

# Jaap Keijer

## List of Publications by Citations

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

187  
papers

6,593  
citations

42  
h-index

74  
g-index

196  
ext. papers

7,529  
ext. citations

5.2  
avg. IF

5.81  
L-index

#	Paper	IF	Citations
187	Diet-Independent Correlations between Bacteria and Dysfunction of Gut, Adipose Tissue, and Liver: A Comprehensive Microbiota Analysis in Feces and Mucosa of the Ileum and Colon in Obese Mice with NAFLD. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 20,	6.3	545
186	Tissue distribution of quercetin in rats and pigs. <i>Journal of Nutrition</i> , <b>2005</b> , 135, 1718-25	4.1	340
185	Polyunsaturated fatty acids of marine origin upregulate mitochondrial biogenesis and induce beta-oxidation in white fat. <i>Diabetologia</i> , <b>2005</b> , 48, 2365-75	10.3	292
184	The secretory function of adipocytes in the physiology of white adipose tissue. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 216, 3-13	7	222
183	Mitochondrial (dys)function in adipocyte (de)differentiation and systemic metabolic alterations. <i>American Journal of Pathology</i> , <b>2009</b> , 175, 927-39	5.8	176
182	The application of DNA microarrays in gene expression analysis. <i>Journal of Biotechnology</i> , <b>2000</b> , 78, 271-80	3.9	171
181	Rapid yeast estrogen bioassays stably expressing human estrogen receptors alpha and beta, and green fluorescent protein: a comparison of different compounds with both receptor types. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2004</b> , 91, 99-109	5.1	154
180	Skeletal muscle mitochondrial uncoupling drives endocrine cross-talk through the induction of FGF21 as a myokine. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E469-82	6	139
179	Concepts for further sustainable production of foods. <i>Journal of Food Engineering</i> , <b>2016</b> , 168, 42-51	6	132
178	SIRT1 stimulation by polyphenols is affected by their stability and metabolism. <i>Mechanisms of Ageing and Development</i> , <b>2006</b> , 127, 618-27	5.6	131
177	Host-related factors explaining interindividual variability of carotenoid bioavailability and tissue concentrations in humans. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600685	5.9	129
176	Not so hot: Optimal housing temperatures for mice to mimic the thermal environment of humans. <i>Molecular Metabolism</i> , <b>2012</b> , 2, 5-9	8.8	124
175	Functional relationship between obesity and male reproduction: from humans to animal models. <i>Human Reproduction Update</i> , <b>2011</b> , 17, 667-83	15.8	123
174	Challenging homeostasis to define biomarkers for nutrition related health. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 795-804	5.9	121
173	Beta-carotene reduces body adiposity of mice via BCMO1. <i>PLoS ONE</i> , <b>2011</b> , 6, e20644	3.7	111
172	Supplementation of healthy volunteers with nutritionally relevant amounts of selenium increases the expression of lymphocyte protein biosynthesis genes. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 87, 181-9	7	93
171	Four selenoproteins, protein biosynthesis, and Wnt signalling are particularly sensitive to limited selenium intake in mouse colon. <i>Molecular Nutrition and Food Research</i> , <b>2009</b> , 53, 1561-72	5.9	91

