David Raubenheimer

List of Publications by Year
in descending order

254 papers	17,395 citations	10389 72 h-index	19749 117 g-index
260 all docs	260 docs citations	260 times ranked	12951 citing authors

#	Article	IF	Citations
1	Lifespan and reproduction in Drosophila : New insights from nutritional geometry. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2498-2503.	7.1	887
2	The Ratio of Macronutrients, Not Caloric Intake, Dictates Cardiometabolic Health, Aging, and Longevity in Ad Libitum-Fed Mice. Cell Metabolism, 2014, 19, 418-430.	16.2	768
3	Nutrition, ecology and nutritional ecology: toward an integrated framework. Functional Ecology, 2009, 23, 4-16.	3.6	496
4	Optimal foraging when regulating intake of multiple nutrients. Animal Behaviour, 2004, 68, 1299-1311.	1.9	480
5	Sex-Specific Fitness Effects of Nutrient Intake on Reproduction and Lifespan. Current Biology, 2008, 18, 1062-1066.	3.9	408
6	Nutrient-Specific Foraging in Invertebrate Predators. Science, 2005, 307, 111-113.	12.6	396
7	Protein content of diets dictates the daily energy intake of a free-ranging primate. Behavioral Ecology, 2009, 20, 685-690.	2.2	266
8	Modelling the ecological niche from functional traits. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 3469-3483.	4.0	262
9	Macronutrient balance mediates tradeâ€offs between immune function and life history traits. Functional Ecology, 2011, 25, 186-198.	3.6	254
10	Nutritional ecology of marine herbivorous fishes: ten years on. Functional Ecology, 2009, 23, 79-92.	3.6	212
11	Branched-chain amino acids impact health and lifespan indirectly via amino acid balance and appetite control. Nature Metabolism, 2019, 1, 532-545.	11.9	207
12	Nutritional Ecology of Entomophagy in Humans and Other Primates. Annual Review of Entomology, 2013, 58, 141-160.	11.8	202
13	Nutritional geometry: gorillas prioritize non-protein energy while consuming surplus protein. Biology Letters, 2011, 7, 847-849.	2.3	198
14	Testing Protein Leverage in Lean Humans: A Randomised Controlled Experimental Study. PLoS ONE, 2011, 6, e25929.	2.5	194
15	Macronutrient balance, reproductive function, and lifespan in aging mice. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3481-3486.	7.1	194
16	Geometric analysis of macronutrient intake in humans: the power of protein?. Appetite, 2003, 41, 123-140.	3.7	183
17	Toward a quantitative nutritional ecology: the right-angled mixture triangle. Ecological Monographs, 2011, 81, 407-427.	5.4	178
18	Optimal foraging for specific nutrients in predatory beetles. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2212-2218.	2.6	176

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19	Proteinâ€leverage in Mice: The Geometry of Macronutrient Balancing and Consequences for Fat Deposition. Obesity, 2008, 16, 566-571.	3.0	169
20	Dietary Protein to Carbohydrate Ratio and Caloric Restriction: Comparing Metabolic Outcomes in Mice. Cell Reports, 2015, 11, 1529-1534.	6.4	169
21	Putting the Balance Back in Diet. Cell, 2015, 161, 18-23.	28.9	165
22	Defining the Nutritional and Metabolic Context of FGF21ÂUsing the Geometric Framework. Cell Metabolism, 2016, 24, 555-565.	16.2	164
23	The impact of low-protein high-carbohydrate diets on aging and lifespan. Cellular and Molecular Life Sciences, 2016, 73, 1237-1252.	5.4	164
24	Dietary Restriction and Aging: A Unifying Perspective. Cell Metabolism, 2011, 14, 154-160.	16.2	162
25	Obligate herbivory in an ancestrally carnivorous lineage: the giant panda and bamboo from the perspective of nutritional geometry. Functional Ecology, 2015, 29, 26-34.	3.6	160
26	Diet-Microbiome Interactions in Health Are Controlled by Intestinal Nitrogen Source Constraints. Cell Metabolism, 2017, 25, 140-151.	16.2	148
