

# Michal Pravenec

## List of Publications by Year in descending order

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233  
papers

11,065  
citations

43973

48  
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33814

99  
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243  
all docs

243  
docs citations

243  
times ranked

11243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cap analysis of gene expression reveals alternative promoter usage in a rat model of hypertension. <i>Life Science Alliance</i> , 2022, 5, e202101234.	1.3	0
2	Genetic Complementation of ATP Synthase Deficiency Due to Dysfunction of TMEM70 Assembly Factor in Rat. <i>Biomedicines</i> , 2022, 10, 276.	1.4	2
3	Sodium Accumulation and Blood Capillary Rarefaction in the Skin Predispose Spontaneously Hypertensive Rats to Salt Sensitive Hypertension. <i>Biomedicines</i> , 2022, 10, 376.	1.4	4
4	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. <i>Frontiers in Genetics</i> , 2022, 13, 821026.	1.1	2
5	Will Food and Drug Administration Guidance to Reduce the Salt Content of Processed Foods Reduce Salt Intake and Save Lives?. <i>Hypertension</i> , 2022, 79, 809-812.	1.3	4
6	Systems genetics in the rat HXB/BXH family identifies Tti2 as a pleiotropic quantitative trait gene for adult hippocampal neurogenesis and serum glucose. <i>PLoS Genetics</i> , 2022, 18, e1009638.	1.5	3
7	Mechanism-based strategies to prevent salt sensitivity and salt-induced hypertension. <i>Clinical Science</i> , 2022, 136, 599-620.	1.8	9
8	Hepatic Transcriptome Profiling Reveals Lack of Acsn3 Expression in Polydactylous Rats with High-Fat Diet-Induced Hypertriglyceridemia and Visceral Fat Accumulation. <i>Nutrients</i> , 2021, 13, 1462.	1.7	6
9	Rat PRDM9 shapes recombination landscapes, duration of meiosis, gametogenesis, and age of fertility. <i>BMC Biology</i> , 2021, 19, 86.	1.7	12
10	No evidence of racial disparities in blood pressure salt sensitivity when potassium intake exceeds levels recommended in the US dietary guidelines. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H1903-H1918.	1.5	15
11	A trans locus causes a ribosomopathy in hypertrophic hearts that affects mRNA translation in a protein length-dependent fashion. <i>Genome Biology</i> , 2021, 22, 191.	3.8	4
12	Excess ischemic tachyarrhythmias trigger protection against myocardial infarction in hypertensive rats. <i>Clinical Science</i> , 2021, 135, 2143-2163.	1.8	1
13	High Cysteine Diet Reduces Insulin Resistance in SHR-CRP Rats. <i>Physiological Research</i> , 2021, 70, 687-700.	0.4	2
14	Strategies Are Needed to Prevent Salt-Induced Hypertension That Do Not Depend on Reducing Salt Intake. <i>American Journal of Hypertension</i> , 2020, 33, 116-118.	1.0	6
15	Downregulation of the Glo1 Gene Is Associated with Reduced Adiposity and Ectopic Fat Accumulation in Spontaneously Hypertensive Rats. <i>Antioxidants</i> , 2020, 9, 1179.	2.2	5
16	Effect of metformin on the progression of post-ischemic heart failure in transgenic spontaneously hypertensive rats expressing human C-reactive protein. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 140, 7-8.	0.9	0
17	WWP2 regulates pathological cardiac fibrosis by modulating SMAD2 signaling. <i>Nature Communications</i> , 2019, 10, 3616.	5.8	44
18	Small Amounts of Inorganic Nitrate or Beetroot Provide Substantial Protection From Salt-Induced Increases in Blood Pressure. <i>Hypertension</i> , 2019, 73, 1042-1048.	1.3	17

