

Michael Muller

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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.

261
papers

19,754
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79
h-index

131
g-index

299
ext. papers

21,936
ext. citations

7.2
avg, IF

6.43
L-index

#	Paper	IF	Citations
261	Peroxisome proliferator-activated receptor alpha target genes. <i>Cellular and Molecular Life Sciences</i> , 2004 , 61, 393-416	10.3	779
260	Overexpression of the gene encoding the multidrug resistance-associated protein results in increased ATP-dependent glutathione S-conjugate transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 13033-7	11.5	528
259	Peroxisome proliferator-activated receptor alpha target genes. <i>PPAR Research</i> , 2010 , 2010,	4.3	472
258	The inflammasome-mediated caspase-1 activation controls adipocyte differentiation and insulin sensitivity. <i>Cell Metabolism</i> , 2010 , 12, 593-605	24.6	472
257	Nutrigenomics: goals and strategies. <i>Nature Reviews Genetics</i> , 2003 , 4, 315-22	30.1	452
256	Hepatocanalicular bile salt export pump deficiency in patients with progressive familial intrahepatic cholestasis. <i>Gastroenterology</i> , 1999 , 117, 1370-9	13.3	381
255	Modulation of Mucosal Immune Response, Tolerance, and Proliferation in Mice Colonized by the Mucin-Degrader <i>Akkermansia muciniphila</i> . <i>Frontiers in Microbiology</i> , 2011 , 2, 166	5.7	310
254	Kupffer cells promote hepatic steatosis via interleukin-1beta-dependent suppression of peroxisome proliferator-activated receptor alpha activity. <i>Hepatology</i> , 2010 , 51, 511-22	11.2	309
253	The fasting-induced adipose factor/angiopoietin-like protein 4 is physically associated with lipoproteins and governs plasma lipid levels and adiposity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 934-44	5.4	301
252	Detection of prokaryotic mRNA signifies microbial viability and promotes immunity. <i>Nature</i> , 2011 , 474, 385-9	50.4	300
251	Gut-derived short-chain fatty acids are vividly assimilated into host carbohydrates and lipids. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, G900-10	5.1	279
250	Up-regulation of the multidrug resistance genes, Mrp1 and Mdr1b, and down-regulation of the organic anion transporter, Mrp2, and the bile salt transporter, Spgp, in endotoxemic rat liver. <i>Hepatology</i> , 1998 , 28, 1637-44	11.2	278
249	Saturated fat stimulates obesity and hepatic steatosis and affects gut microbiota composition by an enhanced overflow of dietary fat to the distal intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G589-99	5.1	250
248	Hepatic acute-phase proteins control innate immune responses during infection by promoting myeloid-derived suppressor cell function. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1453-64	16.6	246
247	Fish-oil supplementation induces antiinflammatory gene expression profiles in human blood mononuclear cells. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 415-24	7	240
246	Peroxisome proliferator-activated receptor alpha mediates the effects of high-fat diet on hepatic gene expression. <i>Endocrinology</i> , 2006 , 147, 1508-16	4.8	239
245	The homodimeric ATP-binding cassette transporter LmrA mediates multidrug transport by an alternating two-site (two-cylinder engine) mechanism. <i>EMBO Journal</i> , 2000 , 19, 2503-14	13	224

