , 2021 , 15, 100047	3.1	1

565	High dietary protein and fat contents exacerbate hepatic senescence and SASP in mice.. <i>FEBS Journal</i> , 2021 ,	5.7	3
564	Energy Expenditure of Female International Standard Soccer Players.. <i>Medicine and Science in Sports and Exercise</i> , 2021 ,	1.2	3
563	Acceleration predicts energy expenditure in a fat, flightless, diving bird. <i>Scientific Reports</i> , 2020 , 10, 214939	3.9	2
562	Active travelling to school is not associated with increased total daily physical activity levels, or reduced obesity and cardiovascular/pulmonary health parameters in 10-12-year olds: a cross-sectional cohort study. <i>International Journal of Obesity</i> , 2020 , 44, 1452-1466	5.5	3
561	Testing the carbohydrate insulin model in mice: Erroneous critique does not alter previous conclusion. <i>Molecular Metabolism</i> , 2020 , 35, 100961	8.8	1
560	The Effects of Graded Levels of Calorie Restriction XV: Phase Space Attractors Reveal Distinct Behavioral Phenotypes. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 858-866	6.4	1
559	Limits to sustained energy intake. XXXI. Effect of graded levels of dietary fat on lactation performance in Swiss mice. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	2
558	Limits to sustained energy intake. XXX. Constraint or restraint? Manipulations of food supply show peak food intake in lactation is constrained. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	2
557	The energy savings-oxidative cost trade-off for migratory birds during endurance flight. <i>ELife</i> , 2020 , 9,	8.9	5
556	The carbohydrate-insulin model does not explain the impact of varying dietary macronutrients on the body weight and adiposity of mice. <i>Molecular Metabolism</i> , 2020 , 32, 27-43	8.8	16
555	Energetics suggest cause for even further conservation concern for Temminck's ground pangolin. <i>Animal Conservation</i> , 2020 , 23, 245-249	3.2	1
554	An Evolutionary Perspective on Sedentary Behavior. <i>BioEssays</i> , 2020 , 42, e1900156	4.1	5
553	Predicted impact of increasing average ambient temperature over the coming century on mortality from cardiovascular disease and stroke in the USA. <i>Atherosclerosis</i> , 2020 , 313, 1-7	3.1	3
552	Effects of predation risk on the body mass regulation of growing wood mice. <i>Journal of Zoology</i> , 2020 , 312, 122-132	2	2
551	Age- and duration-dependent effects of whey protein on high-fat diet-induced changes in body weight, lipid metabolism, and gut microbiota in mice. <i>Physiological Reports</i> , 2020 , 8, e14523	2.6	5
550	Frequency of Restaurant, Delivery and Takeaway Usage Is Not Related to BMI among Adults in Scotland. <i>Nutrients</i> , 2020 , 12,	6.7	2
549	Late lactation in small mammals is a critically sensitive window of vulnerability to elevated ambient temperature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24352-24358	11.5	7
548	Why does caloric restriction increase life and healthspan? The 'clean cupboards' hypothesis. <i>National Science Review</i> , 2020 , 7, 1153-1156	10.8	8

547	The relationship between female adiposity and physical attractiveness amongst adults in rural Ranaka village, Botswana. <i>South African Journal of Clinical Nutrition</i> , 2020 , 33, 17-22	1.1	2
546	No impact of hunger on male perception of female physical attractiveness in relation to adiposity: a randomized controlled trial. <i>International Journal of Obesity</i> , 2020 , 44, 418-427	5.5	1
545	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. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020 , 75, 218-229	6.4	9
544	Effect of calorie restriction or protein intake on circulating levels of insulin like growth factor I in humans: A systematic review and meta-analysis. <i>Clinical Nutrition</i> , 2020 , 39, 1705-1716	5.9	9
543	Maximizing precision and accuracy of the doubly labeled water method via optimal sampling protocol, calculation choices, and incorporation of O measurements. <i>European Journal of Clinical Nutrition</i> , 2020 , 74, 454-464	5.2	4
542	Impact of parental smoking on adipokine profiles and cardiometabolic risk factors in Chinese children. <i>Atherosclerosis</i> , 2020 , 301, 23-29	3.1	3
541	Exposure to hot temperatures during lactation in Swiss mice stunts offspring growth and decreases future reproductive performance of female offspring. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	3
540	Do low-carbohydrate diets increase energy expenditure?. <i>International Journal of Obesity</i> , 2019 , 43, 2350-2354	5.5	21
539	Extreme events reveal an alimentary limit on sustained maximal human energy expenditure. <i>Science Advances</i> , 2019 , 5, eaaw0341	14.3	48
538	To best mimic human thermal conditions, mice should be housed slightly below thermoneutrality. <i>Molecular Metabolism</i> , 2019 , 26, 4	8.8	4
537	Impact of dietary sucrose on adiposity and glucose homeostasis in C57BL/6J mice depends on mode of ingestion: liquid or solid. <i>Molecular Metabolism</i> , 2019 , 27, 22-32	8.8	29
536	Low Citrate Synthase Activity Is Associated with Glucose Intolerance and Lipotoxicity. <i>Journal of Nutrition and Metabolism</i> , 2019 , 2019, 8594825	2.7	7
535	What is the best housing temperature to translate mouse experiments to humans?. <i>Molecular Metabolism</i> , 2019 , 25, 168-176	8.8	38
534	Microbiota Depletion Impairs Thermogenesis of Brown Adipose Tissue and Browning of White Adipose Tissue. <i>Cell Reports</i> , 2019 , 26, 2720-2737.e5	10.6	100
533	Dietary Bactalbumin alters energy balance, gut microbiota composition and intestinal nutrient transporter expression in high-fat diet-fed mice. <i>British Journal of Nutrition</i> , 2019 , 121, 1097-1107	3.6	8
532	Genetic Factors Associated With Human Physical Activity: Are Your Genes Too Tight To Prevent You Exercising?. <i>Endocrinology</i> , 2019 , 160, 840-852	4.8	11
531	Energy expenditure and body temperature variations in llamas living in the High Andes of Peru. <i>Scientific Reports</i> , 2019 , 9, 4037	4.9	13
530	Energetics and thermal adaptation in semifossorial pine-voles <i>Microtus lusitanicus</i> and <i>Microtus duodecimcostatus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2019 , 189, 309-318	2.2	2

529	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. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 16-26	6.4	6
528	Effects of Ramadan on food intake, glucose homeostasis, lipid profiles and body composition composition. <i>European Journal of Clinical Nutrition</i> , 2019 , 73, 594-600	5.2	21
527	GPR55 deficiency is associated with increased adiposity and impaired insulin signaling in peripheral metabolic tissues. <i>FASEB Journal</i> , 2019 , 33, 1299-1312	0.9	29
526	Progress and challenges in analyzing rodent energy expenditure. <i>Nature Methods</i> , 2019 , 16, 797-799	21.6	19
525	No energetic cost of tuberculosis infection in European badgers (<i>Meles meles</i>). <i>Journal of Animal Ecology</i> , 2019 , 88, 1973-1985	4.7	2
524	Switching on the furnace: Regulation of heat production in brown adipose tissue. <i>Molecular Aspects of Medicine</i> , 2019 , 68, 60-73	16.7	21
523	Switching off the furnace: brown adipose tissue and lactation. <i>Molecular Aspects of Medicine</i> , 2019 , 68, 18-41	16.7	7
522	Adiponectin: An Indicator for Metabolic Syndrome. <i>Iranian Journal of Public Health</i> , 2019 , 48, 1106-1115	0.7	4
521	Nutrition and its role in human evolution. <i>Journal of Internal Medicine</i> , 2019 , 285, 533-549	10.8	23
520	Sympatric Atlantic puffins and razorbills show contrasting responses to adverse marine conditions during winter foraging within the North Sea. <i>Movement Ecology</i> , 2019 , 7, 33	4.6	8
519	Beauty and the Body of the Beholder: Raters' BMI Has Only Limited Association with Ratings of Attractiveness of the Opposite Sex. <i>Obesity</i> , 2018 , 26, 522-530	8	2
518	Reply to VI Kraak. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 290-291	7	
517	The effects of graded caloric restriction: XII. Comparison of mouse to human impact on cellular senescence in the colon. <i>Aging Cell</i> , 2018 , 17, e12746	9.9	30
516	The effects of Ramadan fasting on activity and energy expenditure. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 54-61	7	33
515	Adiposity and Reproductive Cycling Status in Zoo African Elephants. <i>Obesity</i> , 2018 , 26, 103-110	8	9
514	Limits to sustained energy intake. XXVII. Trade-offs between first and second litters in lactating mice support the ecological context hypothesis. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	4
513	Different impacts of resources on opposite sex ratings of physical attractiveness by males and females. <i>Evolution and Human Behavior</i> , 2018 , 39, 220-225	4	14
512	The evolution of body fatness: trading off disease and predation risk. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	44

511	The Effects of Graded Levels of Calorie Restriction: X. Transcriptomic Responses of Epididymal Adipose Tissue. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 279-288	6.4	11
510	Why lipostatic set point systems are unlikely to evolve. <i>Molecular Metabolism</i> , 2018 , 7, 147-154	8.8	5
509	Validation of the doubly labeled water method using off-axis integrated cavity output spectroscopy and isotope ratio mass spectrometry. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E124-E130	6	7
508	Biomarker of burden: Feather corticosterone reflects energetic expenditure and allostatic overload in captive waterfowl. <i>Functional Ecology</i> , 2018 , 32, 345-357	5.6	19
507	GWAS for BMI: a treasure trove of fundamental insights into the genetic basis of obesity. <i>International Journal of Obesity</i> , 2018 , 42, 1524-1531	5.5	52
506	Dietary Fat, but Not Protein or Carbohydrate, Regulates Energy Intake and Causes Adiposity in Mice. <i>Cell Metabolism</i> , 2018 , 28, 415-431.e4	24.6	115
505	Pre- and post-diagnosis body mass index and heart failure mortality: a dose-response meta-analysis of observational studies reveals greater risk of being underweight than being overweight. <i>Obesity Reviews</i> , 2018 , 20, 252-261	10.6	9
504	Effect of Probiotic Supplementation on CD4 Cell Count in HIV-Infected Patients: A Systematic Review and Meta-analysis. <i>Journal of Dietary Supplements</i> , 2018 , 15, 776-788	2.3	8
503	Energy expenditure in professional flat jockeys using doubly labelled water during the racing season: Implications for body weight management. <i>European Journal of Sport Science</i> , 2018 , 18, 235-242	3.9	6
502	On the origin of obesity: identifying the biological, environmental and cultural drivers of genetic risk among human populations. <i>Obesity Reviews</i> , 2018 , 19, 121-149	10.6	98
501	Obesity and thermoregulation. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018 , 156, 431-443	3	19
500	Measured energy content of frequently purchased restaurant meals: multi-country cross sectional study. <i>BMJ, The</i> , 2018 , 363, k4864	5.9	20
499	Regulation of intestinal growth in response to variations in energy supply and demand. <i>Obesity Reviews</i> , 2018 , 19 Suppl 1, 61-72	10.6	11
498	Limits to sustained energy intake. XXIX. The case of the golden hamster (). <i>Journal of Experimental Biology</i> , 2018 , 221,	3	4
497	Association of Fast-Food and Full-Service Restaurant Densities With Mortality From Cardiovascular Disease and Stroke, and the Prevalence of Diabetes Mellitus. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	10
496	Impact of Obesity and Ozone on the Association Between Particulate Air Pollution and Cardiovascular Disease and Stroke Mortality Among US Adults. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	19
495	Limits to sustained energy intake. XXVIII. Beneficial effects of high dietary fat on lactation performance in mice. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	5
494	Response to 'Fat is not just an energy store'. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	1