170	Biomarkers of Nutrition and Health: New Tools for New Approaches. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	85
169	Development of a rapid yeast estrogen bioassay, based on the expression of green fluorescent protein. <i>Gene</i> , <b>2004</b> , 325, 187-200	3.8	84
168	HIF and reactive oxygen species regulate oxidative phosphorylation in cancer. <i>Carcinogenesis</i> , <b>2008</b> , 29, 1528-37	4.6	74
167	The intraclass correlation coefficient applied for evaluation of data correction, labeling methods, and rectal biopsy sampling in DNA microarray experiments. <i>Physiological Genomics</i> , <b>2003</b> , 16, 99-106	3.6	74
166	Differential gene expression in white and brown preadipocytes. <i>Physiological Genomics</i> , <b>2001</b> , 7, 15-25	3.6	63
165	Direct comparison of metabolic health effects of the flavonoids quercetin, hesperetin, epicatechin, apigenin and anthocyanins in high-fat-diet-fed mice. <i>Genes and Nutrition</i> , <b>2015</b> , 10, 469	4.3	62
164	Peripheral blood mononuclear cells as a model to study the response of energy homeostasis-related genes to acute changes in feeding conditions. <i>OMICS A Journal of Integrative Biology</i> , <b>2010</b> , 14, 129-41	3.8	60
163	Alterations in hepatic one-carbon metabolism and related pathways following a high-fat dietary intervention. <i>Physiological Genomics</i> , <b>2011</b> , 43, 408-16	3.6	59
162	Omega-3 phospholipids from fish suppress hepatic steatosis by integrated inhibition of biosynthetic pathways in dietary obese mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2014</b> , 1841, 267-78	5	57
161	Uptake and metabolism of enterolactone and enterodiol by human colon epithelial cells. <i>Archives of Biochemistry and Biophysics</i> , <b>2005</b> , 435, 74-82	4.1	55
160	Quercetin induces hepatic lipid omega-oxidation and lowers serum lipid levels in mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e51588	3.7	55
159	Induction of lipid oxidation by polyunsaturated fatty acids of marine origin in small intestine of mice fed a high-fat diet. <i>BMC Genomics</i> , <b>2009</b> , 10, 110	4.5	54
158	beta-Carotene conversion products and their effects on adipose tissue. <i>Genes and Nutrition</i> , <b>2009</b> , 4, 179-87	4.3	54
157	Absence of an adipogenic effect of rosiglitazone on mature 3T3-L1 adipocytes: increase of lipid catabolism and reduction of adipokine expression. <i>Diabetologia</i> , <b>2007</b> , 50, 654-65	10.3	54
156	Beta-carotene metabolites enhance inflammation-induced oxidative DNA damage in lung epithelial cells. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 46, 299-304	7.8	53
155	Preservation of metabolic flexibility in skeletal muscle by a combined use of n-3 PUFA and rosiglitazone in dietary obese mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e43764	3.7	51
154	Chronic quercetin exposure affects fatty acid catabolism in rat lung. <i>Cellular and Molecular Life Sciences</i> , <b>2006</b> , 63, 2847-58	10.3	50
153	Folic acid and vitamin B-12 supplementation does not favorably influence uracil incorporation and promoter methylation in rectal mucosa DNA of subjects with previous colorectal adenomas. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 2114-20	4.1	48

152	Muscle mitohormesis promotes cellular survival via serine/glycine pathway flux. <i>FASEB Journal</i> , <b>2015</b> , 29, 1314-28	0.9	47
151	Short-term, high fat feeding-induced changes in white adipose tissue gene expression are highly predictive for long-term changes. <i>Molecular Nutrition and Food Research</i> , <b>2013</b> , 57, 1423-34	5.9	45
150	Beta-carotene affects oxidative stress-related DNA damage in lung epithelial cells and in ferret lung. <i>Carcinogenesis</i> , <b>2009</b> , 30, 2070-6	4.6	45
149	Stable reporter cell lines for peroxisome proliferator-activated receptor $\alpha$ (PPAR $\alpha$ )-mediated modulation of gene expression. <i>Analytical Biochemistry</i> , <b>2011</b> , 414, 77-83	3.1	44
148	Deconjugation kinetics of glucuronidated phase II flavonoid metabolites by beta-glucuronidase from neutrophils. <i>Drug Metabolism and Pharmacokinetics</i> , <b>2010</b> , 25, 379-87	2.2	44
147	The circulating PBEF/NAMPT/visfatin level is associated with a beneficial blood lipid profile. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2007</b> , 454, 971-6	4.6	43
146	The challenges for molecular nutrition research 2: quantification of the nutritional phenotype. <i>Genes and Nutrition</i> , <b>2008</b> , 3, 51-9	4.3	43
145	Muscle mitochondrial stress adaptation operates independently of endogenous FGF21 action. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 79-90	8.8	41
144	Gene expression profiling of adipose tissue: individual, depot-dependent, and sex-dependent variabilities. <i>Nutrition</i> , <b>2004</b> , 20, 115-20	4.8	41
143	Heterogeneity in electrophoretic karyotype within and between anastomosis groups of <i>Rhizoctonia solani</i> . <i>Mycological Research</i> , <b>1996</b> , 100, 789-797		41
142	Supplemental calcium attenuates the colitis-related increase in diarrhea, intestinal permeability, and extracellular matrix breakdown in HLA-B27 transgenic rats. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 1525-33	4.1	40
141	Impaired barrier function by dietary fructo-oligosaccharides (FOS) in rats is accompanied by increased colonic mitochondrial gene expression. <i>BMC Genomics</i> , <b>2008</b> , 9, 144	4.5	40
140	Dietary folate intake in combination with MTHFR C677T genotype and promoter methylation of tumor suppressor and DNA repair genes in sporadic colorectal adenomas. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2007</b> , 16, 327-33	4	40
139	What is the best housing temperature to translate mouse experiments to humans?. <i>Molecular Metabolism</i> , <b>2019</b> , 25, 168-176	8.8	38
138	A framework to identify physiological responses in microarray-based gene expression studies: selection and interpretation of biologically relevant genes. <i>Physiological Genomics</i> , <b>2008</b> , 33, 78-90	3.6	38
137	Nutrigenomic approaches for benefit-risk analysis of foods and food components: defining markers of health. <i>British Journal of Nutrition</i> , <b>2007</b> , 98, 1095-100	3.6	38
136	Effects of a high-fat, low- versus high-glycemic index diet: retardation of insulin resistance involves adipose tissue modulation. <i>FASEB Journal</i> , <b>2009</b> , 23, 1092-101	0.9	36
135	Intra- and interindividual variation in gene expression in human adipose tissue. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2007</b> , 453, 851-61	4.6	36