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19	Cardioprotective Regimen of Adaptation to Chronic Hypoxia Diverely Alters Myocardial Gene Expression in SHR and SHR-mtBN Conplastic Rat Strains. <i>Frontiers in Endocrinology</i> , 2019, 9, 809.	1.5	7
20	VERY SMALL AMOUNTS OF INORGANIC NITRATE OR BEETROOT PROVIDE SUBSTANTIAL PROTECTION FROM SALT-INDUCED INCREASES IN BLOOD PRESSURE. <i>Journal of Hypertension</i> , 2019, 37, e123.	0.3	0
21	Ethnicity-Specific Skeletal Muscle Transcriptional Signatures and Their Relevance to Insulin Resistance in Singapore. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 465-486.	1.8	4
22	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. <i>Hypertension Research</i> , 2019, 42, 6-18.	1.5	14
23	Transgenic overexpression of glutathione S-transferase $\beta$ -type 1 reduces hypertension and oxidative stress in the stroke-prone spontaneously hypertensive rat. <i>Journal of Hypertension</i> , 2019, 37, 985-996.	0.3	7
24	The pivotal role of renal vasodysfunction in salt sensitivity and the initiation of salt-induced hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2018, 27, 83-92.	1.0	30
25	Nrf2-Mediated Antioxidant Defense and Peroxiredoxin 6 Are Linked to Biosynthesis of Palmitic Acid Ester of 9-Hydroxystearic Acid. <i>Diabetes</i> , 2018, 67, 1190-1199.	0.3	52
26	Functional foods for augmenting nitric oxide activity and reducing the risk for salt-induced hypertension and cardiovascular disease in Japan. <i>Journal of Cardiology</i> , 2018, 72, 42-49.	0.8	13
27	$\beta$ -Adrenergic signaling, monoamine oxidase A and antioxidant defence in the myocardium of SHR and SHR-mtBN conplastic rat strains: the effect of chronic hypoxia. <i>Journal of Physiological Sciences</i> , 2018, 68, 441-454.	0.9	5
28	Systems genetic analysis of brown adipose tissue function. <i>Physiological Genomics</i> , 2018, 50, 52-66.	1.0	11
29	P98Cardiac ischemic tolerance of spontaneously hypertensive rats with increased expression of C-reactive protein. <i>Cardiovascular Research</i> , 2018, 114, S26-S26.	1.8	0
30	Systems Genetics Approaches in Rat Identify Novel Genes and Gene Networks Associated With Cardiac Conduction. <i>Journal of the American Heart Association</i> , 2018, 7, e009243.	1.6	18
31	Testing Computer Models Predicting Human Responses to a High-Salt Diet. <i>Hypertension</i> , 2018, 72, 1407-1416.	1.3	17
32	The expression of connexin 37 gene in the aorta of rat models of dyslipidemia, hypertension and dicarbonyl stress. <i>Atherosclerosis</i> , 2018, 275, e183-e184.	0.4	0
33	Reply. <i>Journal of Hypertension</i> , 2018, 36, 703-704.	0.3	0
34	Changes in the activity of some metabolic enzymes in the heart of SHR rat incurred by transgenic expression of CD36. <i>Journal of Physiology and Biochemistry</i> , 2018, 74, 479-489.	1.3	3
35	Mitochondrial genome modulates myocardial Akt/Glut/HK salvage pathway in spontaneously hypertensive rats adapted to chronic hypoxia. <i>Physiological Genomics</i> , 2018, 50, 532-541.	1.0	8
36	Unsupervised, Statistically Based Systems Biology Approach for Unraveling the Genetics of Complex Traits: A Demonstration with Ethanol Metabolism. <i>Alcoholism: Clinical and Experimental Research</i> , 2018, 42, 1177-1191.	1.4	7