244	A consideration of biomarkers to be used for evaluation of inflammation in human nutritional studies. <i>British Journal of Nutrition</i> , 2013 , 109 Suppl 1, S1-34	3.6	220
243	Comparative analysis of gene regulation by the transcription factor PPARalpha between mouse and human. <i>PLoS ONE</i> , 2009 , 4, e6796	3.7	218
242	A diet high in resistant starch modulates microbiota composition, SCFA concentrations, and gene expression in pig intestine. <i>Journal of Nutrition</i> , 2013 , 143, 274-83	4.1	213
241	ATP- and glutathione-dependent transport of chemotherapeutic drugs by the multidrug resistance protein MRP1. <i>British Journal of Pharmacology</i> , 1999 , 126, 681-8	8.6	212
240	The direct peroxisome proliferator-activated receptor target fasting-induced adipose factor (FIAF/PGAR/ANGPTL4) is present in blood plasma as a truncated protein that is increased by fenofibrate treatment. <i>Journal of Biological Chemistry</i> , 2004 , 279, 34411-20	5.4	207
239	Gut microbiota facilitates dietary heme-induced epithelial hyperproliferation by opening the mucus barrier in colon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 10038-43	11.5	206
238	A saturated fatty acid-rich diet induces an obesity-linked proinflammatory gene expression profile in adipose tissue of subjects at risk of metabolic syndrome. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 1656-64	7	206
237	Farnesoid X receptor and bile salts are involved in transcriptional regulation of the gene encoding the human bile salt export pump. <i>Hepatology</i> , 2002 , 35, 589-96	11.2	205
236	Bioactive compounds: definition and assessment of activity. <i>Nutrition</i> , 2009 , 25, 1202-5	4.8	190
235	TAK1 suppresses a NEMO-dependent but NF-kappaB-independent pathway to liver cancer. <i>Cancer Cell</i> , 2010 , 17, 481-96	24.3	186
234	PPARgamma governs glycerol metabolism. <i>Journal of Clinical Investigation</i> , 2004 , 114, 94-103	15.9	184
233	Drug transport proteins in the liver. <i>Advanced Drug Delivery Reviews</i> , 2003 , 55, 107-24	18.5	181
232	Nutrigenomics: from molecular nutrition to prevention of disease. <i>Journal of the American Dietetic Association</i> , 2006 , 106, 569-76		179
231	Angptl4 protects against severe proinflammatory effects of saturated fat by inhibiting fatty acid uptake into mesenteric lymph node macrophages. <i>Cell Metabolism</i> , 2010 , 12, 580-92	24.6	178
230	Longer lifespan in male mice treated with a weakly estrogenic agonist, an antioxidant, an alpha-glucosidase inhibitor or a Nrf2-inducer. <i>Aging Cell</i> , 2016 , 15, 872-84	9.9	176
229	The G0/G1 switch gene 2 is a novel PPAR target gene. <i>Biochemical Journal</i> , 2005 , 392, 313-24	3.8	176
228	PPARs, Obesity, and Inflammation. <i>PPAR Research</i> , 2007 , 2007, 95974	4.3	170
227	Comprehensive analysis of PPARalpha-dependent regulation of hepatic lipid metabolism by expression profiling. <i>PPAR Research</i> , 2007 , 2007, 26839	4.3	159

226	Short-chain fatty acids stimulate angiopoietin-like 4 synthesis in human colon adenocarcinoma cells by activating peroxisome proliferator-activated receptor α . <i>Molecular and Cellular Biology</i> , 2013 , 33, 1303-1316	4.8	156
225	Caloric restriction and exercise increase plasma ANGPTL4 levels in humans via elevated free fatty acids. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 969-74	9.4	155
224	Peroxisome proliferator-activated receptor gamma activation promotes infiltration of alternatively activated macrophages into adipose tissue. <i>Journal of Biological Chemistry</i> , 2008 , 283, 22620-7	5.4	147
223	Peroxisome proliferator-activated receptor alpha protects against obesity-induced hepatic inflammation. <i>Endocrinology</i> , 2007 , 148, 2753-63	4.8	145
222	Cholestasis caused by inhibition of the adenosine triphosphate-dependent bile salt transport in rat liver. <i>Gastroenterology</i> , 1994 , 107, 255-65	13.3	145
221	PPARalpha and dyslipidemia. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 961-71	5	144
220	The IL-6/p130/STAT3 pathway in hepatocytes triggers liver protection in T cell-mediated liver injury. <i>Journal of Clinical Investigation</i> , 2005 , 115, 860-869	15.9	144
219	IL-37 protects against obesity-induced inflammation and insulin resistance. <i>Nature Communications</i> , 2014 , 5, 4711	17.4	143
218	Adipose tissue dysfunction signals progression of hepatic steatosis towards nonalcoholic steatohepatitis in C57BL/6 mice. <i>Diabetes</i> , 2010 , 59, 3181-91	0.9	135
217	Angptl4 upregulates cholesterol synthesis in liver via inhibition of LPL- and HL-dependent hepatic cholesterol uptake. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2420-7	9.4	133
216	The role of the small intestine in the development of dietary fat-induced obesity and insulin resistance in C57BL/6J mice. <i>BMC Medical Genomics</i> , 2008 , 1, 14	3.7	128
215	Multidrug resistance related molecules in human and murine lung. <i>Journal of Clinical Pathology</i> , 2002 , 55, 332-9	3.9	124
214	Increased levels of the multidrug resistance protein in lateral membranes of proliferating hepatocyte-derived cells. <i>Gastroenterology</i> , 1997 , 112, 511-21	13.3	123
213	Multispecific amphipathic substrate transport by an organic anion transporter of human liver. <i>Journal of Hepatology</i> , 1996 , 25, 733-8	13.4	118
212	Genome-wide age-related changes in DNA methylation and gene expression in human PBMCs. <i>Age</i> , 2014 , 36, 9648		116
211	The case for strategic international alliances to harness nutritional genomics for public and personal health. <i>British Journal of Nutrition</i> , 2005 , 94, 623-32	3.6	112
210	Phenotyping the effect of diet on non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2012 , 57, 1370-8	13.4	110
209	Fasting induces changes in peripheral blood mononuclear cell gene expression profiles related to increases in fatty acid beta-oxidation: functional role of peroxisome proliferator activated receptor alpha in human peripheral blood mononuclear cells. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 1515-23	7	110