134	β-Carotene in the human body: metabolic bioactivation pathways - from digestion to tissue distribution and excretion. <i>Proceedings of the Nutrition Society</i> , <b>2019</b> , 78, 68-87	2.9	36
133	Effects of a wide range of dietary nicotinamide riboside (NR) concentrations on metabolic flexibility and white adipose tissue (WAT) of mice fed a mildly obesogenic diet. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600878	5.9	35
132	Dietary restriction of mice on a high-fat diet induces substrate efficiency and improves metabolic health. <i>Journal of Molecular Endocrinology</i> , <b>2011</b> , 47, 81-97	4.5	34
131	Feeding conditions control the expression of genes involved in sterol metabolism in peripheral blood mononuclear cells of normoweight and diet-induced (cafeteria) obese rats. <i>Journal of Nutritional Biochemistry</i> , <b>2010</b> , 21, 1127-33	6.3	34
130	Preantral follicular atresia occurs mainly through autophagy, while antral follicles degenerate mostly through apoptosis. <i>Biology of Reproduction</i> , <b>2018</b> , 99, 853-863	3.9	34
129	Mitochondrial dysfunction in primary human fibroblasts triggers an adaptive cell survival program that requires AMPK. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2015</b> , 1852, 529-40	6.9	33
128	Gene expression response of the rat small intestine following oral Salmonella infection. <i>Physiological Genomics</i> , <b>2007</b> , 30, 123-33	3.6	32
127	Factors influencing cDNA microarray hybridization on silylated glass slides. <i>Analytical Biochemistry</i> , <b>2002</b> , 308, 5-17	3.1	32
126	Adipose gene expression patterns of weight gain suggest counteracting steroid hormone synthesis. <i>Obesity</i> , <b>2005</b> , 13, 1031-41		31
125	Mitochondrial dynamics in cancer-induced cachexia. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2018</b> , 1870, 137-150	11.2	29
124	Induction of peroxisome proliferator-activated receptor (PPAR)-mediated gene expression by tomato ( <i>Solanum lycopersicum</i> L.) extracts. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 3419-27	5.7	29
123	Mitochondrial ATP Depletion Disrupts Caco-2 Monolayer Integrity and Internalizes Claudin 7. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 794	4.6	28
122	Transcriptome analysis in benefit-risk assessment of micronutrients and bioactive food components. <i>Molecular Nutrition and Food Research</i> , <b>2010</b> , 54, 240-8	5.9	28
121	Salmonella induces prominent gene expression in the rat colon. <i>BMC Microbiology</i> , <b>2007</b> , 7, 84	4.5	28
120	The Molecular and Physiological Effects of Protein-Derived Polyamines in the Intestine. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	27
119	Marginal selenium deficiency down-regulates inflammation-related genes in splenic leukocytes of the mouse. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 1170-7	6.3	27
118	Adipose tissue failure and mitochondria as a possible target for improvement by bioactive food components. <i>Current Opinion in Lipidology</i> , <b>2008</b> , 19, 4-10	4.4	27
117	Mucosal pentraxin (Mptx), a novel rat gene 10-fold down-regulated in colon by dietary heme. <i>FASEB Journal</i> , <b>2003</b> , 17, 1277-85	0.9	27

