Mark V Boekschoten

List of Publications by Year
in descending order

120	7,492	50170	58464
papers	citations	46 h-index	82 g-index

133	133	133	14358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hepatocyte-specific NRF2 activation controls fibrogenesis and carcinogenesis in steatohepatitis. Journal of Hepatology, 2021, 74, 638-648.	1.8	84
2	Immunomodulating effects of 13- and 16-hydroxylated docosahexaenoyl ethanolamide in LPS stimulated RAW264.7 macrophages. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2021, 1866, 158908.	1.2	8
3	Early-onset preeclampsia, plasma microRNAs, and endothelial cell function. American Journal of Obstetrics and Gynecology, 2020, 222, 497.e1-497.e12.	0.7	29
4	Hepatocytic C-jun NH2 terminal kinase activity confers protection against cholestatic liver injury in mice. Journal of Hepatology, 2020, 73, S523-S524.	1.8	0
5	Impact of protein supplementation during endurance training on changes in skeletal muscle transcriptome. BMC Genomics, 2020, 21, 397.	1.2	4
6	Loss of câ€Jun Nâ€terminal Kinase 1 and 2 Function in Liver Epithelial Cells Triggers Biliary Hyperproliferation Resembling Cholangiocarcinoma. Hepatology Communications, 2020, 4, 834-851.	2.0	17
7	Anti-inflammatory nutrition with high protein attenuates cardiac and skeletal muscle alterations in a pulmonary arterial hypertension model. Scientific Reports, 2019, 9, 10160.	1.6	10
8	THU-479-The hepatocyte specific role of the NRF2/KEAP1 axis for HCC Progression during chronic liver disease. Journal of Hepatology, 2019, 70, e372.	1.8	0
9	DOF2.1 Controls Cytokinin-Dependent Vascular Cell Proliferation Downstream of TMO5/LHW. Current Biology, 2019, 29, 520-529.e6.	1.8	80
10	No effect of 25-hydroxyvitamin D supplementation on the skeletal muscle transcriptome in vitamin D deficient frail older adults. BMC Geriatrics, 2019, 19, 151.	1.1	12
11	Age-associated Impairment of the Mucus Barrier Function is Associated with Profound Changes in Microbiota and Immunity. Scientific Reports, 2019, 9, 1437.	1.6	138
12	A Robust Auxin Response Network Controls Embryo and Suspensor Development through a Basic Helix Loop Helix Transcriptional Module. Plant Cell, 2019, 31, 52-67.	3.1	37
13	Mobile PEAR transcription factors integrate positional cues to prime cambial growth. Nature, 2019, 565, 490-494.	13.7	195
14	CHAPTER 26. The Dyslipidemic Effect of Coffee Diterpenes. , 2019, , 541-547.		0
15	CHAPTER 19. Potential Anti-carcinogenic Effects of Coffee Diterpenes. , 2019, , 456-460.		0
16	Effects of gut microbiota manipulation on ex vivo lipolysis in human abdominal subcutaneous adipocytes. Adipocyte, 2018, 7, 1-7.	1.3	0
17	The acute effects on duodenal gene expression in healthy men following consumption of a low-fat meal enriched with theobromine or fat. Scientific Reports, 2018, 8, 1700.	1.6	7
18	Plasticity of lifelong calorieâ€restricted C57<scp>BL</scp>/6J mice in adapting to a mediumâ€fat diet intervention at old age. Aging Cell, 2018, 17, e12696.	3.0	8