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37	Genetically Determined Folate Deficiency Is Associated With Abnormal Hepatic Folate Profiles in the Spontaneously Hypertensive Rat. <i>Physiological Research</i> , 2018, 67, 417-422.	0.4	1
38	Dissecting the Role of <i>Folr1</i> and <i>Folh1</i> Genes in the Pathogenesis of Metabolic Syndrome in Spontaneously Hypertensive Rats. <i>Physiological Research</i> , 2018, 67, 657-662.	0.4	6
39	Acute Toxic Effects of Telmisartan in Spontaneously Hypertensive Rats Fed a High Fructose Diet. <i>Physiological Research</i> , 2018, 67, 851-856.	0.4	2
40	Genetic, physiological and comparative genomic studies of hypertension and insulin resistance in the spontaneously hypertensive rat. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 297-306.	1.2	13
41	Downregulation of <i>Plzf</i> Gene Ameliorates Metabolic and Cardiac Traits in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 2017, 69, 1084-1091.	1.3	41
42	An Appraisal of Methods Recently Recommended for Testing Salt Sensitivity of Blood Pressure. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	44
43	Selective replacement of mitochondrial DNA increases the cardioprotective effect of chronic continuous hypoxia in spontaneously hypertensive rats. <i>Clinical Science</i> , 2017, 131, 865-881.	1.8	19
44	Autocrine effects of transgenic resistin on brown adipose tissue glucose and lipid metabolism. <i>Atherosclerosis</i> , 2017, 263, e71.	0.4	1
45	The American Heart Association Scientific Statement on salt sensitivity of blood pressure. <i>Journal of Hypertension</i> , 2017, 35, 2214-2225.	0.3	28
46	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. <i>PLoS ONE</i> , 2017, 12, e0179063.	1.1	6
47	Connexin 50 Mutation Lowers Blood Pressure in Spontaneously Hypertensive Rat. <i>Physiological Research</i> , 2017, 66, 15-28.	0.4	8
48	Mutant <i>Wars2</i> Gene in Spontaneously Hypertensive Rats Impairs Brown Adipose Tissue Function and Predisposes to Visceral Obesity. <i>Physiological Research</i> , 2017, 66, 917-924.	0.4	21
49	Effects of Metformin on Tissue Oxidative and Dicarbonyl Stress in Transgenic Spontaneously Hypertensive Rats Expressing Human C-Reactive Protein. <i>PLoS ONE</i> , 2016, 11, e0150924.	1.1	21
50	Alterations in the cardiac proteome of the spontaneously hypertensive rat induced by transgenic expression of CD36. <i>Journal of Proteomics</i> , 2016, 145, 177-186.	1.2	9
51	Comparative effect of silymarin and silybin treatment on inflammation and oxidative stress in transgenic spontaneously hypertensive rats overexpressing human C-reactive protein. <i>Atherosclerosis</i> , 2016, 252, e220.	0.4	1
52	Transgenic overexpression of the <i>Nrf2</i> ameliorates insulin resistance and changes fatty acids in membrane phospholipids in spontaneously hypertensive rats. <i>Atherosclerosis</i> , 2016, 252, e146.	0.4	0
53	Uncovering the liver's role in immunity through RNA co-expression networks. <i>Mammalian Genome</i> , 2016, 27, 469-484.	1.0	12
54	An alternative hypothesis to the widely held view that renal excretion of sodium accounts for resistance to salt-induced hypertension. <i>Kidney International</i> , 2016, 90, 965-973.	2.6	32

