

Specific metabolic rates of major organs and tissues across a mechanistic model of resting energy expenditure

American Journal of Clinical Nutrition

92, 1369-1377

DOI: [10.3945/ajcn.2010.29885](https://doi.org/10.3945/ajcn.2010.29885)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Effect of Constitution on Mass of Individual Organs and Their Association with Metabolic Rate in Humans—A Detailed View on Allometric Scaling. PLoS ONE, 2011, 6, e22732.	1.1	60
2	Indirect calorimetry in laboratory mice and rats: principles, practical considerations, interpretation and perspectives. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R459-R476.	0.9	185
3	Evolving concepts on adjusting human resting energy expenditure measurements for body size. Obesity Reviews, 2012, 13, 1001-1014.	3.1	80
4	Advances in the Science and Application of Body Composition Measurement. Journal of Parenteral and Enteral Nutrition, 2012, 36, 96-107.	1.3	54
5	The Influence of Shc Proteins and Aging on Whole Body Energy Expenditure and Substrate Utilization in Mice. PLoS ONE, 2012, 7, e48790.	1.1	4
6	Regulation of Metabolism. , 2012, , 253-255.		2
7	High ratio of resting energy expenditure to body mass in childhood and adolescence: A mechanistic model. American Journal of Human Biology, 2012, 24, 460-467.	0.8	21
8	Primary metabolism in the new human cell line AGE1.HN at various substrate levels: increased metabolic efficiency and I±1-antitrypsin production at reduced pyruvate load. Applied Microbiology and Biotechnology, 2012, 93, 1637-1650.	1.7	20
9	Adaptive thermogenesis with weight loss in humans. Obesity, 2013, 21, 218-228.	1.5	119
10	Pandora's growing box: Inferring the evolution and development of hominin brains from endocasts. Evolutionary Anthropology, 2013, 22, 20-33.	1.7	75
11	Detection of thermogenesis in rodents in response to anti-obesity drugs and genetic modification. Frontiers in Physiology, 2013, 4, 64.	1.3	16
12	Issues in characterizing resting energy expenditure in obesity and after weight loss. Frontiers in Physiology, 2013, 4, 47.	1.3	51
13	Advances in the understanding of specific metabolic rates of major organs and tissues in humans. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 1.	1.3	62
14	Scientific Opinion on Dietary Reference Values for energy. EFSA Journal, 2013, 11, 3005.	0.9	157
15	Metabolomics — a novel window into inflammatory disease. Swiss Medical Weekly, 2013, 143, w13743.	0.8	54
16	Dystro-pathology Increases Energy Expenditure and Protein Turnover in the Mdx Mouse Model of Duchenne Muscular Dystrophy. PLoS ONE, 2014, 9, e89277.	1.1	49
17	Chronic Starvation Secondary to Anorexia Nervosa Is Associated With an Adaptive Suppression of Resting Energy Expenditure. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 908-914.	1.8	52
18	The regulation of glucose metabolism: implications and considerations for the assessment of glucose homeostasis in rodents. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E859-E871.	1.8	115

#	ARTICLE	IF	CITATIONS
19	Mathematical Model for the Contribution of Individual Organs to Non-Zero Y-Intercepts in Single and Multi-Compartment Linear Models of Whole-Body Energy Expenditure. <i>PLoS ONE</i> , 2014, 9, e103301.	1.1	14
20	Energy Requirements for Maintenance and Growth in 3- to 4-Year-Olds May Be Overestimated by Existing Equations. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 58, 642-646.	0.9	1
21	Metabolomics to identify biomarkers and as a predictive tool in inflammatory diseases. <i>Best Practice and Research in Clinical Rheumatology</i> , 2015, 29, 770-782.	1.4	13
24	The Role of miR-378a in Metabolism, Angiogenesis, and Muscle Biology. <i>International Journal of Endocrinology</i> , 2015, 2015, 1-13.	0.6	120
25	Limited OXPHOS capacity in white adipocytes is a hallmark of obesity in laboratory mice irrespective of the glucose tolerance status. <i>Molecular Metabolism</i> , 2015, 4, 631-642.	3.0	66
26	Regulation of metabolism: the rest-to-work transition in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E793-E801.	1.8	17
27	Programming and regulation of metabolic homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E506-E517.	1.8	28
28	Mitochondrial decline precedes phenotype development in the complement factor H mouse model of retinal degeneration but can be corrected by near infrared light. <i>Neurobiology of Aging</i> , 2015, 36, 2869-2876.	1.5	37
29	Near-infrared light increases ATP, extends lifespan and improves mobility in aged <i>Drosophila melanogaster</i> . <i>Biology Letters</i> , 2015, 11, 20150073.	1.0	35
30	Deletion of ARNT/HIF1 ² in pancreatic beta cells does not impair glucose homeostasis in mice, but is associated with defective glucose sensing ex vivo. <i>Diabetologia</i> , 2015, 58, 2832-2842.	2.9	9
31	The Clinical Assessment of Intraventricular Flows. <i>Annual Review of Fluid Mechanics</i> , 2015, 47, 315-342.	10.8	55
32	Generation of Mice Lacking DUF1220 Protein Domains: Effects on Fecundity and Hyperactivity. <i>Mammalian Genome</i> , 2015, 26, 33-42.	1.0	5
33	Effect of resistance training on resting metabolic rate and its estimation by a dual-energy X-ray absorptiometry metabolic map. <i>European Journal of Clinical Nutrition</i> , 2015, 69, 831-836.	1.3	29
34	Age-Dependent Changes in Resting Energy Expenditure (REE): Insights from Detailed Body Composition Analysis in Normal and Overweight Healthy Caucasians. <i>Nutrients</i> , 2016, 8, 322.	1.7	47
35	Regulation of metabolism: the work-to-rest transition in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E633-E642.	1.8	15
36	Macrophage Recruitment and Polarization During Collateral Vessel Remodeling in Murine Adipose Tissue. <i>Microcirculation</i> , 2016, 23, 75-87.	1.0	20
37	MOF Acetyl Transferase Regulates Transcription and Respiration in Mitochondria. <i>Cell</i> , 2016, 167, 722-738.e23.	13.5	130
38	Influence of tissue, diet, and enzymatic remodeling on cardiolipin fatty acyl profile. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1804-1818.	1.5	32