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19	Weight loss moderately affects the mixed meal challenge response of the plasma metabolome and transcriptome of peripheral blood mononuclear cells in abdominally obese subjects. Metabolomics, 2018, 14, 46.	1.4	18
20	Recognition of microbial viability via TLR8 drives TFH cell differentiation and vaccine responses. Nature Immunology, 2018, 19, 386-396.	7.0	139
21	Theobromine does not affect postprandial lipid metabolism and duodenal gene expression, but has unfavorable effects on postprandial glucose and insulin responses in humans. Clinical Nutrition, 2018, 37, 719-727.	2.3	13
22	SerpinA3N is a novel hypothalamic gene upregulated by a high-fat diet and leptin in mice. Genes and Nutrition, 2018, 13, 28.	1.2	29
23	Global testing of shifts in metabolic phenotype. Metabolomics, 2018, 14, 139.	1.4	4
24	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
25	Sex differences in lipid metabolism are affected by presence of the gut microbiota. Scientific Reports, 2018, 8, 13426.	1.6	68
26	Changes in intestinal gene expression and microbiota composition during late pregnancy are mouse strain dependent. Scientific Reports, 2018, 8, 10001.	1.6	22
27	Sex and strain dependent differences in mucosal immunology and microbiota composition in mice. Biology of Sex Differences, 2018, 9, 26.	1.8	110
28	Circadian misalignment induces fatty acid metabolism gene profiles and compromises insulin sensitivity in human skeletal muscle. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7789-7794.	3.3	138
29	The effects of polyphenol supplementation on adipose tissue morphology and gene expression in overweight and obese humans. Adipocyte, 2018, 7, 190-196.	1.3	31
30	Maternal exposure to a Westernâ€style diet causes differences in intestinal microbiota composition and gene expression of suckling mouse pups. Molecular Nutrition and Food Research, 2017, 61, 1600141.	1.5	33
31	Diet-induced weight loss decreases adipose tissue oxygen tension with parallel changes in adipose tissue phenotype and insulin sensitivity in overweight humans. International Journal of Obesity, 2017, 41, 722-728.	1.6	33
32	Lifestyle and Horizontal Gene Transfer-Mediated Evolution of Mucispirillum schaedleri, a Core Member of the Murine Gut Microbiota. MSystems, 2017, 2, .	1.7	148
33	Identification of a mammalian silicon transporter. American Journal of Physiology - Cell Physiology, 2017, 312, C550-C561.	2.1	45
34	The effects of Lactobacillus plantarum on small intestinal barrier function and mucosal gene transcription; a randomized double-blind placebo controlled trial. Scientific Reports, 2017, 7, 40128.	1.6	69
35	Intermittent calorie restriction largely counteracts the adverse health effects of a moderateâ€fat diet in aging C57BL/6J mice. Molecular Nutrition and Food Research, 2017, 61, 1600677.	1.5	13
36	Transcriptome dynamics revealed by a gene expression atlas of the early Arabidopsis embryo. Nature Plants, 2017, 3, 894-904.	4.7	77

