

Jaap Keijer

List of Publications by Year in Descending Order

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Version: 2024-04-20

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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	Extracellular flux analyses reveal differences in mitochondrial PBMC metabolism between high-fit and low-fit females.. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022 ,	6	3
186	Measuring Locomotor Activity and Behavioral Aspects of Rodents Living in the Home-Cage.. <i>Frontiers in Behavioral Neuroscience</i> , 2022 , 16, 877323	3.5	2
185	Dietary lipid droplet structure in postnatal life improves hepatic energy and lipid metabolism in a mouse model for postnatal programming.. <i>Pharmacological Research</i> , 2022 , 106193	10.2	0
184	Cycling for Weight Loss May Clear Carbohydrates Rather Than Fat, Irrespective of Normal or Mildly Reduced Normobaric Oxygen. <i>Obesities</i> , 2022 , 2, 205-214		
183	Ndufs4 knockout mouse models of Leigh syndrome: pathophysiology and intervention. <i>Brain</i> , 2021 ,	11.2	3
182	Exploring the associations between transcript levels and fluxes in constraint-based models of metabolism. <i>BMC Bioinformatics</i> , 2021 , 22, 574	3.6	0
181	Butyrate Alters Pyruvate Flux and Induces Lipid Accumulation in Cultured Colonocytes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
180	Pseudo-Starvation Driven Energy Expenditure Negatively Affects Ovarian Follicle Development. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
179	The Effect of Partly Replacing Vegetable Fat with Bovine Milk Fat in Infant Formula on Postprandial Lipid and Energy Metabolism: A Proof-of-principle Study in Healthy Young Male Adults. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000848	5.9	1
178	Role of Oxidative DNA Damage and Repair in Atrial Fibrillation and Ischemic Heart Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
177	Mechanistic aspects of carotenoid health benefits - where are we now?. <i>Nutrition Research Reviews</i> , 2021 , 34, 276-302	7	14
176	Muscle mitochondrial capacity in high- and low-fitness females using near-infrared spectroscopy. <i>Physiological Reports</i> , 2021 , 9, e14838	2.6	4
175	Propionate hampers differentiation and modifies histone propionylation and acetylation in skeletal muscle cells. <i>Mechanisms of Ageing and Development</i> , 2021 , 196, 111495	5.6	5
174	Matrisome, innervation and oxidative metabolism affected in older compared with younger males with similar physical activity. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 , 12, 1214-1231	10.3	2
173	OCRbaves: A Bayesian hierarchical modeling framework for Seahorse extracellular flux oxygen consumption rate data analysis. <i>PLoS ONE</i> , 2021 , 16, e0253926	3.7	1
172	Increased protein propionylation contributes to mitochondrial dysfunction in liver cells and fibroblasts, but not in myotubes. <i>Journal of Inherited Metabolic Disease</i> , 2021 , 44, 438-449	5.4	3
171	Novel standardized method for extracellular flux analysis of oxidative and glycolytic metabolism in peripheral blood mononuclear cells. <i>Scientific Reports</i> , 2021 , 11, 1662	4.9	5