208	Peroxisome proliferator-activated receptor beta/delta (PPARbeta/delta) but not PPARalpha serves as a plasma free fatty acid sensor in liver. <i>Molecular and Cellular Biology</i> , 2009 , 29, 6257-67	4.8	107
207	Expression and activity of breast cancer resistance protein (BCRP) in de novo and relapsed acute myeloid leukemia. <i>Blood</i> , 2002 , 99, 3763-70	2.2	106
206	The secretory function of the liver: new aspects of hepatobiliary transport. <i>Journal of Hepatology</i> , 1998 , 28, 344-54	13.4	106
205	Genome-wide analysis of PPARalpha activation in murine small intestine. <i>Physiological Genomics</i> , 2007 , 30, 192-204	3.6	105
204	Short-term high fat-feeding results in morphological and metabolic adaptations in the skeletal muscle of C57BL/6J mice. <i>Physiological Genomics</i> , 2008 , 32, 360-9	3.6	102
203	Induction of cardiac Angptl4 by dietary fatty acids is mediated by peroxisome proliferator-activated receptor beta/delta and protects against fatty acid-induced oxidative stress. <i>Circulation Research</i> , 2010 , 106, 1712-21	15.7	101
202	Differential inhibition by cyclosporins of primary-active ATP-dependent transporters in the hepatocyte canalicular membrane. <i>FEBS Letters</i> , 1993 , 333, 193-6	3.8	101
201	Regulation of hepatic transport systems involved in bile secretion during liver regeneration in rats. <i>Hepatology</i> , 1999 , 29, 1833-9	11.2	100
200	User-friendly solutions for microarray quality control and pre-processing on ArrayAnalysis.org. <i>Nucleic Acids Research</i> , 2013 , 41, W71-6	20.1	98
199	The effects of 30 days resveratrol supplementation on adipose tissue morphology and gene expression patterns in obese men. <i>International Journal of Obesity</i> , 2014 , 38, 470-3	5.5	97
198	The cholesterol-raising factor from coffee beans, cafestol, as an agonist ligand for the farnesoid and pregnane X receptors. <i>Molecular Endocrinology</i> , 2007 , 21, 1603-16		97
197	Recognition of microbial viability via TLR8 drives T cell differentiation and vaccine responses. <i>Nature Immunology</i> , 2018 , 19, 386-396	19.1	93
196	Multidrug resistance protein MRP1 protects against the toxicity of the major lipid peroxidation product 4-hydroxynonenal. <i>Biochemical Journal</i> , 2000 , 350, 555-561	3.8	93
195	PPARalpha governs glycerol metabolism. <i>Journal of Clinical Investigation</i> , 2004 , 114, 94-103	15.9	93
194	Transcriptional profiling reveals divergent roles of PPARalpha and PPARbeta/delta in regulation of gene expression in mouse liver. <i>Physiological Genomics</i> , 2010 , 41, 42-52	3.6	92
193	Postprandial dietary lipid-specific effects on human peripheral blood mononuclear cell gene expression profiles. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 208-17	7	91
192	Profiling of promoter occupancy by PPARalpha in human hepatoma cells via CHIP-chip analysis. <i>Nucleic Acids Research</i> , 2010 , 38, 2839-50	20.1	90
191	The IL-6-gp130-STAT3 pathway in hepatocytes triggers liver protection in T cell-mediated liver injury. <i>Journal of Clinical Investigation</i> , 2005 , 115, 860-9	15.9	84