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37	Experimental preeclampsia in rats affects vascular gene expression patterns. Scientific Reports, 2017, 7, 14807.	1.6	9
38	Adipose Tissue Mealâ€Derived Fatty Acid Uptake Before and After Dietâ€Induced Weight Loss in Adults with Overweight and Obesity. Obesity, 2017, 25, 1391-1399.	1.5	9
39	Adipose tissue gene expression is differentially regulated with different rates of weight loss in overweight and obese humans. International Journal of Obesity, 2017, 41, 309-316.	1.6	34
40	Î²2â†'1-Fructans Modulate the Immune System In Vivo in a Microbiota-Dependent andâ€‰-Independent Fashion. Frontiers in Immunology, 2017, 8, 154.	2.2	59
41	The Impact of Gut Microbiota on Gender-Specific Differences in Immunity. Frontiers in Immunology, 2017, 8, 754.	2.2	180
42	Lactobacillus plantarum Strains Can Enhance Human Mucosal and Systemic Immunity and Prevent Non-steroidal Anti-inflammatory Drug Induced Reduction in T Regulatory Cells. Frontiers in Immunology, 2017, 8, 1000.	2.2	25
43	Aged Gut Microbiota Contributes to Systemical Inflammaging after Transfer to Germ-Free Mice. Frontiers in Immunology, 2017, 8, 1385.	2.2	252
44	The effect of age on the intestinal mucus thickness, microbiota composition and immunity in relation to sex in mice. PLoS ONE, 2017, 12, e0184274.	1.1	102
45	Supplementation with Lactobacillus plantarum WCFS1 Prevents Decline of Mucus Barrier in Colon of Accelerated Aging Ercc1â^'/Î”7 Mice. Frontiers in Immunology, 2016, 7, 408.	2.2	49
46	Associations between Common Variants in Iron-Related Genes with Haematological Traits in Populations of African Ancestry. PLoS ONE, 2016, 11, e0157996.	1.1	13
47	Effects of Gut Microbiota Manipulation by Antibiotics on Host Metabolism in Obese Humans: A Randomized Double-Blind Placebo-Controlled Trial. Cell Metabolism, 2016, 24, 63-74.	7.2	278
48	Combined epigallocatechin-3-gallate and resveratrol supplementation for 12 wk increases mitochondrial capacity and fat oxidation, but not insulin sensitivity, in obese humans: a randomized controlled trial. American Journal of Clinical Nutrition, 2016, 104, 215-227.	2.2	85
49	Docosahexaenoyl serotonin, an endogenously formed n-3 fatty acid-serotonin conjugate has anti-inflammatory properties by attenuating IL-23â€"IL-17 signaling in macrophages. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 2020-2028.	1.2	18
50	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
51	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
52	Transcriptional Analysis of serk1 and serk3 Coreceptor Mutants. Plant Physiology, 2016, 172, 2516-2529.	2.3	2
53	Increased hypothalamic serotonin turnover in inflammation-induced anorexia. BMC Neuroscience, 2016, 17, 26.	0.8	28
54	Identification of Commensal Species Positively Correlated with Early Stress Responses to a Compromised Mucus Barrier. Inflammatory Bowel Diseases, 2016, 22, 826-840.	0.9	30

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55	The Muscle Metabolome Differs between Healthy and Frail Older Adults. Journal of Proteome Research, 2016, 15, 499-509.	1.8	76
56	Combined Activities of JNK1 and JNK2 in Hepatocytes Protect Against Toxic Liver Injury. Gastroenterology, 2016, 150, 968-981.	0.6	82
57	Differences in food intake of tumourâ€bearing cachectic mice are associated with hypothalamic serotonin signalling. Journal of Cachexia, Sarcopenia and Muscle, 2015, 6, 84-94.	2.9	38
58	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
59	A weekly alternating diet between caloric restriction and medium fat protects the liver from fatty liver development in middle-aged C57BL/6J mice. Molecular Nutrition and Food Research, 2015, 59, 533-543.	1.5	16
60	Cellulose alters the expression of nuclear factor kappa B-related genes and Toll-like receptor-related genes in human peripheral blood mononuclear cells. Journal of Functional Foods, 2015, 18, 520-531.	1.6	5
61	Maternal High-fat Diet Accelerates Development of CrohnÊ¼s Disease-like Ileitis in TNFÎ”ARE/WT Offspring. Inflammatory Bowel Diseases, 2015, 21, 2016-2025.	0.9	16
62	p21 Ablation in Liver Enhances DNA Damage, Cholestasis, and Carcinogenesis. Cancer Research, 2015, 75, 1144-1155.	0.4	27
63	P1084 : Compound function of Jnk1 and Jnk2 in hepatocytes is protective in acetaminophen-induced liver injury. Journal of Hepatology, 2015, 62, S755-S756.	1.8	0
64	Plasma bioavailability and changes in PBMC gene expression after treatment of ovariectomized rats with a commercial soy supplement. Toxicology Reports, 2015, 2, 308-321.	1.6	2
65	Short-term cold acclimation improves insulin sensitivity in patients with type 2 diabetes mellitus. Nature Medicine, 2015, 21, 863-865.	15.2	460
66	IL-22-STAT3 Pathway Plays a Key Role in the Maintenance of Ileal Homeostasis in Mice Lacking Secreted Mucus Barrier. Inflammatory Bowel Diseases, 2015, 21, 531-542.	0.9	46
67	An acute intake of plant stanol esters alters immune-related pathways in the jejunum of healthy volunteers. British Journal of Nutrition, 2015, 113, 794-802.	1.2	19
68	Haematopoietic cell-derived Jnk1 is crucial for chronic inflammation and carcinogenesis in an experimental model of liver injury. Journal of Hepatology, 2015, 62, 140-149.	1.8	20
69	Sexually dimorphic characteristics of the small intestine and colon of prepubescent C57BL/6 mice. Biology of Sex Differences, 2014, 5, 11.	1.8	61
70	PPARÎ´ activation in human myotubes increases mitochondrial fatty acid oxidative capacity and reduces glucose utilization by a switch in substrate preference. Archives of Physiology and Biochemistry, 2014, 120, 12-21.	1.0	22
71	Differential regulation of pancreatic digestive enzymes during chronic high-fat diet-induced obesity in C57BL/6J mice. British Journal of Nutrition, 2014, 112, 154-161.	1.2	11
72	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