170	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,	6.7	1
169	The female mouse is resistant to mild vitamin B deficiency. <i>European Journal of Nutrition</i> , 2021 , 1	5.2	2
168	The ketogenic diet as a therapeutic intervention strategy in mitochondrial disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2021 , 138, 106050	5.6	4
167	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,	6.7	10
166	Metabolic effects of the dietary monosaccharides fructose, fructose-glucose, or glucose in mice fed a starch-containing moderate high-fat diet. <i>Physiological Reports</i> , 2020 , 8, e14350	2.6	2
165	The Molecular and Physiological Effects of Protein-Derived Polyamines in the Intestine. <i>Nutrients</i> , 2020 , 12,	6.7	27
164	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	8.9	9
163	Muscle Toxicity of Drugs: When Drugs Turn Physiology into Pathophysiology. <i>Physiological Reviews</i> , 2020 , 100, 633-672	47.9	14
162	An optimized desuccinylase activity assay reveals a difference in desuccinylation activity between proliferative and differentiated cells. <i>Scientific Reports</i> , 2020 , 10, 17030	4.9	2
161	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	0.9	4
160	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> , 2020 , 34, 9003-9017	0.9	4
159	Postnatal induction of muscle fatty acid oxidation in mice differing in propensity to obesity: a role of pyruvate dehydrogenase. <i>International Journal of Obesity</i> , 2020 , 44, 235-244	5.5	2
158	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,	6.3	21
157	Partial replacement of glucose by galactose in the post-weaning diet improves parameters of hepatic health. <i>Journal of Nutritional Biochemistry</i> , 2019 , 73, 108223	6.3	0
156	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	3.4	16
155	To best mimic human thermal conditions, mice should be housed slightly below thermoneutrality. <i>Molecular Metabolism</i> , 2019 , 26, 4	8.8	4
154	Biomarkers of Nutrition and Health: New Tools for New Approaches. <i>Nutrients</i> , 2019 , 11,	6.7	85
153	White Adipose Tissue Response of Obese Mice to Ambient Oxygen Restriction at Thermoneutrality: Response Markers Identified, but no WAT Inflammation. <i>Genes</i> , 2019 , 10,	4.2	1

152	Replacing Part of Glucose with Galactose in the Postweaning Diet Protects Female But Not Male Mice from High-Fat Diet-Induced Adiposity in Later Life. <i>Journal of Nutrition</i> , 2019 , 149, 1140-1148	4.1	3
151	Transcriptional Response of White Adipose Tissue to Withdrawal of Vitamin B3. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1801100	5.9	5
150	What is the best housing temperature to translate mouse experiments to humans?. <i>Molecular Metabolism</i> , 2019 , 25, 168-176	8.8	38
149	Mito-Nuclear Communication by Mitochondrial Metabolites and Its Regulation by B-Vitamins. <i>Frontiers in Physiology</i> , 2019 , 10, 78	4.6	20
148	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	6.1	12
147	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	3.1	10
146	Extended indirect calorimetry with isotopic CO sensors for prolonged and continuous quantification of exogenous vs. total substrate oxidation in mice. <i>Scientific Reports</i> , 2019 , 9, 11507	4.9	4
145	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> , 2019 , 63, e1900189	5.9	7
144	Maturation of White Adipose Tissue Function in C57BL/6j Mice From Weaning to Young Adulthood. <i>Frontiers in Physiology</i> , 2019 , 10, 836	4.6	2
143	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,	6.7	14
142	Cold Induced Depot-Specific Browning in Ferret Aortic Perivascular Adipose Tissue. <i>Frontiers in Physiology</i> , 2019 , 10, 1171	4.6	4
141	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	4.3	11
140	β-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	2.9	36
139	Effects of cold exposure revealed by global transcriptomic analysis in ferret peripheral blood mononuclear cells. <i>Scientific Reports</i> , 2019 , 9, 19985	4.9	4
138	Steroid profile of porcine follicular fluid and blood serum: Relation with follicular development. <i>Physiological Reports</i> , 2019 , 7, e14320	2.6	2
137	Evolutionary analysis of the carnitine- and choline acyltransferases suggests distinct evolution of CPT2 versus CPT1 and related variants. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 909-918	5	3
136	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	6.3	14
135	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	5.9	7