190	Biliary fibrosis associated with altered bile composition in a mouse model of erythropoietic protoporphyria. <i>Gastroenterology</i> , 1999 , 117, 696-705	13.3	83
189	Pronounced effects of acute endurance exercise on gene expression in resting and exercising human skeletal muscle. <i>PLoS ONE</i> , 2012 , 7, e51066	3.7	83
188	Effect of synthetic dietary triglycerides: a novel research paradigm for nutrigenomics. <i>PLoS ONE</i> , 2008 , 3, e1681	3.7	81
187	Differential expression of sphingolipids in MRP1 overexpressing HT29 cells. <i>International Journal of Cancer</i> , 2000 , 87, 172-8	7.5	81
186	Localization of the Wilson's disease protein in human liver. <i>Gastroenterology</i> , 1999 , 117, 1380-5	13.3	81
185	Dietary n-3 and n-6 polyunsaturated fatty acid intake interacts with FADS1 genetic variation to affect total and HDL-cholesterol concentrations in the Doetinchem Cohort Study. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 258-65	7	79
184	Immortalized human hepatocytes as a tool for the study of hepatocytic (de-)differentiation. <i>Cell Biology and Toxicology</i> , 1997 , 13, 375-86	7.4	79
183	Dietary heme alters microbiota and mucosa of mouse colon without functional changes in host-microbe cross-talk. <i>PLoS ONE</i> , 2012 , 7, e49868	3.7	79
182	The (patho)physiological functions of the MRP family. <i>Drug Resistance Updates</i> , 2000 , 3, 289-302	23.2	78
181	Nutrigenomics: the impact of biomics technology on nutrition research. <i>Annals of Nutrition and Metabolism</i> , 2005 , 49, 355-65	4.5	77
180	MADMAX - Management and analysis database for multiple ~omics experiments. <i>Journal of Integrative Bioinformatics</i> , 2011 , 8, 160	3.8	77
179	Hepatocyte caspase-8 is an essential modulator of steatohepatitis in rodents. <i>Hepatology</i> , 2013 , 57, 2189-201	11.2	75
178	A combined transcriptomics and lipidomics analysis of subcutaneous, epididymal and mesenteric adipose tissue reveals marked functional differences. <i>PLoS ONE</i> , 2010 , 5, e11525	3.7	74
177	Bile salt sequestration induces hepatic de novo lipogenesis through farnesoid X receptor- and liver X receptor alpha-controlled metabolic pathways in mice. <i>Hepatology</i> , 2010 , 51, 806-16	11.2	73
176	MADMAX [Management and analysis database for multiple ~omics experiments. <i>Journal of Integrative Bioinformatics</i> , 2011 , 8, 59-74	3.8	72
175	The role of drug efflux pumps in acute myeloid leukemia. <i>Leukemia and Lymphoma</i> , 2002 , 43, 685-701	1.9	71
174	Carrier-mediated transport in the hepatic distribution and elimination of drugs, with special reference to the category of organic cations. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1990 , 18, 35-70		70
173	Genes and cholestasis. <i>Hepatology</i> , 2001 , 34, 1067-74	11.2	67