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55	Wars2 is a determinant of angiogenesis. <i>Nature Communications</i> , 2016, 7, 12061.	5.8	45
56	Splicing mutation in Sbf1 causes nonsyndromic male infertility in the rat. <i>Reproduction</i> , 2016, 152, 215-223.	1.1	7
57	Autocrine effects of transgenic resistin reduce palmitate and glucose oxidation in brown adipose tissue. <i>Physiological Genomics</i> , 2016, 48, 420-427.	1.0	4
58	Genetic Variation in Renal Expression of <i>Folate Receptor 1</i> ( <i>Folr1</i> ) Gene Predisposes Spontaneously Hypertensive Rats to Metabolic Syndrome. <i>Hypertension</i> , 2016, 67, 335-341.	1.3	14
59	Isolation of a Genomic Region Affecting Most Components of Metabolic Syndrome in a Chromosome-16 Congenic Rat Model. <i>PLoS ONE</i> , 2016, 11, e0152708.	1.1	8
60	Von Willebrand Factor Gene Variants Associate with Herpes simplex Encephalitis. <i>PLoS ONE</i> , 2016, 11, e0155832.	1.1	6
61	Targeting of the Plzf Gene in the Rat by Transcription Activator-Like Effector Nuclease Results in Caudal Regression Syndrome in Spontaneously Hypertensive Rats. <i>PLoS ONE</i> , 2016, 11, e0164206.	1.1	13
62	Hepatotoxic Effects of Fenofibrate in Spontaneously Hypertensive Rats Expressing Human C-Reactive Protein. <i>Physiological Research</i> , 2016, 65, 891-899.	0.4	10
63	Effects of Transgenic Expression of Dopamine Beta Hydroxylase (Dbh) Gene on Blood Pressure in Spontaneously Hypertensive Rats. <i>Physiological Research</i> , 2016, 65, 1039-1044.	0.4	3
64	GW26-e2423 The role of mutant Plzf in metabolic and hemodynamic disturbances in spontaneously hypertensive rats. <i>Journal of the American College of Cardiology</i> , 2015, 66, C274-C275.	1.2	0
65	Translational regulation shapes the molecular landscape of complex disease phenotypes. <i>Nature Communications</i> , 2015, 6, 7200.	5.8	79
66	Lipid-lowering and antioxidant effect of metformin in spontaneously hypertensive rats expressing human c-reactive protein. <i>Atherosclerosis</i> , 2015, 241, e207.	0.4	0
67	Molecular-Based Mechanisms of Mendelian Forms of Salt-Dependent Hypertension. <i>Hypertension</i> , 2015, 65, 932-941.	1.3	40
68	histoneHMM: Differential analysis of histone modifications with broad genomic footprints. <i>BMC Bioinformatics</i> , 2015, 16, 60.	1.2	28
69	Rosuvastatin Ameliorates Inflammation, Renal Fat Accumulation, and Kidney Injury in Transgenic Spontaneously Hypertensive Rats Expressing Human C-Reactive Protein. <i>Physiological Research</i> , 2015, 64, 295-301.	0.4	4
70	Gender-Related Effects on Substrate Utilization and Metabolic Adaptation in Hairless Spontaneously Hypertensive Rat. <i>Physiological Research</i> , 2015, 64, 51-60.	0.4	6
71	Fumaric Acid Esters Can Block Pro-Inflammatory Actions of Human CRP and Ameliorate Metabolic Disturbances in Transgenic Spontaneously Hypertensive Rats. <i>PLoS ONE</i> , 2014, 9, e101906.	1.1	22
72	Genetic Analysis of the Cardiac Methylome at Single Nucleotide Resolution in a Model of Human Cardiovascular Disease. <i>PLoS Genetics</i> , 2014, 10, e1004813.	1.5	19