#	ARTICLE	IF	CITATIONS
39	Comparison of Ribosomal RNA Removal Methods for Transcriptome Sequencing Workflows in Teleost Fish. <i>Animal Biotechnology</i> , 2016, 27, 60-65.	0.7	13
40	Mining Large Scale Tandem Mass Spectrometry Data for Protein Modifications Using Spectral Libraries. <i>Journal of Proteome Research</i> , 2016, 15, 721-731.	1.8	26
41	Gender-Specific Associations in Age-Related Changes in Resting Energy Expenditure (REE) and MRI Measured Body Composition in Healthy Caucasians. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 941-946.	1.7	36
42	Barth Syndrome: Connecting Cardiolipin to Cardiomyopathy. <i>Lipids</i> , 2017, 52, 99-108.	0.7	72
43	Multi-dimensional Roles of Ketone Bodies in Fuel Metabolism, Signaling, and Therapeutics. <i>Cell Metabolism</i> , 2017, 25, 262-284.	7.2	965
44	Impact of Fat-Free Mass Quality and Detailed Body Composition on Changes of Resting Energy Expenditure with Age. <i>Current Nutrition Reports</i> , 2017, 6, 111-121.	2.1	5
45	Inhibiting aerobic glycolysis suppresses renal interstitial fibroblast activation and renal fibrosis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F561-F575.	1.3	159
46	Variations in energy intake: it is more complicated than we think. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1169-1170.	2.2	16
47	The Glia-Neuron Lactate Shuttle and Elevated ROS Promote Lipid Synthesis in Neurons and Lipid Droplet Accumulation in Glia via APOE/D. <i>Cell Metabolism</i> , 2017, 26, 719-737.e6.	7.2	333
48	Vascular complications in diabetes: old messages, new thoughts. <i>Diabetologia</i> , 2017, 60, 2129-2138.	2.9	78
49	No evidence for loss of short-wavelength sensitive cone photoreceptors in normal ageing of the primate retina. <i>Scientific Reports</i> , 2017, 7, 46346.	1.6	16
50	Iron in neurodegenerative disorders: being in the wrong place at the wrong time?. <i>Reviews in the Neurosciences</i> , 2017, 28, 893-911.	1.4	38
51	Moderate Walking Enhances the Effects of an Energy-Restricted Diet on Fat Mass Loss and Serum Insulin in Overweight and Obese Adults in a 12-Week Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2017, 147, 1875-1884.	1.3	13
52	Mitochondrial energetics in the kidney. <i>Nature Reviews Nephrology</i> , 2017, 13, 629-646.	4.1	758
53	Sclerostin influences body composition by regulating catabolic and anabolic metabolism in adipocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11238-E11247.	3.3	125
54	Thermodynamic considerations in renal separation processes. <i>Theoretical Biology and Medical Modelling</i> , 2017, 14, 2.	2.1	2
55	Mitochondrial disease and endocrine dysfunction. <i>Nature Reviews Endocrinology</i> , 2017, 13, 92-104.	4.3	146
56	Biological Aging and Life Span Based on Entropy Stress via Organ and Mitochondrial Metabolic Loading. <i>Entropy</i> , 2017, 19, 566.	1.1	5

#	ARTICLE	IF	CITATIONS
57	Fluctuations of extracellular glucose and lactate in the mouse primary visual cortex during visual stimulation. Behavioural Brain Research, 2018, 344, 91-102.	1.2	7
58	Mitochondrial dysfunction in diabetic kidney disease. Nature Reviews Nephrology, 2018, 14, 291-312.	4.1	345
59	Is hemoglobin good for cerebral oxygenation and clinical outcome in acute brain injury?. Current Opinion in Critical Care, 2018, 24, 91-96.	1.6	7
60	Salt-Losing Tubulopathies in Children: What's New, What's Controversial?. Journal of the American Society of Nephrology: JASN, 2018, 29, 727-739.	3.0	57
62	Sirtuins in Renal Health and Disease. Journal of the American Society of Nephrology: JASN, 2018, 29, 1799-1809.	3.0	233
63	Genome-Wide Association Studies of Metabolite Concentrations (mGWAS): Relevance for Nephrology. Seminars in Nephrology, 2018, 38, 151-174.	0.6	32
64	Potential Mechanisms of Mitochondrial DNA Mediated Acquired Mitochondrial Disease. , 2018, , 297-315.		3
65	A review of the physiology of a survival expert of big freeze, deep snow, and an empty stomach: the boreal raccoon dog (Nyctereutes procyonoides). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2018, 188, 15-25.	0.7	13
66	Functional correlates of detailed body composition in healthy elderly subjects. Journal of Applied Physiology, 2018, 124, 182-189.	1.2	10
67	Contribution of structural brain phenotypes to the variance in resting energy expenditure in healthy Caucasian subjects. Journal of Applied Physiology, 2018, 125, 320-327.	1.2	6
68	Differential effects of diet composition and timing of feeding behavior on rat brown adipose tissue and skeletal muscle peripheral clocks. Neurobiology of Sleep and Circadian Rhythms, 2018, 4, 24-33.	1.4	39
69	A hot lunch for herbivores: physiological effects of elevated temperatures on mammalian feeding ecology. Biological Reviews, 2018, 93, 674-692.	4.7	34
70	Admixture Effects on Coevolved Metabolic Systems. Frontiers in Genetics, 2018, 9, 634.	1.1	1
71	EFFICACY OF MAGNETIC AND CAPACITIVE HYPERTHERMIA ON HEPATOCELLULAR CARCINOMA. Progress in Electromagnetics Research M, 2018, 64, 181-192.	0.5	1
73	Mitochondrial Function in Alzheimer's Disease: Focus on Astrocytes. , 2018, , .		4
74	Skeletal Muscle Fiber Types in Neuromuscular Diseases. , 0, , .		2
75	The Memory of the Heart. Journal of Cardiovascular Development and Disease, 2018, 5, 55.	0.8	2
76	Hepatic ketogenic insufficiency reprograms hepatic glycogen metabolism and the lipidome. JCI Insight, 2018, 3, .	2.3	51