116	BIOCLAIMS standard diet (BIOsd): a reference diet for nutritional physiology. <i>Genes and Nutrition</i> , <b>2012</b> , 7, 399-404	4.3	26
115	Peripheral blood mononuclear cells as a source to detect markers of homeostatic alterations caused by the intake of diets with an unbalanced macronutrient composition. <i>Journal of Nutritional Biochemistry</i> , <b>2015</b> , 26, 398-407	6.3	25
114	Effects of dietary history on energy metabolism and physiological parameters in C57BL/6J mice. <i>Experimental Physiology</i> , <b>2013</b> , 98, 1053-62	2.4	25
113	Knockout of the Bcmo1 gene results in an inflammatory response in female lung, which is suppressed by dietary beta-carotene. <i>Cellular and Molecular Life Sciences</i> , <b>2010</b> , 67, 2039-56	10.3	24
112	Nutrient-gene interactions in benefit-risk analysis. <i>British Journal of Nutrition</i> , <b>2006</b> , 95, 1232-6	3.6	24
111	The effect of endurance exercise on intestinal integrity in well-trained healthy men. <i>Physiological Reports</i> , <b>2016</b> , 4, e12994	2.6	23
110	Combined Treatment with L-Carnitine and Nicotinamide Riboside Improves Hepatic Metabolism and Attenuates Obesity and Liver Steatosis. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	21
109	Adaptation of exercise-induced stress in well-trained healthy young men. <i>Experimental Physiology</i> , <b>2017</b> , 102, 86-99	2.4	21
108	Nutraceutical oleuropein supplementation prevents high fat diet-induced adiposity in mice. <i>Journal of Functional Foods</i> , <b>2015</b> , 14, 702-715	5.1	21
107	Long-term intake of a high-protein diet increases liver triacylglycerol deposition pathways and hepatic signs of injury in rats. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 46, 39-48	6.3	20
106	Mito-Nuclear Communication by Mitochondrial Metabolites and Its Regulation by B-Vitamins. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 78	4.6	20
105	Bioactive food components, cancer cell growth limitation and reversal of glycolytic metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2011</b> , 1807, 697-706	4.6	20
104	Mating type-correlated molecular markers and demonstration of heterokaryosis in the phytopathogenic fungus <i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> ) AG 1-IC by AFLP DNA fingerprinting analysis. <i>Journal of Biotechnology</i> , <b>1999</b> , 67, 49-56	3.7	20
103	A Difference in Fatty Acid Composition of Isocaloric High-Fat Diets Alters Metabolic Flexibility in Male C57BL/6JOLA <sup>Hsd</sup> Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128515	3.7	20
102	High folic acid increases cell turnover and lowers differentiation and iron content in human HT29 colon cancer cells. <i>British Journal of Nutrition</i> , <b>2008</b> , 99, 703-8	3.6	19
101	Assessment of metabolic flexibility of old and adult mice using three noninvasive, indirect calorimetry-based treatments. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2015</b> , 70, 282-93	6.4	17
100	Presence of anti-Müllerian hormone (AMH) during follicular development in the porcine ovary. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197894	3.7	17
99	Adipose tissue metabolism and inflammation are differently affected by weight loss in obese mice due to either a high-fat diet restriction or change to a low-fat diet. <i>Genes and Nutrition</i> , <b>2014</b> , 9, 391	4.3	17