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73	P658 Adaptation to continuous normobaric hypoxia affects mitochondrial enzymes in spontaneously hypertensive rat hearts. <i>Cardiovascular Research</i> , 2014, 103, S120.2-S120.	1.8	0
74	Effects of mtDNA in SHR-mt <sup>F344</sup> versus SHR conplastic strains on reduced OXPHOS enzyme levels, insulin resistance, cardiac hypertrophy, and systolic dysfunction. <i>Physiological Genomics</i> , 2014, 46, 671-678.	1.0	18
75	Rosuvastatin Can Block Pro-inflammatory Actions of Transgenic Human C-reactive Protein Without Reducing its Circulating Levels. <i>Cardiovascular Therapeutics</i> , 2014, 32, 59-65.	1.1	10
76	Germline transgenesis in rodents by pronuclear microinjection of Sleeping Beauty transposons. <i>Nature Protocols</i> , 2014, 9, 773-793.	5.5	57
77	Plzf as a Candidate Gene Predisposing the Spontaneously Hypertensive Rat to Hypertension, Left Ventricular Hypertrophy, and Interstitial Fibrosis. <i>American Journal of Hypertension</i> , 2014, 27, 99-106.	1.0	25
78	Germline transgenesis in pigs by cytoplasmic microinjection of Sleeping Beauty transposons. <i>Nature Protocols</i> , 2014, 9, 810-827.	5.5	67
79	Natural variation of histone modification and its impact on gene expression in the rat genome. <i>Genome Research</i> , 2014, 24, 942-953.	2.4	53
80	Germline transgenesis in rabbits by pronuclear microinjection of Sleeping Beauty transposons. <i>Nature Protocols</i> , 2014, 9, 794-809.	5.5	62
81	P446 Myocardial ischemic tolerance and expression of selected genes in spontaneously hypertensive rats adapted to chronic continuous hypoxia. <i>Cardiovascular Research</i> , 2014, 103, S82.2-S82.	1.8	0
82	Fumaric acid esters can block pro-inflammatory actions of human CRP and ameliorate metabolic disturbances in transgenic spontaneously hypertensive rats. <i>Atherosclerosis</i> , 2014, 235, e268.	0.4	1
83	Adaptation to chronic hypoxia improves cardiac ischemic tolerance in spontaneously hypertensive rats (1080.3). <i>FASEB Journal</i> , 2014, 28, 1080.3.	0.2	0
84	Transgenic rescue of defective Cd36 enhances myocardial adenylyl cyclase signaling in spontaneously hypertensive rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 1477-1486.	1.3	9
85	Mapping genetic determinants of coronary microvascular remodeling in the spontaneously hypertensive rat. <i>Basic Research in Cardiology</i> , 2013, 108, 316.	2.5	26
86	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. <i>Human Molecular Genetics</i> , 2013, 22, 3624-3640.	1.4	46
87	Transposon-mediated transgenesis, transgenic rescue, and tissue-specific gene expression in rodents and rabbits. <i>FASEB Journal</i> , 2013, 27, 930-941.	0.2	86
88	Systems-level approaches reveal conservation of trans-regulated genes in the rat and genetic determinants of blood pressure in humans. <i>Cardiovascular Research</i> , 2013, 97, 653-665.	1.8	31
89	Folate Deficiency Is Associated With Oxidative Stress, Increased Blood Pressure, and Insulin Resistance in Spontaneously Hypertensive Rats. <i>American Journal of Hypertension</i> , 2013, 26, 135-140.	1.0	76
90	Tissue-Specific Peroxisome Proliferator Activated Receptor Gamma Expression and Metabolic Effects of Telmisartan. <i>American Journal of Hypertension</i> , 2013, 26, 829-835.	1.0	9