172	Secretion of organic anions by hepatocytes: involvement of homologues of the multidrug resistance protein. <i>Seminars in Liver Disease</i> , 1996 , 16, 211-20	7.3	65
171	Contribution of the murine mdr1a P-glycoprotein to hepatobiliary and intestinal elimination of cationic drugs as measured in mice with an mdr1a gene disruption. <i>Hepatology</i> , 1998 , 27, 1056-63	11.2	64
170	Differential effects of streptozotocin-induced diabetes on expression of hepatic ABC-transporters in rats. <i>Gastroenterology</i> , 2002 , 122, 1842-52	13.3	64
169	Overexpression of angiopoietin-like protein 4 protects against atherosclerosis development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 1529-37	9.4	63
168	Combined Activities of JNK1 and JNK2 in Hepatocytes Protect Against Toxic Liver Injury. <i>Gastroenterology</i> , 2016 , 150, 968-81	13.3	61
167	A progressive familial intrahepatic cholestasis type 2 mutation causes an unstable, temperature-sensitive bile salt export pump. <i>Journal of Hepatology</i> , 2004 , 40, 24-30	13.4	61
166	Activity and expression of the multidrug resistance proteins P-glycoprotein, MRP1, MRP2, MRP3 and MRP5 in de novo and relapsed acute myeloid leukemia. <i>Leukemia</i> , 2001 , 15, 1544-53	10.7	61
165	3-Hydroxy-3-methylglutaryl-coenzyme A reductase inhibitors (statins) induce hepatic expression of the phospholipid translocase mdr2 in rats. <i>Gastroenterology</i> , 1999 , 117, 678-87	13.3	61
164	genotype influences the gut microbiome structure and function in humans and mice: relevance for Alzheimer's disease pathophysiology. <i>FASEB Journal</i> , 2019 , 33, 8221-8231	0.9	60
163	Expression of anti-OV6 antibody and anti-N-CAM antibody along the biliary line of normal and diseased human livers. <i>Hepatology</i> , 2001 , 33, 1387-93	11.2	60
162	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
161	c-Met confers protection against chronic liver tissue damage and fibrosis progression after bile duct ligation in mice. <i>Gastroenterology</i> , 2009 , 137, 297-308, 308.e1-4	13.3	58
160	Challenges of molecular nutrition research 6: the nutritional phenotype database to store, share and evaluate nutritional systems biology studies. <i>Genes and Nutrition</i> , 2010 , 5, 189-203	4.3	58
159	The molecular genetics of familial intrahepatic cholestasis. <i>Gut</i> , 2000 , 47, 1-5	19.2	58
158	Dietary protein affects gene expression and prevents lipid accumulation in the liver in mice. <i>PLoS ONE</i> , 2012 , 7, e47303	3.7	57
157	Systems biology of the gut: the interplay of food, microbiota and host at the mucosal interface. <i>Current Opinion in Biotechnology</i> , 2010 , 21, 539-50	11.4	57
156	The Muscle Metabolome Differs between Healthy and Frail Older Adults. <i>Journal of Proteome Research</i> , 2016 , 15, 499-509	5.6	56
155	Glycogen synthase 2 is a novel target gene of peroxisome proliferator-activated receptors. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 1145-57	10.3	56