134	Mitochondrial dynamics in cancer-induced cachexia. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018 , 1870, 137-150	11.2	29
133	A Constraint-Based Model Analysis of Enterocyte Mitochondrial Adaptation to Dietary Interventions of Lipid Type and Lipid Load. <i>Frontiers in Physiology</i> , 2018 , 9, 749	4.6	1
132	Maternal Circulating Vitamin Status and Colostrum Vitamin Composition in Healthy Lactating Women-A Systematic Approach. <i>Nutrients</i> , 2018 , 10,	6.7	10
131	Presence of anti-Müllerian hormone (AMH) during follicular development in the porcine ovary. <i>PLoS ONE</i> , 2018 , 13, e0197894	3.7	17
130	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> , 2018 , 20,	6.3	545
129	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,	6.7	4
128	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	4.9	17
127	Preantral follicular atresia occurs mainly through autophagy, while antral follicles degenerate mostly through apoptosis. <i>Biology of Reproduction</i> , 2018 , 99, 853-863	3.9	34
126	Host-related factors explaining interindividual variability of carotenoid bioavailability and tissue concentrations in humans. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1600685	5.9	129
125	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	5.9	35
124	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	6.3	20
123	Prolonged hypothyroidism severely reduces ovarian follicular reserve in adult rats. <i>Journal of Ovarian Research</i> , 2017 , 10, 19	5.5	14
122	Body Weight Cycling with Identical Diet Composition Does Not Affect Energy Balance and Has No Adverse Effect on Metabolic Health Parameters. <i>Nutrients</i> , 2017 , 9,	6.7	7
121	Predicting the murine enterocyte metabolic response to diets that differ in lipid and carbohydrate composition. <i>Scientific Reports</i> , 2017 , 7, 8784	4.9	5
120	Severe riboflavin deficiency induces alterations in the hepatic proteome of starter Pekin ducks. <i>British Journal of Nutrition</i> , 2017 , 118, 641-650	3.6	13
119	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	2.5	17
118	Adaptation of exercise-induced stress in well-trained healthy young men. <i>Experimental Physiology</i> , 2017 , 102, 86-99	2.4	21
117	Cold exposure down-regulates immune response pathways in ferret aortic perivascular adipose tissue. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 981-991	7	14

116	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	4.6	13
115	Specific Features of the Hypothalamic Leptin Signaling Response to Cold Exposure Are Reflected in Peripheral Blood Mononuclear Cells in Rats and Ferrets. <i>Frontiers in Physiology</i> , 2017 , 8, 581	4.6	4
114	Mitochondrial ATP Depletion Disrupts Caco-2 Monolayer Integrity and Internalizes Claudin 7. <i>Frontiers in Physiology</i> , 2017 , 8, 794	4.6	28
113	Endurance Exercise Increases Intestinal Uptake of the Peanut Allergen Ara h 6 after Peanut Consumption in Humans. <i>Nutrients</i> , 2017 , 9,	6.7	15
112	Concepts for further sustainable production of foods. <i>Journal of Food Engineering</i> , 2016 , 168, 42-51	6	132
111	Early differences in metabolic flexibility between obesity-resistant and obesity-prone mice. <i>Biochimie</i> , 2016 , 124, 163-170	4.6	10
110	Muscle mitochondrial stress adaptation operates independently of endogenous FGF21 action. <i>Molecular Metabolism</i> , 2016 , 5, 79-90	8.8	41
109	Dietary-Induced Chronic Hypothyroidism Negatively Affects Rat Follicular Development and Ovulation Rate and Is Associated with Oxidative Stress. <i>Biology of Reproduction</i> , 2016 , 94, 90	3.9	16
108	The effect of endurance exercise on intestinal integrity in well-trained healthy men. <i>Physiological Reports</i> , 2016 , 4, e12994	2.6	23
107	White adipose tissue reference network: a knowledge resource for exploring health-relevant relations. <i>Genes and Nutrition</i> , 2015 , 10, 439	4.3	8
106	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	6.3	25
105	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	4.7	13
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, 282-93	6.4	17
103	Nutraceutical oleuropein supplementation prevents high fat diet-induced adiposity in mice. <i>Journal of Functional Foods</i> , 2015 , 14, 702-715	5.1	21
102	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	4.3	6
101	Oxygen restriction as challenge test reveals early high-fat-diet-induced changes in glucose and lipid metabolism. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 1179-93	4.6	6
100	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	4.3	62
99	Muscle mitohormesis promotes cellular survival via serine/glycine pathway flux. <i>FASEB Journal</i> , 2015 , 29, 1314-28	0.9	47