#	ARTICLE	IF	CITATIONS
77	Age-associated changes of resting energy expenditure, body composition and fat distribution in Chinese Han males. <i>Physiological Reports</i> , 2018, 6, e13940.	0.7	6
78	Augmenter of liver regeneration promotes mitochondrial biogenesis in renal ischemia-reperfusion injury. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2018, 23, 695-706.	2.2	16
79	The metabolism distribution and effect of imidacloprid in chinese lizards (<i>Eremias argus</i>) following oral exposure. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 476-483.	2.9	19
80	Hypothermia Decreases O2 Cost for Ex Vivo Contraction in Mouse Skeletal Muscle. <i>Medicine and Science in Sports and Exercise</i> , 2018, 50, 2015-2023.	0.2	17
81	Sevoflurane Impairs Insulin Secretion and Tissue-Specific Glucose Uptake <i>In Vivo</i> . <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 123, 732-738.	1.2	7
82	Nutritional Ketosis and Mitohormesis: Potential Implications for Mitochondrial Function and Human Health. <i>Journal of Nutrition and Metabolism</i> , 2018, 2018, 1-27.	0.7	128
83	A novel high-throughput assay for respiration in isolated brain microvessels reveals impaired mitochondrial function in the aged mice. <i>GeroScience</i> , 2018, 40, 365-375.	2.1	54
84	Recent Perspectives Regarding the Role of Dietary Protein for the Promotion of Muscle Hypertrophy with Resistance Exercise Training. <i>Nutrients</i> , 2018, 10, 180.	1.7	149
85	Estimating the agreement between the metabolic rate calculated from prediction equations and from a portable indirect calorimetry device: an effort to develop a new equation for predicting resting metabolic rate. <i>Nutrition and Metabolism</i> , 2018, 15, 41.	1.3	9
86	Normalizing resting energy expenditure across the life course in humans: challenges and hopes. <i>European Journal of Clinical Nutrition</i> , 2018, 72, 628-637.	1.3	46
87	A continuum thermomechanical model of in vivo electrosurgical heating of hydrated soft biological tissues. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 961-974.	2.5	21
88	Sympathoexcitation constrains vasodilation in the human skeletal muscle microvasculature during postocclusive reactive hyperemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H242-H253.	1.5	14
89	Evaluating the contribution of differences in lean mass compartments for resting energy expenditure in African American and Caucasian American children. <i>Pediatric Obesity</i> , 2018, 13, 413-420.	1.4	8
90	Learn from Your Elders: Developmental Biology Lessons to Guide Maturation of Stem Cell-Derived Cardiomyocytes. <i>Pediatric Cardiology</i> , 2019, 40, 1367-1387.	0.6	47
91	Physical function-derived cut-points for the diagnosis of sarcopenia and dynapenia from the Canadian longitudinal study on aging. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019, 10, 985-999.	2.9	37
92	Contribution of brown adipose tissue to human energy metabolism. <i>Molecular Aspects of Medicine</i> , 2019, 68, 82-89.	2.7	58
93	Mitochondrial DNA copy number is associated with mortality and infections in a large cohort of patients with chronic kidney disease. <i>Kidney International</i> , 2019, 96, 480-488.	2.6	53
94	Sex-And tissue-specific differences in telomere length in a reptile. <i>Ecology and Evolution</i> , 2019, 9, 6211-6219.	0.8	26

#	ARTICLE	IF	CITATIONS
95	Switching off the furnace: brown adipose tissue and lactation. <i>Molecular Aspects of Medicine</i> , 2019, 68, 18-41.	2.7	10
96	Voltage-energized calcium-sensitive ATP production by mitochondria. <i>Nature Metabolism</i> , 2019, 1, 975-984.	5.1	101
97	The association between dietary fibre deficiency and high-income lifestyle-associated diseases: Burkitt's hypothesis revisited. <i>The Lancet Gastroenterology and Hepatology</i> , 2019, 4, 984-996.	3.7	120
98	SK1 Attenuates Oxidative Stress-Induced Renal Tubular Epithelial Cell Injury by Regulating Mitochondrial Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	1.9	26
99	Body size-dependent energy storage causes Kleiber's law scaling of the metabolic rate in planarians. <i>ELife</i> , 2019, 8, .	2.8	57
100	MS metabolic profiling reveals fructose-2,6-bisphosphate regulates branched chain amino acid metabolism in the heart during fasting. <i>Metabolomics</i> , 2019, 15, 18.	1.4	18
101	O ₂ Economizer for Inhibiting Cell Respiration To Combat the Hypoxia Obstacle in Tumor Treatments. <i>ACS Nano</i> , 2019, 13, 1784-1794.	7.3	106
102	Improving mitochondrial function significantly reduces the rate of age related photoreceptor loss. <i>Experimental Eye Research</i> , 2019, 185, 107691.	1.2	16
103	Mitochondrial Activity and Skeletal Muscle Insulin Resistance in Kidney Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2751.	1.8	30
104	Characterization of Glycolytic Enzymes and Pyruvate Kinase M2 in Type 1 and 2 Diabetic Nephropathy. <i>Diabetes Care</i> , 2019, 42, 1263-1273.	4.3	72
105	Antidiabetic and cardiovascular beneficial effects of a liver-localized mitochondrial uncoupler. <i>Nature Communications</i> , 2019, 10, 2172.	5.8	44
106	Body Composition, Resting Energy Expenditure, and Metabolic Changes in Women Diagnosed with Differentiated Thyroid Carcinoma. <i>Thyroid</i> , 2019, 29, 1044-1051.	2.4	9
107	Critical role of mitochondrial dysfunction and impaired mitophagy in diabetic nephropathy. <i>Journal of Cellular Physiology</i> , 2019, 234, 19223-19236.	2.0	66
108	Augmenter of liver regeneration protects the kidney from ischaemia-reperfusion injury in ferroptosis. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 4153-4164.	1.6	51
109	Shortage of Cellular ATP as a Cause of Diseases and Strategies to Enhance ATP. <i>Frontiers in Pharmacology</i> , 2019, 10, 98.	1.6	91
110	Bioengineering adult human heart tissue: How close are we?. <i>APL Bioengineering</i> , 2019, 3, 010901.	3.3	43
111	Functionalization of soft materials for cardiac repair and regeneration. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 451-468.	5.1	3
112	Management of cardiovascular risk in patients with multiple myeloma. <i>Blood Cancer Journal</i> , 2019, 9, 26.	2.8	71

