

# Jaap Keijer

## List of Publications by Year in descending order

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191  
papers

8,775  
citations

46918

47  
h-index

54797

84  
g-index

196  
all docs

196  
docs citations

196  
times ranked

14254  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2019, 20, 1.	1.8	929
2	Tissue Distribution of Quercetin in Rats and Pigs. <i>Journal of Nutrition</i> , 2005, 135, 1718-1725.	1.3	403
3	Polyunsaturated fatty acids of marine origin upregulate mitochondrial biogenesis and induce $\beta$ -oxidation in white fat. <i>Diabetologia</i> , 2005, 48, 2365-2375.	2.9	346
4	The secretory function of adipocytes in the physiology of white adipose tissue. <i>Journal of Cellular Physiology</i> , 2008, 216, 3-13.	2.0	262
5	Mitochondrial (Dys)function in Adipocyte (De)differentiation and Systemic Metabolic Alterations. <i>American Journal of Pathology</i> , 2009, 175, 927-939.	1.9	217
6	The application of DNA microarrays in gene expression analysis. <i>Journal of Biotechnology</i> , 2000, 78, 271-280.	1.9	197
7	Concepts for further sustainable production of foods. <i>Journal of Food Engineering</i> , 2016, 168, 42-51.	2.7	180
8	Host-related factors explaining interindividual variability of carotenoid bioavailability and tissue concentrations in humans. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600685.	1.5	180
9	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> , 2014, 306, E469-E482.	1.8	179
10	Rapid yeast estrogen bioassays stably expressing human estrogen receptors $\alpha$ 1 and $\alpha$ 2, and green fluorescent protein: a comparison of different compounds with both receptor types. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004, 91, 99-109.	1.2	167
11	Not so hot: Optimal housing temperatures for mice to mimic the thermal environment of humans. <i>Molecular Metabolism</i> , 2013, 2, 5-9.	3.0	156
12	Functional relationship between obesity and male reproduction: from humans to animal models. <i>Human Reproduction Update</i> , 2011, 17, 667-683.	5.2	149
13	Biomarkers of Nutrition and Health: New Tools for New Approaches. <i>Nutrients</i> , 2019, 11, 1092.	1.7	149
14	SIRT1 stimulation by polyphenols is affected by their stability and metabolism. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 618-627.	2.2	148
15	Challenging homeostasis to define biomarkers for nutrition related health. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 795-804.	1.5	144
16	Beta-Carotene Reduces Body Adiposity of Mice via BCMO1. <i>PLoS ONE</i> , 2011, 6, e20644.	1.1	133
17	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> , 2008, 87, 181-189.	2.2	108
18	Four selenoproteins, protein biosynthesis, and Wnt signalling are particularly sensitive to limited selenium intake in mouse colon. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1561-1572.	1.5	102

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19	Development of a rapid yeast estrogen bioassay, based on the expression of green fluorescent protein. <i>Gene</i> , 2004, 325, 187-200.	1.0	90
20	HIF and reactive oxygen species regulate oxidative phosphorylation in cancer. <i>Carcinogenesis</i> , 2008, 29, 1528-1537.	1.3	84
21	Î²-Carotene in the human body: metabolic bioactivation pathways “ from digestion to tissue distribution and excretion. <i>Proceedings of the Nutrition Society</i> , 2019, 78, 68-87.	0.4	83
22	The intraclass correlation coefficient applied for evaluation of data correction, labeling methods, and rectal biopsy sampling in DNA microarray experiments. <i>Physiological Genomics</i> , 2003, 16, 99-106.	1.0	82
23	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> , 2015, 10, 469.	1.2	81
24	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> , 2010, 14, 129-141.	1.0	75
25	What is the best housing temperature to translate mouse experiments to humans?. <i>Molecular Metabolism</i> , 2019, 25, 168-176.	3.0	75
26	Muscle mitohormesis promotes cellular survival via serine/glycine pathway flux. <i>FASEB Journal</i> , 2015, 29, 1314-1328.	0.2	74
27	Differential gene expression in white and brown preadipocytes. <i>Physiological Genomics</i> , 2001, 7, 15-25.	1.0	70
28	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> , 2014, 1841, 267-278.	1.2	69
29	Quercetin Induces Hepatic Lipid Omega-Oxidation and Lowers Serum Lipid Levels in Mice. <i>PLoS ONE</i> , 2013, 8, e51588.	1.1	66
30	Î²-Carotene metabolites enhance inflammation-induced oxidative DNA damage in lung epithelial cells. <i>Free Radical Biology and Medicine</i> , 2009, 46, 299-304.	1.3	65
31	Alterations in hepatic one-carbon metabolism and related pathways following a high-fat dietary intervention. <i>Physiological Genomics</i> , 2011, 43, 408-416.	1.0	64
32	Absence of an adipogenic effect of rosiglitazone on mature 3T3-L1 adipocytes: increase of lipid catabolism and reduction of adipokine expression. <i>Diabetologia</i> , 2007, 50, 654-665.	2.9	63
33	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> , 2009, 10, 110.	1.2	62
34	Î²-Carotene conversion products and their effects on adipose tissue. <i>Genes and Nutrition</i> , 2009, 4, 179-187.	1.2	61
35	Mechanistic aspects of carotenoid health benefits “ where are we now?. <i>Nutrition Research Reviews</i> , 2021, 34, 276-302.	2.1	61
36	Uptake and metabolism of enterolactone and enterodiol by human colon epithelial cells. <i>Archives of Biochemistry and Biophysics</i> , 2005, 435, 74-82.	1.4	59