98	Mitochondrial dysfunction in primary human fibroblasts triggers an adaptive cell survival program that requires AMPK- β . <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015 , 1852, 529-40	6.9	33
97	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	3.7	20
96	Reduced fetal androgen exposure compromises Leydig cell function in adulthood. <i>Asian Journal of Andrology</i> , 2015 , 17, 219-20	2.8	
95	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, 267-78	5	57
94	Dynamic changes in energy metabolism upon embryonic stem cell differentiation support developmental toxicant identification. <i>Toxicology</i> , 2014 , 324, 76-87	4.4	11
93	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, 417-43	4.3	15
92	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	4.3	17
91	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, E469-82	6	139
90	Nutrigenomics of body weight regulation: a rationale for careful dissection of individual contributors. <i>Nutrients</i> , 2014 , 6, 4531-51	6.7	5
89	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	5.9	15
88	Not so nuanced: Reply to the comments of Gaskill and Garner on S Not so hot: Optimal housing temperatures for mice to mimic the environment of humans S <i>Molecular Metabolism</i> , 2014 , 3, 337	8.8	5
87	Direct comparison of health effects by dietary polyphenols at equimolar doses in wildtype moderate high-fat fed C57BL/6J OlaHsd mice. <i>Food Research International</i> , 2014 , 65, 95-102	7	3
86	Role of Frizzled6 in the molecular mechanism of beta-carotene action in the lung. <i>Toxicology</i> , 2014 , 320, 67-73	4.4	10
85	Reprogrammed metabolism of cancer cells as a potential therapeutic target. <i>Current Pharmaceutical Design</i> , 2014 , 20, 2580-94	3.3	8
84	Effects of dietary history on energy metabolism and physiological parameters in C57BL/6J mice. <i>Experimental Physiology</i> , 2013 , 98, 1053-62	2.4	25
83	Induction of peroxisome proliferator-activated receptor α (PPAR α)-mediated gene expression by tomato (<i>Solanum lycopersicum</i> L.) extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 3419-27	5.7	29
82	Organ specificity of beta-carotene induced lung gene-expression changes in <i>Bcmo1</i> ^{-/-} mice. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 307-19	5.9	3
81	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, 1423-34	5.9	45

80	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> , 2013 , 57, 2039-48	5.9	11
79	Quercetin induces hepatic lipid omega-oxidation and lowers serum lipid levels in mice. <i>PLoS ONE</i> , 2013 , 8, e51588	3.7	55
78	Interference of flavonoids with enzymatic assays for the determination of free fatty acid and triglyceride levels. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 1389-92	4.4	12
77	Not so hot: Optimal housing temperatures for mice to mimic the thermal environment of humans. <i>Molecular Metabolism</i> , 2012 , 2, 5-9	8.8	124
76	Marginal selenium deficiency down-regulates inflammation-related genes in splenic leukocytes of the mouse. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 1170-7	6.3	27
75	BIOCLAIMS standard diet (BIOsd): a reference diet for nutritional physiology. <i>Genes and Nutrition</i> , 2012 , 7, 399-404	4.3	26
74	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	3.7	51
73	Systems Biology of HostFoodMicrobe Interactions in the Mammalian Gut 2011 , 109-135		1
72	Functional relationship between obesity and male reproduction: from humans to animal models. <i>Human Reproduction Update</i> , 2011 , 17, 667-83	15.8	123
71	Bioactive food components, cancer cell growth limitation and reversal of glycolytic metabolism. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 697-706	4.6	20
70	Beta-carotene affects gene expression in lungs of male and female Bcmo1 (-/-) mice in opposite directions. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 489-504	10.3	14
69	Gene expression response of mouse lung, liver and white adipose tissue to β -carotene supplementation, knockout of Bcmo1 and sex. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1466-74	5.9	13
68	Stable reporter cell lines for peroxisome proliferator-activated receptor α (PPAR α)-mediated modulation of gene expression. <i>Analytical Biochemistry</i> , 2011 , 414, 77-83	3.1	44
67	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	4.5	34
66	Alterations in hepatic one-carbon metabolism and related pathways following a high-fat dietary intervention. <i>Physiological Genomics</i> , 2011 , 43, 408-16	3.6	59
65	Glycemic index differences of high-fat diets modulate primarily lipid metabolism in murine adipose tissue. <i>Physiological Genomics</i> , 2011 , 43, 942-9	3.6	11
64	Beta-carotene reduces body adiposity of mice via BCMO1. <i>PLoS ONE</i> , 2011 , 6, e20644	3.7	111
63	Chronic hypothyroidism only marginally affects adult-type Leydig cell regeneration after EDS administration. <i>Journal of Developmental and Physical Disabilities</i> , 2010 , 33, e123-31		2

