Michael Muller

List of Publications by Year
in descending order

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267 papers	24,068 citations	4942 84 h-index	9073 144 g-index
300 all docs	300 docs citations	300 times ranked	29833 citing authors

#	Article	IF	Citations
1	Peroxisome proliferator-activated receptor a target genes. Cellular and Molecular Life Sciences, 2004, 61, 393-416.	2.4	874
2	Peroxisome Proliferator-Activated Receptor Alpha Target Genes. PPAR Research, 2010, 2010, 1-20.	1.1	584
3	Overexpression of the gene encoding the multidrug resistance-associated protein results in increased ATP-dependent glutathione S-conjugate transport.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 13033-13037.	3.3	570
4	Nutrigenomics: goals and strategies. Nature Reviews Genetics, 2003, 4, 315-322.	7.7	566
5	The Inflammasome-Mediated Caspase-1 Activation Controls Adipocyte Differentiation and Insulin Sensitivity. Cell Metabolism, 2010, 12, 593-605.	7.2	558
6	Modulation of Mucosal Immune Response, Tolerance, and Proliferation in Mice Colonized by the Mucin-Degrader Akkermansia muciniphila. Frontiers in Microbiology, 2011, 2, 166.	1.5	438
7	Hepatocanalicular bile salt export pump deficiency in patients with progressive familial intrahepatic cholestasis. Gastroenterology, 1999, 117, 1370-1379.	0.6	423
8	Gut-derived short-chain fatty acids are vividly assimilated into host carbohydrates and lipids. American Journal of Physiology - Renal Physiology, 2013, 305, G900-G910.	1.6	401
9	Kupffer cells promote hepatic steatosis via interleukin-1Î²-dependent suppression of peroxisome proliferator-activated receptor Î± activity. Hepatology, 2010, 51, 511-522.	3.6	381
10	Detection of prokaryotic mRNA signifies microbial viability and promotes immunity. Nature, 2011, 474, 385-389.	13.7	378
11	The Fasting-induced Adipose Factor/Angiopoietin-like Protein 4 Is Physically Associated with Lipoproteins and Governs Plasma Lipid Levels and Adiposity. Journal of Biological Chemistry, 2006, 281, 934-944.	1.6	366
12	Up-regulation of the multidrug resistance genes,Mrp1andMdr1b, and down-regulation of the organic anion transporter, Mrp2, and the bile salt transporter, Spgp, in endotoxemic rat liver. Hepatology, 1998, 28, 1637-1644.	3.6	331
13	Saturated fat stimulates obesity and hepatic steatosis and affects gut microbiota composition by an enhanced overflow of dietary fat to the distal intestine. American Journal of Physiology - Renal Physiology, 2012, 303, G589-G599.	1.6	330
14	Gut microbiota facilitates dietary heme-induced epithelial hyperproliferation by opening the mucus barrier in colon. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10038-10043.	3.3	323
15	A Consideration of Biomarkers to be Used for Evaluation of Inflammation in Human Nutritional Studies. British Journal of Nutrition, 2013, 109, S1-S34.	1.2	296
16	Hepatic acute-phase proteins control innate immune responses during infection by promoting myeloid-derived suppressor cell function. Journal of Experimental Medicine, 2010, 207, 1453-1464.	4.2	295
17	A Diet High in Resistant Starch Modulates Microbiota Composition, SCFA Concentrations, and Gene Expression in Pig Intestine. Journal of Nutrition, 2013, 143, 274-283.	1.3	281
18	Fish-oil supplementation induces antiinflammatory gene expression profiles in human blood mononuclear cells. American Journal of Clinical Nutrition, 2009, 90, 415-424.	2.2	277

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19	Longer lifespan in male mice treated with a weakly estrogenic agonist, an antioxidant, an Î±â€glucosidase inhibitor or a Nrf2â€inducer. Aging Cell, 2016, 15, 872-884.	3.0	277
20	Peroxisome Proliferator-Activated Receptor Î± Mediates the Effects of High-Fat Diet on Hepatic Gene Expression. Endocrinology, 2006, 147, 1508-1516.	1.4	272
21	Bioactive compounds: Definition and assessment of activity. Nutrition, 2009, 25, 1202-1205.	1.1	257