493	Energy Intake and Expenditure of Professional Soccer Players of the English Premier League: Evidence of Carbohydrate Periodization. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2017 , 27, 228-238	4.4	49
492	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. <i>Aging Cell</i> , 2017 , 16, 529-540	9.9	32
491	Mechanisms of Action of Surgical Interventions on Weight-Related Diseases: the Potential Role of Bile Acids. <i>Obesity Surgery</i> , 2017 , 27, 826-836	3.7	25
490	DJ-1 maintains energy and glucose homeostasis by regulating the function of brown adipose tissue. <i>Cell Discovery</i> , 2017 , 3, 16054	22.3	33
489	Daily energy expenditure in the face of predation: hedgehog energetics in rural landscapes. <i>Journal of Experimental Biology</i> , 2017 , 220, 460-468	3	15
488	Cold adaptation in pigs depends on UCP3 in beige adipocytes. <i>Journal of Molecular Cell Biology</i> , 2017 , 9, 364-375	6.3	54
487	Higher densities of fast-food and full-service restaurants are not associated with obesity prevalence. <i>American Journal of Clinical Nutrition</i> , 2017 , 106, 603-613	7	23
486	Whey protein effects on energy balance link the intestinal mechanisms of energy absorption with adiposity and hypothalamic neuropeptide gene expression. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017 , 313, E1-E11	6	17
485	Seasonal changes in energy expenditure, body temperature and activity patterns in llamas (<i>Lama glama</i>). <i>Scientific Reports</i> , 2017 , 7, 7600	4.9	18
484	Reconstitution of using CRISPR/Cas9 in the white adipose tissue of pigs decreases fat deposition and improves thermogenic capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9474-E9482	11.5	101
483	Response to Farrokhi et al.'s statistical comments on 'no seasonal variation in physical activity of Han Chinese living in Beijing'. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017 , 14, 152	8.4	
482	Ambient particulate air pollution (PM2.5) is associated with the ratio of type 2 diabetes to obesity. <i>Scientific Reports</i> , 2017 , 7, 9144	4.9	37
481	Activity-specific metabolic rates for diving, transiting, and resting at sea can be estimated from time-activity budgets in free-ranging marine mammals. <i>Ecology and Evolution</i> , 2017 , 7, 2969-2976	2.8	18
480	Brown adipocytes can display a mammary basal myoepithelial cell phenotype in vivo. <i>Molecular Metabolism</i> , 2017 , 6, 1198-1211	8.8	16
479	The validity of a web-based FFQ assessed by doubly labelled water and multiple 24-h recalls. <i>British Journal of Nutrition</i> , 2017 , 118, 1106-1117	3.6	8
478	No seasonal variation in physical activity of Han Chinese living in Beijing. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017 , 14, 48	8.4	16
477	Sex differences in the effect of fish-oil supplementation on the adaptive response to resistance exercise training in older people: a randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 151-158	7	103
476	Accelerometers can measure total and activity-specific energy expenditures in free-ranging marine mammals only if linked to time-activity budgets. <i>Functional Ecology</i> , 2017 , 31, 377-386	5.6	85

475	Metabolic Syndrome Patients Have Lower Levels of Adropin When Compared With Healthy Overweight/Obese and Lean Subjects. <i>American Journal of Men's Health</i> , 2017 , 11, 426-434	2.2	23
474	Body macronutrient composition is predicted by lipid and not protein content of the diet. <i>Ecology and Evolution</i> , 2017 , 7, 10056-10065	2.8	7
473	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. <i>Aging</i> , 2017 , 9, 1770-1824	5.6	23
472	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. <i>Oncotarget</i> , 2017 , 8, 17453-17474	3.3	20
471	Measures of Healthspan as Indices of Aging in Mice-A Recommendation. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016 , 71, 427-30	6.4	61
470	Partitioning the variance in calorie restriction-induced weight and fat loss in outbred mice. <i>Obesity</i> , 2016 , 24, 2111-7	8	
469	The Assessment of Total Energy Expenditure During a 14-Day In-Season Period of Professional Rugby League Players Using the Doubly Labelled Water Method. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2016 , 26, 464-472	4.4	31
468	Analysis of Positive Selection at Single Nucleotide Polymorphisms Associated with Body Mass Index Does Not Support the "Thrifty Gene" Hypothesis. <i>Cell Metabolism</i> , 2016 , 24, 531-541	24.6	35
467	Oxidative costs of reproduction in mouse strains selected for different levels of food intake and which differ in reproductive performance. <i>Scientific Reports</i> , 2016 , 6, 36353	4.9	10
466	Flipper strokes can predict energy expenditure and locomotion costs in free-ranging northern and Antarctic fur seals. <i>Scientific Reports</i> , 2016 , 6, 33912	4.9	18
465	Limits to sustained energy intake XXV: milk energy output and thermogenesis in Swiss mice lactating at thermoneutrality. <i>Scientific Reports</i> , 2016 , 6, 31626	4.9	10
464	Type 2 diabetes, but not obesity, prevalence is positively associated with ambient temperature. <i>Scientific Reports</i> , 2016 , 6, 30409	4.9	28
463	Thyroid hormones correlate with field metabolic rate in ponies, <i>Equus ferus caballus</i> . <i>Journal of Experimental Biology</i> , 2016 , 219, 2559-66	3	15
462	Evolution of Obesity 2016 , 103-122		1
461	CB1 receptor blockade counters age-induced insulin resistance and metabolic dysfunction. <i>Aging Cell</i> , 2016 , 15, 325-35	9.9	19
460	Calories or protein? The effect of dietary restriction on lifespan in rodents is explained by calories alone. <i>Experimental Gerontology</i> , 2016 , 86, 28-38	4.5	71
459	Limits to sustained energy intake. XXIII. Does heat dissipation capacity limit the energy budget of lactating bank voles?. <i>Journal of Experimental Biology</i> , 2016 , 219, 805-15	3	21
458	Oxidative costs of reproduction: Oxidative stress in mice fed standard and low antioxidant diets. <i>Physiology and Behavior</i> , 2016 , 154, 1-7	3.5	10

457	The effects of graded levels of calorie restriction: VI. Impact of short-term graded calorie restriction on transcriptomic responses of the hypothalamic hunger and circadian signaling pathways. <i>Aging</i> , 2016 , 8, 642-63	5.6	20
456	The effects of graded levels of calorie restriction: VII. Topological rearrangement of hypothalamic aging networks. <i>Aging</i> , 2016 , 8, 917-32	5.6	15
455	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. <i>Oncotarget</i> , 2016 , 7, 19147-70	3.3	30
454	Limits to sustained energy intake XXIV: impact of suckling behaviour on the body temperatures of lactating female mice. <i>Scientific Reports</i> , 2016 , 6, 25665	4.9	13
453	Photoperiod induced obesity in the Brandt's vole (<i>Lasiopodomys brandtii</i>): a model of 'healthy obesity'?. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 1357-1366	4.1	3
452	Using doubly-labelled water to measure free-living energy expenditure: Some old things to remember and some new things to consider. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2016 , 202, 3-9	2.6	26
451	Metabolic changes over the course of aging in a mouse model of 'tau' deposition. <i>Neurobiology of Aging</i> , 2016 , 44, 62-73	5.6	23
450	Counting calories in cormorants: dynamic body acceleration predicts daily energy expenditure measured in pelagic cormorants. <i>Journal of Experimental Biology</i> , 2016 , 219, 2192-200	3	22
449	Differential responses of the gut transcriptome to plant protein diets in farmed Atlantic salmon. <i>BMC Genomics</i> , 2016 , 17, 156	4.5	54
448	Sex difference in physical activity, energy expenditure and obesity driven by a subpopulation of hypothalamic POMC neurons. <i>Molecular Metabolism</i> , 2016 , 5, 245-252	8.8	51
447	Probiotics Reduce the Risk of Antibiotic-Associated Diarrhea in Adults (18-64 Years) but Not the Elderly (>65 Years): A Meta-Analysis. <i>Nutrition in Clinical Practice</i> , 2016 , 31, 502-13	3.6	45
446	Renal cell carcinoma survival and body mass index: a dose-response meta-analysis reveals another potential paradox within a paradox. <i>International Journal of Obesity</i> , 2016 , 40, 1817-1822	5.5	23
445	Wild dogs and kleptoparasitism: some misunderstandings. <i>African Journal of Ecology</i> , 2016 , 54, 125-127	0.8	6
444	Whey protein isolate decreases murine stomach weight and intestinal length and alters the expression of Wnt signalling-associated genes. <i>British Journal of Nutrition</i> , 2015 , 113, 372-9	3.6	11
443	Factors influencing individual variability in high fat diet-induced weight gain in out-bred MF1 mice. <i>Physiology and Behavior</i> , 2015 , 144, 146-55	3.5	7
442	ANIMAL PHYSIOLOGY. Exceptionally low daily energy expenditure in the bamboo-eating giant panda. <i>Science</i> , 2015 , 349, 171-4	33.3	129
441	Mice that are resistant to diet-induced weight loss have greater food anticipatory activity and altered melanocortin-3 receptor (MC3R) and dopamine receptor 2 (D2) gene expression. <i>Hormones and Behavior</i> , 2015 , 73, 83-93	3.7	7
440	Behavioural and physiological responses of wood mice (<i>Apodemus sylvaticus</i>) to experimental manipulations of predation and starvation risk. <i>Physiology and Behavior</i> , 2015 , 149, 331-9	3.5	18

439	Response to 'Energy balance measurement: when something is not better than nothing'. <i>International Journal of Obesity</i> , 2015 , 39, 1175-6	5.5	13
438	Facultative and non-facultative sex ratio adjustments in a dimorphic bird species. <i>Oikos</i> , 2015 , 124, 1215-1224	4.8	6
437	The 'Fat Mass and Obesity Related' (FTO) gene: Mechanisms of Impact on Obesity and Energy Balance. <i>Current Obesity Reports</i> , 2015 , 4, 73-91	8.4	97
436	Vitamin D and diabetic nephropathy: A systematic review and meta-analysis. <i>Nutrition</i> , 2015 , 31, 1189-94	4.8	31
435	Brown Adipose Tissue Transplantation Reverses Obesity in Ob/Ob Mice. <i>Endocrinology</i> , 2015 , 156, 2461-7	4.8	141
434	Identifying the selective pressures underlying offspring sex-ratio adjustments: a case study in a wild seabird. <i>Behavioral Ecology</i> , 2015 , 26, 916-925	2.3	16
433	Evolution of Obesity 2015 , 1-23		
432	Inter- and intraindividual correlations of background abundances of (2)H, (18)O and (17)O in human urine and implications for DLW measurements. <i>European Journal of Clinical Nutrition</i> , 2015 , 69, 1091-8	5.2	21
431	Management of intestinal obstruction in advanced malignancy. <i>Annals of Medicine and Surgery</i> , 2015 , 4, 264-70	2	49
430	Social cognitions measured in 4 to 6 year olds are predictive of objectively measured physical activity. <i>Psychology and Health</i> , 2015 , 30, 1240-57	2.9	5
429	Energy balance measurement: when something is not better than nothing. <i>International Journal of Obesity</i> , 2015 , 39, 1109-13	5.5	338
428	Serum ghrelin levels and gender-related indices of body composition in prepubertal children: a cross-sectional study. <i>European Journal of Nutrition</i> , 2015 , 54, 283-90	5.2	5
427	Bovine serum albumin as the dominant form of dietary protein reduces subcutaneous fat mass, plasma leptin and plasma corticosterone in high fat-fed C57/BL6J mice. <i>British Journal of Nutrition</i> , 2015 , 114, 654-62	3.6	7
426	Oxidative stress and life histories: unresolved issues and current needs. <i>Ecology and Evolution</i> , 2015 , 5, 5745-57	2.8	141
425	The effects of graded levels of calorie restriction: IV. Non-linear change in behavioural phenotype of mice in response to short-term calorie restriction. <i>Scientific Reports</i> , 2015 , 5, 13198	4.9	15
424	Predation risk modulates diet-induced obesity in male C57BL/6 mice. <i>Obesity</i> , 2015 , 23, 2059-65	8	9
423	A dose-response meta-analysis of the impact of body mass index on stroke and all-cause mortality in stroke patients: a paradox within a paradox. <i>Obesity Reviews</i> , 2015 , 16, 416-23	10.6	15
422	Resting and daily energy expenditures during reproduction are adjusted in opposite directions in free-living birds. <i>Functional Ecology</i> , 2015 , 29, 250-258	5.6	34

