Michal Pravenec

List of Publications by Year in Descending Order

213 papers	9,411 citations	45 h-index	93 g-index
243 ext. papers	10,267 ext. citations	7.2 avg, IF	5.12 L-index

#	Paper	IF	Citations
213	Beyond Genes: Inclusion of Alternative Splicing and Alternative Polyadenylation to Assess the Genetic Architecture of Predisposition to Voluntary Alcohol Consumption in Brain of the HXB/BXH Recombinant Inbred Rat Panel.. *Frontiers in Genetics*, **2022**, 13, 821026	4.5	
212	Systems genetics in the rat HXB/BXH family identifies Tti2 as a pleiotropic quantitative trait gene for adult hippocampal neurogenesis and serum glucose.. *PLoS Genetics*, **2022**, 18, e1009638	6	0
211	Mechanism-based strategies to prevent salt sensitivity and salt-induced hypertension.. *Clinical Science*, **2022**, 136, 599-620	6.5	1
210	High cysteine diet reduces insulin resistance in SHR-CRP rats. *Physiological Research*, **2021**, 70, 687-700	2.1	0
209	Hepatic Transcriptome Profiling Reveals Lack of Expression in Polydactylous Rats with High-Fat Diet-Induced Hypertriglyceridemia and Visceral Fat Accumulation. *Nutrients*, **2021**, 13,	6.7	1
208	Rat PRDM9 shapes recombination landscapes, duration of meiosis, gametogenesis, and age of fertility. *BMC Biology*, **2021**, 19, 86	7.3	4
207	No evidence of racial disparities in blood pressure salt sensitivity when potassium intake exceeds levels recommended in the US dietary guidelines. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H1903-H1918	5.2	4
206	A trans locus causes a ribosomopathy in hypertrophic hearts that affects mRNA translation in a protein length-dependent fashion. *Genome Biology*, **2021**, 22, 191	18.3	1
205	Excess ischemic tachyarrhythmias trigger protection against myocardial infarction in hypertensive rats. *Clinical Science*, **2021**, 135, 2143-2163	6.5	
204	Strategies Are Needed to Prevent Salt-Induced Hypertension That Do Not Depend on Reducing Salt Intake. *American Journal of Hypertension*, **2020**, 33, 116-118	2.3	4
203	Downregulation of the Gene Is Associated with Reduced Adiposity and Ectopic Fat Accumulation in Spontaneously Hypertensive Rats. *Antioxidants*, **2020**, 9,	7.1	1
202	Small Amounts of Inorganic Nitrate or Beetroot Provide Substantial Protection From Salt-Induced Increases in Blood Pressure. *Hypertension*, **2019**, 73, 1042-1048	8.5	12
201	WWP2 regulates pathological cardiac fibrosis by modulating SMAD2 signaling. *Nature Communications*, **2019**, 10, 3616	17.4	24
200	Ethnicity-Specific Skeletal Muscle Transcriptional Signatures and Their Relevance to Insulin Resistance in Singapore. *Journal of Clinical Endocrinology and Metabolism*, **2019**, 104, 465-486	5.6	3
199	Changing views on the common physiologic abnormality that mediates salt sensitivity and initiation of salt-induced hypertension: Japanese research underpinning the vasodysfunction theory of salt sensitivity. *Hypertension Research*, **2019**, 42, 6-18	4.7	11
198	Transgenic overexpression of glutathione S-transferase type 1 reduces hypertension and oxidative stress in the stroke-prone spontaneously hypertensive rat. *Journal of Hypertension*, **2019**, 37, 985-996	1.9	3
197	Cardioprotective Regimen of Adaptation to Chronic Hypoxia Diversely Alters Myocardial Gene Expression in SHR and SHR-mt Conplastic Rat Strains. *Frontiers in Endocrinology*, **2018**, 9, 809	5.7	6

196	The pivotal role of renal vasodysfunction in salt sensitivity and the initiation of salt-induced hypertension. *Current Opinion in Nephrology and Hypertension*, **2018**, 27, 83-92	3.5	18
195	Nrf2-Mediated Antioxidant Defense and Peroxiredoxin 6 Are Linked to Biosynthesis of Palmitic Acid Ester of 9-Hydroxystearic Acid. *Diabetes*, **2018**, 67, 1190-1199	0.9	39