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73	407 Mitochondrial Unfolded Protein Responses Control Epithelial Stem Cell Proliferation in the Intestine. Gastroenterology, 2014, 146, S-87.	0.6	0
74	O145 THE REGULATORY INTERPLAY BETWEEN JNK1 AND JNK2 IS A SINE QUA NON CONDITION AGAINST DRUG-INDUCED LIVER TOXICITY. Journal of Hepatology, 2014, 60, S61.	1.8	0
75	O96 HEMATOPOIETIC CELLS-DERIVED JNK1 DRIVES HEPATIC INJURY AND HEPATOCELLULAR CARCINOMA IN IKKg/NEMO-DELETED LIVERS. Journal of Hepatology, 2014, 60, S39-S40.	1.8	0
76	Integration of growth and patterning during vascular tissue formation in Arabidopsis. Science, 2014, 345, 1255215.	6.0	286
77	IL-37 protects against obesity-induced inflammation and insulin resistance. Nature Communications, 2014, 5, 4711.	5.8	186
78	Hypothalamic food intake regulation in a cancerâ€cachectic mouse model. Journal of Cachexia, Sarcopenia and Muscle, 2014, 5, 159-169.	2.9	23
79	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
80	Genome-wide age-related changes in DNA methylation and gene expression in human PBMCs. Age, 2014, 36, 9648.	3.0	135
81	Jnk1 in murine hepatic stellate cells is a crucial mediator of liver fibrogenesis. Gut, 2014, 63, 1159-1172.	6.1	47
82	Cross-Species Comparison of Genes Related to Nutrient Sensing Mechanisms Expressed along the Intestine. PLoS ONE, 2014, 9, e107531.	1.1	45
83	TNFR1 determines progression of chronic liver injury in the IKKÎ³/Nemo genetic model. Cell Death and Differentiation, 2013, 20, 1580-1592.	5.0	33
84	Gut bacteriaâ€“host metabolic interplay during conventionalisation of the mouse germfree colon. ISME Journal, 2013, 7, 743-755.	4.4	84
85	Dietary heme induces acute oxidative stress, but delayed cytotoxicity and compensatory hyperproliferation in mouse colon. Carcinogenesis, 2013, 34, 1628-1635.	1.3	58
86	Hepatocyte caspase-8 is an essential modulator of steatohepatitis in rodents. Hepatology, 2013, 57, 2189-2201.	3.6	89
87	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
88	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
89	Combined Deficiency of Iron and (n-3) Fatty Acids in Male Rats Disrupts Brain Monoamine Metabolism and Produces Greater Memory Deficits Than Iron Deficiency or (n-3) Fatty Acid Deficiency Alone. Journal of Nutrition, 2012, 142, 1463-1471.	1.3	24
90	Detailed transcriptomics analysis of the effect of dietary fatty acids on gene expression in the heart. Physiological Genomics, 2012, 44, 352-361.	1.0	27