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91	CD36 overexpression predisposes to arrhythmias but reduces infarct size in spontaneously hypertensive rats: gene expression profile analysis. <i>Physiological Genomics</i> , 2012, 44, 173-182.	1.0	19
92	Nonsynonymous variants in mt-Nd2, mt-Nd4, and mt-Nd5 are linked to effects on oxidative phosphorylation and insulin sensitivity in rat conplastic strains. <i>Physiological Genomics</i> , 2012, 44, 487-494.	1.0	25
93	Genetic basis of transcriptome differences between the founder strains of the rat HXB/BXH recombinant inbred panel. <i>Genome Biology</i> , 2012, 13, r31.	13.9	32
94	Effect of Cd36 on cardiac ischemic tolerance and adrenergic signaling in spontaneously hypertensive rats. <i>FASEB Journal</i> , 2012, 26, 1136.9.	0.2	0
95	Endonuclease G is a novel determinant of cardiac hypertrophy and mitochondrial function. <i>Nature</i> , 2011, 478, 114-118.	13.7	135
96	Role of FAT/CD36 in novel PKC isoform activation in heart of spontaneously hypertensive rats. <i>Molecular and Cellular Biochemistry</i> , 2011, 357, 163-169.	1.4	7
97	Effects of Human C-Reactive Protein on Pathogenesis of Features of the Metabolic Syndrome. <i>Hypertension</i> , 2011, 57, 731-737.	1.3	61
98	Integrated genomic approaches to identification of candidate genes underlying metabolic and cardiovascular phenotypes in the spontaneously hypertensive rat. <i>Physiological Genomics</i> , 2011, 43, 1207-1218.	1.0	26
99	Age-related autocrine diabetogenic effects of transgenic resistin in spontaneously hypertensive rats: gene expression profile analysis. <i>Physiological Genomics</i> , 2011, 43, 372-379.	1.0	6
100	Rodent Transgenesis Mediated by a Novel Hyperactive Sleeping Beauty Transposon System. <i>Methods in Molecular Biology</i> , 2011, 738, 87-99.	0.4	11
101	Recent Advances in Genetics of the Spontaneously Hypertensive Rat. <i>Current Hypertension Reports</i> , 2010, 12, 5-9.	1.5	37
102	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. <i>Molecular and Cellular Biochemistry</i> , 2010, 335, 119-125.	1.4	25
103	A trans-acting locus regulates an anti-viral expression network and type 1 diabetes risk. <i>Nature</i> , 2010, 467, 460-464.	13.7	271
104	Effect of telmisartan on selected adipokines, insulin sensitivity, and substrate utilization during insulin-stimulated conditions in patients with metabolic syndrome and impaired fasting glucose. <i>European Journal of Endocrinology</i> , 2010, 163, 573-583.	1.9	14
105	Genetic regulation of catecholamine synthesis, storage and secretion in the spontaneously hypertensive rat. <i>Human Molecular Genetics</i> , 2010, 19, 2567-2580.	1.4	25
106	New Insights into the Genetic Control of Gene Expression using a Bayesian Multi-tissue Approach. <i>PLoS Computational Biology</i> , 2010, 6, e1000737.	1.5	55
107	The genome sequence of the spontaneously hypertensive rat: Analysis and functional significance. <i>Genome Research</i> , 2010, 20, 791-803.	2.4	84
108	Succinimidyl oleate, established inhibitor of CD36/FAT translocase inhibits complex III of mitochondrial respiratory chain. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1348-1351.	1.0	9

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109	Generation of Rat "Supersonic" Congenic/Conplastic Strains Using Superovulation and Embryo Transfer. <i>Methods in Molecular Biology</i> , 2010, 597, 267-275.	0.4	8
110	Use of Rat Genomics for Investigating the Metabolic Syndrome. <i>Methods in Molecular Biology</i> , 2010, 597, 415-426.	0.4	10
111	Genetic locus on rat chromosome 20 regulates diet-induced adipocyte hypertrophy: a microarray gene expression study. <i>Physiological Genomics</i> , 2009, 38, 63-72.	1.0	5
112	Dissection of Chromosome 18 Blood Pressure and Salt-Sensitivity Quantitative Trait Loci in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 2009, 54, 639-645.	1.3	17
113	Genetical genomic determinants of alcohol consumption in rats and humans. <i>BMC Biology</i> , 2009, 7, 70.	1.7	148
114	Long-term pioglitazone treatment enhances lipolysis in rat adipose tissue. <i>International Journal of Obesity</i> , 2008, 32, 1848-1853.	1.6	7
115	SNP and haplotype mapping for genetic analysis in the rat. <i>Nature Genetics</i> , 2008, 40, 560-566.	9.4	172
116	Integrated genomic approaches implicate osteoglycin (Ogn) in the regulation of left ventricular mass. <i>Nature Genetics</i> , 2008, 40, 546-552.	9.4	150
117	Distribution and functional impact of DNA copy number variation in the rat. <i>Nature Genetics</i> , 2008, 40, 538-545.	9.4	186
118	Progress and prospects in rat genetics: a community view. <i>Nature Genetics</i> , 2008, 40, 516-522.	9.4	265
119	Identification of renal Cd36 as a determinant of blood pressure and risk for hypertension. <i>Nature Genetics</i> , 2008, 40, 952-954.	9.4	97
120	FUNCTIONAL ANALYSIS OF PROTEIN VISFATIN USING RNA INTERFERENCE. <i>Atherosclerosis Supplements</i> , 2008, 9, 18.	1.2	0
121	Identification of Mutated Srebf1 as a QTL Influencing Risk for Hepatic Steatosis in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 2008, 51, 148-153.	1.3	31
122	Molecule-specific Effects of Angiotensin II-Receptor Blockers Independent of the Renin-Angiotensin System. <i>American Journal of Hypertension</i> , 2008, 21, 852-859.	1.0	26
123	Hemodynamic Characterization of Recombinant Inbred Strains: Twenty Years Later. <i>Hypertension Research</i> , 2008, 31, 1659-1668.	1.5	8
124	Telmisartan increases fatty acid oxidation in skeletal muscle through a peroxisome proliferator-activated receptor- $\beta$ dependent pathway. <i>Journal of Hypertension</i> , 2008, 26, 1209-1215.	0.3	30
125	Insight into the genetics of hypertension, a core component of the metabolic syndrome. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2008, 11, 393-397.	1.3	10
126	Genome-Wide Co-Expression Analysis in Multiple Tissues. <i>PLoS ONE</i> , 2008, 3, e4033.	1.1	21