62	Downregulation of Fzd6 and Cthrc1 and upregulation of olfactory receptors and protocadherins by dietary beta-carotene in lungs of Bcmo1 ^{-/-} mice. <i>Carcinogenesis</i> , 2010 , 31, 1329-37	4.6	13
61	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, 129-41	3.8	60
60	Deconjugation kinetics of glucuronidated phase II flavonoid metabolites by beta-glucuronidase from neutrophils. <i>Drug Metabolism and Pharmacokinetics</i> , 2010 , 25, 379-87	2.2	44
59	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> , 2010 , 67, 2039-56	10.3	24
58	Angiogenesis in Balb/c mice under beta-carotene supplementation in diet. <i>Genes and Nutrition</i> , 2010 , 5, 9-16	4.3	5
57	Transcriptome analysis in benefit-risk assessment of micronutrients and bioactive food components. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 240-8	5.9	28
56	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, 1127-33	6.3	34
55	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	3.7	17
54	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, 1525-33	4.1	40
53	Beta-carotene affects oxidative stress-related DNA damage in lung epithelial cells and in ferret lung. <i>Carcinogenesis</i> , 2009 , 30, 2070-6	4.6	45
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, 1092-101	0.9	36
51	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	4.5	54
50	Beta-carotene metabolites enhance inflammation-induced oxidative DNA damage in lung epithelial cells. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 299-304	7.8	53
49	Challenging homeostasis to define biomarkers for nutrition related health. <i>Molecular Nutrition and Food Research</i> , 2009 , 53, 795-804	5.9	121
48	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, 1561-72	5.9	91
47	Ileal mucosal and fecal pancreatitis associated protein levels reflect severity of salmonella infection in rats. <i>Digestive Diseases and Sciences</i> , 2009 , 54, 2588-97	4	11
46	beta-Carotene conversion products and their effects on adipose tissue. <i>Genes and Nutrition</i> , 2009 , 4, 179-87	4.3	54
45	Mitochondrial (dys)function in adipocyte (de)differentiation and systemic metabolic alterations. <i>American Journal of Pathology</i> , 2009 , 175, 927-39	5.8	176

44	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, 670-80	11.5	12
43	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	4.5	40
42	HIF and reactive oxygen species regulate oxidative phosphorylation in cancer. <i>Carcinogenesis</i> , 2008 , 29, 1528-37	4.6	74
41	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	3.6	38
40	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, 703-8	3.6	19
39	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	4.4	27
38	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, 181-9	7	93
37	The challenges for molecular nutrition research 2: quantification of the nutritional phenotype. <i>Genes and Nutrition</i> , 2008 , 3, 51-9	4.3	43
36	The secretory function of adipocytes in the physiology of white adipose tissue. <i>Journal of Cellular Physiology</i> , 2008 , 216, 3-13	7	222
35	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, 2114-20	4.1	48
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