22	The homodimeric ATP-binding cassette transporter LmrA mediates multidrug transport by an alternating two-site (two-cylinder engine) mechanism. EMBO Journal, 2000, 19, 2503-2514.	3.5	248
23	A saturated fatty acidâ€“rich diet induces an obesity-linked proinflammatory gene expression profile in adipose tissue of subjects at risk of metabolic syndrome. American Journal of Clinical Nutrition, 2009, 90, 1656-1664.	2.2	247
24	Comparative Analysis of Gene Regulation by the Transcription Factor PPARÎ± between Mouse and Human. PLoS ONE, 2009, 4, e6796.	1.1	245
25	Farnesoid X receptor and bile salts are involved in transcriptional regulation of the gene encoding the human bile salt export pump. Hepatology, 2002, 35, 589-596.	3.6	241
26	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. Journal of Biological Chemistry, 2004, 279, 34411-34420.	1.6	229
27	Angptl4 Protects against Severe Proinflammatory Effects of Saturated Fat by Inhibiting Fatty Acid Uptake into Mesenteric Lymph Node Macrophages. Cell Metabolism, 2010, 12, 580-592.	7.2	225
28	ATP- and glutathione-dependent transport of chemotherapeutic drugs by the multidrug resistance protein MRP1. British Journal of Pharmacology, 1999, 126, 681-688.	2.7	224
29	Nutrigenomics: From Molecular Nutrition to Prevention of Disease. Journal of the American Dietetic Association, 2006, 106, 569-576.	1.3	221
30	Short-Chain Fatty Acids Stimulate Angiopoietin-Like 4 Synthesis in Human Colon Adenocarcinoma Cells by Activating Peroxisome Proliferator-Activated Receptor Î³. Molecular and Cellular Biology, 2013, 33, 1303-1316.	1.1	219
31	PPARs, Obesity, and Inflammation. PPAR Research, 2007, 2007, 1-10.	1.1	218
32	TAK1 Suppresses a NEMO-Dependent but NF-ÎºB-Independent Pathway to Liver Cancer. Cancer Cell, 2010, 17, 481-496.	7.7	207
33	PPARÎ± governs glycerol metabolism. Journal of Clinical Investigation, 2004, 114, 94-103.	3.9	207
34	Drug transport proteins in the liver. Advanced Drug Delivery Reviews, 2003, 55, 107-124.	6.6	198
35	The G0/G1 switch gene 2 is a novel PPAR target gene. Biochemical Journal, 2005, 392, 313-324.	1.7	190
36	PPARÎ± and dyslipidemia. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 961-971.	1.2	187

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37	IL-37 protects against obesity-induced inflammation and insulin resistance. Nature Communications, 2014, 5, 4711.	5.8	186
38	Comprehensive Analysis of PPAR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="E1"><mml:mi>Î±</mml:mi></mml:math>-Dependent Regulation of Hepatic Lipid Metabolism by Expression Profiling. PPAR Research, 2007, 2007, 1-13.	1.1	178
39	Caloric Restriction and Exercise Increase Plasma ANGPTL4 Levels in Humans via Elevated Free Fatty Acids. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 969-974.	1.1	177
40	Peroxisome Proliferator-activated Receptor Î³ Activation Promotes Infiltration of Alternatively Activated Macrophages into Adipose Tissue. Journal of Biological Chemistry, 2008, 283, 22620-22627.	1.6	172
41	The IL-6â€“gp130â€“STAT3 pathway in hepatocytes triggers liver protection in T cellâ€–mediated liver injury. Journal of Clinical Investigation, 2005, 115, 860-869.	3.9	172
42	Peroxisome Proliferator-Activated Receptor Î± Protects against Obesity-Induced Hepatic Inflammation. Endocrinology, 2007, 148, 2753-2763.	1.4	168
43	Angptl4 Upregulates Cholesterol Synthesis in Liver via Inhibition of LPL- and HL-Dependent Hepatic Cholesterol Uptake. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2420-2427.	1.1	157
44	Cholestasis caused by inhibition of the adenosine triphosphate-dependent bile salt transport in rat liver. Gastroenterology, 1994, 107, 255-265.	0.6	156
45	Adipose Tissue Dysfunction Signals Progression of Hepatic Steatosis Towards Nonalcoholic Steatohepatitis in C57Bl/6 Mice. Diabetes, 2010, 59, 3181-3191.	0.3	156
46	The role of the small intestine in the development of dietary fat-induced obesity and insulin resistance in C57BL/6J mice. BMC Medical Genomics, 2008, 1, 14.	0.7	147