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127	Direct linkage of mitochondrial genome variation to risk factors for type 2 diabetes in conplastic strains. <i>Genome Research</i> , 2007, 17, 1319-1326.	2.4	78
128	Molecular Genetics of Experimental Hypertension and the Metabolic Syndrome. <i>Hypertension</i> , 2007, 49, 941-952.	1.3	42
129	Effect of acute hyperinsulinaemia with and without angiotensin II type 1 receptor blockade on resistin and adiponectin concentrations and expressions in healthy subjects. <i>European Journal of Endocrinology</i> , 2007, 157, 443-449.	1.9	15
130	PO22-700 TELMISARTAN COMPARED TO LOSARTAN AMELIORATES INSULIN RESISTANCE AND DYSLIPIDEMIA IN PD RATS. <i>Atherosclerosis Supplements</i> , 2007, 8, 187.	1.2	0
131	Th-W48:5 Prodiabetogenic effects of transgenic resistin in old spontaneously hypertensive rats. <i>Atherosclerosis Supplements</i> , 2006, 7, 463.	1.2	0
132	We-P11:123 Long-term effects of pioglitazone on cardiovascular risk factors in sucrose FED rats. <i>Atherosclerosis Supplements</i> , 2006, 7, 373.	1.2	0
133	Genetic relationship between placental and fetal weights and markers of the metabolic syndrome in rat recombinant inbred strains. <i>Physiological Genomics</i> , 2006, 26, 226-231.	1.0	23
134	Reply to "Normalization procedures and detection of linkage signal in genetical-genomics experiments". <i>Nature Genetics</i> , 2006, 38, 858-859.	9.4	3
135	Integrated gene expression profiling and linkage analysis in the rat. <i>Mammalian Genome</i> , 2006, 17, 480-489.	1.0	20
136	Heritability and Tissue Specificity of Expression Quantitative Trait Loci. <i>PLoS Genetics</i> , 2006, 2, e172.	1.5	183
137	Fat-specific transgenic expression of resistin in the spontaneously hypertensive rat impairs fatty acid re-esterification. <i>International Journal of Obesity</i> , 2006, 30, 1157-1159.	1.6	16
138	Telmisartan But Not Valsartan Increases Caloric Expenditure and Protects Against Weight Gain and Hepatic Steatosis. <i>Hypertension</i> , 2006, 47, 1003-1009.	1.3	141
139	Integrated transcriptional profiling and linkage analysis for identification of genes underlying disease. <i>Nature Genetics</i> , 2005, 37, 243-253.	9.4	476
140	Genetic analysis of complex cardiovascular traits in the spontaneously hypertensive rat. <i>Experimental Physiology</i> , 2005, 90, 273-276.	0.9	13
141	A New Transgenic Rat Model of Hepatic Steatosis and the Metabolic Syndrome. <i>Hypertension</i> , 2005, 45, 1004-1011.	1.3	39
142	W11-0-002 Genetic and correlation analyses of a thrifty phenotype hypothesis in rat RI strains. <i>Atherosclerosis Supplements</i> , 2005, 6, 56.	1.2	0
143	CD36 Mediates the Phagocytosis of Plasmodium falciparum-Infected Erythrocytes by Rodent Macrophages. <i>Journal of Infectious Diseases</i> , 2004, 189, 204-213.	1.9	127
144	Identification of Telmisartan as a Unique Angiotensin II Receptor Antagonist With Selective PPAR $\gamma$ -Modulating Activity. <i>Hypertension</i> , 2004, 43, 993-1002.	1.3	1,009