#	ARTICLE	IF	CITATIONS
113	Metabolic adaptations during negative energy balance and their potential impact on appetite and food intake. <i>Proceedings of the Nutrition Society</i> , 2019, 78, 279-289.	0.4	30
114	The Role of Cardiolipin and Mitochondrial Damage in Kidney Transplant. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	12
115	GCN5L1 controls renal lipotoxicity through regulating acetylation of fatty acid oxidation enzymes. <i>Journal of Physiology and Biochemistry</i> , 2019, 75, 597-606.	1.3	12
116	Biological Diversity and Remodeling of Cardiolipin in Oxidative Stress and Age-Related Pathologies. <i>Biochemistry (Moscow)</i> , 2019, 84, 1469-1483.	0.7	9
117	Dietary <i>Aronia melanocarpa</i> extract enhances mTORC1 signaling, but has no effect on protein synthesis and protein breakdown-related signaling, in response to resistance exercise in rat skeletal muscle. <i>Journal of the International Society of Sports Nutrition</i> , 2019, 16, 60.	1.7	7
118	Contribution of Mitochondrial DNA Variation to Chronic Disease in East Asian Populations. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 128.	1.6	10
119	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	2.6	106
120	Metabolic rate of major organs and tissues in young adult South Asian women. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 1164-1171.	1.3	16
121	Bartter Syndrome and Gitelman Syndrome. <i>Pediatric Clinics of North America</i> , 2019, 66, 121-134.	0.9	47
122	Salidroside stimulates the Sirt1/PGC-1 β axis and ameliorates diabetic nephropathy in mice. <i>Phytomedicine</i> , 2019, 54, 240-247.	2.3	111
123	Porous tissue strands: avascular building blocks for scalable tissue fabrication. <i>Biofabrication</i> , 2019, 11, 015009.	3.7	22
124	Feed deprivation in Merino and Terminal sired lambs: (1) the metabolic response under resting conditions. <i>Animal</i> , 2019, 13, 1458-1467.	1.3	4
125	Understanding the Role of Exercise in Cancer Cachexia Therapy. <i>American Journal of Lifestyle Medicine</i> , 2019, 13, 46-60.	0.8	53
126	Stereotypical and Actual Associations of Breast Size with Mating-Relevant Traits. <i>Archives of Sexual Behavior</i> , 2020, 49, 821-836.	1.2	12
127	Influence of excess weight on lower extremity vertical stiffness and metabolic cost of walking. <i>European Journal of Sport Science</i> , 2020, 20, 477-485.	1.4	2
128	Adult onset tubulointerstitial nephropathy in MT-related phenotypes. <i>Clinical Genetics</i> , 2020, 97, 628-633.	1.0	8
129	Regulation of Mitochondrial ATP Production: Ca ²⁺ Signaling and Quality Control. <i>Trends in Molecular Medicine</i> , 2020, 26, 21-39.	3.5	134
130	Ageing-related lipidomic changes in mouse serum, kidney, and heart by nanoflow ultrahigh-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1618, 460849.	1.8	28

#	ARTICLE	IF	CITATIONS
131	Expression of mitochondrial protein genes encoded by nuclear and mitochondrial genomes correlate with energy metabolism in dairy cattle. <i>BMC Genomics</i> , 2020, 21, 720.	1.2	15
132	Effects of an early life diet containing large phospholipid-coated lipid globules on hepatic lipid metabolism in mice. <i>Scientific Reports</i> , 2020, 10, 16128.	1.6	9
133	The Link Between the Mitochondrial Fatty Acid Oxidation Derangement and Kidney Injury. <i>Frontiers in Physiology</i> , 2020, 11, 794.	1.3	63
134	Leptin signalling on arcuate NPY neurones controls adiposity independent of energy balance or diet composition. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12898.	1.2	11
135	The Vicious Cycle of Renal Lipotoxicity and Mitochondrial Dysfunction. <i>Frontiers in Physiology</i> , 2020, 11, 732.	1.3	29
136	The relationship between inflammation and neurocognitive dysfunction in obstructive sleep apnea syndrome. <i>Journal of Neuroinflammation</i> , 2020, 17, 229.	3.1	84
137	Nutrition, aging, and requirements in the elderly. , 2020, , 83-99.		2
138	The renoprotective effect of diosgenin on aristolochic acid I-induced renal injury in rats: impact on apoptosis, mitochondrial dynamics and autophagy. <i>Food and Function</i> , 2020, 11, 7456-7467.	2.1	16
139	Do female frogs have higher resting metabolic rates than males? A case study with <i>Xenopus aliofraseri</i> . <i>Journal of Zoology</i> , 2020, 312, 221-226.	0.8	7
140	Throwing darts in ICU: how close are we in estimating energy requirements?. <i>Trauma Surgery and Acute Care Open</i> , 2020, 5, e000493.	0.8	1
141	Mitochondrial Dysfunction and Kidney Stone Disease. <i>Frontiers in Physiology</i> , 2020, 11, 566506.	1.3	39
142	A broad diversity in oxygen affinity to haemoglobin. <i>Scientific Reports</i> , 2020, 10, 16920.	1.6	18
143	Metabolic Modeling in Altered Gravity. , 2020, , .		1
144	A Quantitative Proteome Map of the Human Body. <i>Cell</i> , 2020, 183, 269-283.e19.	13.5	243
145	Î±1-Microglobulin (A1M) Protects Human Proximal Tubule Epithelial Cells from Heme-Induced Damage In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5825.	1.8	16
146	Optimization of a neuro-human thermal model using a genetic algorithm. <i>Indoor and Built Environment</i> , 2020, , 1420326X2097519.	1.5	2
147	Ion channels and myogenic activity in retinal arterioles. <i>Current Topics in Membranes</i> , 2020, 85, 187-226.	0.5	8
148	Resting metabolic rate and skeletal muscle SERCA and Na ⁺ /K ⁺ ATPase activities are not affected by fish oil supplementation in healthy older adults. <i>Physiological Reports</i> , 2020, 8, e14408.	0.7	5