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37	Muscle mitochondrial stress adaptation operates independently of endogenous FGF21 action. <i>Molecular Metabolism</i> , 2016, 5, 79-90.	3.0	58
38	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> , 2007, 137, 2114-2120.	1.3	57
39	Deconjugation Kinetics of Glucuronidated Phase II Flavonoid Metabolites by $\beta$ -glucuronidase from Neutrophils. <i>Drug Metabolism and Pharmacokinetics</i> , 2010, 25, 379-387.	1.1	57
40	The circulating PBEF/NAMPT/visfatin level is associated with a beneficial blood lipid profile. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 454, 971-976.	1.3	55
41	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> , 2012, 7, e43764.	1.1	55
42	The challenges for molecular nutrition research 2: quantification of the nutritional phenotype. <i>Genes and Nutrition</i> , 2008, 3, 51-59.	1.2	53
43	Chronic quercetin exposure affects fatty acid catabolism in rat lung. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 2847-2858.	2.4	52
44	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> , 2009, 139, 1525-1533.	1.3	51
45	Beta-carotene affects oxidative stress-related DNA damage in lung epithelial cells and in ferret lung. <i>Carcinogenesis</i> , 2009, 30, 2070-2076.	1.3	49
46	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> , 2013, 57, 1423-1434.	1.5	49
47	Mitochondrial ATP Depletion Disrupts Caco-2 Monolayer Integrity and Internalizes Claudin 7. <i>Frontiers in Physiology</i> , 2017, 8, 794.	1.3	49
48	Mitochondrial dynamics in cancer-induced cachexia. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1870, 137-150.	3.3	49
49	The Molecular and Physiological Effects of Protein-Derived Polyamines in the Intestine. <i>Nutrients</i> , 2020, 12, 197.	1.7	49
50	Heterogeneity in electrophoretic karyotype within and between anastomosis groups of <i>Rhizoctonia solani</i> . <i>Mycological Research</i> , 1996, 100, 789-797.	2.5	48
51	Impaired barrier function by dietary fructo-oligosaccharides (FOS) in rats is accompanied by increased colonic mitochondrial gene expression. <i>BMC Genomics</i> , 2008, 9, 144.	1.2	48
52	Effects of a high-fat, low-versus high-glycemic index diet: retardation of insulin resistance involves adipose tissue modulation. <i>FASEB Journal</i> , 2009, 23, 1092-1101.	0.2	46
53	Stable reporter cell lines for peroxisome proliferator-activated receptor $\beta$ (PPAR $\beta$ )-mediated modulation of gene expression. <i>Analytical Biochemistry</i> , 2011, 414, 77-83.	1.1	46
54	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> , 2017, 61, 1600878.	1.5	46