47	Multidrug resistance related molecules in human and murine lung. Journal of Clinical Pathology, 2002, 55, 332-339.	1.0	142
48	Recognition of microbial viability via TLR8 drives TFH cell differentiation and vaccine responses. Nature Immunology, 2018, 19, 386-396.	7.0	139
49	The case for strategic international alliances to harness nutritional genomics for public and personal health. British Journal of Nutrition, 2005, 94, 623-632.	1.2	137
50	Genome-wide age-related changes in DNA methylation and gene expression in human PBMCs. Age, 2014, 36, 9648.	3.0	135
51	Increased levels of the multidrug resistance protein in lateral membranes of proliferating hepatocyte-derived cells. Gastroenterology, 1997, 112, 511-521.	0.6	132
52	Multispecific amphipathic substrate transport by an organic anion transporter of human liver. Journal of Hepatology, 1996, 25, 733-738.	1.8	130
53	Genome-wide analysis of PPARÎ± activation in murine small intestine. Physiological Genomics, 2007, 30, 192-204.	1.0	129
54	Phenotyping the effect of diet on non-alcoholic fatty liver disease. Journal of Hepatology, 2012, 57, 1370-1373.	1.8	129

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55	User-friendly solutions for microarray quality control and pre-processing on ArrayAnalysis.org. Nucleic Acids Research, 2013, 41, W71-W76.	6.5	127
56	APOEgenotype influences the gut microbiome structure and function in humans and mice: relevance for Alzheimer's disease pathophysiology. FASEB Journal, 2019, 33, 8221-8231.	0.2	124
57	Peroxisome Proliferator-Activated Receptor Î²/Î´ (PPARÎ²/Î´) but Not PPARÎ± Serves as a Plasma Free Fatty Acid Sensor in Liver. Molecular and Cellular Biology, 2009, 29, 6257-6267.	1.1	123
58	Fasting induces changes in peripheral blood mononuclear cell gene expression profiles related to increases in fatty acid Î²-oxidation: functional role of peroxisome proliferatorâ€“activated receptor Î± in human peripheral blood mononuclear cells. American Journal of Clinical Nutrition, 2007, 86, 1515-1523.	2.2	122
59	PPARÎ± governs glycerol metabolism. Journal of Clinical Investigation, 2004, 114, 94-103.	3.9	121
60	Induction of Cardiac Angptl4 by Dietary Fatty Acids Is Mediated by Peroxisome Proliferator-Activated Receptor Î²/Î´ and Protects Against Fatty Acidâ€“Induced Oxidative Stress. Circulation Research, 2010, 106, 1712-1721.	2.0	118
61	Differential inhibition by cyclosporins of primary-active ATP-dependent transporters in the hepatocyte canalicular membrane. FEBS Letters, 1993, 333, 193-196.	1.3	117
62	Expression and activity of breast cancer resistance protein (BCRP) in de novo and relapsed acute myeloid leukemia. Blood, 2002, 99, 3763-3770.	0.6	116
63	Regulation of hepatic transport systems involved in bile secretion during liver regeneration in rats. Hepatology, 1999, 29, 1833-1839.	3.6	115
64	The effects of 30 days resveratrol supplementation on adipose tissue morphology and gene expression patterns in obese men. International Journal of Obesity, 2014, 38, 470-473.	1.6	115
65	The secretory function of the liver: new aspects of hepatobiliary transport. Journal of Hepatology, 1998, 28, 344-354.	1.8	114
66	Short-term high fat-feeding results in morphological and metabolic adaptations in the skeletal muscle of C57BL/6J mice. Physiological Genomics, 2008, 32, 360-369.	1.0	114
67	Transcriptional profiling reveals divergent roles of PPARÎ± and PPARÎ²/Î´ in regulation of gene expression in mouse liver. Physiological Genomics, 2010, 41, 42-52.	1.0	113
68	Profiling of promoter occupancy by PPARÎ± in human hepatoma cells via ChIP-chip analysis. Nucleic Acids Research, 2010, 38, 2839-2850.	6.5	112
69	The Cholesterol-Raising Factor from Coffee Beans, Cafestol, as an Agonist Ligand for the Farnesoid and Pregnane X Receptors. Molecular Endocrinology, 2007, 21, 1603-1616.	3.7	107