421	Sexual Size Dimorphism and Body Condition in the Australasian Gannet. <i>PLoS ONE</i> , 2015 , 10, e0142653	3.7	14
420	The Effects of Hyperhydrating Supplements Containing Creatine and Glucose on Plasma Lipids and Insulin Sensitivity in Endurance-Trained Athletes. <i>Journal of Amino Acids</i> , 2015 , 2015, 352458		5
419	The relationship of female physical attractiveness to body fatness. <i>PeerJ</i> , 2015 , 3, e1155	3.1	19
418	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. <i>Oncotarget</i> , 2015 , 6, 15902-30	3.3	65
417	Fast and efficient: Postnatal growth and energy expenditure in an Arctic-breeding waterbird, the Red-throated Loon (<i>Gavia stellata</i>). <i>Auk</i> , 2015 , 132, 657-670	2.1	6
416	Daily energy expenditure during lactation is strongly selected in a free-living mammal. <i>Functional Ecology</i> , 2015 , 29, 195-208	5.6	8
415	Effect of vitamin E supplementation on serum C-reactive protein level: a meta-analysis of randomized controlled trials. <i>European Journal of Clinical Nutrition</i> , 2015 , 69, 867-73	5.2	61
414	Energy expenditure and personality in wild chipmunks. <i>Behavioral Ecology and Sociobiology</i> , 2015 , 69, 653-661	2.5	37
413	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. <i>Oncotarget</i> , 2015 , 6, 23213-37	3.3	56
412	The effects of graded levels of calorie restriction: III. Impact of short term calorie and protein restriction on mean daily body temperature and torpor use in the C57BL/6 mouse. <i>Oncotarget</i> , 2015 , 6, 18314-37	3.3	38
411	Mice that gorged during dietary restriction increased foraging related behaviors and differed in their macronutrient preference when released from restriction. <i>PeerJ</i> , 2015 , 3, e1091	3.1	10
410	Limits to sustained energy intake. XXII. Reproductive performance of two selected mouse lines with different thermal conductance. <i>Journal of Experimental Biology</i> , 2014 , 217, 3718-32	3	4
409	Age-related variation in energy expenditure in a long-lived bird within the envelope of an energy ceiling. <i>Journal of Animal Ecology</i> , 2014 , 83, 136-46	4.7	58
408	Saving energy during hard times: energetic adaptations of Shetland pony mares. <i>Journal of Experimental Biology</i> , 2014 , 217, 4320-7	3	22
407	If body fatness is under physiological regulation, then how come we have an obesity epidemic?. <i>Physiology</i> , 2014 , 29, 88-98	9.8	30
406	Mammalian energetics. Flexible energetics of cheetah hunting strategies provide resistance against kleptoparasitism. <i>Science</i> , 2014 , 346, 79-81	33.3	60
405	β-Tocopherol supplementation reduces biomarkers of oxidative stress in children with Down syndrome: a randomized controlled trial. <i>European Journal of Clinical Nutrition</i> , 2014 , 68, 1119-23	5.2	17
404	Lipidomics reveals mitochondrial membrane remodeling associated with acute thermoregulation in a rodent with a wide thermoneutral zone. <i>Lipids</i> , 2014 , 49, 715-30	1.6	22

403	Using doubly-labeled water to measure energy expenditure in an important small ectotherm <i>Drosophila melanogaster</i> . <i>Journal of Genetics and Genomics</i> , 2014 , 41, 505-12	4	5
402	Shaving increases daily energy expenditure in free-living root voles. <i>Journal of Experimental Biology</i> , 2014 , 217, 3964-7	3	6
401	Should we abandon indirect calorimetry as a tool to diagnose energy expenditure? Not yet. Perhaps not ever. Commentary on Burnett and Grobe (2014). <i>Molecular Metabolism</i> , 2014 , 3, 342-4	8.8	6
400	Functional body composition and related aspects in research on obesity and cachexia: report on the 12th Stock Conference held on 6 and 7 September 2013 in Hamburg, Germany. <i>Obesity Reviews</i> , 2014 , 15, 640-56	10.6	18
399	White-nose syndrome initiates a cascade of physiologic disturbances in the hibernating bat host. <i>BMC Physiology</i> , 2014 , 14, 10	0	121
398	Low resting metabolic rate is associated with greater lifespan because of a confounding effect of body fatness. <i>Age</i> , 2014 , 36, 9731		14
397	Mutation of SLC35D3 causes metabolic syndrome by impairing dopamine signaling in striatal D1 neurons. <i>PLoS Genetics</i> , 2014 , 10, e1004124	6	22
396	Effects of a specific MCHR1 antagonist (GW803430) on energy budget and glucose metabolism in diet-induced obese mice. <i>Obesity</i> , 2014 , 22, 681-90	8	6
395	Oxidative stress as a cost of reproduction: beyond the simplistic trade-off model. <i>BioEssays</i> , 2014 , 36, 93-106	4.1	149
394	Windscaapes shape seabird instantaneous energy costs but adult behavior buffers impact on offspring. <i>Movement Ecology</i> , 2014 , 2, 17	4.6	45
393	Not so nuanced: Reply to the comments of Gaskill and Garner on 'Not so hot: Optimal housing temperatures for mice to mimic the environment of humans'. <i>Molecular Metabolism</i> , 2014 , 3, 337	8.8	5
392	Oxidative stress in response to natural and experimentally elevated reproductive effort is tissue dependent. <i>Functional Ecology</i> , 2014 , 28, 402-410	5.6	46
391	Limits to sustained energy intake. XIX. A test of the heat dissipation limitation hypothesis in Mongolian gerbils (<i>Meriones unguiculatus</i>). <i>Journal of Experimental Biology</i> , 2013 , 216, 3358-68	3	30
390	Evolutionary perspectives on the obesity epidemic: adaptive, maladaptive, and neutral viewpoints. <i>Annual Review of Nutrition</i> , 2013 , 33, 289-317	9.9	99
389	Ectoparasitic insects and mites on Yunnan red-backed voles (<i>Eothenomys miletus</i>) from a localized area in southwest China. <i>Parasitology Research</i> , 2013 , 112, 3543-9	2.4	20
388	Reproductive timing and reliance on hoarded capital resources by lactating red squirrels. <i>Oecologia</i> , 2013 , 173, 1203-15	2.9	42
387	Deleterious consequences of antioxidant supplementation on lifespan in a wild-derived mammal. <i>Biology Letters</i> , 2013 , 9, 20130432	3.6	43
386	Functional analysis of seven genes linked to body mass index and adiposity by genome-wide association studies: a review. <i>Human Heredity</i> , 2013 , 75, 57-79	1.1	46

385	Abundances and host relationships of chigger mites in Yunnan Province, China. <i>Medical and Veterinary Entomology</i> , 2013 , 27, 194-202	2.4	25
384	Testing the predictions of energy allocation decisions in the evolution of life-history trade-offs. <i>Functional Ecology</i> , 2013 , 27, 1382-1391	5.6	38
383	Sex-specific hoarding behavior in North American red squirrels (<i>Tamiasciurus hudsonicus</i>). <i>Journal of Mammalogy</i> , 2013 , 94, 761-770	1.8	7
382	Accelerometry predicts daily energy expenditure in a bird with high activity levels. <i>Biology Letters</i> , 2013 , 9, 20120919	3.6	74
381	The energetic and survival costs of growth in free-ranging chipmunks. <i>Oecologia</i> , 2013 , 171, 11-23	2.9	35
380	Analysis of gamasid mites (Acari: Mesostigmata) associated with the Asian house rat, <i>Rattus tanezumi</i> (Rodentia: Muridae) in Yunnan Province, southwest China. <i>Parasitology Research</i> , 2013 , 112, 1967-72	2.4	18
379	Oxidative damage increases with reproductive energy expenditure and is reduced by food-supplementation. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 1527-36	3.8	64
378	A mathematical model of weight loss under total starvation: evidence against the thrifty-gene hypothesis. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 236-51	4.1	28
377	Brown adipose tissue transplantation improves whole-body energy metabolism. <i>Cell Research</i> , 2013 , 23, 851-4	24.7	146
376	Go with the flow: water velocity regulates herbivore foraging decisions in river catchments. <i>Oikos</i> , 2013 , 122, 1720-1729	4	24
375	Thyroid hormones correlate with resting metabolic rate, not daily energy expenditure, in two charadriiform seabirds. <i>Biology Open</i> , 2013 , 2, 580-6	2.2	34
374	The '39 steps': an algorithm for performing statistical analysis of data on energy intake and expenditure. <i>DMM Disease Models and Mechanisms</i> , 2013 , 6, 293-301	4.1	27
373	Limits to sustained energy intake. XXI. Effect of exposing the mother, but not her pups, to a cold environment during lactation in mice. <i>Journal of Experimental Biology</i> , 2013 , 216, 4326-33	3	18
372	Measuring energy metabolism in the mouse - theoretical, practical, and analytical considerations. <i>Frontiers in Physiology</i> , 2013 , 4, 34	4.6	137
371	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. <i>Journal of Experimental Biology</i> , 2013 , 216, 4242-50	3	57
370	Cheetahs, <i>Acinonyx jubatus</i> , balance turn capacity with pace when chasing prey. <i>Biology Letters</i> , 2013 , 9, 20130620	3.6	38
369	Limits to sustained energy intake. XVII. Lactation performance in MF1 mice is not programmed by fetal number during pregnancy. <i>Journal of Experimental Biology</i> , 2013 , 216, 2339-48	3	18
368	Limits to sustained energy intake. XVIII. Energy intake and reproductive output during lactation in Swiss mice raising small litters. <i>Journal of Experimental Biology</i> , 2013 , 216, 2349-58	3	23

367	Update on human calorie restriction research. <i>Advances in Nutrition</i> , 2013 , 4, 563-4	10	4
366	Free-living physical activity and energy expenditure of rural children and adolescents in the Nandi region of Kenya. <i>Annals of Human Biology</i> , 2013 , 40, 318-23	1.7	21
365	Limits to sustained energy intake. XV. Effects of wheel running on the energy budget during lactation. <i>Journal of Experimental Biology</i> , 2013 , 216, 2316-27	3	26
364	Limits to sustained energy intake. XX. Body temperatures and physical activity of female mice during lactation. <i>Journal of Experimental Biology</i> , 2013 , 216, 3751-61	3	22
363	High flight costs, but low dive costs, in auks support the biomechanical hypothesis for flightlessness in penguins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9380-4	11.5	119
362	Limits to sustained energy intake. XVI. Body temperature and physical activity of female mice during pregnancy. <i>Journal of Experimental Biology</i> , 2013 , 216, 2328-38	3	22
361	Sex- and age-related mortality profiles during famine: testing the 'body fat' hypothesis. <i>Journal of Biosocial Science</i> , 2013 , 45, 823-40	1.6	18
360	Limits to sustained energy intake. XIV. Heritability of reproductive performance in mice. <i>Journal of Experimental Biology</i> , 2013 , 216, 2308-15	3	9
359	Thyroid hormones correlate with basal metabolic rate but not field metabolic rate in a wild bird species. <i>PLoS ONE</i> , 2013 , 8, e56229	3.7	42
358	Energetic benefits of sociality offset the costs of parasitism in a cooperative mammal. <i>PLoS ONE</i> , 2013 , 8, e57969	3.7	14
357	Aerobic Capacity, Activity Levels and Daily Energy Expenditure in Male and Female Adolescents of the Kenyan Nandi Sub-Group. <i>PLoS ONE</i> , 2013 , 8, e66552	3.7	11
356	Cold-induced changes in gene expression in brown adipose tissue, white adipose tissue and liver. <i>PLoS ONE</i> , 2013 , 8, e68933	3.7	43
355	Context-dependent correlation between resting metabolic rate and daily energy expenditure in wild chipmunks. <i>Journal of Experimental Biology</i> , 2013 , 216, 418-26	3	29
354	The role of glucocorticoids in naturally fasting grey seal (<i>Halichoerus grypus</i>) pups: dexamethasone stimulates mass loss and protein utilisation, but not departure from the colony. <i>Journal of Experimental Biology</i> , 2013 , 216, 984-91	3	5
353	Familial resemblance of body composition, physical activity, and resting metabolic rate in pre-school children. <i>Reports of Biochemistry and Molecular Biology</i> , 2013 , 2, 1-15	1.3	1
352	Seasonal stage differences overwhelm environmental and individual factors as determinants of energy expenditure in free-ranging red squirrels. <i>Functional Ecology</i> , 2012 , 26, 677-687	5.6	29
351	Physiological and behavioral responses to intermittent starvation in C57BL/6J mice. <i>Physiology and Behavior</i> , 2012 , 105, 376-87	3.5	38
350	Obesity: lessons from evolution and the environment. <i>Obesity Reviews</i> , 2012 , 13, 910-22	10.6	47