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55	Preantral follicular atresia occurs mainly through autophagy, while antral follicles degenerate mostly through apoptosis. <i>Biology of Reproduction</i> , 2018, 99, 853-863.	1.2	44
56	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> , 2007, 16, 327-333.	1.1	43
57	Gene expression profiling of adipose tissue. <i>Nutrition</i> , 2004, 20, 115-120.	1.1	42
58	A framework to identify physiological responses in microarray-based gene expression studies: selection and interpretation of biologically relevant genes. <i>Physiological Genomics</i> , 2008, 33, 78-90.	1.0	42
59	Dietary restriction of mice on a high-fat diet induces substrate efficiency and improves metabolic health. <i>Journal of Molecular Endocrinology</i> , 2011, 47, 81-97.	1.1	40
60	Mitochondrial dysfunction in primary human fibroblasts triggers an adaptive cell survival program that requires AMPK- $\alpha$ . <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 529-540.	1.8	40
61	Nutrigenomic approaches for benefit-risk analysis of foods and food components: defining markers of health. <i>British Journal of Nutrition</i> , 2007, 98, 1095-1100.	1.2	39
62	Intra- and interindividual variation in gene expression in human adipose tissue. <i>Pflugers Archiv European Journal of Physiology</i> , 2007, 453, 851-861.	1.3	39
63	Muscle Toxicity of Drugs: When Drugs Turn Physiology into Pathophysiology. <i>Physiological Reviews</i> , 2020, 100, 633-672.	13.1	39
64	Mito-Nuclear Communication by Mitochondrial Metabolites and Its Regulation by B-Vitamins. <i>Frontiers in Physiology</i> , 2019, 10, 78.	1.3	38
65	The effect of endurance exercise on intestinal integrity in well-trained healthy men. <i>Physiological Reports</i> , 2016, 4, e12994.	0.7	37
66	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> , 2010, 21, 1127-1133.	1.9	36
67	Adipose tissue failure and mitochondria as a possible target for improvement by bioactive food components. <i>Current Opinion in Lipidology</i> , 2008, 19, 4-10.	1.2	34
68	BIOCLAIMS standard diet (BIOsd): a reference diet for nutritional physiology. <i>Genes and Nutrition</i> , 2012, 7, 399-404.	1.2	34
69	Gene expression response of the rat small intestine following oral <i>Salmonella</i> infection. <i>Physiological Genomics</i> , 2007, 30, 123-133.	1.0	33
70	Factors influencing cDNA microarray hybridization on silylated glass slides. <i>Analytical Biochemistry</i> , 2002, 308, 5-17.	1.1	32
71	Adipose Gene Expression Patterns of Weight Gain Suggest Counteracting Steroid Hormone Synthesis. <i>Obesity</i> , 2005, 13, 1031-1041.	4.0	32
72	Adaptation of exercise-induced stress in well-trained healthy young men. <i>Experimental Physiology</i> , 2017, 102, 86-99.	0.9	32

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73	<i>Ndufs4</i> knockout mouse models of Leigh syndrome: pathophysiology and intervention. <i>Brain</i> , 2022, 145, 45-63.	3.7	32
74	Mucosal pentraxin (Mptx), a novel rat gene 10-fold down-regulated in colon by dietary heme. <i>FASEB Journal</i> , 2003, 17, 1277-1285.	0.2	31
75	Marginal selenium deficiency down-regulates inflammation-related genes in splenic leukocytes of the mouse. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 1170-1177.	1.9	31
76	Combined Treatment with L-Carnitine and Nicotinamide Riboside Improves Hepatic Metabolism and Attenuates Obesity and Liver Steatosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4359.	1.8	31
77	Salmonella induces prominent gene expression in the rat colon. <i>BMC Microbiology</i> , 2007, 7, 84.	1.3	30
78	Induction of Peroxisome Proliferator-Activated Receptor $\beta$ (PPAR $\beta$ )-Mediated Gene Expression by Tomato ( <i>Solanum lycopersicum</i> L.) Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 3419-3427.	2.4	30
79	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> , 2015, 26, 398-407.	1.9	30
80	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> , 2017, 46, 39-48.	1.9	30
81	Non-invasive continuous real-time in vivo analysis of microbial hydrogen production shows adaptation to fermentable carbohydrates in mice. <i>Scientific Reports</i> , 2018, 8, 15351.	1.6	29
82	Presence of anti-Müllerian hormone (AMH) during follicular development in the porcine ovary. <i>PLoS ONE</i> , 2018, 13, e0197894.	1.1	29
83	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> , 2019, 119, 1799-1808.	1.2	29
84	In vivo assessment of mitochondrial capacity using NIRS in locomotor muscles of young and elderly males with similar physical activity levels. <i>GeroScience</i> , 2020, 42, 299-310.	2.1	29
85	High folic acid increases cell turnover and lowers differentiation and iron content in human HT29 colon cancer cells. <i>British Journal of Nutrition</i> , 2008, 99, 703-708.	1.2	28
86	Transcriptome analysis in benefit-risk assessment of micronutrients and bioactive food components. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 240-248.	1.5	28
87	Nutraceutical oleuropein supplementation prevents high fat diet-induced adiposity in mice. <i>Journal of Functional Foods</i> , 2015, 14, 702-715.	1.6	27
88	High Dose of Dietary Nicotinamide Riboside Induces Glucose Intolerance and White Adipose Tissue Dysfunction in Mice Fed a Mildly Obesogenic Diet. <i>Nutrients</i> , 2019, 11, 2439.	1.7	27
89	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> , 2019, 10, 2102-2113.	2.1	27
90	Nutrient-gene interactions in benefit-risk analysis. <i>British Journal of Nutrition</i> , 2006, 95, 1232-1236.	1.2	26