70	Pronounced Effects of Acute Endurance Exercise on Gene Expression in Resting and Exercising Human Skeletal Muscle. PLoS ONE, 2012, 7, e51066.	1.1	107
71	Multidrug resistance protein MRP1 protects against the toxicity of the major lipid peroxidation product 4-hydroxynonenal. Biochemical Journal, 2000, 350, 555-561.	1.7	104
72	The molecular genetics of familial intrahepatic cholestasis. Gut, 2000, 47, 1-5.	6.1	103

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73	Dietary Heme Alters Microbiota and Mucosa of Mouse Colon without Functional Changes in Host-Microbe Cross-Talk. PLoS ONE, 2012, 7, e49868.	1.1	99
74	Nutrigenomics: The Impact of Biomics Technology on Nutrition Research. Annals of Nutrition and Metabolism, 2005, 49, 355-365.	1.0	98
75	Postprandial dietary lipidâ€“specific effects on human peripheral blood mononuclear cell gene expression profiles. American Journal of Clinical Nutrition, 2010, 91, 208-217.	2.2	98
76	MADMAX â€“ Management and analysis database for multiple ~omics experiments. Journal of Integrative Bioinformatics, 2011, 8, 59-74.	1.0	98
77	Localization of the Wilson's disease protein in human liver. Gastroenterology, 1999, 117, 1380-1385.	0.6	92
78	Biliary fibrosis associated with altered bile composition in a mouse model of erythropoietic protoporphyria. Gastroenterology, 1999, 117, 696-705.	0.6	91
79	The (patho)physiological functions of the MRP family. Drug Resistance Updates, 2000, 3, 289-302.	6.5	91
80	Effect of Synthetic Dietary Triglycerides: A Novel Research Paradigm for Nutrigenomics. PLoS ONE, 2008, 3, e1681.	1.1	91
81	The IL-6-gp130-STAT3 pathway in hepatocytes triggers liver protection in T cell-mediated liver injury. Journal of Clinical Investigation, 2005, 115, 860-9.	3.9	90
82	MADMAX - Management and analysis database for multiple ~omics experiments. Journal of Integrative Bioinformatics, 2011, 8, 160.	1.0	90
83	Immortalized human hepatocytes as a tool for the study of hepatocytic (de-)differentiation. Cell Biology and Toxicology, 1997, 13, 375-386.	2.4	89
84	Hepatocyte caspase-8 is an essential modulator of steatohepatitis in rodents. Hepatology, 2013, 57, 2189-2201.	3.6	89
85	Differential expression of sphingolipids in MRP1 overexpressing HT29 cells. International Journal of Cancer, 2000, 87, 172-178.	2.3	86
86	Dietary nâˆ’3 and nâˆ’6 polyunsaturated fatty acid intake interacts with FADS1 genetic variation to affect total and HDL-cholesterol concentrations in the Doetinchem Cohort Study. American Journal of Clinical Nutrition, 2010, 92, 258-265.	2.2	85
87	Bile salt sequestration induces hepaticde novolipogenesis through farnesoid X receptor- and liver X receptorÎ±-controlled metabolic pathways in mice. Hepatology, 2010, 51, 806-816.	3.6	84
88	Combined Activities of JNK1 and JNK2 in Hepatocytes Protect Against Toxic Liver Injury. Gastroenterology, 2016, 150, 968-981.	0.6	82
89	A Combined Transcriptomics and Lipidomics Analysis of Subcutaneous, Epididymal and Mesenteric Adipose Tissue Reveals Marked Functional Differences. PLoS ONE, 2010, 5, e11525.	1.1	79
90	Overexpression of Angiopoietin-Like Protein 4 Protects Against Atherosclerosis Development. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1529-1537.	1.1	79

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91	Genes and cholestasis. Hepatology, 2001, 34, 1067-1074.	3.6	77
92	Carrier-mediated transport in the hepatic distribution and elimination of drugs, with special reference to the category of organic cations. Journal of Pharmacokinetics and Pharmacodynamics, 1990, 18, 35-70.	0.6	76
93	The Muscle Metabolome Differs between Healthy and Frail Older Adults. Journal of Proteome Research, 2016, 15, 499-509.	1.8	76
94	Impact of Flavonoids on Cellular and Molecular Mechanisms Underlying Age-Related Cognitive Decline and Neurodegeneration. Current Nutrition Reports, 2018, 7, 49-57.	2.1	75
95	The Role of Drug Efflux Pumps in Acute Myeloid Leukemia. Leukemia and Lymphoma, 2002, 43, 685-701.	0.6	74