27	HERBIVORE FORAGING IN CHEMICALLY HETEROGENEOUS ENVIRONMENTS: NUTRIENTS AND SECONDARY METABOLITES. Ecology, 2002, 83, 2489-2501.	3.2	143
28	Nutritional Ecology of Ateles chamek in lowland Bolivia: How Macronutrient Balancing Influences Food Choices. International Journal of Primatology, 2009, 30, 675-696.	1.9	143
29	Match and mismatch: conservation physiology, nutritional ecology and the timescales of biological adaptation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 1628-1646.	4.0	143
30	Nutritional contributions of insects to primate diets: Implications for primate evolution. Journal of Human Evolution, 2014, 71, 59-69.	2.6	141
31	Nutritional Immunology: A Multi-Dimensional Approach. PLoS Pathogens, 2011, 7, e1002223.	4.7	136
32	What We Know about the Publicâ€™s Level of Concern for Farm Animal Welfare in Food Production in Developed Countries. Animals, 2016, 6, 74.	2.3	135
33	Nutritional Ecology and Human Health. Annual Review of Nutrition, 2016, 36, 603-626.	10.1	135
34	STOICHIOMETRY: LINKING ELEMENTS TO BIOCHEMICALS. Ecology, 2004, 85, 1193-1202.	3.2	130
35	Evolving resistance to obesity in an insect. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14045-14049.	7.1	128
36	Geometric analysis of macronutrient selection in the adult domestic cat, Felis catus. Journal of Experimental Biology, 2011, 214, 1039-1051.	1.7	127

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37	Tannic Acid, Protein, and Digestible Carbohydrate: Dietary Imbalance and Nutritional Compensation in Locusts. Ecology, 1992, 73, 1012-1027.	3.2	125
38	Integrating nutrition and immunology: A new frontier. Journal of Insect Physiology, 2013, 59, 130-137.	2.0	125
39	The Multidimensional Nutritional Niche. Trends in Ecology and Evolution, 2016, 31, 355-365.	8.7	124
40	NUTRIENT-SPECIFIC COMPENSATION FOLLOWING DIAPAUSE IN A PREDATOR: IMPLICATIONS FOR INTRAGUILD PREDATION. Ecology, 2007, 88, 2598-2608.	3.2	123
41	Recent Advances in the Integrative Nutrition of Arthropods. Annual Review of Entomology, 2015, 60, 293-311.	11.8	123
42	The Hungry Locust. Advances in the Study of Behavior, 2000, 29, 1-44.	1.6	122
43	ORGANISMAL STOICHIOMETRY: QUANTIFYING NON-INDEPENDENCE AMONG FOOD COMPONENTS. Ecology, 2004, 85, 1203-1216.	3.2	121
44	Dietary protein, aging and nutritional geometry. Ageing Research Reviews, 2017, 39, 78-86.	10.9	120
45	Macronutrient optimization and energy maximization determine diets of brown bears. Journal of Mammalogy, 2014, 95, 160-168.	1.3	116
46	Impact of climate change on human-wildlife-ecosystem interactions in the Trans-Himalaya region of Nepal. Theoretical and Applied Climatology, 2014, 115, 517-529.	2.8	112
47	Modelling nutritional interactions: from individuals to communities. Trends in Ecology and Evolution, 2010, 25, 53-60.	8.7	111
48	Balancing heat, water and nutrients under environmental change: a thermodynamic niche framework. Functional Ecology, 2013, 27, 950-966.	3.6	110
49	Macronutrients and caloric intake in health and longevity. Journal of Endocrinology, 2015, 226, R17-R28.	2.6	110
50	The effects of nutritional imbalance on compensatory feeding for cellulose-mediated dietary dilution in a generalist caterpillar. Physiological Entomology, 2004, 29, 108-117.	1.5	106
51	Moving beyond body condition indices as an estimate of fitness in ecological and evolutionary studies. Functional Ecology, 2016, 30, 108-115.	3.6	103
52	Comparing the Effects of Low-Protein and High-Carbohydrate Diets and Caloric Restriction on Brain Aging in Mice. Cell Reports, 2018, 25, 2234-2243.e6.	6.4	102
53	Balancing of protein and lipid intake by a mammalian carnivore, the mink, Mustela vison. Animal Behaviour, 2009, 77, 349-355.	1.9	101
54	Arthropod food webs become increasingly lipidâ€limited at higher trophic levels. Ecology Letters, 2013, 16, 895-902.	6.4	100