#	ARTICLE	IF	CITATIONS
149	Modeling Temperature-Dependent Dermal Absorption and Clearance for Transdermal and Topical Drug Applications. <i>AAPS Journal</i> , 2020, 22, 70.	2.2	13
150	Large Viable Fat Nodules, Months Post-Transfer, inside Radiated Breast Implant Pocket. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2020, 8, e2722.	0.3	1
151	Potential Beneficial Actions of Fucoïdan in Brain and Liver Injury, Disease, and Intoxication—Potential Implication of Sirtuins. <i>Marine Drugs</i> , 2020, 18, 242.	2.2	39
152	Reliability and reproducibility of a four arterial occlusions protocol for assessing muscle oxidative metabolism at rest and after exercise using near-infrared spectroscopy. <i>Physiological Measurement</i> , 2020, 41, 065002.	1.2	6
153	The effect of feeding different sources and levels of selenium on growth performance and antioxidant status of broilers raised at two different temperatures. <i>British Poultry Science</i> , 2020, 61, 669-675.	0.8	9
154	Cardiac foetal reprogramming: a tool to exploit novel treatment targets for the failing heart. <i>Journal of Internal Medicine</i> , 2020, 288, 491-506.	2.7	20
155	Implications of microRNA in kidney metabolic disorders. <i>ExRNA</i> , 2020, 2, .	1.0	2
156	Practical adoption of state-of-the-art hiPSC-cardiomyocyte differentiation techniques. <i>PLoS ONE</i> , 2020, 15, e0230001.	1.1	15
157	Metabolic Factors Determining the Susceptibility to Weight Gain: Current Evidence. <i>Current Obesity Reports</i> , 2020, 9, 121-135.	3.5	13
158	Dã©jã vu All Over Again: A Unitary Biological Mechanism for Intelligence Is (Probably) Untenable. <i>Journal of Intelligence</i> , 2020, 8, 24.	1.3	5
159	Metabolic Communication and Healthy Aging: Where Should We Focus Our Energy?. <i>Developmental Cell</i> , 2020, 54, 196-211.	3.1	55
160	Cardiometabolic Disease and Dysfunction Following Spinal Cord Injury. <i>Physical Medicine and Rehabilitation Clinics of North America</i> , 2020, 31, 415-436.	0.7	22
161	Antioxidant supplements and endurance exercise: Current evidence and mechanistic insights. <i>Redox Biology</i> , 2020, 35, 101471.	3.9	103
162	Cardiac ketone body metabolism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165739.	1.8	64
163	Vitamins and Minerals for Energy, Fatigue and Cognition: A Narrative Review of the Biochemical and Clinical Evidence. <i>Nutrients</i> , 2020, 12, 228.	1.7	183
164	Aging and Caloric Restriction Modulate the DNA Methylation Profile of the Ribosomal RNA Locus in Human and Rat Liver. <i>Nutrients</i> , 2020, 12, 277.	1.7	12
165	Human Brown Adipose Tissue Estimated With Magnetic Resonance Imaging Undergoes Changes in Composition After Cold Exposure: An in vivo MRI Study in Healthy Volunteers. <i>Frontiers in Endocrinology</i> , 2019, 10, 898.	1.5	17
166	Lysosomal Abnormalities in Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 811.	1.8	13

#	ARTICLE	IF	CITATIONS
167	Total Energy Expenditure, Body Composition, Physical Activity, and Step Count in Japanese Preschool Children: A Study Based on Doubly Labeled Water. <i>Nutrients</i> , 2020, 12, 1223.	1.7	6
168	Transcriptome signatures in the brain of a migratory songbird. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020, 34, 100681.	0.4	16
169	Ketones can become the major fuel source for the heart but do not increase cardiac efficiency. <i>Cardiovascular Research</i> , 2021, 117, 1178-1187.	1.8	55
170	Calcium influx through the mitochondrial calcium uniporter holocomplex, MCUcx. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 151, 145-154.	0.9	24
171	Tubular mitochondrial AKT1 is activated during ischemia reperfusion injury and has a critical role in predisposition to chronic kidney disease. <i>Kidney International</i> , 2021, 99, 870-884.	2.6	21
172	Energy metabolism profile of the effects of amino acid treatment on hepatocytes: Phenylalanine and phenylpyruvate inhibit glycolysis of hepatocytes. <i>Nutrition</i> , 2021, 82, 111042.	1.1	21
173	Hypoxia-mediated regulation of mitochondrial transcription factors in renal epithelial cells: implications for hypertensive renal physiology. <i>Hypertension Research</i> , 2021, 44, 154-167.	1.5	3
174	Exercise Interventions Targeting Obesity in Persons With Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2021, 27, 109-120.	0.8	18
175	Tissue-Specific Heteroplasmy Dynamics is Accompanied by a Sharp Drop in mtDNA Copy Number During Development. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
176	Metabolic Crises. , 2021, , 1351-1396.		0
177	Mechanotransduction pathways alter muscle structure and function by post-translational modification of existing sarcomeric proteins to optimize energy usage. <i>Journal of Muscle Research and Cell Motility</i> , 2021, 42, 367-380.	0.9	8
178	Kidney physiology and susceptibility to acute kidney injury: implications for renoprotection. <i>Nature Reviews Nephrology</i> , 2021, 17, 335-349.	4.1	140
179	Transcription of MRPL12 regulated by Nrf2 contributes to the mitochondrial dysfunction in diabetic kidney disease. <i>Free Radical Biology and Medicine</i> , 2021, 164, 329-340.	1.3	17
180	Resting Energy Expenditure: From Cellular to Whole-Body Level, a Mechanistic Historical Perspective. <i>Obesity</i> , 2021, 29, 500-511.	1.5	19
181	The Mitochondrial Carnitine Acyl-carnitine Carrier (SLC25A20): Molecular Mechanisms of Transport, Role in Redox Sensing and Interaction with Drugs. <i>Biomolecules</i> , 2021, 11, 521.	1.8	27
182	Innovations and Emerging Therapies to Combat Renal Cell Damage: NAD ⁺ As a Drug Target. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1449-1466.	2.5	7
183	Resting metabolic rate is increased in hypertensive patients with overweight or obesity: Potential mechanisms. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2021, 31, 1461-1470.	1.3	10
184	Temporal-dependent effects of DNA degradation on frozen tissues archived at ~80°C. <i>Journal of Mammalogy</i> , 2021, 102, 375-383.	0.6	8