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91	In Male Rats with Concurrent Iron and (n-3) Fatty Acid Deficiency, Provision of Either Iron or (n-3) Fatty Acids Alone Alters Monoamine Metabolism and Exacerbates the Cognitive Deficits Associated with Combined Deficiency. Journal of Nutrition, 2012, 142, 1472-1478.	1.3	16
92	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
93	Palmitic acid follows a different metabolic pathway than oleic acid in human skeletal muscle cells; lower lipolysis rate despite an increased level of adipose triglyceride lipase. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2012, 1821, 1323-1333.	1.2	28
94	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
95	Pronounced Effects of Acute Endurance Exercise on Gene Expression in Resting and Exercising Human Skeletal Muscle. PLoS ONE, 2012, 7, e51066.	1.1	107
96	Differential regulation of pancreas digestive enzymes during the development of dietâ€induceddâ€obesity of C57BL/6J mice. FASEB Journal, 2012, 26, 375.7.	0.2	0
97	Detection of prokaryotic mRNA signifies microbial viability and promotes immunity. Nature, 2011, 474, 385-389.	13.7	378
98	Human mucosal in vivo transcriptome responses to three lactobacilli indicate how probiotics may modulate human cellular pathways. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4562-4569.	3.3	289
99	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
100	Nor-ursodeoxycholic acid reverses hepatocyte-specific nemo-dependent steatohepatitis. Gut, 2011, 60, 387-396.	6.1	38
101	Alterations in hepatic one-carbon metabolism and related pathways following a high-fat dietary intervention. Physiological Genomics, 2011, 43, 408-416.	1.0	64
102	Comparative transcriptomic and metabolomic analysis of fenofibrate and fish oil treatments in mice. Physiological Genomics, 2011, 43, 1307-1318.	1.0	42
103	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
104	The role of epoxidation and electrophile-responsive element-regulated gene transcription in the potentially beneficial and harmful effects of the coffee components cafestol and kahweolâ€†. Journal of Nutritional Biochemistry, 2010, 21, 757-763.	1.9	24
105	The embryonic genes Dkk3, Hoxd8, Hoxd9 and Tbx1 identify muscle types in a diet-independent and fiber-type unrelated way. BMC Genomics, 2010, 11, 176.	1.2	23
106	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
107	Absorption, Distribution, and Biliary Excretion of Cafestol, a Potent Cholesterol-Elevating Compound in Unfiltered Coffees, in Mice. Drug Metabolism and Disposition, 2010, 38, 635-640.	1.7	16
108	Adipose Tissue Dysfunction Signals Progression of Hepatic Steatosis Towards Nonalcoholic Steatohepatitis in C57Bl/6 Mice. Diabetes, 2010, 59, 3181-3191.	0.3	156

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109	Metabolic switching of human myotubes is improved by n-3 fatty acids. Journal of Lipid Research, 2010, 51, 2090-2104.	2.0	59
110	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
111	LXRÎ² is the dominant LXR subtype in skeletal muscle regulating lipogenesis and cholesterol efflux. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E602-E613.	1.8	26
112	An 8-Week High-Fat Diet Induces Obesity and Insulin Resistance with Small Changes in the Muscle Transcriptome of C57BL/6J Mice. Journal of Nutrigenetics and Nutrigenomics, 2009, 2, 280-291.	1.8	31
113	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
114	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. Genes and Nutrition, 2008, 3, 147-151.	1.2	22
115	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
116	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
117	Coffee Oil Consumption Increases Plasma Levels of 7Î±-Hydroxy-4-cholesten-3-one in Humans. Journal of Nutrition, 2005, 135, 785-789.	1.3	11
118	Coffee bean extracts rich and poor in kahweol both give rise to elevation of liver enzymes in healthy volunteers. Nutrition Journal, 2004, 3, 7.	1.5	22
119	The Adoption of Mediterranean Diet Attenuates the Development of Acute Coronary Syndromes in People with the Metabolic Syndrome. Nutrition Journal, 2003, 2, 1.	1.5	88
120	Reproducibility of the serum lipid response to coffee oil in healthy volunteers. Nutrition Journal, 2003, 2, 8.	1.5	13