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55	Predicting the distributions of predator (snow leopard) and prey (blue sheep) under climate change in the Himalaya. Ecology and Evolution, 2016, 6, 4065-4075.	1.9	100
56	Protein Leverage: Theoretical Foundations and Ten Points of Clarification. Obesity, 2019, 27, 1225-1238.	3.0	99
57	Macronutrient Optimization and Seasonal Diet Mixing in a Large Omnivore, the Grizzly Bear: A Geometric Analysis. PLoS ONE, 2014, 9, e97968.	2.5	96
58	Geometric analysis of macronutrient selection in breeds of the domestic dog, Canis lupus familiaris. Behavioral Ecology, 2013, 24, 293-304.	2.2	95
59	Towards a synthesis of frameworks in nutritional ecology: interacting effects of protein, carbohydrate and phosphorus on field cricket fitness. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140539.	2.6	93
60	Nutritional strategies to optimise cognitive function in the aging brain. Ageing Research Reviews, 2016, 31, 80-92.	10.9	93
61	Nutritional ecology beyond the individual: a conceptual framework for integrating nutrition and social interactions. Ecology Letters, 2015, 18, 273-286.	6.4	92
62	A correlation between macronutrient balancing and insect host-plant range: evidence from the specialist caterpillar Spodoptera exempta (Walker). Journal of Insect Physiology, 2003, 49, 1161-1171.	2.0	90
63	Dietary balance during pregnancy is associated with fetal adiposity and fat distribution. American Journal of Clinical Nutrition, 2012, 96, 1032-1041.	4.7	88
64	Assuaging nutritional complexity: a geometrical approach. Proceedings of the Nutrition Society, 1999, 58, 779-789.	1.0	86
65	Do wild carnivores forage for prey or for nutrients?. BioEssays, 2015, 37, 701-709.	2.5	86
66	Ultra-processed foods, protein leverage and energy intake in the USA. Public Health Nutrition, 2018, 21, 114-124.	2.2	86
67	30 Days in the Life: Daily Nutrient Balancing in a Wild Chacma Baboon. PLoS ONE, 2013, 8, e70383.	2.5	84
68	Caloric Restriction and Aging Revisited: The Need for a Geometric Analysis of the Nutritional Bases of Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2007, 62, 707-713.	3.6	83
69	Humanâ€“carnivore conflict: ecological and economical sustainability of predation on livestock by snow leopard and other carnivores in the Himalaya. Sustainability Science, 2014, 9, 321-329.	4.9	83
70	Cognitive and behavioral evaluation of nutritional interventions in rodent models of brain aging and dementia. Clinical Interventions in Aging, 2017, Volume 12, 1419-1428.	2.9	82
71	Geometry of nutrition in field studies: an illustration using wild primates. Oecologia, 2015, 177, 223-234.	2.0	80
72	THE GEOMETRIC ANALYSIS OF NUTRIENTâ€“ALLELOCHEMICAL INTERACTIONS: A CASE STUDY USING LOCUSTS. Ecology, 2001, 82, 422-439.	3.2	79

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73	Bridging Ecological Stoichiometry and Nutritional Geometry with homeostasis concepts and integrative models of organism nutrition. Functional Ecology, 2017, 31, 286-296.	3.6	79
74	The nature of nutrition: a unifying framework. Australian Journal of Zoology, 2011, 59, 350.	1.0	78
75	The Geometric Framework for Nutrition as a tool in precision medicine. Nutrition and Healthy Aging, 2017, 4, 217-226.	1.1	76
76	Nutrient regulation in a predator, the wolf spider Pardosa prativaga. Animal Behaviour, 2011, 81, 993-999.	1.9	75
77	Nutritional PharmEcology: Doses, nutrients, toxins, and medicines. Integrative and Comparative Biology, 2009, 49, 329-337.	2.0	74
78	Macronutrients mediate the functional relationship between Drosophila and Wolbachia. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142029.	2.6	73
79	Nutritional ecology of obesity: from humans to companion animals. British Journal of Nutrition, 2015, 113, S26-S39.	2.3	73