349	High fat diet causes rebound weight gain. <i>Molecular Metabolism</i> , 2012 , 2, 103-8	8.8	15
348	Not so hot: Optimal housing temperatures for mice to mimic the thermal environment of humans. <i>Molecular Metabolism</i> , 2012 , 2, 5-9	8.8	124
347	Seasonal Variations in Energy Turnover and Body Temperature in Free-Living Edible Dormice, <i>Glis glis</i> 2012 , 493-505		
346	Factors predicting nongenetic variability in body weight gain induced by a high-fat diet in inbred C57BL/6J mice. <i>Obesity</i> , 2012 , 20, 1179-88	8	26
345	Factors predicting individual variability in diet-induced weight loss in MF1 mice. <i>Obesity</i> , 2012 , 20, 285-94		15
344	Effects of chronic oral rimonabant administration on energy budgets of diet-induced obese C57BL/6 mice. <i>Obesity</i> , 2012 , 20, 954-62	8	13
343	Direct analysis of $\delta^2\text{H}$ and $\delta^{18}\text{O}$ in natural and enriched human urine using laser-based, off-axis integrated cavity output spectroscopy. <i>Analytical Chemistry</i> , 2012 , 84, 9768-73	7.8	39
342	Thermoregulatory and cardiovascular responses to creatine, glycerol and alpha lipoic acid in trained cyclists. <i>Journal of the International Society of Sports Nutrition</i> , 2012 , 9, 29	4.5	8
341	Oxidative damage, ageing, and life-history evolution: where now?. <i>Trends in Ecology and Evolution</i> , 2012 , 27, 570-7	10.9	249
340	Effects of glycerol and creatine hyperhydration on doping-relevant blood parameters. <i>Nutrients</i> , 2012 , 4, 1171-86	6.7	9
339	Energy balance and its components: implications for body weight regulation. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 989-94	7	374
338	Stress-induced rise in body temperature is repeatable in free-ranging Eastern chipmunks (<i>Tamias striatus</i>). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2012 , 182, 403-14	2.2	21
337	Effects of handling regime and sex on changes in cortisol, thyroid hormones and body mass in fasting grey seal pups. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012 , 161, 69-76	2.6	20
336	Determining seabird body condition using nonlethal measures. <i>Physiological and Biochemical Zoology</i> , 2012 , 85, 85-95	2	31
335	Repletion of TNF α or leptin in calorically restricted mice suppresses post-restriction hyperphagia. <i>DMM Disease Models and Mechanisms</i> , 2012 , 5, 83-94	4.1	17
334	Reduction in BACE1 decreases body weight, protects against diet-induced obesity and enhances insulin sensitivity in mice. <i>Biochemical Journal</i> , 2012 , 441, 285-96	3.8	77
333	Little auks buffer the impact of current Arctic climate change. <i>Marine Ecology - Progress Series</i> , 2012 , 454, 197-206	2.6	50
332	A guide to analysis of mouse energy metabolism. <i>Nature Methods</i> , 2011 , 9, 57-63	21.6	516

331	Caloric restriction. <i>Molecular Aspects of Medicine</i> , 2011 , 32, 159-221	16.7	513
330	The effects of increasing water content to reduce the energy density of the diet on body mass changes following caloric restriction in domestic cats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2011 , 95, 399-408	2.6	18
329	Effect of energetic constraints on distribution and winter survival of weasel males. <i>Journal of Animal Ecology</i> , 2011 , 80, 259-69	4.7	29
328	The energetic and oxidative costs of reproduction in a free-ranging rodent. <i>Functional Ecology</i> , 2011 , 25, 1063-1071	5.6	81
327	Gross energy metabolism in mice under late onset, short term caloric restriction. <i>Mechanisms of Ageing and Development</i> , 2011 , 132, 202-9	5.6	15
326	Energetic consequences of seasonal breeding in female Japanese macaques (<i>Macaca fuscata</i>). <i>American Journal of Physical Anthropology</i> , 2011 , 146, 161-70	2.5	10
325	The free-radical damage theory: Accumulating evidence against a simple link of oxidative stress to ageing and lifespan. <i>BioEssays</i> , 2011 , 33, 255-9	4.1	186
324	A trade-off between current and future sex allocation revealed by maternal energy budget in a small mammal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 2962-9	4.4	22
323	Negative correlation between milk production and brown adipose tissue gene expression in lactating mice. <i>Journal of Experimental Biology</i> , 2011 , 214, 4160-70	3	32
322	Limits to sustained energy intake. XIII. Recent progress and future perspectives. <i>Journal of Experimental Biology</i> , 2011 , 214, 230-41	3	70
321	Reduction of dietary energy density reduces body mass regain following energy restriction in female mice. <i>Journal of Nutrition</i> , 2011 , 141, 182-8	4.1	13
320	Effects of the doubly labelled water procedure on Great Tits <i>Parus major</i> feeding young. <i>Bird Study</i> , 2011 , 58, 151-159	0.7	5
319	Effects of leptin infusion during peak lactation on food intake, body composition, litter growth, and maternal neuroendocrine status in female Brandt's voles (<i>Lasiopodomys brandtii</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 300, R447-59	3.2	16
318	Set points, settling points and some alternative models: theoretical options to understand how genes and environments combine to regulate body adiposity. <i>DMM Disease Models and Mechanisms</i> , 2011 , 4, 733-45	4.1	206
317	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. <i>Journal of Experimental Biology</i> , 2011 , 214, 38-49	3	55
316	Associations between over-winter survival and resting metabolic rate in juvenile North American red squirrels. <i>Functional Ecology</i> , 2010 , 24, 597-607	5.6	84
315	Energetic costs of male reproduction in a scramble competition mating system. <i>Journal of Animal Ecology</i> , 2010 , 79, 27-34	4.7	63
314	Evidence for an intrinsic energetic ceiling in free-ranging kittiwakes <i>Rissa tridactyla</i> . <i>Journal of Animal Ecology</i> , 2010 , 79, 205-13	4.7	36

313	Maximal heat dissipation capacity and hyperthermia risk: neglected key factors in the ecology of endotherms. <i>Journal of Animal Ecology</i> , 2010 , 79, 726-46	4.7	249
312	Tissue-specificity and ethnic diversity in obesity-related risk of cancer may be explained by variability in insulin response and insulin signaling pathways. <i>Obesity</i> , 2010 , 18, 1071-8	8	7
311	FTO effect on energy demand versus food intake. <i>Nature</i> , 2010 , 464, E1; discussion E2	50.4	43
310	Associations between energy demands, physical activity, and body composition in adult humans between 18 and 96 y of age. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 826-34	7	122
309	The extent and function of 'food grinding' in the laboratory mouse (<i>Mus musculus</i>). <i>Laboratory Animals</i> , 2010 , 44, 298-304	2.6	24
308	Limits to sustained energy intake XII: is the poor relation between resting metabolic rate and reproductive performance because resting metabolism is not a repeatable trait?. <i>Journal of Experimental Biology</i> , 2010 , 213, 278-87	3	30
307	Evaluating energy intake measurement in free-living subjects: when to record and for how long?. <i>Public Health Nutrition</i> , 2010 , 13, 172-80	3.3	10
306	The heat dissipation limit theory and evolution of life histories in endotherms--time to dispose of the disposable soma theory?. <i>Integrative and Comparative Biology</i> , 2010 , 50, 793-807	2.8	57
305	Reverse epidemiology, obesity and mortality in chronic kidney disease: modelling mortality expectations using energetics. <i>Blood Purification</i> , 2010 , 29, 150-7	3.1	13
304	Application of the two-sample doubly labelled water method alters behaviour and affects estimates of energy expenditure in black-legged kittiwakes. <i>Journal of Experimental Biology</i> , 2010 , 213, 2958-66	3	12
303	Effects of age and body mass on development of diving capabilities of gray seal pups: costs and benefits of the postweaning fast. <i>Physiological and Biochemical Zoology</i> , 2010 , 83, 911-23	2	32
302	Association between mammalian lifespan and circadian free-running period: the circadian resonance hypothesis revisited. <i>Biology Letters</i> , 2010 , 6, 696-8	3.6	57
301	Role of Ucp1 enhancer methylation and chromatin remodelling in the control of Ucp1 expression in murine adipose tissue. <i>Diabetologia</i> , 2010 , 53, 1164-73	10.3	58
300	Energy metabolism of Inuit sled dogs. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2010 , 180, 577-89	2.2	18
299	The impact of acute caloric restriction on the metabolic phenotype in male C57BL/6 and DBA/2 mice. <i>Mechanisms of Ageing and Development</i> , 2010 , 131, 111-8	5.6	48
298	Doubly labelled water: Multi-point and two-point methods in pre-school children. <i>Pediatric Obesity</i> , 2010 , 5, 102-10		6
297	Vitamin E supplementation and mammalian lifespan. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 719-25	5.9	32
296	Do Highly Modified Landscapes Favour Generalists at the Expense of Specialists? An Example using Woodland Birds. <i>Landscape Research</i> , 2009 , 34, 509-526	1.4	15

295	Combinatorial transcription factor regulation of the cyclic AMP-response element on the Pgc-1alpha promoter in white 3T3-L1 and brown HIB-1B preadipocytes. <i>Journal of Biological Chemistry</i> , 2009 , 284, 20738-52	5.4	41
294	Individually variable energy management during egg production is repeatable across breeding attempts. <i>Journal of Experimental Biology</i> , 2009 , 212, 1101-5	3	9
293	Trade-offs between activity and thermoregulation in a small carnivore, the least weasel <i>Mustela nivalis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 1921-7	4.4	36
292	Increased television viewing is associated with elevated body fatness but not with lower total energy expenditure in children. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 1031-6	7	116
291	Incubation temperature and energy expenditure during development in loggerhead sea turtle embryos. <i>Journal of Experimental Marine Biology and Ecology</i> , 2009 , 378, 62-68	2.1	29
290	Torpor and energetic consequences in free-ranging grey mouse lemurs (<i>Microcebus murinus</i>): a comparison of dry and wet forests. <i>Die Naturwissenschaften</i> , 2009 , 96, 609-20	2	33
289	Daily energy expenditure increases in response to low nutritional stress in an Arctic-breeding seabird with no effect on mortality. <i>Functional Ecology</i> , 2009 , 23, 1081-1090	5.6	52
288	The influence of body condition on sexual development of male Brown long-eared bats (<i>Plecotus auritus</i>) in the wild. <i>Journal of Zoology</i> , 2009 , 210, 515-525	2	60
287	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. <i>Journal of Zoology</i> , 2009 , 235, 269-278	2	57
286	Energy Expenditure, Water Flux, and Activity Budgets of Female Swamp Antechinuses in Contrasting Habitats. <i>Journal of Mammalogy</i> , 2009 , 90, 1238-1245	1.8	2
285	The cold shoulder: free-ranging snowshoe hares maintain a low cost of living in cold climates. <i>Canadian Journal of Zoology</i> , 2009 , 87, 956-964	1.5	16
284	Limits to sustained energy intake. XI. A test of the heat dissipation limitation hypothesis in lactating Brandt's voles (<i>Lasiopodomys brandtii</i>). <i>Journal of Experimental Biology</i> , 2009 , 212, 3455-65	3	54
283	Thrifty genes for obesity, an attractive but flawed idea, and an alternative perspective: the 'drifty gene' hypothesis. <i>International Journal of Obesity</i> , 2008 , 32, 1611-7	5.5	230
282	Physical activity energy expenditure has not declined since the 1980s and matches energy expenditures of wild mammals. <i>International Journal of Obesity</i> , 2008 , 32, 1256-63	5.5	189
281	Polymorphisms of the FTO gene are associated with variation in energy intake, but not energy expenditure. <i>Obesity</i> , 2008 , 16, 1961-5	8	246
280	The function of flight formations in Greylag Geese <i>Anser anser</i> ; energy saving or orientation?. <i>Ibis</i> , 2008 , 140, 280-287	1.9	20
279	Estimating field metabolic rates of pinnipeds: doubly labelled water gets the seal of approval. <i>Functional Ecology</i> , 2008 , 22, 245-254	5.6	42
278	Intra-specific variation in resting metabolic rate in MF1 mice is not associated with membrane lipid desaturation in the liver. <i>Mechanisms of Ageing and Development</i> , 2008 , 129, 129-37	5.6	20