154	Hepatobiliary elimination of cationic drugs: the role of P-glycoproteins and other ATP-dependent transporters. <i>Advanced Drug Delivery Reviews</i> , 1997 , 25, 159-200	18.5	55
153	Uptake and metabolism of enterolactone and enterodiol by human colon epithelial cells. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 435, 74-82	4.1	55
152	Consumption of a high monounsaturated fat diet reduces oxidative phosphorylation gene expression in peripheral blood mononuclear cells of abdominally overweight men and women. <i>Journal of Nutrition</i> , 2012 , 142, 1219-25	4.1	54
151	Induction of Mdr1b expression by tumor necrosis factor-alpha in rat liver cells is independent of p53 but requires NF-kappaB signaling. <i>Hepatology</i> , 2001 , 33, 1425-31	11.2	54
150	Impact of Flavonoids on Cellular and Molecular Mechanisms Underlying Age-Related Cognitive Decline and Neurodegeneration. <i>Current Nutrition Reports</i> , 2018 , 7, 49-57	6	52
149	PPARalpha-mediated effects of dietary lipids on intestinal barrier gene expression. <i>BMC Genomics</i> , 2008 , 9, 231	4.5	52
148	The Interleukin-1 receptor antagonist is a direct target gene of PPARalpha in liver. <i>Journal of Hepatology</i> , 2007 , 46, 869-77	13.4	52
147	Sexually dimorphic characteristics of the small intestine and colon of prepubescent C57BL/6 mice. <i>Biology of Sex Differences</i> , 2014 , 5, 11	9.3	50
146	Human nutrigenomics of gene regulation by dietary fatty acids. <i>Progress in Lipid Research</i> , 2012 , 51, 63-70	14.3	50
145	Dietary haem stimulates epithelial cell turnover by downregulating feedback inhibitors of proliferation in murine colon. <i>Gut</i> , 2012 , 61, 1041-9	19.2	50
144	Diminished expression of multidrug resistance-associated protein 1 (MRP1) in bronchial epithelium of COPD patients. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2006 , 449, 682-8	5.1	50
143	Dietary heme induces acute oxidative stress, but delayed cytotoxicity and compensatory hyperproliferation in mouse colon. <i>Carcinogenesis</i> , 2013 , 34, 1628-35	4.6	49
142	Transport of glutathione conjugates into secretory vesicles is mediated by the multidrug-resistance protein 1. <i>International Journal of Cancer</i> , 1998 , 76, 55-62	7.5	49
141	Increased plasma citrulline in mice marks diet-induced obesity and may predict the development of the metabolic syndrome. <i>PLoS ONE</i> , 2013 , 8, e63950	3.7	49
140	Genome-wide mRNA expression analysis of hepatic adaptation to high-fat diets reveals switch from an inflammatory to steatotic transcriptional program. <i>PLoS ONE</i> , 2009 , 4, e6646	3.7	47
139	Dark chocolate consumption improves leukocyte adhesion factors and vascular function in overweight men. <i>FASEB Journal</i> , 2014 , 28, 1464-73	0.9	46
138	Function and regulation of ATP-binding cassette transport proteins involved in hepatobiliary transport. <i>European Journal of Pharmaceutical Sciences</i> , 2001 , 12, 525-43	5.1	46
137	ATP binding cassette transporter gene expression in rat liver progenitor cells. <i>Gut</i> , 2003 , 52, 1060-7	19.2	45

136	ATP-dependent transport of amphiphilic cations across the hepatocyte canalicular membrane mediated by mdr1 P-glycoprotein. <i>FEBS Letters</i> , 1994 , 343, 168-72	3.8	45
135	Hepatocyte specific deletion of c-Met leads to the development of severe non-alcoholic steatohepatitis in mice. <i>Journal of Hepatology</i> , 2014 , 61, 883-90	13.4	44
134	Markers of endogenous desaturase activity and risk of coronary heart disease in the CAREMA cohort study. <i>PLoS ONE</i> , 2012 , 7, e41681	3.7	44
133	Vitamin B(12) deficiency stimulates osteoclastogenesis via increased homocysteine and methylmalonic acid. <i>Calcified Tissue International</i> , 2009 , 84, 413-22	3.9	44
132	The challenges for molecular nutrition research 2: quantification of the nutritional phenotype. <i>Genes and Nutrition</i> , 2008 , 3, 51-9	4.3	43
131	Transcriptional control of hepatocanalicular transporter gene expression. <i>Seminars in Liver Disease</i> , 2000 , 20, 323-37	7.3	43
130	Fibroblast growth factor 21 reflects liver fat accumulation and dysregulation of signalling pathways in the liver of C57BL/6J mice. <i>Scientific Reports</i> , 2016 , 6, 30484	4.9	42
129	A cholesterol-free, high-fat diet suppresses gene expression of cholesterol transporters in murine small intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, G1171-80	5.1	42
128	Regulation of multidrug resistance 2 P-glycoprotein expression by bile salts in rats and in primary cultures of rat hepatocytes. <i>Hepatology</i> , 2000 , 32, 341-7	11.2	42
127	Structural, functional and molecular analysis of the effects of aging in the small intestine and colon of C57BL/6J mice. <i>BMC Medical Genomics</i> , 2012 , 5, 38	3.7	41
126	Impaired amino acid metabolism contributes to fasting-induced hypoglycemia in fatty acid oxidation defects. <i>Human Molecular Genetics</i> , 2013 , 22, 5249-61	5.6	41
125	Effects of resistant starch on behaviour, satiety-related hormones and metabolites in growing pigs. <i>Animal</i> , 2014 , 8, 1402-11	3.1	40
124	Nutrition and genes in the development of orofacial clefting. <i>Nutrition Reviews</i> , 2006 , 64, 280-8	6.4	40
123	Responses to high-fat challenges varying in fat type in subjects with different metabolic risk phenotypes: a randomized trial. <i>PLoS ONE</i> , 2012 , 7, e41388	3.7	38
122	Exploring genetic determinants of plasma total cholesterol levels and their predictive value in a longitudinal study. <i>Atherosclerosis</i> , 2010 , 213, 200-5	3.1	38
121	Exploration of PPAR functions by microarray technology--a paradigm for nutrigenomics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 1046-64	5	38
120	Jnk1 in murine hepatic stellate cells is a crucial mediator of liver fibrogenesis. <i>Gut</i> , 2014 , 63, 1159-72	19.2	37
119	Comparative transcriptomic and metabolomic analysis of fenofibrate and fish oil treatments in mice. <i>Physiological Genomics</i> , 2011 , 43, 1307-18	3.6	37