80	Sex differences in nutrientâ€dependent reproductive ageing. Aging Cell, 2009, 8, 324-330.	6.7	71
81	A new approach to diet optimisation: A re-analysis using European whitefish (Coregonus lavaretus). Aquaculture, 2007, 267, 147-156.	3.5	66
82	Frequency-dependent food selection in locusts: a geometric analysis of the role of nutrient balancing. Animal Behaviour, 2001, 61, 995-1005.	1.9	65
83	Bridging factorial and gradient concepts of resource coâ€limitation: towards a general framework applied to consumers. Ecology Letters, 2016, 19, 201-215.	6.4	65
84	Fetal and Neonatal Pathways to Obesity. Frontiers of Hormone Research, 2008, 36, 61-72.	1.0	64
85	Temperatureâ€related variation in growth rate, size, maturation and life span in a marine herbivorous fish over a latitudinal gradient. Journal of Animal Ecology, 2014, 83, 866-875.	2.8	64
86	New Horizons: Dietary protein, ageing and the Okinawan ratio. Age and Ageing, 2016, 45, 443-447.	1.6	64
87	A comparison of nutrient regulation between solitarious and gregarious phases of the specialist caterpillar, Spodoptera exempta (Walker). Journal of Insect Physiology, 2004, 50, 1171-1180.	2.0	63
88	Effects of dietary protein to carbohydrate balance on energy intake, fat storage, and heat production in mice. Obesity, 2013, 21, 85-92.	3.0	62
89	Nutritional ecology and foraging theory. Current Opinion in Insect Science, 2018, 27, 38-45.	4.4	62
90	The emerging role of pharmacology in understanding consumerâ€“prey interactions in marine and freshwater systems. Integrative and Comparative Biology, 2009, 49, 291-313.	2.0	61

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91	Giant Pandas Are Macronutritional Carnivores. Current Biology, 2019, 29, 1677-1682.e2.	3.9	58
92	Longâ€term declines in nutritional quality of tropical leaves. Ecology, 2015, 96, 873-878.	3.2	57
93	Ontogenetic changes in the rate of ingestion and estimates of food consumption in fourth and fifth instar Helicoverpa armigera caterpillars. Journal of Insect Physiology, 2003, 49, 63-71.	2.0	54
94	Sardine cycles, krill declines, and locust plagues: revisiting â€˜wasp-waistâ€™ food webs. Trends in Ecology and Evolution, 2014, 29, 309-316.	8.7	53
95	Blue sheep in the Annapurna Conservation Area, Nepal: habitat use, population biomass and their contribution to the carrying capacity of snow leopards. Integrative Zoology, 2014, 9, 34-45.	2.6	50
96	VetCompass Australia: A National Big Data Collection System for Veterinary Science. Animals, 2017, 7, 74.	2.3	50
97	Food distance and its effect on nutrient balancing in a mobile insect herbivore. Animal Behaviour, 2003, 66, 665-675.	1.9	49
98	Multidimensional nutritional ecology and urban birds. Ecosphere, 2018, 9, e02177.	2.2	47
99	Testing the Protein Leverage Hypothesis in a free-living human population. Appetite, 2012, 59, 312-315.	3.7	45
100	Behavioral Microbiomics: A Multi-Dimensional Approach to Microbial Influence on Behavior. Frontiers in Microbiology, 2015, 6, 1359.	3.5	44
101	The Nutritional Balancing Act of a Large Herbivore: An Experiment with Captive Moose (Alces alces L). PLoS ONE, 2016, 11, e0150870.	2.5	44
102	Free amino acids as phagostimulants in cricket nuptial gifts: support for the â€˜Candymakerâ€™ hypothesis. Biology Letters, 2009, 5, 194-196.	2.3	42
103	Nutritional correlates of the â€œlean seasonâ€: Effects of seasonality and frugivory on the nutritional ecology of diademed sifakas. American Journal of Physical Anthropology, 2014, 153, 78-91.	2.1	42
104	Modelling nutrition across organizational levels: From individuals to superorganisms. Journal of Insect Physiology, 2014, 69, 2-11.	2.0	42
105	Dietary macronutrients and the aging liver sinusoidal endothelial cell. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1064-H1070.	3.2	42