96	Fibroblast growth factor 21 reflects liver fat accumulation and dysregulation of signalling pathways in the liver of C57BL/6J mice. Scientific Reports, 2016, 6, 30484.	1.6	72
97	Contribution of the murine mdr1a P-glycoprotein to hepatobiliary and intestinal elimination of cationic drugs as measured in mice with anmdr1agene disruption. Hepatology, 1998, 27, 1056-1063.	3.6	71
98	Secretion of Organic Anions by Hepatocytes: Involvement of Homologues of the Multidrug Resistance Protein. Seminars in Liver Disease, 1996, 16, 211-220.	1.8	70
99	Expression of anti-OV6 antibody and anti-N-CAM antibody along the biliary line of normal and diseased human livers. Hepatology, 2001, 33, 1387-1393.	3.6	70
100	Differential effects of streptozotocin-induced diabetes on expression of hepatic ABC-transporters in rats. Gastroenterology, 2002, 122, 1842-1852.	0.6	67
101	Glycogen synthase 2 is a novel target gene of peroxisome proliferator-activated receptors. Cellular and Molecular Life Sciences, 2007, 64, 1145-1157.	2.4	67
102	c-Met Confers Protection Against Chronic Liver Tissue Damage and Fibrosis Progression After Bile Duct Ligation in Mice. Gastroenterology, 2009, 137, 297-308.e4.	0.6	67
103	A progressive familial intrahepatic cholestasis type 2 mutation causes an unstable, temperature-sensitive bile salt export pump. Journal of Hepatology, 2004, 40, 24-30.	1.8	66
104	The Interleukin-1 receptor antagonist is a direct target gene of PPARÎ± in liver. Journal of Hepatology, 2007, 46, 869-877.	1.8	66
105	Regulation of bloodâ€“brain barrier integrity by microbiome-associated methylamines and cognition by trimethylamine N-oxide. Microbiome, 2021, 9, 235.	4.9	65
106	Activity and expression of the multidrug resistance proteins P-glycoprotein, MRP1, MRP2, MRP3 and MRP5 in de novo and relapsed acute myeloid leukemia. Leukemia, 2001, 15, 1544-1553.	3.3	64
107	PPARalpha-mediated effects of dietary lipids on intestinal barrier gene expression. BMC Genomics, 2008, 9, 231.	1.2	64
108	Challenges of molecular nutrition research 6: the nutritional phenotype database to store, share and evaluate nutritional systems biology studies. Genes and Nutrition, 2010, 5, 189-203.	1.2	64

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109	Alterations in hepatic one-carbon metabolism and related pathways following a high-fat dietary intervention. Physiological Genomics, 2011, 43, 408-416.	1.0	64
110	Systems biology of the gut: the interplay of food, microbiota and host at the mucosal interface. Current Opinion in Biotechnology, 2010, 21, 539-550.	3.3	62
111	Hepatobiliary elimination of cationic drugs: the role of P-glycoproteins and other ATP-dependent transporters. Advanced Drug Delivery Reviews, 1997, 25, 159-200.	6.6	61
112	3-hydroxy-3-methylglutarylâ€“coenzyme a reductase inhibitors (statins) induce hepatic expression of the phospholipid translocase mdr2 in rats. Gastroenterology, 1999, 117, 678-687.	0.6	61
113	Induction of Mdr1b expression by tumor necrosis factor-Î± in rat liver cells is independent of p53 but requires NF-ÎºB signaling. Hepatology, 2001, 33, 1425-1431.	3.6	61
114	Dietary Protein Affects Gene Expression and Prevents Lipid Accumulation in the Liver in Mice. PLoS ONE, 2012, 7, e47303.	1.1	61
115	Impaired amino acid metabolism contributes to fasting-induced hypoglycemia in fatty acid oxidation defects. Human Molecular Genetics, 2013, 22, 5249-5261.	1.4	61
116	Sexually dimorphic characteristics of the small intestine and colon of prepubescent C57BL/6 mice. Biology of Sex Differences, 2014, 5, 11.	1.8	61
117	Human nutrigenomics of gene regulation by dietary fatty acids. Progress in Lipid Research, 2012, 51, 63-70.	5.3	60
118	Consumption of a High Monounsaturated Fat Diet Reduces Oxidative Phosphorylation Gene Expression in Peripheral Blood Mononuclear Cells of Abdominally Overweight Men and Women. Journal of Nutrition, 2012, 142, 1219-1225.	1.3	60