277	Evidence for lifespan extension and delayed age-related biomarkers in insulin receptor substrate 1 null mice. <i>FASEB Journal</i> , 2008 , 22, 807-18	0.9	408
276	Female bushcrickets fuel their metabolism with male nuptial gifts. <i>Biology Letters</i> , 2008 , 4, 476-8	3.6	25
275	Lifelong alpha-tocopherol supplementation increases the median life span of C57BL/6 mice in the cold but has only minor effects on oxidative damage. <i>Rejuvenation Research</i> , 2008 , 11, 83-96	2.6	27
274	Stable carbon isotopes in exhaled breath as tracers for dietary information in birds and mammals. <i>Journal of Experimental Biology</i> , 2008 , 211, 2233-8	3	37
273	The contribution of animal models to the study of obesity. <i>Laboratory Animals</i> , 2008 , 42, 413-32	2.6	96
272	Protein synthesis and antioxidant capacity in aging mice: effects of long-term voluntary exercise. <i>Physiological and Biochemical Zoology</i> , 2008 , 81, 148-57	2	30
271	The impact of experimentally elevated energy expenditure on oxidative stress and lifespan in the short-tailed field vole <i>Microtus agrestis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 1907-16	4.4	64
270	The physiological costs of reproduction in small mammals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 375-98	5.8	489
269	Carbohydrate and lipid metabolism during the last larval moult of the tobacco hornworm, <i>Manduca sexta</i> . <i>Physiological Entomology</i> , 2008 , 18, 404-408	1.9	13
268	Chronic central administration of apelin-13 over 10 days increases food intake, body weight, locomotor activity and body temperature in C57BL/6 mice. <i>Journal of Neuroendocrinology</i> , 2008 , 20, 79-84 ⁸	3.8	55
267	Feeding behaviour in galanin knockout mice supports a role of galanin in fat intake and preference. <i>Journal of Neuroendocrinology</i> , 2008 , 20, 199-206	3.8	64
266	Effects of structural and functional habitat gaps on breeding woodland birds: working harder for less. <i>Landscape Ecology</i> , 2008 , 23, 615-626	4.3	60
265	Bat breath reveals metabolic substrate use in free-ranging vampires. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008 , 178, 9-16	2.2	20
264	Efficiency of facultative frugivory in the nectar-feeding bat <i>Glossophaga commissarisi</i> : the quality of fruits as an alternative food source. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2008 , 178, 985-96	2.2	24
263	Energetics and longevity in birds. <i>Age</i> , 2008 , 30, 75-87		46
262	Divergent physical activity and novel alternative responses to high fat feeding in polygenic fat and lean mice. <i>Behavior Genetics</i> , 2008 , 38, 292-300	3.2	21
261	Nutrient routing in omnivorous animals tracked by stable carbon isotopes in tissue and exhaled breath. <i>Oecologia</i> , 2008 , 157, 31-40	2.9	71
260	Assortative mating for obesity. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 316-23	7	65

259	Starving for life: what animal studies can and cannot tell us about the use of caloric restriction to prolong human lifespan. <i>Journal of Nutrition</i> , 2007 , 137, 1078-86	4.1	89
258	Plasma leptin levels are related to body composition, sex, insulin levels and the A55V polymorphism of the UCP2 gene. <i>International Journal of Obesity</i> , 2007 , 31, 1311-8	5.5	17
257	The measurement of resting metabolic rate in preschool children. <i>Obesity</i> , 2007 , 15, 1930-2	8	11
256	Quantitative trait Loci for regional adiposity in mouse lines divergently selected for food intake. <i>Obesity</i> , 2007 , 15, 2994-3004	8	7
255	Intake compensates for resting metabolic rate variation in female C57BL/6J mice fed high-fat diets. <i>Obesity</i> , 2007 , 15, 600-6	8	41
254	Nectar-feeding bats fuel their high metabolism directly with exogenous carbohydrates. <i>Functional Ecology</i> , 2007 , 21, 913-921	5.6	77
253	Altered expression of SOCS3 in the hypothalamic arcuate nucleus during seasonal body mass changes in the field vole, <i>Microtus agrestis</i> . <i>Journal of Neuroendocrinology</i> , 2007 , 19, 83-94	3.8	22
252	Snake Pipefish <i>Entelurus aequoreus</i> are poor food for seabirds. <i>Ibis</i> , 2007 , 150, 413-415	1.9	19
251	Prevention of diet-induced obesity and impaired glucose tolerance in rats following administration of leptin to their mothers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R1810-8	3.2	60
250	Effects of mass and body composition on fasting fuel utilisation in grey seal pups (<i>Halichoerus grypus</i> Fabricius): an experimental study using supplementary feeding. <i>Journal of Experimental Biology</i> , 2007 , 210, 3043-53	3	42
249	Gene environment Interactions and the Origin of the Modern Obesity Epidemic 2007 , 301-322		2
248	Water requirements as a bottleneck in the reintroduction of European roe deer to the southern edge of its range. <i>Canadian Journal of Zoology</i> , 2007 , 85, 1182-1192	1.5	11
247	Hunger does not diminish over time in mice under protracted caloric restriction. <i>Rejuvenation Research</i> , 2007 , 10, 533-42	2.6	33
246	Limits to sustained energy intake. X. Effects of fur removal on reproductive performance in laboratory mice. <i>Journal of Experimental Biology</i> , 2007 , 210, 4233-43	3	111
245	Energetic costs of parasitism in the Cape ground squirrel <i>Xerus inauris</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2169-77	4.4	59
244	Associations between basal metabolic rate and reproductive performance in C57BL/6J mice. <i>Journal of Experimental Biology</i> , 2007 , 210, 65-74	3	43
243	Regulation of body mass and adiposity in the field vole, <i>Microtus agrestis</i> : a model of leptin resistance. <i>Journal of Endocrinology</i> , 2007 , 192, 271-8	4.7	26
242	Expression of neuromedin B in adipose tissue and its regulation by changes in energy balance. <i>Journal of Molecular Endocrinology</i> , 2007 , 39, 199-210	4.5	20

241	Predicting the effects of body fatness on food intake and performance of sheep. <i>British Journal of Nutrition</i> , 2007 , 97, 1206-15	3.6	7
240	Sex- and concentration-dependent effects of predator feces on seasonal regulation of body mass in the bank vole <i>Clethrionomys glareolus</i> . <i>Hormones and Behavior</i> , 2007 , 52, 436-44	3.7	31
239	Calorie-restricted mice that gorge show less ability to compensate for reduced energy intake. <i>Physiology and Behavior</i> , 2007 , 92, 985-92	3.5	17
238	A nonadaptive scenario explaining the genetic predisposition to obesity: the "predation release" hypothesis. <i>Cell Metabolism</i> , 2007 , 6, 5-12	24.6	172
237	AMPK is essential for energy homeostasis regulation and glucose sensing by POMC and AgRP neurons. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2325-36	15.9	377
236	Genetics of Obesity 2007 , 221-236		1
235	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. <i>Mechanisms of Ageing and Development</i> , 2006 , 127, 897-904	5.6	74
234	A theory of associating food types with their postingestive consequences. <i>American Naturalist</i> , 2006 , 167, 705-16	3.7	45
233	Some mathematical and technical issues in the measurement and interpretation of open-circuit indirect calorimetry in small animals. <i>International Journal of Obesity</i> , 2006 , 30, 1322-31	5.5	187
232	Having it all: historical energy intakes do not generate the anticipated trade-offs in fecundity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 1369-74	4.4	30
231	The energy costs of sexual dimorphism in mole-rats are morphological not behavioural. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 57-63	4.4	19
230	Thrifty genes for obesity and the metabolic syndrome--time to call off the search?. <i>Diabetes and Vascular Disease Research</i> , 2006 , 3, 7-11	3.3	87
229	Seasonal metabolism of juvenile green turtles (<i>Chelonia mydas</i>) at Heron Island, Australia. <i>Canadian Journal of Zoology</i> , 2006 , 84, 125-135	1.5	26
228	Age related variation in the energy costs of torpor in Daubenton's bat: effects on fat accumulation prior to hibernation. <i>Acta Chiropterologica</i> , 2006 , 8, 509-521	1	10
227	Energy expenditure and water turnover in hunting dogs: a pilot study. <i>Journal of Nutrition</i> , 2006 , 136, 2063S-2065S	4.1	8
226	Individually variable energy management strategies in relation to energetic costs of egg production. <i>Ecology</i> , 2006 , 87, 2447-58	4.6	39
225	Soaring behaviour in the Samoan flying fox (<i>Pteropus samoensis</i>). <i>Journal of Zoology</i> , 2006 , 256, 55-62	2	10
224	Effects of climate on oxygen consumption and energy intake of chromosomally divergent populations of the House Mouse (<i>Mus musculus domesticus</i>) from the island of Madeira (North Atlantic, Portugal). <i>Functional Ecology</i> , 2006 , 20, 330-339	5.6	9

223	Energetics reveals physiologically distinct castes in a eusocial mammal. <i>Nature</i> , 2006 , 440, 795-7	50.4	58
222	Additional anthropometric measures may improve the predictability of basal metabolic rate in adult subjects. <i>European Journal of Clinical Nutrition</i> , 2006 , 60, 1437-44	5.2	45
221	Huddling in groups leads to daily energy savings in free-living African Four-Striped Grass Mice, <i>Rhodomys pumilio</i> . <i>Functional Ecology</i> , 2006 , 20, 166-173	5.6	90
220	Photoperiod regulates leptin sensitivity in field voles, <i>Microtus agrestis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006 , 176, 153-63	2.2	31
219	Seasonal variation in the metabolic rate and body composition of female grey seals: fat conservation prior to high-cost reproduction in a capital breeder?. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006 , 176, 505-12	2.2	37
218	Field Metabolic Rates of Walrus (<i>Odobenus rosmarus</i>) Measured by the Doubly Labeled Water Method. <i>Aquatic Mammals</i> , 2006 , 32, 363-369	3.1	27
217	Body size, energy metabolism and lifespan. <i>Journal of Experimental Biology</i> , 2005 , 208, 1717-30	3	581
216	Seasonal energetics of the Hottentot golden mole at 1500 m altitude. <i>Physiology and Behavior</i> , 2005 , 84, 739-45	3.5	17
215	Impact of ectoparasitic blowfly larvae (<i>Protocalliphora</i> spp.) on the behavior and energetics of nestling Blue Tits. <i>Journal of Field Ornithology</i> , 2005 , 76, 402-410	0.9	28
214	Factors influencing variation in basal metabolic rate include fat-free mass, fat mass, age, and circulating thyroxine but not sex, circulating leptin, or triiodothyronine. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 941-8	7	302
213	Effect of mild restriction of food intake on the speed of racing Greyhounds. <i>American Journal of Veterinary Research</i> , 2005 , 66, 1065-70	1.1	10
212	A life history model of somatic damage associated with resource acquisition: damage protection or prevention?. <i>Journal of Theoretical Biology</i> , 2005 , 235, 305-17	2.3	17
211	Correlations between physiology and lifespan--two widely ignored problems with comparative studies. <i>Aging Cell</i> , 2005 , 4, 167-75	9.9	102
210	Expenditure freeze: the metabolic response of small mammals to cold environments. <i>Ecology Letters</i> , 2005 , 8, 1326-1333	10	83
209	Contribution of different mechanisms to compensation for energy restriction in the mouse. <i>Obesity</i> , 2005 , 13, 1548-57		75
208	PIXImus DXA with different software needs individual calibration to accurately predict fat mass. <i>Obesity</i> , 2005 , 13, 1558-65		31
207	Mice with low metabolic rates are not susceptible to weight gain when fed a high-fat diet. <i>Obesity</i> , 2005 , 13, 556-66		18
206	Associations between BMI, social strata and the estimated energy content of foods. <i>International Journal of Obesity</i> , 2005 , 29, 1281-8	5.5	16