118	Literature-based genetic risk scores for coronary heart disease: the Cardiovascular Registry Maastricht (CAREMA) prospective cohort study. <i>Circulation: Cardiovascular Genetics</i> , 2012 , 5, 202-9		37
117	Adenosine triphosphate-dependent copper transport in isolated rat liver plasma membranes. <i>Journal of Clinical Investigation</i> , 1995 , 95, 412-6	15.9	37
116	Dose-dependent effects of dietary fat on development of obesity in relation to intestinal differential gene expression in C57BL/6J mice. <i>PLoS ONE</i> , 2011 , 6, e19145	3.7	36
115	Resistant starch induces catabolic but suppresses immune and cell division pathways and changes the microbiome in the proximal colon of male pigs. <i>Journal of Nutrition</i> , 2013 , 143, 1889-98	4.1	35
114	Impaired activity of the bile canalicular organic anion transporter (Mrp2/cmoat) is not the main cause of ethinylestradiol-induced cholestasis in the rat. <i>Hepatology</i> , 1998 , 27, 537-45	11.2	35
113	The potential influence of genetic variants in genes along bile acid and bile metabolic pathway on blood cholesterol levels in the population. <i>Atherosclerosis</i> , 2010 , 210, 14-27	3.1	34
112	Activation of peroxisome proliferator-activated receptor alpha in human peripheral blood mononuclear cells reveals an individual gene expression profile response. <i>BMC Genomics</i> , 2008 , 9, 262	4.5	34
111	Disturbed hepatic carbohydrate management during high metabolic demand in medium-chain acyl-CoA dehydrogenase (MCAD)-deficient mice. <i>Hepatology</i> , 2008 , 47, 1894-904	11.2	34
110	Cross-species comparison of genes related to nutrient sensing mechanisms expressed along the intestine. <i>PLoS ONE</i> , 2014 , 9, e107531	3.7	34
109	Identification of a mammalian silicon transporter. <i>American Journal of Physiology - Cell Physiology</i> , 2017 , 312, C550-C561	5.4	33
108	Postprandial fatty acid specific changes in circulating oxylipins in lean and obese men after high-fat challenge tests. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 591-600	5.9	33
107	PUFAs acutely affect triacylglycerol-derived skeletal muscle fatty acid uptake and increase postprandial insulin sensitivity. <i>American Journal of Clinical Nutrition</i> , 2012 , 95, 825-36	7	33
106	Gene expression of transporters and phase I/II metabolic enzymes in murine small intestine during fasting. <i>BMC Genomics</i> , 2007 , 8, 267	4.5	33
105	Stereoselective transport of hydrophilic quaternary drugs by human MDR1 and rat Mdr1b P-glycoproteins. <i>British Journal of Pharmacology</i> , 2002 , 135, 1685-94	8.6	33
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