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91	Effects of dietary history on energy metabolism and physiological parameters in C57BL/6J mice. <i>Experimental Physiology</i> , 2013, 98, 1053-1062.	0.9	26
92	Prolonged hypothyroidism severely reduces ovarian follicular reserve in adult rats. <i>Journal of Ovarian Research</i> , 2017, 10, 19.	1.3	26
93	Endurance Exercise Increases Intestinal Uptake of the Peanut Allergen Ara h 6 after Peanut Consumption in Humans. <i>Nutrients</i> , 2017, 9, 84.	1.7	26
94	A Difference in Fatty Acid Composition of Isocaloric High-Fat Diets Alters Metabolic Flexibility in Male C57BL/6J OlaHsd Mice. <i>PLoS ONE</i> , 2015, 10, e0128515.	1.1	26
95	Knockout of the <i>Bcmo1</i> gene results in an inflammatory response in female lung, which is suppressed by dietary beta-carotene. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2039-2056.	2.4	25
96	Role of Oxidative DNA Damage and Repair in Atrial Fibrillation and Ischemic Heart Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3838.	1.8	25
97	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> , 1999, 67, 49-56.	1.9	24
98	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> , 2014, 9, 391.	1.2	23
99	The MemTrax Test Compared to the Montreal Cognitive Assessment Estimation of Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 1045-1054.	1.2	23
100	Butyrate Protects against Diet-Induced NASH and Liver Fibrosis and Suppresses Specific Non-Canonical TGF- $\beta$ 2 Signaling Pathways in Human Hepatic Stellate Cells. <i>Biomedicines</i> , 2021, 9, 1954.	1.4	23
101	Dietary-Induced Chronic Hypothyroidism Negatively Affects Rat Follicular Development and Ovulation Rate and Is Associated with Oxidative Stress <sup>1</sup> . <i>Biology of Reproduction</i> , 2016, 94, 90.	1.2	22
102	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> , 2018, 57, 86-92.	1.9	22
103	Bioactive food components, cancer cell growth limitation and reversal of glycolytic metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 697-706.	0.5	20
104	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> , 2015, 70, 282-293.	1.7	20
105	Detection of peanut allergen in human blood after consumption of peanuts is skewed by endogenous immunoglobulins. <i>Journal of Immunological Methods</i> , 2017, 440, 52-57.	0.6	20
106	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> , 2017, 8, 179.	1.3	20
107	The ketogenic diet as a therapeutic intervention strategy in mitochondrial disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 138, 106050.	1.2	20
108	Gene Expression in Chicken Reveals Correlation with Structural Genomic Features and Conserved Patterns of Transcription in the Terrestrial Vertebrates. <i>PLoS ONE</i> , 2010, 5, e11990.	1.1	20

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109	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> , 2014, 58, 799-807.	1.5	19
110	Maternal Circulating Vitamin Status and Colostrum Vitamin Composition in Healthy Lactating Women—A Systematic Approach. <i>Nutrients</i> , 2018, 10, 687.	1.7	19
111	Adipose Gene Expression Response of Lean and Obese Mice to Short-term Dietary Restriction*. <i>Obesity</i> , 2006, 14, 974-979.	1.5	18
112	Beta-carotene affects gene expression in lungs of male and female <i>Bcmo1</i> <sup>+/+</sup> mice in opposite directions. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 489-504.	2.4	18
113	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> , 2020, 12, 2037.	1.7	18
114	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> , 2005, 1740, 139-146.	1.8	17
115	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> , 2014, 9, 417.	1.2	17
116	Severe riboflavin deficiency induces alterations in the hepatic proteome of starter Pekin ducks. <i>British Journal of Nutrition</i> , 2017, 118, 641-650.	1.2	17
117	Cold exposure down-regulates immune response pathways in ferret aortic perivascular adipose tissue. <i>Thrombosis and Haemostasis</i> , 2017, 117, 981-991.	1.8	17
118	Gene expression response of mouse lung, liver and white adipose tissue to $\beta$ -carotene supplementation, knockout of <i>Bcmo1</i> and sex. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1466-1474.	1.5	16
119	Quercetin tests negative for genotoxicity in transcriptome analyses of liver and small intestine of mice. <i>Food and Chemical Toxicology</i> , 2015, 81, 34-39.	1.8	16
120	No Adverse Programming by Post-Weaning Dietary Fructose of Body Weight, Adiposity, Glucose Tolerance, or Metabolic Flexibility. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700315.	1.5	16
121	Intramuscular short-chain acylcarnitines in elderly people are decreased in (pre-)frail females, but not in males. <i>FASEB Journal</i> , 2020, 34, 11658-11671.	0.2	16
122	Krill Oil Treatment Increases Distinct PUFAs and Oxylipins in Adipose Tissue and Liver and Attenuates Obesity-Associated Inflammation via Direct and Indirect Mechanisms. <i>Nutrients</i> , 2021, 13, 2836.	1.7	16
123	Intervention with isoleucine or valine corrects hyperinsulinemia and reduces intrahepatic diacylglycerols, liver steatosis, and inflammation in <i>Ldlr</i> <sup>-/-</sup> .Leiden mice with manifest obesity-associated NASH. <i>FASEB Journal</i> , 2022, 36, .	0.2	16
124	Individual variation of adipose gene expression and identification of covariating genes by cDNA microarrays. <i>Physiological Genomics</i> , 2002, 11, 31-36.	1.0	15
125	Novel standardized method for extracellular flux analysis of oxidative and glycolytic metabolism in peripheral blood mononuclear cells. <i>Scientific Reports</i> , 2021, 11, 1662.	1.6	15
126	Propionate hampers differentiation and modifies histone propionylation and acetylation in skeletal muscle cells. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111495.	2.2	15