#	ARTICLE	IF	CITATIONS
185	Targeting immune cell metabolism in kidney diseases. <i>Nature Reviews Nephrology</i> , 2021, 17, 465-480.	4.1	31
186	Metabolically active and polyploid renal tissues rely on graded cytoprotection to drive developmental and homeostatic stress resilience. <i>Development (Cambridge)</i> , 2021, 148, .	1.2	4
187	A dynamic model of the body gas stores for carbon dioxide, oxygen, and inert gases that incorporates circulatory transport delays to and from the lung. <i>Journal of Applied Physiology</i> , 2021, 130, 1383-1397.	1.2	4
188	Expression of lactate dehydrogenase A and B isoforms in the mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F706-F718.	1.3	18
189	Inflammation and Oxidative Stress in Chronic Kidney Disease and Dialysis Patients. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1426-1448.	2.5	56
190	Endogenous testosterone reduces hepatic lipid accumulation in protein-restricted male rats. <i>Nutrition</i> , 2021, 85, 111130.	1.1	4
191	Effects of Exercise on Resting Metabolic Rate in Adolescents with Overweight and Obesity. <i>Childhood Obesity</i> , 2021, 17, 249-256.	0.8	4
192	A Muscle-Centric Perspective on Intermittent Fasting: A Suboptimal Dietary Strategy for Supporting Muscle Protein Remodeling and Muscle Mass?. <i>Frontiers in Nutrition</i> , 2021, 8, 640621.	1.6	11
193	Testing a dual pathway model of appearance-related commentary in gay men: Appearance contingent self-worth as a moderator. <i>Current Psychology</i> , 0, , 1.	1.7	6
194	Energy expenditure and feeding practices and tolerance during the acute and late phase of critically ill COVID-19 patients. <i>Clinical Nutrition ESPEN</i> , 2021, 43, 383-389.	0.5	29
196	The Molecular Aspect of Nephrolithiasis Development. <i>Cells</i> , 2021, 10, 1926.	1.8	38
197	The Role of Metabolism in Heart Failure and Regeneration. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 702920.	1.1	21
198	Energetic dysfunction in sepsis: a narrative review. <i>Annals of Intensive Care</i> , 2021, 11, 104.	2.2	57
199	Three-dimensional spheroid culture induces apical-basal polarity and the original characteristics of immortalized human renal proximal tubule epithelial cells. <i>Experimental Cell Research</i> , 2021, 404, 112630.	1.2	7
200	Oxygen Deficient (OD) Combustion and Metabolism: Allometric Laws of Organs and Kleiber's Law from OD Metabolism?. <i>Systems</i> , 2021, 9, 54.	1.2	9
201	Daily energy expenditure through the human life course. <i>Science</i> , 2021, 373, 808-812.	6.0	234
202	The Loss of Mitochondrial Quality Control in Diabetic Kidney Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 706832.	1.8	20
203	Metabolic needs of the kidney graft undergoing normothermic machine perfusion. <i>Kidney International</i> , 2021, 100, 301-310.	2.6	15

#	ARTICLE	IF	CITATIONS
204	Control of low flow regions in the cortical vasculature determines optimal arterio-venous ratios. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	5
205	Sirtuin 3 regulates mitochondrial protein acetylation and metabolism in tubular epithelial cells during renal fibrosis. Cell Death and Disease, 2021, 12, 847.	2.7	31
206	Signs of life: Oxygen sensors confirm viability, measure oxygen consumption and provide rapid, effective contamination monitoring for field-based tissue culture. Methods in Ecology and Evolution, 2021, 12, 2410-2420.	2.2	2
207	Muscles proteome analysis; irisin administration mimics some molecular effects of exercise in quadriceps muscle. Biochimie, 2021, 189, 144-157.	1.3	8
208	Mediterranean diet and cognitive function: From methodology to mechanisms of action. Free Radical Biology and Medicine, 2021, 176, 105-117.	1.3	35
209	Sportive lemurs elevate their metabolic rate during challenging seasons and do not enter regular heterothermy. , 2021, 9, coab075.		3
210	Sirtuins as key players in aging and kidney dysfunction. , 2021, , 309-328.		0
211	Sodium-glucose cotransporter 2 inhibition suppresses HIF-1-mediated metabolic switch from lipid oxidation to glycolysis in kidney tubule cells of diabetic mice. Cell Death and Disease, 2020, 11, 390.	2.7	91
213	Near-infrared spectroscopy-derived muscle oxygen saturation on a 0% to 100% scale: reliability and validity of the Moxy Monitor. Journal of Biomedical Optics, 2019, 24, 1.	1.4	59
214	Resting Energy Expenditure in Young Adults Born Preterm—The Helsinki Study of Very Low Birth Weight Adults. PLoS ONE, 2011, 6, e17700.	1.1	20
215	Dynamic brain-body coupling of breath-by-breath O ₂ -CO ₂ exchange ratio with resting state cerebral hemodynamic fluctuations. PLoS ONE, 2020, 15, e0238946.	1.1	8
216	Energy Metabolism and Allocation in Selfish Immune System and Brain: A Beneficial Role of Insulin Resistance in Aging. Food and Nutrition Sciences (Print), 2019, 10, 64-80.	0.2	5
217	Targeting Mitochondria for Therapy of Cardiovascular Disease. , 2019, , 671-686.		0
218	Hyperspectral near-infrared spectroscopy assessment of the brain during hypoperfusion. Journal of Biomedical Optics, 2019, 24, 1.	1.4	9
221	Comparison of anthropometric characteristics between elite singles and doubles badminton players. Gazzetta Medica Italiana Archivio Per Le Scienze Mediche, 2019, 178, .	0.0	0
222	Preferential Partitioning of Rumen-Protected and Fatty Acids into Functionally Different Adipose Tissues. Lipids, 2020, 55, 239-250.	0.7	2
223	Tubular Cell Glucose Metabolism Shift During Acute and Chronic Injuries. Frontiers in Medicine, 2021, 8, 742072.	1.2	25
224	Energy metabolism and requirements in chronic kidney disease. , 2022, , 61-75.		0