98	Detection of peanut allergen in human blood after consumption of peanuts is skewed by endogenous immunoglobulins. <i>Journal of Immunological Methods</i> , <b>2017</b> , 440, 52-57	2.5	17
97	Adipose gene expression response of lean and obese mice to short-term dietary restriction. <i>Obesity</i> , <b>2006</b> , 14, 974-9	8	17
96	Gene expression in chicken reveals correlation with structural genomic features and conserved patterns of transcription in the terrestrial vertebrates. <i>PLoS ONE</i> , <b>2010</b> , 5, e11990	3.7	17
95	Non-invasive continuous real-time in vivo analysis of microbial hydrogen production shows adaptation to fermentable carbohydrates in mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 15351	4.9	17
94	In vivo assessment of muscle mitochondrial function in healthy, young males in relation to parameters of aerobic fitness. <i>European Journal of Applied Physiology</i> , <b>2019</b> , 119, 1799-1808	3.4	16
93	Dietary-Induced Chronic Hypothyroidism Negatively Affects Rat Follicular Development and Ovulation Rate and Is Associated with Oxidative Stress. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 90	3.9	16
92	Blood cells transcriptomics as source of potential biomarkers of articular health improvement: effects of oral intake of a rooster combs extract rich in hyaluronic acid. <i>Genes and Nutrition</i> , <b>2014</b> , 9, 417-43	4.3	15
91	Endurance Exercise Increases Intestinal Uptake of the Peanut Allergen Ara h 6 after Peanut Consumption in Humans. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	15
90	Thermoneutrality results in prominent diet-induced body weight differences in C57BL/6J mice, not paralleled by diet-induced metabolic differences. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 799-807	5.9	15
89	Prolonged hypothyroidism severely reduces ovarian follicular reserve in adult rats. <i>Journal of Ovarian Research</i> , <b>2017</b> , 10, 19	5.5	14
88	Insulin sensitivity linked skeletal muscle Nr4a1 DNA methylation is programmed by the maternal diet and modulated by voluntary exercise in mice. <i>Journal of Nutritional Biochemistry</i> , <b>2018</b> , 57, 86-92	6.3	14
87	High Dose of Dietary Nicotinamide Riboside Induces Glucose Intolerance and White Adipose Tissue Dysfunction in Mice Fed a Mildly Obesogenic Diet. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	14
86	Cold exposure down-regulates immune response pathways in ferret aortic perivascular adipose tissue. <i>Thrombosis and Haemostasis</i> , <b>2017</b> , 117, 981-991	7	14
85	Beta-carotene affects gene expression in lungs of male and female Bcmo1 (-/-) mice in opposite directions. <i>Cellular and Molecular Life Sciences</i> , <b>2011</b> , 68, 489-504	10.3	14
84	Assessment of representational difference analysis (RDA) to construct informative cDNA microarrays for gene expression analysis of species with limited transcriptome information, using red and green tomatoes as a model. <i>Journal of Plant Physiology</i> , <b>2007</b> , 164, 337-49	3.6	14
83	Muscle Toxicity of Drugs: When Drugs Turn Physiology into Pathophysiology. <i>Physiological Reviews</i> , <b>2020</b> , 100, 633-672	47.9	14
82	Mechanistic aspects of carotenoid health benefits - where are we now?. <i>Nutrition Research Reviews</i> , <b>2021</b> , 34, 276-302	7	14
81	Quercetin tests negative for genotoxicity in transcriptome analyses of liver and small intestine of mice. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 81, 34-39	4.7	13

80	Severe riboflavin deficiency induces alterations in the hepatic proteome of starter Pekin ducks. <i>British Journal of Nutrition</i> , <b>2017</b> , 118, 641-650	3.6	13
79	Metabolic Response of Visceral White Adipose Tissue of Obese Mice Exposed for 5 Days to Human Room Temperature Compared to Mouse Thermoneutrality. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 179	4.6	13
78	Gene expression response of mouse lung, liver and white adipose tissue to $\beta$ -carotene supplementation, knockout of Bcmo1 and sex. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 1466-74	5.9	13
77	Downregulation of Fzd6 and Cthrc1 and upregulation of olfactory receptors and protocadherins by dietary beta-carotene in lungs of Bcmo1 <sup>-/-</sup> mice. <i>Carcinogenesis</i> , <b>2010</b> , 31, 1329-37	4.6	13
76	Beta-carotene and the application of transcriptomics in risk-benefit evaluation of natural dietary components. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2005</b> , 1740, 139-46	6.9	13
75	Free fatty acid release from vegetable and bovine milk fat-based infant formulas and human milk during two-phase in vitro digestion. <i>Food and Function</i> , <b>2019</b> , 10, 2102-2113	6.1	12
74	Interference of flavonoids with enzymatic assays for the determination of free fatty acid and triglyceride levels. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 1389-92	4.4	12
73	Integration of risk and benefit analysis-the window of benefit as a new tool?. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2009</b> , 49, 670-80	11.5	12
72	Individual variation of adipose gene expression and identification of covariated genes by cDNA microarrays. <i>Physiological Genomics</i> , <b>2002</b> , 11, 31-6	3.6	12
71	Dynamic changes in energy metabolism upon embryonic stem cell differentiation support developmental toxicant identification. <i>Toxicology</i> , <b>2014</b> , 324, 76-87	4.4	11
70	Effects of chocolate supplementation on metabolic and cardiovascular parameters in ApoE3L mice fed a high-cholesterol atherogenic diet. <i>Molecular Nutrition and Food Research</i> , <b>2013</b> , 57, 2039-48	5.9	11
69	Ileal mucosal and fecal pancreatitis associated protein levels reflect severity of salmonella infection in rats. <i>Digestive Diseases and Sciences</i> , <b>2009</b> , 54, 2588-97	4	11
68	Glycemic index differences of high-fat diets modulate primarily lipid metabolism in murine adipose tissue. <i>Physiological Genomics</i> , <b>2011</b> , 43, 942-9	3.6	11
67	Nuclear behavior in homokaryotic and heterokaryotic fruiting of <i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> ) anastomosis group 1, subgroup IC. <i>Mycologia</i> , <b>1997</b> , 89, 361-374	2.4	11
66	Human intestinal and lung cell lines exposed to beta-carotene show a large variation in intracellular levels of beta-carotene and its metabolites. <i>Archives of Biochemistry and Biophysics</i> , <b>2005</b> , 439, 32-41	4.1	11
65	The MemTrax Test Compared to the Montreal Cognitive Assessment Estimation of Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 67, 1045-1054	4.3	11
64	Omega-3 Phospholipids from Krill Oil Enhance Intestinal Fatty Acid Oxidation More Effectively than Omega-3 Triacylglycerols in High-Fat Diet-Fed Obese Mice. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	10
63	Early differences in metabolic flexibility between obesity-resistant and obesity-prone mice. <i>Biochimie</i> , <b>2016</b> , 124, 163-170	4.6	10