106	Impact of dietary carbohydrate type and proteinâ€“carbohydrate interaction on metabolic health. Nature Metabolism, 2021, 3, 810-828.	11.9	42
107	Collective foraging in spatially complex nutritional environments. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160238.	4.0	41
108	Nutrientâ€specific compensation for seasonal cold stress in a freeâ€ranging temperate colobine monkey. Functional Ecology, 2018, 32, 2170-2180.	3.6	41

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109	Modeling Time Series of Animal Behavior by Means of a Latentâ€State Model with Feedback. Biometrics, 2008, 64, 807-815.	1.4	40
110	Three hundred and fifty generations of extreme food specialisation: testing predictions of nutritional ecology. Entomologia Experimentalis Et Applicata, 2009, 132, 65-75.	1.4	40
111	Dietary protein selection in a free-ranging urban population of common myna birds. Behavioral Ecology, 2016, 27, 219-227.	2.2	40
112	Strong associations of nine-point body condition scoring with survival and lifespan in cats. Journal of Feline Medicine and Surgery, 2018, 20, 1110-1118.	1.6	40
113	Nutritional geometry and macronutrient variation in the diets of gannets: the challenges in marine field studies. Marine Biology, 2014, 161, 2791-2801.	1.5	39
114	Multipronged strategy including genetic analysis for assessing conservation options for the snow leopard in the central Himalaya. Journal of Mammalogy, 2014, 95, 871-881.	1.3	39
115	An Overlooked Consequence of Dietary Mixing: A Varied Diet Reduces Interindividual Variance in Fitness. American Naturalist, 2015, 186, 649-659.	2.1	38
116	Visual accommodation and active pursuit of prey underwater in a plunge-diving bird: the Australasian gannet. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4118-4125.	2.6	37
117	Perspective: Tricks of the trade. Nature, 2014, 508, S66-S66.	27.8	36
118	Nutritional ecology and the evolution of aging. Experimental Gerontology, 2016, 86, 50-61.	2.8	36
119	Meta-analysis of variance: an illustration comparing the effects of two dietary interventions on variability in weight. Evolution, Medicine and Public Health, 2016, 2016, 244-255.	2.5	36
120	The nutritional geometry of liver disease including non-alcoholic fatty liver disease. Journal of Hepatology, 2018, 68, 316-325.	3.7	35
121	Macronutrient signature of dietary generalism in an ecologically diverse primate in the wild. Behavioral Ecology, 2018, 29, 804-813.	2.2	34
122	Raised FGF-21 and Triglycerides Accompany Increased Energy Intake Driven by Protein Leverage in Lean, Healthy Individuals: A Randomised Trial. PLoS ONE, 2016, 11, e0161003.	2.5	34
123	Macronutrient contributions of insects to the diets of hunterâ€“gatherers: A geometric analysis. Journal of Human Evolution, 2014, 71, 70-76.	2.6	33
124	The Nutritional Ecology of Marine Apex Predators. Annual Review of Marine Science, 2020, 12, 361-387.	11.6	33
125	The feeding behavior of the weevil,Exophthalmus jekelianus, with respect to the nutrients and allelochemicals in host plant leaves. Oikos, 2003, 100, 172-184.	2.7	32
126	Consistent proportional macronutrient intake selected by adult domestic cats (Felis catus) despite variations in macronutrient and moisture content of foods offered. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 525-536.	1.5	32

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127	Sex-specific macronutrient foraging strategies in a highly successful marine predator: the Australasian gannet. Marine Biology, 2016, 163, 1.	1.5	32
128	Prey nutrient composition has different effects on Pardosa wolf spiders with dissimilar life histories. Oecologia, 2011, 165, 577-583.	2.0	31
129	Lower Protein-to-Carbohydrate Ratio in Maternal Diet is Associated with Higher Childhood Systolic Blood Pressure up to Age Four Years. Nutrients, 2015, 7, 3078-3093.	4.1	31