205	Energy expenditure of calorically restricted rats is higher than predicted from their altered body composition. <i>Mechanisms of Ageing and Development</i> , 2005 , 126, 783-93	5.6	83
204	A paternally imprinted QTL for mature body mass on mouse chromosome 8. <i>Mammalian Genome</i> , 2005 , 16, 567-77	3.2	16
203	Limits to sustained energy intake IX: a review of hypotheses. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005 , 175, 375-94	2.2	102
202	Exercise by lifelong voluntary wheel running reduces subsarcolemmal and interfibrillar mitochondrial hydrogen peroxide production in the heart. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R1564-72	3.2	108
201	The role of technology in the past and future development of the doubly labelled water method. <i>Isotopes in Environmental and Health Studies</i> , 2005 , 41, 335-43	1.5	12
200	Effect of photoperiod on body mass, food intake and body composition in the field vole, <i>Microtus agrestis</i> . <i>Journal of Experimental Biology</i> , 2005 , 208, 571-84	3	48
199	Comparison of different approaches for the calculation of energy expenditure using doubly labeled water in a small mammal. <i>Physiological and Biochemical Zoology</i> , 2005 , 78, 650-67	2	82
198	The role of insulin receptor substrate 2 in hypothalamic and beta cell function. <i>Journal of Clinical Investigation</i> , 2005 , 115, 940-50	15.9	184
197	Low energy values of fish as a probable cause of a major seabird breeding failure in the North Sea. <i>Marine Ecology - Progress Series</i> , 2005 , 294, 1-8	2.6	220
196	Optimal body size and energy expenditure during winter: why are voles smaller in declining populations?. <i>American Naturalist</i> , 2004 , 163, 442-57	3.7	36
195	The functional significance of individual variation in basal metabolic rate. <i>Physiological and Biochemical Zoology</i> , 2004 , 77, 900-15	2	175
194	The energetic cost of variations in wing span and wing asymmetry in the zebra finch <i>Taeniopygia guttata</i> . <i>Journal of Experimental Biology</i> , 2004 , 207, 3977-84	3	19
193	Birds sacrifice oxidative protection for reproduction. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271 Suppl 5, S360-3	4.4	176
192	Photoperiodic effects on body mass, energy balance and hypothalamic gene expression in the bank vole. <i>Journal of Experimental Biology</i> , 2004 , 207, 165-77	3	37
191	Peripherally administered [Nle4,D-Phe7]-alpha-melanocyte stimulating hormone increases resting metabolic rate, while peripheral agouti-related protein has no effect, in wild type C57BL/6 and ob/ob mice. <i>Journal of Molecular Endocrinology</i> , 2004 , 33, 693-703	4.5	34
190	Metabolic power of European starlings <i>Sturnus vulgaris</i> during flight in a wind tunnel, estimated from heat transfer modelling, doubly labelled water and mask respirometry. <i>Journal of Experimental Biology</i> , 2004 , 207, 4291-8	3	51
189	Comparison of the cost of short flights in a nectarivorous and a non-nectarivorous bird. <i>Journal of Experimental Biology</i> , 2004 , 207, 3959-68	3	30
188	Uncoupled and surviving: individual mice with high metabolism have greater mitochondrial uncoupling and live longer. <i>Aging Cell</i> , 2004 , 3, 87-95	9.9	443

187	Measuring metabolic rate in the field: the pros and cons of the doubly labelled water and heart rate methods. <i>Functional Ecology</i> , 2004 , 18, 168-183	5.6	306
186	Differential energy costs of winter acclimatized common spiny mice <i>Acomys cahirinus</i> from two adjacent habitats. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004 , 137, 419-23	2.6	5
185	REPRODUCTIVE ENERGETICS OF CAPTIVE AND FREE-RANGING EGYPTIAN FRUIT BATS (<i>ROUSETTUS AEGYPTIACUS</i>). <i>Ecology</i> , 2004 , 85, 220-230	4.6	42
184	The energy cost of loaded flight is substantially lower than expected due to alterations in flight kinematics. <i>Journal of Experimental Biology</i> , 2004 , 207, 3969-76	3	25
183	Long-term cold acclimation leads to high Q10 effects on oxygen consumption of loggerhead sea turtles <i>Caretta caretta</i> . <i>Physiological and Biochemical Zoology</i> , 2004 , 77, 209-22	2	47
182	Energetics of cooperative breeding in meerkats <i>Suricata Suricatta</i> . <i>International Congress Series</i> , 2004 , 1275, 367-374		4
181	Obesity: the integrated roles of environment and genetics. <i>Journal of Nutrition</i> , 2004 , 134, 2090S-2105S	4.1	149
180	Limits to sustained energy intake. VIII. Resting metabolic rate and organ morphology of laboratory mice lactating at thermoneutrality. <i>Journal of Experimental Biology</i> , 2003 , 206, 4283-91	3	84
179	Long-term divergent selection on fatness in mice indicates a regulation system independent of leptin production and reception. <i>FASEB Journal</i> , 2003 , 17, 85-7	0.9	17
178	Limits to sustained energy intake. VII. Milk energy output in laboratory mice at thermoneutrality. <i>Journal of Experimental Biology</i> , 2003 , 206, 4267-81	3	92
177	Limits to sustained energy intake. VI. Energetics of lactation in laboratory mice at thermoneutrality. <i>Journal of Experimental Biology</i> , 2003 , 206, 4255-66	3	110
176	The energy cost of song in the canary, <i>Serinus canaria</i> . <i>Animal Behaviour</i> , 2003 , 66, 893-902	2.8	102
175	Field energetics of free-living, lactating and non-lactating echidnas (<i>Tachyglossus aculeatus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2003 , 136, 903-9	2.6	16
174	The dual function of the lung in chelonian sea turtles: buoyancy control and oxygen storage. <i>Journal of Experimental Marine Biology and Ecology</i> , 2003 , 297, 123-140	2.1	32
173	Energetics and water economy of common spiny mice <i>Acomys cahirinus</i> from north- and south-facing slopes of a Mediterranean valley. <i>Functional Ecology</i> , 2003 , 17, 178-185	5.6	10
172	Age-related changes in the metabolism and body composition of three dog breeds and their relationship to life expectancy. <i>Aging Cell</i> , 2003 , 2, 265-75	9.9	110
171	Oxidative phosphorylation, mitochondrial proton cycling, free-radical production and aging. <i>Advances in Cell Aging and Gerontology</i> , 2003 , 14, 35-68		9
170	Azorean Bats <i>Nyctalus azoreum</i> , Cluster as they Emerge from Roosts, Despite the Lack of Avian Predators. <i>Acta Chiropterologica</i> , 2003 , 5, 185	1	11

169	Resting and daily energy expenditures of free-living field voles are positively correlated but reflect extrinsic rather than intrinsic effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 14057-62	11.5	87
168	Physical activity and resting metabolic rate. <i>Proceedings of the Nutrition Society</i> , 2003 , 62, 621-34	2.9	238
167	Voluntary exercise has only limited effects on activity of antioxidant enzymes and does not cause oxidative damage in a small mammal. <i>Journal of Nutrition</i> , 2002 , 132, 1784S-6S	4.1	6
166	The consequences of acute cold exposure on protein oxidation and proteasome activity in short-tailed field voles, <i>Microtus agrestis</i> . <i>Free Radical Biology and Medicine</i> , 2002 , 33, 259-65	7.8	63
165	Carbon isotope ratios in exhaled CO ₂ can be used to determine not just present, but also past diets in birds. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2002 , 172, 263-8	2.2	33
164	Cost of flight in the zebra finch (<i>Taenopygia guttata</i>): a novel approach based on elimination of ¹³ C labelled bicarbonate. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2002 , 172, 529-39	2.2	28
163	The energetics of autumn mast hoarding in eastern chipmunks. <i>Oecologia</i> , 2002 , 133, 30-37	2.9	42
162	Climate-mediated energetic constraints on the distribution of hibernating mammals. <i>Nature</i> , 2002 , 418, 313-6	50.4	266
161	The Analysis of ¹³ C/ ¹² C Ratios in Exhaled CO ₂ : Its Advantages and Potential Application to Field Research to Infer Diet, Changes in Diet Over Time, and Substrate Metabolism in Birds. <i>Integrative and Comparative Biology</i> , 2002 , 42, 21-33	2.8	39
160	Regional blood flow in sea turtles: implications for heat exchange in an aquatic ectotherm. <i>Physiological and Biochemical Zoology</i> , 2002 , 75, 66-76	2	29
159	The energetics of lactation in cooperatively breeding meerkats <i>Suricata suricatta</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2147-53	4.4	65
158	Does body mass play a role in the regulation of food intake?. <i>Proceedings of the Nutrition Society</i> , 2002 , 61, 473-87	2.9	62
157	Living fast, dying when? The link between aging and energetics. <i>Journal of Nutrition</i> , 2002 , 132, 1583S-975S	4.1	145
156	Antioxidant enzyme activities, lipid peroxidation, and DNA oxidative damage: the effects of short-term voluntary wheel running. <i>Archives of Biochemistry and Biophysics</i> , 2002 , 401, 255-61	4.1	48
155	The isotope dilution method for the evaluation of body composition 2001 , 56-98		31
154	Standard methods for destructive body composition analysis 2001 , 39-55		30
153	Thermoregulatory responses of two mouse <i>Mus musculus</i> strains selectively bred for high and low food intake. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2001 , 171, 661-8	2.2	29
152	Hypothalamic neuropeptide mechanisms for regulating energy balance: from rodent models to human obesity. <i>Neuroscience and Biobehavioral Reviews</i> , 2001 , 25, 101-16	9	81

151	Can non-shivering thermogenesis in brown adipose tissue following NA injection be quantified by changes in overlying surface temperatures using infrared thermography?. <i>Journal of Thermal Biology</i> , 2001 , 26, 85-93	2.9	19
150	Foraging energetics of arctic cormorants and the evolution of diving birds. <i>Ecology Letters</i> , 2001 , 4, 180-184		51
149	Associations between energetics and over-winter survival in the short-tailed field vole <i>Microtus agrestis</i> . <i>Journal of Animal Ecology</i> , 2001 , 70, 633-640	4.7	100
148	The evolution of flight and echolocation in bats: another leap in the dark. <i>Mammal Review</i> , 2001 , 31, 111-130	5	71
147	The status of Nathusius' pipistrelle (<i>Pipistrellus nathusii</i> Keyserling & Blasius, 1839) in the British Isles. <i>Journal of Zoology</i> , 2001 , 254, 91-100	2	21
146	Measuring natural abundance of ¹³ C in respired CO ₂ : variability and implications for non-invasive dietary analysis. <i>Functional Ecology</i> , 2001 , 15, 791-797	5.6	26
145	Validation of dual energy X-ray absorptiometry (DXA) by comparison with chemical analysis of dogs and cats. <i>International Journal of Obesity</i> , 2001 , 25, 439-47	5.5	89
144	Energetics and litter size variation in domestic dog <i>Canis familiaris</i> breeds of two sizes. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2001 , 129, 919-31	2.6	12
143	Aerodynamics and Energetics of Intermittent Flight in Birds ¹ . <i>American Zoologist</i> , 2001 , 41, 188-204		26
142	Effect of increased dietary protein and decreased dietary carbohydrate on performance and body composition in racing Greyhounds. <i>American Journal of Veterinary Research</i> , 2001 , 62, 440-7	1.1	26
141	Energetic and fitness costs of mismatching resource supply and demand in seasonally breeding birds. <i>Science</i> , 2001 , 291, 2598-600	33.3	291
140	Competition between Eurasian red and introduced Eastern grey squirrels: the energetic significance of body-mass differences. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 1731-6	4.4	12
139	Effect of high-fat diet on body mass and energy balance in the bank vole. <i>Physiology and Behavior</i> , 2001 , 74, 65-70	3.5	18
138	Aerodynamics and Energetics of Intermittent Flight in Birds. <i>American Zoologist</i> , 2001 , 41, 188-204		15
137	The use of dual-energy X-ray absorptiometry for the measurement of body composition 2001 , 211-229		10
136	Validation of the doubly-labelled water technique in the domestic dog (<i>Canis familiaris</i>). <i>British Journal of Nutrition</i> , 2001 , 85, 75-87	3.6	49
135	Limits to sustained energy intake. <i>Journal of Experimental Biology</i> , 2001 , 204, 1925-1935	3	141
134	Limits to sustained energy intake. <i>Journal of Experimental Biology</i> , 2001 , 204, 1937-1946	3	74