194	Functional foods for augmenting nitric oxide activity and reducing the risk for salt-induced hypertension and cardiovascular disease in Japan. *Journal of Cardiology*, **2018**, 72, 42-49	3	11
193	Adrenergic signaling, monoamine oxidase A and antioxidant defence in the myocardium of SHR and SHR-mtBN conplastic rat strains: the effect of chronic hypoxia. *Journal of Physiological Sciences*, **2018**, 68, 441-454	2.3	3
192	Mitochondrial genome modulates myocardial Akt/Glut/HK salvage pathway in spontaneously hypertensive rats adapted to chronic hypoxia. *Physiological Genomics*, **2018**, 50, 532-541	3.6	4
191	Unsupervised, Statistically Based Systems Biology Approach for Unraveling the Genetics of Complex Traits: A Demonstration with Ethanol Metabolism. *Alcoholism: Clinical and Experimental Research*, **2018**, 42, 1177-1191	3.7	3
190	Genetically determined folate deficiency is associated with abnormal hepatic folate profiles in the spontaneously hypertensive rat. *Physiological Research*, **2018**, 67, 417-422	2.1	1
189	Dissecting the role of Folr1 and Folh1 genes in the pathogenesis of metabolic syndrome in spontaneously hypertensive rats. *Physiological Research*, **2018**, 67, 657-662	2.1	4
188	Acute toxic effects of telmisartan in spontaneously hypertensive rats fed a high fructose diet. *Physiological Research*, **2018**, 67, 851-856	2.1	
187	Systems genetic analysis of brown adipose tissue function. *Physiological Genomics*, **2018**, 50, 52-66	3.6	7
186	P98Cardiac ischemic tolerance of spontaneously hypertensive rats with increased expression of C-reactive protein. *Cardiovascular Research*, **2018**, 114, S26-S26	9.9	
185	Systems Genetics Approaches in Rat Identify Novel Genes and Gene Networks Associated With Cardiac Conduction. *Journal of the American Heart Association*, **2018**, 7, e009243	6	9
184	Testing Computer Models Predicting Human Responses to a High-Salt Diet. *Hypertension*, **2018**, 72, 1407-1416	8.5	14
183	Reply. *Journal of Hypertension*, **2018**, 36, 703-704	1.9	
182	Changes in the activity of some metabolic enzymes in the heart of SHR rat incurred by transgenic expression of CD36. *Journal of Physiology and Biochemistry*, **2018**, 74, 479-489	5	1
181	Genetic, physiological and comparative genomic studies of hypertension and insulin resistance in the spontaneously hypertensive rat. *DMM Disease Models and Mechanisms*, **2017**, 10, 297-306	4.1	8
180	Downregulation of Gene Ameliorates Metabolic and Cardiac Traits in the Spontaneously Hypertensive Rat. *Hypertension*, **2017**, 69, 1084-1091	8.5	19
179	An Appraisal of Methods Recently Recommended for Testing Salt Sensitivity of Blood Pressure. *Journal of the American Heart Association*, **2017**, 6,	6	27

178	Selective replacement of mitochondrial DNA increases the cardioprotective effect of chronic continuous hypoxia in spontaneously hypertensive rats. *Clinical Science*, **2017**, 131, 865-881	6.5	14
177	Salsalate ameliorates metabolic disturbances by reducing inflammation in spontaneously hypertensive rats expressing human C-reactive protein and by activating brown adipose tissue in nontransgenic controls. *PLoS ONE*, **2017**, 12, e0179063	3.7	3
176	The American Heart Association Scientific Statement on salt sensitivity of blood pressure: Prompting consideration of alternative conceptual frameworks for the pathogenesis of salt sensitivity?. *Journal of Hypertension*, **2017**, 35, 2214-2225	1.9	20
175	Connexin 50 mutation lowers blood pressure in spontaneously hypertensive rat. *Physiological Research*, **2017**, 66, 15-28	2.1	4
174	Mutant Wars2 gene in spontaneously hypertensive rats impairs brown adipose tissue function and predisposes to visceral obesity. *Physiological Research*, **2017**, 66, 917-924	2.1	15