#	ARTICLE	IF	CITATIONS
225	Dietary Balance Across the Life Course: An Integrative Approach. SSRN Electronic Journal, 0, , .	0.4	0
226	Hypoxia and oxidative stress: The role of the anaerobic gut, the hepatic arterial buffer response and other defence mechanisms of the liver. World Journal of Meta-analysis, 2020, 8, 78-88.	0.1	1
227	The Role of GDF15 as a Myomitokine. Cells, 2021, 10, 2990.	1.8	52
229	Mechanistic model of mass-specific basal metabolic rate: evaluation in healthy young adults. International Journal of Body Composition Research, 2011, 9, 147.	0.5	7
230	Mitochondrial Dysfunction in Advanced Liver Disease: Emerging Concepts. Frontiers in Molecular Biosciences, 2021, 8, 772174.	1.6	9
231	NAD ⁺ Metabolism in Cardiac Health, Aging, and Disease. Circulation, 2021, 144, 1795-1817.	1.6	64
232	Dephosphorylation of AMP-activated protein kinase exacerbates ischemia/reperfusion-induced acute kidney injury via mitochondrial dysfunction. Kidney International, 2022, 101, 315-330.	2.6	46
233	Renoprotective Role of Hypoxia-Inducible Factors and the Mechanism. Kidney Diseases (Basel,) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10 1.2 4	1.2	4
234	Mitochondrial Bioenergetic and Proteomic Phenotyping Reveals Organ-Specific Consequences of Chronic Kidney Disease in Mice. Cells, 2021, 10, 3282.	1.8	13
235	Substrate-dependent differential regulation of mitochondrial bioenergetics in the heart and kidney cortex and outer medulla. Biochimica Et Biophysica Acta - Bioenergetics, 2022, 1863, 148518.	0.5	10
236	The role of mitochondria in the pathophysiology of schizophrenia: A critical review of the evidence focusing on mitochondrial complex one. Neuroscience and Biobehavioral Reviews, 2022, 132, 449-464.	2.9	11
237	Determining the factors affecting energy metabolism and energy requirement in cancer patients. Journal of Research in Medical Sciences, 2021, 26, 124.	0.4	4
238	Expanding the Gap: An Updated Look Into Sex Differences in Running Performance. Frontiers in Physiology, 2021, 12, 804149.	1.3	11
239	Beat-to-beat dynamic regulation of intracellular pH in cardiomyocytes. IScience, 2022, 25, 103624.	1.9	4
240	Obesity history, physical exam, laboratory, body composition, and energy expenditure: An Obesity Medicine Association (OMA) Clinical Practice Statement (CPS) 2022. , 2022, 1, 100007.		14
241	Overexpression of NDUFV1 alleviates renal damage by improving mitochondrial function in unilateral ureteral obstruction model mice. Cell Biology International, 2022, 46, 381-390.	1.4	4
243	Harnessing reactive oxygen/nitrogen species and inflammation: Nanodrugs for liver injury. Materials Today Bio, 2022, 13, 100215.	2.6	29
244	Mitochondrial Pathophysiology on Chronic Kidney Disease. International Journal of Molecular Sciences, 2022, 23, 1776.	1.8	28

#	ARTICLE	IF	CITATIONS
245	Spatially resolved isotope tracing reveals tissue metabolic activity. <i>Nature Methods</i> , 2022, 19, 223-230.	9.0	67
246	Tissue losses and metabolic adaptations both contribute to the reduction in resting metabolic rate following weight loss. <i>International Journal of Obesity</i> , 2022, 46, 1168-1175.	1.6	10
247	The Use of Hemoglobin-Based Oxygen Carriers in Ex Vivo Machine Perfusion of Donor Organs for Transplantation. <i>ASAIO Journal</i> , 2022, 68, 461-470.	0.9	4
249	Renoprotective potential of myoinositol on diabetic kidney disease: Focus on the role of the PINK1/Parkin pathway and mitophagy receptors. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, e23032.	1.4	9
250	Obese individuals do not underreport dietary intake to a greater extent than nonobese individuals when data are allometrically scaled. <i>American Journal of Human Biology</i> , 2022, 34, e23743.	0.8	8
251	ZLN005 Alleviates In Vivo and In Vitro Renal Fibrosis via PGC-1 β -Mediated Mitochondrial Homeostasis. <i>Pharmaceuticals</i> , 2022, 15, 434.	1.7	6
252	Mitochondria as mediators of systemic inflammation and organ cross talk in acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 322, F589-F596.	1.3	11
253	A proof of concept study on real-time LiMax CYP1A2 liver function assessment of donor grafts during normothermic machine perfusion. <i>Scientific Reports</i> , 2021, 11, 23444.	1.6	10
254	Cardiac myocyte intrinsic contractility and calcium handling deficits underlie heart organ dysfunction in murine cancer cachexia. <i>Scientific Reports</i> , 2021, 11, 23627.	1.6	5
256	Hypothesis: Enhanced glucose availability and insulin resistance enhances an activated immune system and accounts for the obesity paradox. <i>Clinical Obesity</i> , 2022, 12, e12521.	1.1	2
269	Tissue Drug Concentration. <i>Current Pharmaceutical Design</i> , 2022, 28, 1109-1123.	0.9	3
270	An integrative approach to dietary balance across the life course. <i>IScience</i> , 2022, 25, 104315.	1.9	14
271	Regulation of kidney mitochondrial function by caloric restriction. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 323, F92-F106.	1.3	4
272	Declining metabolic scaling parallels an ontogenetic change from elongate to deep-bodied shapes in juvenile Brown trout. <i>Environmental Epigenetics</i> , 0, , .	0.9	3
274	3D Bioprinting of Prevascularized Full-Thickness Gelatin-Alginate Structures with Embedded Co-Cultures. <i>Bioengineering</i> , 2022, 9, 242.	1.6	6
275	Logic of the temporal compartmentalization of the hepatic metabolic cycle. <i>Physiology</i> , 0, , .	1.6	1
276	Cardiac Remodeling in Cancer-Induced Cachexia: Functional, Structural, and Metabolic Contributors. <i>Cells</i> , 2022, 11, 1931.	1.8	5
277	Changes in 24h energy expenditure, substrate oxidation, and body composition following resistance exercise and a high protein diet via whey protein supplementation in healthy older men. <i>Physiological Reports</i> , 2022, 10, .	0.7	1