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127	Nuclear behavior in homokaryotic and heterokaryotic fruiting of <i>Thanatephorus cucumeris</i> ( <i>Rhizoctonia solani</i> ) anastomosis group 1, subgroup IC. <i>Mycologia</i> , 1997, 89, 361-374.	0.8	14
128	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> , 2007, 164, 337-349.	1.6	14
129	Ileal Mucosal and Fecal Pancreatitis Associated Protein Levels Reflect Severity of Salmonella Infection in Rats. <i>Digestive Diseases and Sciences</i> , 2009, 54, 2588-2597.	1.1	14
130	Integration of Risk and Benefit Analysis – The Window of Benefit as a New Tool?. <i>Critical Reviews in Food Science and Nutrition</i> , 2009, 49, 670-680.	5.4	14
131	Network-based integration of molecular and physiological data elucidates regulatory mechanisms underlying adaptation to high-fat diet. <i>Genes and Nutrition</i> , 2015, 10, 470.	1.2	14
132	Direct and Long-Term Metabolic Consequences of Lowly vs. Highly-Digestible Starch in the Early Post-Weaning Diet of Mice. <i>Nutrients</i> , 2018, 10, 1788.	1.7	14
133	Follicular development of sows at weaning in relation to estimated breeding value for within-litter variation in piglet birth weight. <i>Animal</i> , 2019, 13, 554-563.	1.3	14
134	Measuring Locomotor Activity and Behavioral Aspects of Rodents Living in the Home-Cage. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 877323.	1.0	14
135	Dietary modulation and structure prediction of rat mucosal pentraxin (Mptx) protein and loss of function in humans. <i>Genes and Nutrition</i> , 2007, 2, 275-285.	1.2	13
136	Downregulation of <i>Fzd6</i> and <i>Cthrc1</i> and upregulation of olfactory receptors and protocadherins by dietary beta-carotene in lungs of <i>Bcmo1</i> <sup>-/-</sup> mice. <i>Carcinogenesis</i> , 2010, 31, 1329-1337.	1.3	13
137	Dynamic changes in energy metabolism upon embryonic stem cell differentiation support developmental toxicant identification. <i>Toxicology</i> , 2014, 324, 76-87.	2.0	13
138	Early differences in metabolic flexibility between obesity-resistant and obesity-prone mice. <i>Biochimie</i> , 2016, 124, 163-170.	1.3	13
139	Glycemic index differences of high-fat diets modulate primarily lipid metabolism in murine adipose tissue. <i>Physiological Genomics</i> , 2011, 43, 942-949.	1.0	12
140	Interference of flavonoids with enzymatic assays for the determination of free fatty acid and triglyceride levels. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1389-1392.	1.9	12
141	Role of <i>Frizzled6</i> in the molecular mechanism of beta-carotene action in the lung. <i>Toxicology</i> , 2014, 320, 67-73.	2.0	12
142	Predicting the murine enterocyte metabolic response to diets that differ in lipid and carbohydrate composition. <i>Scientific Reports</i> , 2017, 7, 8784.	1.6	12
143	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> , 2005, 439, 32-41.	1.4	11
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161	Angiogenesis in Balb/c mice under beta-carotene supplementation in diet. <i>Genes and Nutrition</i> , 2010, 5, 9-16.	1.2	7
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