173	An alternative hypothesis to the widely held view that renal excretion of sodium accounts for resistance to salt-induced hypertension. *Kidney International*, **2016**, 90, 965-973	9.9	25
172	Wars2 is a determinant of angiogenesis. *Nature Communications*, **2016**, 7, 12061	17.4	31
171	Splicing mutation in Sbf1 causes nonsyndromic male infertility in the rat. *Reproduction*, **2016**, 152, 215-23	3.8	5
170	Autocrine effects of transgenic resistin reduce palmitate and glucose oxidation in brown adipose tissue. *Physiological Genomics*, **2016**, 48, 420-7	3.6	4
169	Genetic Variation in Renal Expression of Folate Receptor 1 (Folr1) Gene Predisposes Spontaneously Hypertensive Rats to Metabolic Syndrome. *Hypertension*, **2016**, 67, 335-41	8.5	8
168	Isolation of a Genomic Region Affecting Most Components of Metabolic Syndrome in a Chromosome-16 Congenic Rat Model. *PLoS ONE*, **2016**, 11, e0152708	3.7	3
167	Von Willebrand Factor Gene Variants Associate with Herpes simplex Encephalitis. *PLoS ONE*, **2016**, 11, e0155832	3.7	5
166	Targeting of the Plzf Gene in the Rat by Transcription Activator-Like Effector Nuclease Results in Caudal Regression Syndrome in Spontaneously Hypertensive Rats. *PLoS ONE*, **2016**, 11, e0164206	3.7	10
165	Hepatotoxic effects of fenofibrate in spontaneously hypertensive rats expressing human C-reactive protein. *Physiological Research*, **2016**, 65, 891-899	2.1	8
164	Effects of transgenic expression of dopamine beta hydroxylase (Dbh) gene on blood pressure in spontaneously hypertensive rats. *Physiological Research*, **2016**, 65, 1039-1044	2.1	3
163	Effects of Metformin on Tissue Oxidative and Dicarbonyl Stress in Transgenic Spontaneously Hypertensive Rats Expressing Human C-Reactive Protein. *PLoS ONE*, **2016**, 11, e0150924	3.7	16
162	Alterations in the cardiac proteome of the spontaneously hypertensive rat induced by transgenic expression of CD36. *Journal of Proteomics*, **2016**, 145, 177-186	3.9	7
161	Uncovering the liver's role in immunity through RNA co-expression networks. *Mammalian Genome*, **2016**, 27, 469-84	3.2	9

160	Molecular-based mechanisms of Mendelian forms of salt-dependent hypertension: questioning the prevailing theory. *Hypertension*, **2015**, 65, 932-41	8.5	37
159	histoneHMM: Differential analysis of histone modifications with broad genomic footprints. *BMC Bioinformatics*, **2015**, 16, 60	3.6	21
158	Translational regulation shapes the molecular landscape of complex disease phenotypes. *Nature Communications*, **2015**, 6, 7200	17.4	51
157	Rosuvastatin ameliorates inflammation, renal fat accumulation, and kidney injury in transgenic spontaneously hypertensive rats expressing human C-reactive protein. *Physiological Research*, **2015**, 64, 295-301	2.1	4
156	Gender-related effects on substrate utilization and metabolic adaptation in hairless spontaneously hypertensive rat. *Physiological Research*, **2015**, 64, 51-60	2.1	3
155	Natural variation of histone modification and its impact on gene expression in the rat genome. *Genome Research*, **2014**, 24, 942-53	9.7	42
154	Germline transgenesis in rabbits by pronuclear microinjection of Sleeping Beauty transposons. *Nature Protocols*, **2014**, 9, 794-809	18.8	42
153	Fumaric acid esters can block pro-inflammatory actions of human CRP and ameliorate metabolic disturbances in transgenic spontaneously hypertensive rats. *PLoS ONE*, **2014**, 9, e101906	3.7	19
152	Genetic analysis of the cardiac methylome at single nucleotide resolution in a model of human cardiovascular disease. *PLoS Genetics*, **2014**, 10, e1004813	6	14
151	P658Adaptation to continuous normobaric hypoxia affects mitochondrial enzymes in spontaneously hypertensive rat hearts. *Cardiovascular Research*, **2014**, 103, S120.2-S120	9.9	