119	Increased Plasma Citrulline in Mice Marks Diet-Induced Obesity and May Predict the Development of the Metabolic Syndrome. PLoS ONE, 2013, 8, e63950.	1.1	60
120	Uptake and metabolism of enterolactone and enterodiol by human colon epithelial cells. Archives of Biochemistry and Biophysics, 2005, 435, 74-82.	1.4	59
121	Dietary haem stimulates epithelial cell turnover by downregulating feedback inhibitors of proliferation in murine colon. Gut, 2012, 61, 1041-1049.	6.1	59
122	Microbial-derived metabolites as a risk factor of age-related cognitive decline and dementia. Molecular Neurodegeneration, 2022, 17, .	4.4	59
123	Dietary heme induces acute oxidative stress, but delayed cytotoxicity and compensatory hyperproliferation in mouse colon. Carcinogenesis, 2013, 34, 1628-1635.	1.3	58
124	Hepatocyte specific deletion of c-Met leads to the development of severe non-alcoholic steatohepatitis in mice. Journal of Hepatology, 2014, 61, 883-890.	1.8	58
125	Diminished expression of multidrug resistance-associated protein 1 (MRP1) in bronchial epithelium of COPD patients. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2006, 449, 682-688.	1.4	57
126	Transport of glutathione conjugates into secretory vesicles is mediated by the multidrug-resistance protein 1. , 1998, 76, 55-62.		56

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127	ATP binding cassette transporter gene expression in rat liver progenitor cells. Gut, 2003, 52, 1060-1067.	6.1	55
128	Expression of protocadherin gamma in skeletal muscle tissue is associated with age and muscle weakness. Journal of Cachexia, Sarcopenia and Muscle, 2016, 7, 604-614.	2.9	55
129	Vitamin B12 Deficiency Stimulates Osteoclastogenesis via Increased Homocysteine and Methylmalonic Acid. Calcified Tissue International, 2009, 84, 413-422.	1.5	54
130	The challenges for molecular nutrition research 2: quantification of the nutritional phenotype. Genes and Nutrition, 2008, 3, 51-59.	1.2	53
131	Literature-Based Genetic Risk Scores for Coronary Heart Disease. Circulation: Cardiovascular Genetics, 2012, 5, 202-209.	5.1	53
132	Dark chocolate consumption improves leukocyte adhesion factors and vascular function in overweight men. FASEB Journal, 2014, 28, 1464-1473.	0.2	53
133	Nutrition and Genes in the Development of Orofacial Clefting. Nutrition Reviews, 2006, 64, 280-288.	2.6	52
134	Genome-Wide mRNA Expression Analysis of Hepatic Adaptation to High-Fat Diets Reveals Switch from an Inflammatory to Steatotic Transcriptional Program. PLoS ONE, 2009, 4, e6646.	1.1	52
135	Function and regulation of ATP-binding cassette transport proteins involved in hepatobiliary transport. European Journal of Pharmaceutical Sciences, 2001, 12, 525-543.	1.9	51
136	Transcriptional Control of Hepatocanalicular Transporter Gene Expression. Seminars in Liver Disease, 2000, Volume 20, 323-338.	1.8	50
137	A cholesterol-free, high-fat diet suppresses gene expression of cholesterol transporters in murine small intestine. American Journal of Physiology - Renal Physiology, 2008, 294, G1171-G1180.	1.6	49
138	ATP-dependent transport of amphiphilic cations across the hepatocyte canalicular membrane mediated bymdr1P-glycoprotein. FEBS Letters, 1994, 343, 168-172.	1.3	48
139	Structural, functional and molecular analysis of the effects of aging in the small intestine and colon of C57BL/6J mice. BMC Medical Genomics, 2012, 5, 38.	0.7	48
140	Responses to High-Fat Challenges Varying in Fat Type in Subjects with Different Metabolic Risk Phenotypes: A Randomized Trial. PLoS ONE, 2012, 7, e41388.	1.1	47
141	Effects of resistant starch on behaviour, satiety-related hormones and metabolites in growing pigs. Animal, 2014, 8, 1402-1411.	1.3	47
142	Jnk1 in murine hepatic stellate cells is a crucial mediator of liver fibrogenesis. Gut, 2014, 63, 1159-1172.	6.1	47
143	Integrative analysis of gut microbiota composition, host colonic gene expression and intraluminal metabolites in aging C57BL/6J mice. Aging, 2018, 10, 930-950.	1.4	46