#	ARTICLE	IF	CITATIONS
278	Multiomics reveal the central role of pentose phosphate pathway in resident thymic macrophages to cope with efferocytosis-associated stress. <i>Cell Reports</i> , 2022, 40, 111065.	2.9	8
279	Associations between local acidosis induced by renal LDHA and renal fibrosis and mitochondrial abnormalities in patients with diabetic kidney disease. <i>Translational Research</i> , 2022, 249, 88-109.	2.2	8
280	Metabolic Regulation of Cardiac Regeneration. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	4
281	Immunometabolic rewiring of tubular epithelial cells in kidney disease. <i>Nature Reviews Nephrology</i> , 2022, 18, 588-603.	4.1	32
282	Dietary nitrate and brain health. Too much ado about nothing or a solution for dementia prevention?. <i>British Journal of Nutrition</i> , 2022, 128, 1130-1136.	1.2	3
283	Thirty Obesity Myths, Misunderstandings, and/or Oversimplifications: An Obesity Medicine Association (OMA) Clinical Practice Statement (CPS) 2022. , 2022, 3, 100034.		14
284	Could SGLT2 Inhibitors Improve Exercise Intolerance in Chronic Heart Failure?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8631.	1.8	7
285	Cancer cachexia: Pathophysiology and association with cancer-related pain. <i>Frontiers in Pain Research</i> , 0, 3, .	0.9	11
286	A Step-Wise Multiple Testing for Linear Regression Models with Application to the Study of Resting Energy Expenditure. <i>Statistics in Biosciences</i> , 0, , .	0.6	0
288	Pro-inflammatory Markers of Environmental Toxicants. <i>Biomarkers in Disease</i> , 2022, , 1-20.	0.0	0
289	Metabolic reprogramming: A novel therapeutic target in diabetic kidney disease. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	1
290	Renal involvement is frequent in adults with primary mitochondrial disorders: an observational study. <i>CKJ: Clinical Kidney Journal</i> , 2023, 16, 100-110.	1.4	1
291	Transcriptional regulation of proximal tubular metabolism in acute kidney injury. <i>Pediatric Nephrology</i> , 2023, 38, 975-986.	0.9	4
292	Epigallocatechin-3-gallate Mo nanoparticles (EGM NPs) efficiently treat liver injury by strongly reducing oxidative stress, inflammation and endoplasmic reticulum stress. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	2
293	Association between skeletal muscle mass or percent body fat and metabolic syndrome development in Japanese women: A 7-year prospective study. <i>PLoS ONE</i> , 2022, 17, e0263213.	1.1	3
294	A new LKB1 activator, piericidin analogue S14, retards renal fibrosis through promoting autophagy and mitochondrial homeostasis in renal tubular epithelial cells. <i>Theranostics</i> , 2022, 12, 7158-7179.	4.6	10
295	Sex Differences of Cardiolipin in Tissue Distribution Based on Targeted Lipidomic Analysis by UHPLC-QTOF-MS/MS. <i>Molecules</i> , 2022, 27, 6988.	1.7	2
297	Podocytopathy: The role of actin cytoskeleton. <i>Biomedicine and Pharmacotherapy</i> , 2022, 156, 113920.	2.5	6

#	ARTICLE	IF	CITATIONS
298	The energetic cost of allostasis and allostatic load. <i>Psychoneuroendocrinology</i> , 2022, 146, 105951.	1.3	31
299	Mitochondrial Contribution to Inflammation in Diabetic Kidney Disease. <i>Cells</i> , 2022, 11, 3635.	1.8	7
300	Mitochondria as a toxicological target for fungicides. , 2023, , 493-526.		0
301	Paying the brain's energy bill. <i>Current Opinion in Neurobiology</i> , 2023, 78, 102668.	2.0	12
302	Age-associated alterations of brain mitochondria energetics. <i>Biochemical and Biophysical Research Communications</i> , 2023, 643, 1-7.	1.0	2
303	Exercise and mitochondrial remodeling to prevent age-related neurodegeneration. <i>Journal of Applied Physiology</i> , 2023, 134, 181-189.	1.2	5
304	Functional divergence of teleost carbonic anhydrase 4. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2023, 277, 111368.	0.8	0
305	Oxidative Stress and Mitochondrial Dysfunction in Chronic Kidney Disease. <i>Cells</i> , 2023, 12, 88.	1.8	26
306	The Journey of Mitochondrial Protein Import and the Roadmap to Follow. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2479.	1.8	5
307	Pro-inflammatory Markers of Environmental Toxicants. <i>Biomarkers in Disease</i> , 2023, , 157-176.	0.0	1
309	Regulation of metabolism by the autonomic nervous system. , 2023, , 263-266.		0
310	Acute effect of propranolol on resting energy expenditure in hyperthyroid patients. <i>Frontiers in Endocrinology</i> , 0, 13, .	1.5	1
311	Estimating Energy Requirements. , 2023, , 291-328.		0
312	The role of lipotoxicity in kidney disease: From molecular mechanisms to therapeutic prospects. <i>Biomedicine and Pharmacotherapy</i> , 2023, 161, 114465.	2.5	4
313	Macronutrients, minerals, vitamins and energy. <i>Anaesthesia and Intensive Care Medicine</i> , 2023, 24, 134-138.	0.1	1
314	Inflammation, dysregulated iron metabolism, and cardiovascular disease. <i>Frontiers in Aging</i> , 0, 4, .	1.2	3
315	A Comparative Study on the Effect of Euthanasia Methods and Sample Storage Conditions on RNA Yield and Quality in Porcine Tissues. <i>Animals</i> , 2023, 13, 698.	1.0	1
316	Comparative analysis of thyroid hormone systems in rodents with subterranean lifestyle. <i>Scientific Reports</i> , 2023, 13, .	1.6	2

#	ARTICLE	IF	CITATIONS
317	A major mechanism for immunomodulation: Dietary fibres and acid metabolites. <i>Seminars in Immunology</i> , 2023, 66, 101737.	2.7	15
318	Tissue-specific heteroplasmy segregation is accompanied by a sharp mtDNA decline in <i>Caenorhabditis elegans</i> soma. <i>IScience</i> , 2023, 26, 106349.	1.9	0
319	The fire of evolution: energy expenditure and ecology in primates and other endotherms. <i>Journal of Experimental Biology</i> , 2023, 226, .	0.8	3
320	Two novel models evaluating the determinants of resting metabolic rate in Indian children. <i>Human Biology and Public Health</i> , 0, 3, .	0.0	1
322	Effects of Different Storage Conditions on Lipid Stability in Mice Tissue Homogenates. <i>Metabolites</i> , 2023, 13, 504.	1.3	4
323	Metabolic Inheritance and the Competition for Calories between Mother and Fetus. <i>Metabolites</i> , 2023, 13, 545.	1.3	1
332	Meten en berekenen van het energiegebruik. , 2023, , 237-250.		0
337	Contribution of the Antiepileptic Drug Administration Regime to Avoid the Development and/or Establishment of Pharmacoresistant Epilepsy. , 2023, , 157-176.		0
350	Construction and Mathematical Modeling of a Prototype for a Body Heat Transfer System Relying on Focused Blood Flow Through a Wearable Accessory. , 2023, , .		0