150	Effects of mtDNA in SHR-mtF344 versus SHR conplastic strains on reduced OXPHOS enzyme levels, insulin resistance, cardiac hypertrophy, and systolic dysfunction. *Physiological Genomics*, **2014**, 46, 671-8	3.6	12
149	Rosuvastatin can block pro-inflammatory actions of transgenic human C-reactive protein without reducing its circulating levels. *Cardiovascular Therapeutics*, **2014**, 32, 59-65	3.3	10
148	Germline transgenesis in rodents by pronuclear microinjection of Sleeping Beauty transposons. *Nature Protocols*, **2014**, 9, 773-93	18.8	50
147	Plzf as a candidate gene predisposing the spontaneously hypertensive rat to hypertension, left ventricular hypertrophy, and interstitial fibrosis. *American Journal of Hypertension*, **2014**, 27, 99-106	2.3	15
146	Germline transgenesis in pigs by cytoplasmic microinjection of Sleeping Beauty transposons. *Nature Protocols*, **2014**, 9, 810-27	18.8	58
145	Adaptation to chronic hypoxia improves cardiac ischemic tolerance in spontaneously hypertensive rats (1080.3). *FASEB Journal*, **2014**, 28, 1080.3	0.9	
144	Transgenic rescue of defective Cd36 enhances myocardial adenylyl cyclase signaling in spontaneously hypertensive rats. *Pflugers Archiv European Journal of Physiology*, **2013**, 465, 1477-86	4.6	7
143	Mapping genetic determinants of coronary microvascular remodeling in the spontaneously hypertensive rat. *Basic Research in Cardiology*, **2013**, 108, 316	11.8	22

142	MicroRNA-22 and promoter motif polymorphisms at the Chga locus in genetic hypertension: functional and therapeutic implications for gene expression and the pathogenesis of hypertension. *Human Molecular Genetics*, **2013**, 22, 3624-40	5.6	35
141	Transposon-mediated transgenesis, transgenic rescue, and tissue-specific gene expression in rodents and rabbits. *FASEB Journal*, **2013**, 27, 930-41	0.9	74
140	Systems-level approaches reveal conservation of trans-regulated genes in the rat and genetic determinants of blood pressure in humans. *Cardiovascular Research*, **2013**, 97, 653-65	9.9	21
139	Folate deficiency is associated with oxidative stress, increased blood pressure, and insulin resistance in spontaneously hypertensive rats. *American Journal of Hypertension*, **2013**, 26, 135-40	2.3	56
138	Tissue-specific peroxisome proliferator activated receptor gamma expression and metabolic effects of telmisartan. *American Journal of Hypertension*, **2013**, 26, 829-35	2.3	8
137	Genetic basis of transcriptome differences between the founder strains of the rat HXB/BXH recombinant inbred panel. *Genome Biology*, **2012**, 13, r31	18.3	28
136	CD36 overexpression predisposes to arrhythmias but reduces infarct size in spontaneously hypertensive rats: gene expression profile analysis. *Physiological Genomics*, **2012**, 44, 173-82	3.6	18
135	Nonsynonymous variants in mt-Nd2, mt-Nd4, and mt-Nd5 are linked to effects on oxidative phosphorylation and insulin sensitivity in rat conplastic strains. *Physiological Genomics*, **2012**, 44, 487-94	3.6	13
134	Effect of Cd36 on cardiac ischemic tolerance and adrenergic signaling in spontaneously hypertensive rats. *FASEB Journal*, **2012**, 26, 1136.9	0.9	
133	Endonuclease G is a novel determinant of cardiac hypertrophy and mitochondrial function. *Nature*, **2011**, 478, 114-8	50.4	114
132	Role of FAT/CD36 in novel PKC isoform activation in heart of spontaneously hypertensive rats. *Molecular and Cellular Biochemistry*, **2011**, 357, 163-9	4.2	6
131	Effects of human C-reactive protein on pathogenesis of features of the metabolic syndrome. *Hypertension*, **2011**, 57, 731-7	8.5	54
130	Integrated genomic approaches to identification of candidate genes underlying metabolic and cardiovascular phenotypes in the spontaneously hypertensive rat. *Physiological Genomics*, **2011**, 43, 1207-18	3.6	23