144	Regulation of multidrug resistance 2 P-glycoprotein expression by bile salts in rats and in primary cultures of rat hepatocytes. Hepatology, 2000, 32, 341-347.	3.6	45

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145	Markers of Endogenous Desaturase Activity and Risk of Coronary Heart Disease in the CAREMA Cohort Study. PLoS ONE, 2012, 7, e41681.	1.1	45
146	Dietary soy and meat proteins induce distinct physiological and gene expression changes in rats. Scientific Reports, 2016, 6, 20036.	1.6	45
147	Identification of a mammalian silicon transporter. American Journal of Physiology - Cell Physiology, 2017, 312, C550-C561.	2.1	45
148	Cross-Species Comparison of Genes Related to Nutrient Sensing Mechanisms Expressed along the Intestine. PLoS ONE, 2014, 9, e107531.	1.1	45
149	Dose-Dependent Effects of Dietary Fat on Development of Obesity in Relation to Intestinal Differential Gene Expression in C57BL/6J Mice. PLoS ONE, 2011, 6, e19145.	1.1	44
150	Impaired activity of the bile canalicular organic anion transporter (Mrp2/cmoat) is not the main cause of ethinylestradiol-induced cholestasis in the rat. Hepatology, 1998, 27, 537-545.	3.6	43
151	Exploration of PPAR functions by microarray technologyâ€"A paradigm for nutrigenomics. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 1046-1064.	1.2	43
152	Resistant Starch Induces Catabolic but Suppresses Immune and Cell Division Pathways and Changes the Microbiome in the Proximal Colon of Male Pigs. Journal of Nutrition, 2013, 143, 1889-1898.	1.3	43
153	Comparative transcriptomic and metabolomic analysis of fenofibrate and fish oil treatments in mice. Physiological Genomics, 2011, 43, 1307-1318.	1.0	42
154	PUFAs acutely affect triacylglycerol-derived skeletal muscle fatty acid uptake and increase postprandial insulin sensitivity. American Journal of Clinical Nutrition, 2012, 95, 825-836.	2.2	42
155	The potential influence of genetic variants in genes along bile acid and bile metabolic pathway on blood cholesterol levels in the population. Atherosclerosis, 2010, 210, 14-27.	0.4	41
156	Exploring genetic determinants of plasma total cholesterol levels and their predictive value in a longitudinal study. Atherosclerosis, 2010, 213, 200-205.	0.4	41
157	Comparison of the effects of five dietary fibers on mucosal transcriptional profiles, and luminal microbiota composition and SCFA concentrations in murine colon. Molecular Nutrition and Food Research, 2015, 59, 1590-1602.	1.5	41
158	Behavioural changes are a major contributing factor in the reduction of sarcopenia in caloric-restricted ageing mice. Journal of Cachexia, Sarcopenia and Muscle, 2015, 6, 253-268.	2.9	40
159	Adenosine triphosphate-dependent copper transport in isolated rat liver plasma membranes.. Journal of Clinical Investigation, 1995, 95, 412-416.	3.9	40
160	Postprandial fatty acid specific changes in circulating oxylipins in lean and obese men after highâ€fat challenge tests. Molecular Nutrition and Food Research, 2014, 58, 591-600.	1.5	39
161	Maternal Western-Style High Fat Diet Induces Sex-Specific Physiological and Molecular Changes in Two-Week-Old Mouse Offspring. PLoS ONE, 2013, 8, e78623.	1.1	39
162	Transport systems for amphipathic compounds in normal and neoplastic hepatocytes. Advances in Enzyme Regulation, 1988, 27, 153-158.	2.9	38

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163	Gene expression of transporters and phase I/II metabolic enzymes in murine small intestine during fasting. BMC Genomics, 2007, 8, 267.	1.2	38
164	Nor-ursodeoxycholic acid reverses hepatocyte-specific nemo-dependent steatohepatitis. Gut, 2011, 60, 387-396.	6.1	38
165	Function and regulation of ATP-binding cassette transport proteins involved in hepatobiliary transport. European Journal of Pharmaceutical Sciences, 2000, 12, 13-30.	1.9	37
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