133	Limits to sustained energy intake. <i>Journal of Experimental Biology</i> , 2001 , 204, 1947-1956	3	62
132	Limits to sustained energy intake. <i>Journal of Experimental Biology</i> , 2001 , 204, 1957-1965	3	45
131	Limits to sustained energy intake. <i>Journal of Experimental Biology</i> , 2001 , 204, 1967-1977	3	79
130	Metabolic power, mechanical power and efficiency during wind tunnel flight by the European starling <i>Sturnus vulgaris</i> . <i>Journal of Experimental Biology</i> , 2001 , 204, 3311-3322	3	70
129	Variations in respiratory muscle activity during echolocation when stationary in three species of bat (Microchiroptera: Vespertilionidae). <i>Journal of Experimental Biology</i> , 2001 , 204, 4185-4197	3	17
128	Resting metabolic rate and morphology in mice (<i>Mus musculus</i>) selected for high and low food intake. <i>Journal of Experimental Biology</i> , 2001 , 204, 777-84	3	80
127	Limits to sustained energy intake. I. Lactation in the laboratory mouse <i>Mus musculus</i> . <i>Journal of Experimental Biology</i> , 2001 , 204, 1925-35	3	108
126	Limits to sustained energy intake. II. Inter-relationships between resting metabolic rate, life-history traits and morphology in <i>Mus musculus</i> . <i>Journal of Experimental Biology</i> , 2001 , 204, 1937-46	3	59
125	Limits to sustained energy intake. III. Effects of concurrent pregnancy and lactation in <i>Mus musculus</i> . <i>Journal of Experimental Biology</i> , 2001 , 204, 1947-56	3	41
124	Limits to sustained energy intake. IV. Effect of variation in food quality on lactating mice <i>Mus musculus</i> . <i>Journal of Experimental Biology</i> , 2001 , 204, 1957-65	3	35
123	Limits to sustained energy intake. V. Effect of cold-exposure during lactation in <i>Mus musculus</i> . <i>Journal of Experimental Biology</i> , 2001 , 204, 1967-77	3	62
122	Metabolic power, mechanical power and efficiency during wind tunnel flight by the European starling <i>Sturnus vulgaris</i> . <i>Journal of Experimental Biology</i> , 2001 , 204, 3311-22	3	48
121	Variations in respiratory muscle activity during echolocation when stationary in three species of bat (Microchiroptera: Vespertilionidae). <i>Journal of Experimental Biology</i> , 2001 , 204, 4185-97	3	13
120	Preparation of hydrogen from water by reduction with lithium aluminium hydride for the analysis of $\delta(2)H$ by isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000 , 14, 450-3	2.2	16
119	Activity patterns of insectivorous bats and birds in northern Scandinavia (69° N), during continuous midsummer daylight. <i>Oikos</i> , 2000 , 88, 75-86	4	54
118	Avoidance behaviour of bats and moths: when is it predator defence?. <i>Oikos</i> , 2000 , 88, 221-223	4	9
117	Social and population structure of a gleaning bat, <i>Plecotus auritus</i> . <i>Journal of Zoology</i> , 2000 , 252, 11-17	2	60
116	Energetics of lactation in domestic dog (<i>Canis familiaris</i>) breeds of two sizes. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2000 , 125, 197-210	2.6	28

115	Effect of long-term cold exposure on antioxidant enzyme activities in a small mammal. <i>Free Radical Biology and Medicine</i> , 2000 , 28, 1279-85	7.8	93
114	Daily energy expenditure of the grey mouse lemur (<i>Microcebus murinus</i>): a small primate that uses torpor. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2000 , 170, 633-41	2.2	108
113	Isotope recycling in lactating dogs (<i>Canis familiaris</i>). <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2000 , 278, R669-76	3.2	8
112	Morphological changes during postnatal growth and reproduction in the brown long-eared bat <i>Plecotus auritus</i> : implications for wing loading and predicted flight performance. <i>Journal of Natural History</i> , 2000 , 34, 773-791	0.5	27
111	Effects of body mass and reproduction on the basal metabolic rate of brown long-eared bats (<i>Plecotus auritus</i>). <i>Physiological and Biochemical Zoology</i> , 2000 , 73, 112-21	2	41
110	Relationships between Resting Metabolic Rate and Morphology in Lactating Mice: What Tissues are the Major Contributors to Resting Metabolism? 2000 , 479-486		7
109	Social and population structure of a gleaning bat, <i>Plecotus auritus</i> 2000 , 252, 11		3
108	Estimation of the rate of oxygen consumption of the common eider duck (<i>Somateria mollissima</i>), with some measurements of heart rate during voluntary dives. <i>Journal of Experimental Biology</i> , 2000 , 203, 2819-32	3	33
107	Energy budgets of lactating and non-reproductive Brown Long-Eared Bats (<i>Plecotus auritus</i>) suggest females use compensation in lactation. <i>Functional Ecology</i> , 1999 , 13, 360-372	5.6	95
106	No support for socio-physiological suppression effect on metabolism of paired white mice (<i>Mus sp.</i>). <i>Functional Ecology</i> , 1999 , 13, 373-382	5.6	36
105	Daily energy expenditure of free-living male Wood Mice in different habitats and seasons. <i>Functional Ecology</i> , 1999 , 13, 585-593	5.6	24
104	Effect of roost size on the emergence behaviour of pipistrelle bats. <i>Animal Behaviour</i> , 1999 , 58, 787-795	2.8	24
103	Absorption of visible spectrum radiation by the wing membranes of living pteropodid bats. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1999 , 169, 187-94	2.2	10
102	Male short-tailed field voles (<i>Microtus agrestis</i>) build better insulated nests than females. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1999 , 169, 581-7	2.2	27
101	Preparing for inactivity: how insectivorous bats deposit a fat store for hibernation. <i>Proceedings of the Nutrition Society</i> , 1999 , 58, 123-31	2.9	92
100	Isotope dilution spaces of mice injected simultaneously with deuterium, tritium and oxygen-18. <i>Journal of Experimental Biology</i> , 1999 , 202, 2839-49	3	40
99	Roost selection in the pipistrelle bat, <i>Pipistrellus pipistrellus</i> (Chiroptera: Vespertilionidae), in northeast Scotland. <i>Animal Behaviour</i> , 1998 , 56, 909-917	2.8	54
98	High hunting costs make African wild dogs vulnerable to kleptoparasitism by hyaenas. <i>Nature</i> , 1998 , 391, 479-481	50.4	242

97	The reproductive cycle and determination of sexual maturity in male brown long-eared bats, <i>Plecotus auritus</i> (Chiroptera: Vespertilionidae). <i>Journal of Zoology</i> , 1998 , 244, 63-70	2	56
96	Do emerging pipistrelle bats lose control of their timing due to crowding pressure? <i>Journal of Zoology</i> , 1998 , 246, 445-448	2	3
95	Feathers as a means of monitoring mercury in seabirds: Insights from stable isotope analysis. <i>Environmental Pollution</i> , 1998 , 101, 193-200	9.3	93
94	Diurnal activity in the Samoan flying fox, <i>Pteropus samoensis</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998 , 353, 1595-1606	5.8	19
93	The history and theory of the doubly labeled water technique. <i>American Journal of Clinical Nutrition</i> , 1998 , 68, 932S-938S	7	183
92	The reproductive cycle and determination of sexual maturity in male brown long-eared bats, <i>Plecotus auritus</i> (Chiroptera: Vespertilionidae) 1998 , 244, 63		8
91	Factors influencing the daily energy expenditure of small mammals. <i>Proceedings of the Nutrition Society</i> , 1997 , 56, 1119-36	2.9	53
90	Roost Selection by the Brown Long-Eared Bat <i>Plecotus auritus</i> . <i>Journal of Applied Ecology</i> , 1997 , 34, 399-5.8		79
89	Apparent absorption efficiency and gut morphometry of wood mice, <i>Apodemus sylvaticus</i> , from two distinct populations with different diets. <i>Physiological Zoology</i> , 1997 , 70, 610-4		18
88	Non-nutritional maternal support in the brown long-eared bat. <i>Animal Behaviour</i> , 1997 , 54, 1193-204	2.8	51
87	Ranging behaviour and time budgets of male wood mice <i>Apodemus sylvaticus</i> in different habitats and seasons. <i>Oecologia</i> , 1997 , 109, 242-250	2.9	55
86	Seasonal variation in the resting metabolic rate of male wood mice <i>Apodemus sylvaticus</i> from two contrasting habitats 15 km apart. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1997 , 167, 229-39	2.2	45
85	Validation of the labeled bicarbonate technique for measurement of short-term energy expenditure in the mouse. <i>European Journal of Nutrition</i> , 1997 , 36, 273-7		26
84	Wing temperature in flying bats measured by infrared thermography. <i>Journal of Thermal Biology</i> , 1997 , 22, 109-116	2.9	28
83	Population dynamics of a maternity colony of the pipistrelle bat (<i>Pipistrellus pipistrellus</i>) in north-east Scotland. <i>Journal of Zoology</i> , 1996 , 240, 777-780	2	12
82	The relationship between foraging behaviour and energy expenditure in Antarctic fur seals. <i>Journal of Zoology</i> , 1996 , 239, 769-782	2	70
81	How hot is a hibernaculum? A review of the temperatures at which bats hibernate. <i>Canadian Journal of Zoology</i> , 1996 , 74, 761-765	1.5	90
80	Measuring the Body Composition of Antarctic Fur Seals (<i>Arctocephalus gazella</i>): Validation of Hydrogen Isotope Dilution. <i>Physiological Zoology</i> , 1996 , 69, 93-116		66

79	Limits to Sustained Metabolic Rate: The Link between Food Intake, Basal Metabolic Rate, and Morphology in Reproducing Mice, <i>Mus musculus</i> . <i>Physiological Zoology</i> , 1996 , 69, 746-769		185
78	Summer acclimatization in the short-tailed field vole, <i>Microtus agrestis</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1996 , 166, 286-93	2.2	35
77	Feather asymmetry in Archaeopteryx. <i>Nature</i> , 1995 , 374, 221-222	50.4	6
76	Evolution of nocturnality in bats: Potential competitors and predators during their early history. <i>Biological Journal of the Linnean Society</i> , 1995 , 54, 183-191	1.9	61
75	Thermoregulatory responses to manipulations of photoperiod in wood mice <i>Apodemus sylvaticus</i> from high latitudes (57°N). <i>Journal of Thermal Biology</i> , 1995 , 20, 437-443	2.9	20
74	Temporal patterns in the emergence behaviour of pipistrelle bats, <i>Pipistrellus pipistrellus</i> , from maternity colonies are consistent with an anti-predator response. <i>Animal Behaviour</i> , 1995 , 50, 1147-1156	2.8	34
73	Elimination rate of ⁶⁵ Zn as a measure of food intake: a validation study in the mouse (<i>Mus sp.</i>). <i>Journal of Applied Physiology</i> , 1995 , 79, 1361-9	3.7	4
72	Estimation of precision in DLW studies using the two-point methodology. <i>Obesity</i> , 1995 , 3 Suppl 1, 31-9		16
71	Daily Energy Expenditure of Tufted Ducks: A Comparison Between Indirect Calorimetry, Doubly Labelled Water and Heart Rate. <i>Functional Ecology</i> , 1995 , 9, 40	5.6	47
70	Nest site selection by sea turtles. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 1995 , 75, 667-674	1.1	50
69	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. <i>Parasitology</i> , 1995 , 110, 473-482	2.7	73
68	Nucleotide excision repair: variations associated with cancer development and speciation. <i>Cancer Surveys</i> , 1995 , 25, 125-42		7
67	Energetics of Reproduction in the Lesser Hedgehog Tenrec, <i>Echinops telfairi</i> (Martin). <i>Physiological Zoology</i> , 1994 , 67, 976-994		40
66	Effect of using the doubly labelled water technique on long-term recapture in the brown long-eared bat (<i>Plecotus auritus</i>). <i>Canadian Journal of Zoology</i> , 1994 , 72, 783-785	1.5	4
65	Inter- and Intraindividual Variation in Daily Energy Expenditure of the Pouched Mouse (<i>Saccostomus campestris</i>). <i>Functional Ecology</i> , 1994 , 8, 336	5.6	62
64	Predation rates on bats released to fly during daylight in south-eastern Australia. <i>Journal of Zoology</i> , 1994 , 233, 318-321	2	15
63	Long photophase is not a sufficient stimulus to reduce thermogenic capacity in winter-acclimatized short-tailed field voles (<i>Microtus agrestis</i>) during long-term cold acclimation. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1994 , 164, 159-64	2.2	7
62	Is Hyperthermia a Constraint on the Diurnal Activity of Bats?. <i>Journal of Theoretical Biology</i> , 1994 , 171, 325-339	2.3	25