129	Age-related autocrine diabetogenic effects of transgenic resistin in spontaneously hypertensive rats: gene expression profile analysis. *Physiological Genomics*, **2011**, 43, 372-9	3.6	6
128	Rodent transgenesis mediated by a novel hyperactive Sleeping Beauty transposon system. *Methods in Molecular Biology*, **2011**, 738, 87-99	1.4	10
127	A trans-acting locus regulates an anti-viral expression network and type 1 diabetes risk. *Nature*, **2010**, 467, 460-4	50.4	224
126	Effect of telmisartan on selected adipokines, insulin sensitivity, and substrate utilization during insulin-stimulated conditions in patients with metabolic syndrome and impaired fasting glucose. *European Journal of Endocrinology*, **2010**, 163, 573-83	6.5	12
125	Genetic regulation of catecholamine synthesis, storage and secretion in the spontaneously hypertensive rat. *Human Molecular Genetics*, **2010**, 19, 2567-80	5.6	18

124	New insights into the genetic control of gene expression using a Bayesian multi-tissue approach. *PLoS Computational Biology*, **2010**, 6, e1000737	5	46
123	The genome sequence of the spontaneously hypertensive rat: Analysis and functional significance. *Genome Research*, **2010**, 20, 791-803	9.7	77
122	Succinimidyl oleate, established inhibitor of CD36/FAT translocase inhibits complex III of mitochondrial respiratory chain. *Biochemical and Biophysical Research Communications*, **2010**, 391, 1348-51	3.4	5
121	Recent advances in genetics of the spontaneously hypertensive rat. *Current Hypertension Reports*, **2010**, 12, 5-9	4.7	30
120	Increased liver oxidative stress and altered PUFA metabolism precede development of non-alcoholic steatohepatitis in SREBP-1a transgenic spontaneously hypertensive rats with genetic predisposition to hepatic steatosis. *Molecular and Cellular Biochemistry*, **2010**, 335, 119-25	4.2	22
119	Generation of rat "supersonic" congenic/conplastic strains using superovulation and embryo transfer. *Methods in Molecular Biology*, **2010**, 597, 267-75	1.4	7
118	Use of rat genomics for investigating the metabolic syndrome. *Methods in Molecular Biology*, **2010**, 597, 415-26	1.4	9
117	Genetic locus on rat chromosome 20 regulates diet-induced adipocyte hypertrophy: a microarray gene expression study. *Physiological Genomics*, **2009**, 38, 63-72	3.6	4
116	Dissection of chromosome 18 blood pressure and salt-sensitivity quantitative trait loci in the spontaneously hypertensive rat. *Hypertension*, **2009**, 54, 639-45	8.5	17
115	Genetical genomic determinants of alcohol consumption in rats and humans. *BMC Biology*, **2009**, 7, 70	7.3	123
114	Long-term pioglitazone treatment enhances lipolysis in rat adipose tissue. *International Journal of Obesity*, **2008**, 32, 1848-53	5.5	6
113	SNP and haplotype mapping for genetic analysis in the rat. *Nature Genetics*, **2008**, 40, 560-6	36.3	150
112	Integrated genomic approaches implicate osteoglycin (Ogn) in the regulation of left ventricular mass. *Nature Genetics*, **2008**, 40, 546-52	36.3	128
111	Distribution and functional impact of DNA copy number variation in the rat. *Nature Genetics*, **2008**, 40, 538-45	36.3	170
110	Progress and prospects in rat genetics: a community view. *Nature Genetics*, **2008**, 40, 516-22	36.3	234
109	Identification of renal Cd36 as a determinant of blood pressure and risk for hypertension. *Nature Genetics*, **2008**, 40, 952-4	36.3	84
108	Identification of mutated Srebf1 as a QTL influencing risk for hepatic steatosis in the spontaneously hypertensive rat. *Hypertension*, **2008**, 51, 148-53	8.5	23
107	Molecule-specific effects of angiotensin II-receptor blockers independent of the renin-angiotensin system. *American Journal of Hypertension*, **2008**, 21, 852-9	2.3	23

106	Hemodynamic characterization of recombinant inbred strains: twenty years later. *Hypertension Research*, **2008**, 31, 1659-68	4.7	5