62	Maternal Circulating Vitamin Status and Colostrum Vitamin Composition in Healthy Lactating Women-A Systematic Approach. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	10
61	Follicular development of sows at weaning in relation to estimated breeding value for within-litter variation in piglet birth weight. <i>Animal</i> , <b>2019</b> , 13, 554-563	3.1	10
60	Role of Frizzled6 in the molecular mechanism of beta-carotene action in the lung. <i>Toxicology</i> , <b>2014</b> , 320, 67-73	4.4	10
59	Dietary modulation and structure prediction of rat mucosal pentraxin (Mptx) protein and loss of function in humans. <i>Genes and Nutrition</i> , <b>2007</b> , 2, 275-85	4.3	9
58	In vivo assessment of mitochondrial capacity using NIRS in locomotor muscles of young and elderly males with similar physical activity levels. <i>GeroScience</i> , <b>2020</b> , 42, 299-310	8.9	9
57	White adipose tissue reference network: a knowledge resource for exploring health-relevant relations. <i>Genes and Nutrition</i> , <b>2015</b> , 10, 439	4.3	8
56	Reprogrammed metabolism of cancer cells as a potential therapeutic target. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 2580-94	3.3	8
55	Body Weight Cycling with Identical Diet Composition Does Not Affect Energy Balance and Has No Adverse Effect on Metabolic Health Parameters. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	7
54	No Adverse Programming by Post-Weaning Dietary Fructose of Body Weight, Adiposity, Glucose Tolerance, or Metabolic Flexibility. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, 1700315	5.9	7
53	Application of Volatile Organic Compound Analysis in a Nutritional Intervention Study: Differential Responses during Five Hours Following Consumption of a High- and a Low-Fat Dairy Drink. <i>Molecular Nutrition and Food Research</i> , <b>2019</b> , 63, e1900189	5.9	7
52	Complex regulation of mucosal pentraxin (Mptx) revealed by discrete micro-anatomical locations in colon. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2006</b> , 1762, 844-8	6.9	7
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43	Propionate hampers differentiation and modifies histone propionylation and acetylation in skeletal muscle cells. <i>Mechanisms of Ageing and Development</i> , <b>2021</b> , 196, 111495	5.6	5
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41	To best mimic human thermal conditions, mice should be housed slightly below thermoneutrality. <i>Molecular Metabolism</i> , <b>2019</b> , 26, 4	8.8	4
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37	Intramuscular short-chain acylcarnitines in elderly people are decreased in (pre-)frail females, but not in males. <i>FASEB Journal</i> , <b>2020</b> , 34, 11658-11671	0.9	4
36	Identification of blood cell transcriptome-based biomarkers in adulthood predictive of increased risk to develop metabolic disorders using early life intervention rat models. <i>FASEB Journal</i> , <b>2020</b> , 34, 9003-9017	0.9	4
35	Muscle mitochondrial capacity in high- and low-fitness females using near-infrared spectroscopy. <i>Physiological Reports</i> , <b>2021</b> , 9, e14838	2.6	4
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