61	Flight capabilities of Archaeopteryx. <i>Nature</i> , 1994 , 370, 514-514	50.4	24
60	Use of lamplit roads by foraging bats in southern England. <i>Journal of Zoology</i> , 1994 , 234, 453-462	2	79
59	Post-prandial urine loss and its relation to ecology in brown long-eared (<i>Plecotus auritus</i>) and Daubenton's (<i>Myotis daubentoni</i>) bats (Chiroptera: Vespertilionidae). <i>Journal of Zoology</i> , 1994 , 233, 165-173	2	6
58	First record of breeding bats above the Arctic Circle: northern bats at 68°N in Norway. <i>Journal of Zoology</i> , 1994 , 233, 335-339	2	18
57	Central Limits to Sustainable Metabolic Rate Have No Role in Cold Acclimation of the Short-Tailed Field Vole (<i>Microtus agrestis</i>). <i>Physiological Zoology</i> , 1994 , 67, 1117-1139		60
56	Utilisation des nids chez l'hirondelle front blanc (<i>Hirundo pyrrhonota</i>). <i>Écoscience</i> , 1994 , 1, 119-126	1.1	7
55	Limits to Sustainable Metabolic Rate during Transient Exposure to Low Temperatures in Short-Tailed Field Voles (<i>Microtus agrestis</i>). <i>Physiological Zoology</i> , 1994 , 67, 1103-1116		23
54	Nest placement by loggerhead turtles, <i>Caretta caretta</i> . <i>Animal Behaviour</i> , 1993 , 45, 47-53	2.8	55
53	Flight Capabilities in Archaeopteryx. <i>Evolution; International Journal of Organic Evolution</i> , 1993 , 47, 336	3.8	6
52	Reproductive investment by green turtles nesting on Ascension Island. <i>Canadian Journal of Zoology</i> , 1993 , 71, 1098-1103	1.5	26
51	FLIGHT CAPABILITIES IN ARCHAEOPTERYX. <i>Evolution; International Journal of Organic Evolution</i> , 1993 , 47, 336-340	3.8	14
50	The Searching Speeds of Foraging Shorebirds: Redshank (<i>Tringa totanus</i>) and Oystercatcher (<i>Haematopus ostralegus</i>). <i>American Naturalist</i> , 1993 , 142, 296-319	3.7	18
49	Measurement of Basal Metabolic Rates: Don't Lose Sight of Reality in the Quest for Comparability. <i>Physiological Zoology</i> , 1993 , 66, 1045-1049		27
48	Revised equations for calculating CO ₂ production from doubly labeled water in humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1993 , 264, E912-7	6	29
47	The Energetics of Reproduction in the Common Shrew (<i>Sorex araneus</i>): A Comparison of Indirect Calorimetry and the Doubly Labeled Water Method. <i>Physiological Zoology</i> , 1993 , 66, 964-982		47
46	The implication of small reductions in body temperature for radiant and convective heat loss in resting endothermic brown long-eared bats (<i>Plecotus auritus</i>). <i>Journal of Thermal Biology</i> , 1993 , 18, 131-135	2.9	32
45	Defecation, apparent absorption efficiency, and the importance of water obtained in the food for water balance in captive brown long-eared (<i>Plecotus auritus</i>) and Daubenton's (<i>Myotis daubentoni</i>) bats. <i>Journal of Zoology</i> , 1993 , 230, 619-628	2	21
44	Taxonomy, status and distribution of the Azorean bat (<i>Nyctalus azoreum</i>). <i>Journal of Zoology</i> , 1993 , 231, 27-38	2	15

43	Comparisons of body size, field energetics, and water flux among populations of the skink <i>Chalcides sexlineatus</i> . <i>Canadian Journal of Zoology</i> , 1992 , 70, 1001-1006	1.5	8
42	Why Do Brown Long-eared Bats (<i>Plecotus auritus</i>) Fly in Winter?. <i>Physiological Zoology</i> , 1992 , 65, 554-567		26
41	Clutch size for Mediterranean loggerhead turtles (<i>Caretta caretta</i>). <i>Journal of Zoology</i> , 1992 , 226, 321-327		9
40	Inter- and intra-individual variation in wing loading and body mass in female pipistrelle bats: theoretical implications for flight performance. <i>Journal of Zoology</i> , 1992 , 228, 669-673	2	9
39	A problem defining temporal pattern in animal behaviour: clustering in the emergence behaviour of bats from maternity roosts. <i>Animal Behaviour</i> , 1992 , 43, 491-500	2.8	35
38	Sampling Bias in Respirometry. <i>Physiological Zoology</i> , 1992 , 65, 604-619		85
37	The Contributions of Local Heating and Reducing Exposed Surface Area to the Energetic Benefits of Huddling by Short-Tailed Field Voles (<i>Microtus agrestis</i>). <i>Physiological Zoology</i> , 1992 , 65, 742-762		82
36	The functional significance of ventilation frequency, and its relationship to oxygen demand in the resting brown long-eared bat, <i>Plecotus auritus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1992 , 162, 144-7	2.2	18
35	Individual and population energetics of a lizard on a Mediterranean islet. <i>Oecologia</i> , 1992 , 91, 500-504	2.9	11
34	Albedo and transmittance of short-wave radiation for bat wings. <i>Journal of Thermal Biology</i> , 1992 , 17, 317-321	2.9	15
33	Seasonal acclimatization and thermoregulation in the pouched mouse <i>Saccostomus campestris</i> . <i>Journal of Thermal Biology</i> , 1991 , 16, 13-17	2.9	24
32	No cost of echolocation for bats in flight. <i>Nature</i> , 1991 , 350, 421-3	50.4	173
31	The impact of predation by birds on bat populations in the British Isles. <i>Mammal Review</i> , 1991 , 21, 123-142		95
30	Reproductive Investment and Optimum Clutch Size of Loggerhead Sea Turtles (<i>Caretta caretta</i>). <i>Journal of Animal Ecology</i> , 1991 , 60, 455	4.7	29
29	Minimum summer populations and densities of bats in N.E. Scotland, near the northern borders of their distributions. <i>Journal of Zoology</i> , 1991 , 225, 327-345	2	49
28	Status of Nathusius' pipistrelle (<i>Pipistrellus nathusii</i>) in Britain. <i>Journal of Zoology</i> , 1991 , 225, 685-690	2	21
27	Arrhythmic breathing in torpid pipistrelle bats, <i>Pipistrellus pipistrellus</i> . <i>Respiration Physiology</i> , 1991 , 85, 185-92		13
26	Effects of Disturbance on the Energy Expenditure of Hibernating Bats. <i>Journal of Applied Ecology</i> , 1991 , 28, 1087	5.8	91

25	Why do Insectivorous Bats in Britain Not Fly in Daylight More Frequently?. <i>Functional Ecology</i> , 1991 , 5, 518	5.6	70
24	Metabolic and behavioural consequences of the procedures of the doubly labelled water technique on white (MF1) mice. <i>Journal of Experimental Biology</i> , 1991 , 157, 123-32	3	9
23	Metabolic and behavioural consequences of the procedures of the doubly labelled water technique on white (MF1) mice. <i>Journal of Experimental Biology</i> , 1991 , 157, 123-132	3	11
22	On Blum's four-dimensional geometric explanation for the 0.75 exponent in metabolic allometry. <i>Journal of Theoretical Biology</i> , 1990 , 144, 139-41	2.3	8
21	Principles, problems and a paradox with the measurement of energy expenditure of free-living subjects using doubly-labelled water. <i>Statistics in Medicine</i> , 1990 , 9, 1365-80	2.3	26
20	Interlaboratory comparison of different analytical techniques for the determination of oxygen-18 abundance. <i>Analytical Chemistry</i> , 1990 , 62, 703-708	7.8	88
19	The function of daylight flying in British bats. <i>Journal of Zoology</i> , 1990 , 220, 101-113	2	32
18	Short Communication: Doppler Radar: A Non-Invasive Technique for Measuring Ventilation Rate in Resting Bats. <i>Journal of Experimental Biology</i> , 1990 , 150, 443-447	3	3
17	The energy cost of echolocation in pipistrelle bats (<i>Pipistrellus pipistrellus</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1989 , 165, 679-685	2.3	53
16	Doubly labelled water: Errors in the evaluation of oxygen isotope turnover due to temporal variation in CO ₂ production do not always covary with dilution space estimate. <i>Journal of Theoretical Biology</i> , 1989 , 141, 547-556	2.3	15
15	Hibernal Ecology of the Pipistrelle Bat: Energy Expenditure, Water Requirements and Mass Loss, Implications for Survival and the Function of Winter Emergence Flights. <i>Journal of Animal Ecology</i> , 1989 , 58, 797	4.7	84
14	Suckling behaviour in the pipistrelle bat (<i>Pipistrellus pipistrellus</i>). <i>Journal of Zoology</i> , 1989 , 219, 665-670		19
13	Position of the pinnae and thermoregulatory status in brown long-eared bats (<i>Plecotus auritus</i>). <i>Journal of Thermal Biology</i> , 1988 , 13, 25-29	2.9	13
12	Validation of the Doubly Labeled Water Technique in Small Insectivorous Bats by Comparison with Indirect Calorimetry. <i>Physiological Zoology</i> , 1988 , 61, 514-526		29
11	The doubly-labelled water technique for measurement of energy expenditure in free-living animals. <i>Science Progress</i> , 1988 , 72, 227-37	1.1	10
10	Apparent Absorption Efficiencies for Redshank (<i>Tringa totanus</i> L.) and Oystercatcher (<i>Haematopus ostralegus</i> L.): Implications for the Predictions of Optimal Foraging Models. <i>American Naturalist</i> , 1987 , 130, 677-691	3.7	33
9	Calculation of CO ₂ production in doubly-labelled water studies. <i>Journal of Theoretical Biology</i> , 1987 , 126, 101-4	2.3	20
8	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. <i>Journal of Theoretical Biology</i> , 1987 , 127, 79-95	2.3	93

7	Postdocs need a career structure. <i>Nature</i> , 1987 , 326, 822-822	50.4	
6	The optimum search speed of terrestrial predators when feeding on sedentary prey: a predictive model. <i>Journal of Theoretical Biology</i> , 1986 , 122, 401-407	2.3	26
5	Why do curlews Numenius have decurved bills?. <i>Bird Study</i> , 1986 , 33, 61-69	0.7	16
4	Measurement of CO ₂ production by the doubly labeled water technique. <i>Journal of Applied Physiology</i> , 1986 , 61, 1200-2	3.7	27
3	Aetiology of Human Obesity 187-212		1
2	Higher metabolic plasticity in temperate compared to tropical lizards suggests increased resilience to climate change. <i>Ecological Monographs</i> ,	9	1
1	A mesocosm experiment in ecological physiology: adaptive modulation of energy budget in a hibernating marsupial under chronic caloric restriction		2