105	Telmisartan increases fatty acid oxidation in skeletal muscle through a peroxisome proliferator-activated receptor-gamma dependent pathway. *Journal of Hypertension*, **2008**, 26, 1209-15	1.9	29
104	Insight into the genetics of hypertension, a core component of the metabolic syndrome. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2008**, 11, 393-7	3.8	9
103	Genome-wide co-expression analysis in multiple tissues. *PLoS ONE*, **2008**, 3, e4033	3.7	19
102	Direct linkage of mitochondrial genome variation to risk factors for type 2 diabetes in conplastic strains. *Genome Research*, **2007**, 17, 1319-26	9.7	61
101	Molecular genetics of experimental hypertension and the metabolic syndrome: from gene pathways to new therapies. *Hypertension*, **2007**, 49, 941-52	8.5	39
100	Effect of acute hyperinsulinaemia with and without angiotensin II type 1 receptor blockade on resistin and adiponectin concentrations and expressions in healthy subjects. *European Journal of Endocrinology*, **2007**, 157, 443-9	6.5	12
99	Heritability and tissue specificity of expression quantitative trait loci. *PLoS Genetics*, **2006**, 2, e172	6	162
98	Fat-specific transgenic expression of resistin in the spontaneously hypertensive rat impairs fatty acid re-esterification. *International Journal of Obesity*, **2006**, 30, 1157-9	5.5	15
97	Telmisartan but not valsartan increases caloric expenditure and protects against weight gain and hepatic steatosis. *Hypertension*, **2006**, 47, 1003-9	8.5	129
96	Genetic relationship between placental and fetal weights and markers of the metabolic syndrome in rat recombinant inbred strains. *Physiological Genomics*, **2006**, 26, 226-31	3.6	20
95	Reply to Normalization procedures and detection of linkage signal in genetical-genomics experiments *Nature Genetics*, **2006**, 38, 858-859	36.3	3
94	Integrated gene expression profiling and linkage analysis in the rat. *Mammalian Genome*, **2006**, 17, 480-9	3.2	17
93	Integrated transcriptional profiling and linkage analysis for identification of genes underlying disease. *Nature Genetics*, **2005**, 37, 243-53	36.3	432
92	Genetic analysis of complex cardiovascular traits in the spontaneously hypertensive rat. *Experimental Physiology*, **2005**, 90, 273-6	2.4	13
91	A new transgenic rat model of hepatic steatosis and the metabolic syndrome. *Hypertension*, **2005**, 45, 1004-11	8.5	34
90	CD36 mediates the phagocytosis of Plasmodium falciparum-infected erythrocytes by rodent macrophages. *Journal of Infectious Diseases*, **2004**, 189, 204-13	7	109
89	Identification of telmisartan as a unique angiotensin II receptor antagonist with selective PPARgamma-modulating activity. *Hypertension*, **2004**, 43, 993-1002	8.5	928

88	The Collaborative Cross, a community resource for the genetic analysis of complex traits. *Nature Genetics*, **2004**, 36, 1133-7	36.3	822
87	A spontaneous mutation in the desmoglein 4 gene underlies hypotrichosis in a new lanceolate hair rat model. *Differentiation*, **2004**, 72, 541-7	3.5	27
86	Salt preference of congenic strains derived from the spontaneously hypertensive rat. *Physiology and Behavior*, **2004**, 80, 617-22	3.5	8
85	Antidiabetic mechanisms of angiotensin-converting enzyme inhibitors and angiotensin II receptor antagonists: beyond the renin-angiotensin system. *Journal of Hypertension*, **2004**, 22, 2253-61	1.9	146
84	Transgenic and recombinant resistin impair skeletal muscle glucose metabolism in the spontaneously hypertensive rat. *Journal of Biological Chemistry*, **2003**, 278, 45209-15	5.4	88
83	Segment of rat chromosome 20 regulates diet-induced augmentations in adiposity, glucose intolerance, and blood pressure. *Hypertension*, **2003**, 41, 1047-55	8.5	21