130	Dietary generalists and nutritional specialists: Feeding strategies of adult female blue monkeys (Cercopithecus mitis) in the Kakamega Forest, Kenya. American Journal of Primatology, 2019, 81, e23016.	1.7	31
131	Distribution and diet of brown bears in the upper Mustang Region, Nepal. Ursus, 2012, 23, 231-236.	0.5	30
132	The Association between the Macronutrient Content of Maternal Diet and the Adequacy of Micronutrients during Pregnancy in the Women and Their Childrenâ€™s Health (WATCH) Study. Nutrients, 2012, 4, 1958-1976.	4.1	30
133	The Influence of Macronutrients on Splanchnic and Hepatic Lymphocytes in Aging Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 1499-1507.	3.6	30
134	Functional implications of omnivory for dietary nutrient balance. Oikos, 2016, 125, 1233-1240.	2.7	30
135	Motive for Killing: What Drives Prey Choice in Wild Predators?. Ethology, 2016, 122, 703-711.	1.1	30
136	The nutritional nexus: Linking niche, habitat variability and prey composition in a generalist marine predator. Journal of Animal Ecology, 2018, 87, 1286-1298.	2.8	30
137	Nutritional reprogramming of mouse liver proteome is dampened by metformin, resveratrol, and rapamycin. Cell Metabolism, 2021, 33, 2367-2379.e4.	16.2	30
138	Cyanoglycoside gynocardin fromAcraea horta (L.) (Lepidoptera: Acraeinae). Journal of Chemical Ecology, 1989, 15, 2177-2189.	1.8	28
139	Evidence for fatal collisions and kleptoparasitism while plunge-diving in Gannets. Ibis, 2011, 153, 631-635.	1.9	28
140	Conservation Strategy for Brown Bear and Its Habitat in Nepal. Diversity, 2012, 4, 301-317.	1.7	28
141	The contribution of private and public information in foraging by Australasian gannets. Animal Cognition, 2014, 17, 849-858.	1.8	28
142	Evolving Nutritional Strategies in the Presence of Competition: A Geometric Agent-Based Model. PLoS Computational Biology, 2015, 11, e1004111.	3.2	28
143	Feeding preferences of the Asian elephant (Elephas maximus) in Nepal. BMC Ecology, 2016, 16, 54.	3.0	28
144	Macronutritional consequences of food generalism in an invasive mammal, the wild boar. Mammalian Biology, 2016, 81, 523-526.	1.5	28

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145	A nutritional perspective on plastic ingestion in wildlife. Science of the Total Environment, 2019, 656, 789-796.	8.0	28
146	Dietary ratio of protein to carbohydrate induces plastic responses in the gastrointestinal tract of mice. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2010, 180, 259-266.	1.5	27
147	Developmental contributions to macronutrient selection: a randomized controlled trial in adult survivors of malnutrition. Evolution, Medicine and Public Health, 2016, 2016, 158-169.	2.5	27
148	Functional macronutritional generalism in a large omnivore, the brown bear. Ecology and Evolution, 2018, 8, 2365-2376.	1.9	27
149	Foods, macronutrients and fibre in the diet of blue sheep (Psuedois nayaur) in the Annapurna Conservation Area of Nepal. Ecology and Evolution, 2015, 5, 4006-4017.	1.9	26
150	Macronutrient balancing affects patch departure by guerezas (Colobus guereza). American Journal of Primatology, 2017, 79, 1-9.	1.7	26
151	Evidence for Protein Leverage in Children and Adolescents with Obesity. Obesity, 2020, 28, 822-829.	3.0	26
152	Risk factors for underweight and overweight in cats in metropolitan Sydney, Australia. Preventive Veterinary Medicine, 2017, 144, 102-111.	1.9	26
153	Separate effects of macronutrient concentration and balance on plastic gut responses in locusts. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2007, 177, 849-855.	1.5	25
154	Diet and nutrient balance of red panda in Nepal. Die Naturwissenschaften, 2015, 102, 54.	1.6	25