82	Sequencing and chromosomal localization of Fabp6 and an intronless Fabp6 segment in the rat. *Molecular Biology Reports*, **2003**, 30, 173-6	2.8	6
81	Genetic map of AFLP markers in the rat (Rattus norvegicus) derived from the H x B/Ipcv and B x H/Cub sets of recombinant inbred strains. *Biochemical Genetics*, **2003**, 41, 77-89	2.4	2
80	A new framework marker-based linkage map and SDPs for the rat HXB/BXH strain set. *Mammalian Genome*, **2003**, 14, 537-46	3.2	13
79	The CD36 protein functions as an immunogenic domain of the RT8 alloantigen. *International Journal of Immunogenetics*, **2003**, 30, 325-7		2
78	Liver copper content of rats hypo- or hyperresponsive to dietary cholesterol. *Journal of Trace Elements in Medicine and Biology*, **2003**, 17, 177-82	4.1	2
77	Gene expression profiling in hypertension research: a critical perspective. *Hypertension*, **2003**, 41, 3-8	8.5	36
76	TA repeat variation, Npr1 expression, and blood pressure: impact of the Ace locus. *Hypertension*, **2003**, 41, 16-24	8.5	18
75	Genetic analysis of metabolic defects in the spontaneously hypertensive rat. *Mammalian Genome*, **2002**, 13, 253-8	3.2	10
74	Genome scanning of the HXB/BXH sets of recombinant inbred strains of the rat for quantitative trait loci associated with conditioned taste aversion. *Behavior Genetics*, **2002**, 32, 51-6	3.2	12
73	Pharmacogenetic evidence that cd36 is a key determinant of the metabolic effects of pioglitazone. *Journal of Biological Chemistry*, **2002**, 277, 48501-7	5.4	50
72	Heart rate and blood pressure quantitative trait loci for the airpuff startle reaction. *Hypertension*, **2002**, 39, 348-52	8.5	17
71	Identification and chromosomal localization of ecogenetic components of electrolyte excretion. *Journal of Hypertension*, **2002**, 20, 209-17	1.9	9

70	Genetics of Cd36 and the hypertension metabolic syndrome. *Seminars in Nephrology*, **2002**, 22, 148-53	4.8	13
69	Identification of a mutation in ADD1/SREBP-1 in the spontaneously hypertensive rat. *Mammalian Genome*, **2001**, 12, 295-8	3.2	15
68	Transgenic rescue of defective Cd36 ameliorates insulin resistance in spontaneously hypertensive rats. *Nature Genetics*, **2001**, 27, 156-8	36.3	172
67	Defective fatty acid uptake in the spontaneously hypertensive rat is a primary determinant of altered glucose metabolism, hyperinsulinemia, and myocardial hypertrophy. *Journal of Biological Chemistry*, **2001**, 276, 23661-6	5.4	139
66	Workshop: excess growth and apoptosis: is hypertension a case of accelerated aging of cardiovascular cells?. *Hypertension*, **2001**, 37, 760-6	8.5	47
65	Y-chromosome transfer induces changes in blood pressure and blood lipids in SHR. *Hypertension*, **2001**, 37, 1147-52	8.5	33
64	Genetic and correlation analysis of hepatic copper content in the rat. *Biochemical and Biophysical Research Communications*, **2001**, 289, 1247-51	3.4	5
63	Genetic isolation of a blood pressure quantitative trait locus on chromosome 2 in the spontaneously hypertensive rat. *Journal of Hypertension*, **2001**, 19, 1061-4	1.9	11
62	Mapping of quantitative trait loci (QTL) of differential stress gene expression in rat recombinant inbred strains. *Journal of Hypertension*, **2000**, 18, 545-51	1.9	27
61	Derivation of SHR-chromosome 4 congenic sublines for fine genetic mapping of quantitative trait loci with major effects on insulin resistance and blood pressure. *Journal of Experimental Animal Science*, **2000**, 41, 44-46		
60	Genetics of rat hypodactyly. *Journal of Experimental Animal Science*, **2000**, 41, 47-50		
59	Putative candidate genes for blood pressure control in the SHR.BN-RNO8 congenic substrains. *Journal of Experimental Animal Science*, **2000**, 41, 51-53		1
58	Genetic analysis of rat chromosome 1 and the Sa gene in spontaneous hypertension. *Hypertension*, **2000**, 35, 225-30	8.5	34