155	Balancing macronutrient intake in a mammalian carnivore: disentangling the influences of flavour and nutrition. Royal Society Open Science, 2016, 3, 160081.	2.4	25
156	Population variance in prey, diets and their macronutrient composition in an endangered marine predator, the Franciscana dolphin. Journal of Sea Research, 2017, 129, 70-79.	1.6	25
157	The Relationship Between Dietary Macronutrients and Hepatic Telomere Length in Aging Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 446-449.	3.6	25
158	Dietary macronutrient content, age-specific mortality and lifespan. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190393.	2.6	25
159	Coupling bio-logging with nutritional geometry to reveal novel insights into the foraging behaviour of a plunge-diving marine predator. New Zealand Journal of Marine and Freshwater Research, 2016, 50, 418-432.	2.0	24
160	Hidden Markov Models and Animal Behaviour. Biometrical Journal, 1995, 37, 701-712.	1.0	23
161	UVS is rare in seabirds. Vision Research, 2011, 51, 1333-1337.	1.4	23
162	Cardio-metabolic consequences of dietary carbohydrates: reconciling contradictions using nutritional geometry. Cardiovascular Research, 2021, 117, 386-401.	3.8	23

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163	Patterns of respiration in Locusta migratoria nymphs when feeding. Physiological Entomology, 2000, 25, 88-93.	1.5	22
164	Changes in Meat/Poultry/Fish Consumption in Australia: From 1995 to 2011â€“2012. Nutrients, 2016, 8, 753.	4.1	22
165	Might macronutrient requirements influence grizzly bearâ€“human conflict? Insights from nutritional geometry. Ecosphere, 2016, 7, e01204.	2.2	22
166	Exploratory analysis of meal composition in Australia: meat and accompanying foods. Public Health Nutrition, 2017, 20, 2157-2165.	2.2	22
167	Global associations between macronutrient supply and age-specific mortality. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30824-30835.	7.1	22
168	Habitat assessment for the translocation of blue sheep to maintain a viable snow leopard population in the Mt Everest Region, Nepal. Zoology and Ecology, 2013, 23, 66-82.	0.2	21
169	A Geometry of Regulatory Scaling. American Naturalist, 2008, 172, 681-693.	2.1	19
170	Nutrient-specific compensatory feeding in a mammalian carnivore, the mink, Neovison vison. British Journal of Nutrition, 2014, 112, 1226-1233.	2.3	19
171	Spider web and silk performance landscapes across nutrient space. Scientific Reports, 2016, 6, 26383.	3.3	19
172	Title is missing!. Journal of Insect Behavior, 2000, 13, 851-864.	0.7	18
173	Foraging behaviour and habitat use of chick-rearing Australasian Gannets in New Zealand. Journal of Ornithology, 2014, 155, 379-387.	1.1	18
174	Balancing macronutrient intake in cultured Lytechinus variegatus. Aquaculture, 2016, 450, 295-300.	3.5	18
175	Dietary diversity of an ecological and macronutritional generalist primate in a harsh highâ€latitude habitat, the Taihangshan macaque (Macaca mulatta tcheliensis). American Journal of Primatology, 2019, 81, e22965.	1.7	18
176	Population and individual polyphagy in the grasshopper Taeniopoda eques during natural foraging. Entomologia Experimentalis Et Applicata, 1994, 71, 167-176.	1.4	17
177	Biological Diversity and Management Regimes of the Northern Barandabhar Forest Corridor: An Essential Habitat for Ecological Connectivity in Nepal. Tropical Conservation Science, 2012, 5, 38-49.	1.2	17
178	Geometric Stoichiometry: Unifying Concepts of Animal Nutrition to Understand How Protein-Rich Diets Can Be â€œToo Much of a Good Thingâ€. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	17
179	Regulation of nutrient intake in nectar-feeding birds: insights from the geometric framework. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2012, 182, 603-611.	1.5	16
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