57	Contribution of autosomal loci and the Y chromosome to the stress response in rats. *Hypertension*, **2000**, 35, 568-73	8.5	27
56	Chromosomal mapping of a major quantitative trait locus regulating compensatory renal growth in the rat. *Journal of the American Society of Nephrology: JASN*, **2000**, 11, 1261-1265	12.7	6
55	Effect of chromosome 19 transfer on blood pressure in the spontaneously hypertensive rat. *Hypertension*, **1999**, 33, 256-60	8.5	21
54	Genetic isolation of a chromosome 1 region affecting susceptibility to hypertension-induced renal damage in the spontaneously hypertensive rat. *Hypertension*, **1999**, 34, 187-91	8.5	43
53	Mapping of quantitative trait loci for seminal vesicle mass and litter size to rat chromosome 8. *Reproduction*, **1999**, 116, 329-33	3.8	11

52	Identification of Cd36 (Fat) as an insulin-resistance gene causing defective fatty acid and glucose metabolism in hypertensive rats. *Nature Genetics*, **1999**, 21, 76-83	36.3	636
51	Report on rat chromosome 1. *Journal of Experimental Animal Science*, **1999**, 40, 5-18		1
50	Report on rat chromosome 8. *Journal of Experimental Animal Science*, **1999**, 40, 69-76		1
49	Congenic strains for genetic analysis of hypertension and dyslipidemia in the spontaneously hypertensive rat. *Transplantation Proceedings*, **1999**, 31, 1555-6	1.1	6
48	Graft-versus-host disease in the rat: a genetic analysis in recombinant inbred strains of SHR x BN. Lx and BN. Lx x SHR sets. *Transplantation Proceedings*, **1999**, 31, 1569-70	1.1	1
47	Rat congenic and recombinant inbred strains: a genetic model for the study of quantitative trait loci. *Transplantation Proceedings*, **1999**, 31, 1592-3	1.1	5
46	Linkage mapping of rat hypodactyly locus to chromosome 10. *Transplantation Proceedings*, **1999**, 31, 1620	1.1	2
45	Contribution of the TNF alpha gene region of rat chromosome 20 to the body temperature response to endotoxin. *Transplantation Proceedings*, **1999**, 31, 1622-3	1.1	2
44	Genetics of Cd36 and the clustering of multiple cardiovascular risk factors in spontaneous hypertension. *Journal of Clinical Investigation*, **1999**, 103, 1651-7	15.9	82
43	Genetic dissection of testicular weight in the mouse with the BXD recombinant inbred strains. *Mammalian Genome*, **1998**, 9, 503-5	3.2	14
42	Newborn and adult recombinant inbred strains: a tool to search for genetic determinants of target organ damage in hypertension. *Kidney International*, **1998**, 53, 1488-92	9.9	27
41	A genetic and correlation analysis of liver cholesterol concentration in rat recombinant inbred strains fed a high cholesterol diet. *Biochemical and Biophysical Research Communications*, **1998**, 246, 272-5	3.4	11
40	Quantitative trait loci for compensatory renal hypertrophy in the mouse. *Biochemical and Biophysical Research Communications*, **1998**, 248, 473-5	3.4	6
39	Effect of renin gene transfer on blood pressure in the spontaneously hypertensive rat. *Hypertension*, **1998**, 31, 373-7	8.5	15
38	Genetic analysis of graft-versus-host disease using rat recombinant inbred strains. *Transplantation Proceedings*, **1997**, 29, 1734-5	1.1	3
37	Rat genome mapping using recombinant inbred strains. *Transplantation Proceedings*, **1997**, 29, 1768	1.1	3
36	Map of the differential segment of rat chromosome 8 in the SHR-Lx congenic strain. *Transplantation Proceedings*, **1997**, 29, 1769	1.1	1
35	Quantitative trait loci for cellular defects in glucose and fatty acid metabolism in hypertensive rats. *Nature Genetics*, **1997**, 16, 197-201	36.3	127

34	Mapping genes controlling hematocrit in the spontaneously hypertensive rat. *Mammalian Genome*, **1997**, 8, 387-9	3.2	16
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