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145	The Collaborative Cross, a community resource for the genetic analysis of complex traits. <i>Nature Genetics</i> , 2004, 36, 1133-1137.	9.4	1,034
146	A spontaneous mutation in the desmoglein 4 gene underlies hypotrichosis in a new lanceolate hair rat model. <i>Differentiation</i> , 2004, 72, 541-547.	1.0	29
147	Salt preference of congenic strains derived from the spontaneously hypertensive rat. <i>Physiology and Behavior</i> , 2004, 80, 617-622.	1.0	12
148	Antidiabetic mechanisms of angiotensin-converting enzyme inhibitors and angiotensin II receptor antagonists. <i>Journal of Hypertension</i> , 2004, 22, 2253-2261.	0.3	172
149	IDENTIFICATION OF GENES DETERMINING THE DIET-INDUCED METABOLIC SYNDROME IN THE RAT. <i>Journal of Hypertension</i> , 2004, 22, S65.	0.3	1
150	Sequencing and chromosomal localization of Fabp6 and an intronless Fabp6 segment in the rat. <i>Molecular Biology Reports</i> , 2003, 30, 173-176.	1.0	8
151	Genetic map of AFLP markers in the rat ( <i>Rattus norvegicus</i> ) derived from the H x B/lpcv and B x H/Cub sets of recombinant inbred strains. <i>Biochemical Genetics</i> , 2003, 41, 77-89.	0.8	2
152	A new framework marker-based linkage map and SDPs for the Rat HXB/BXH strain set. <i>Mammalian Genome</i> , 2003, 14, 537-546.	1.0	15
153	The CD36 protein functions as an immunogenic domain of the RT8 alloantigen. <i>International Journal of Immunogenetics</i> , 2003, 30, 325-327.	1.2	3
154	Liver copper content of rats hypo- or hyperresponsive to dietary cholesterol. <i>Journal of Trace Elements in Medicine and Biology</i> , 2003, 17, 177-182.	1.5	4
155	Gene Expression Profiling in Hypertension Research. <i>Hypertension</i> , 2003, 41, 3-8.	1.3	51
156	TA Repeat Variation, Npr1 Expression, and Blood Pressure. <i>Hypertension</i> , 2003, 41, 16-24.	1.3	19
157	Transgenic and Recombinant Resistin Impair Skeletal Muscle Glucose Metabolism in the Spontaneously Hypertensive Rat. <i>Journal of Biological Chemistry</i> , 2003, 278, 45209-45215.	1.6	98
158	Segment of Rat Chromosome 20 Regulates Diet-Induced Augmentations in Adiposity, Glucose Intolerance, and Blood Pressure. <i>Hypertension</i> , 2003, 41, 1047-1055.	1.3	23
159	Pharmacogenetic Evidence That Cd36 Is a Key Determinant of the Metabolic Effects of Pioglitazone. <i>Journal of Biological Chemistry</i> , 2002, 277, 48501-48507.	1.6	55
160	Heart Rate and Blood Pressure Quantitative Trait Loci for the Airpuff Startle Reaction. <i>Hypertension</i> , 2002, 39, 348-352.	1.3	19
161	Identification and chromosomal localization of ecogenetic components of electrolyte excretion. <i>Journal of Hypertension</i> , 2002, 20, 209-217.	0.3	11
162	Genetic analysis of metabolic defects in the spontaneously hypertensive rat. <i>Mammalian Genome</i> , 2002, 13, 253-258.	1.0	12

#	ARTICLE	IF	CITATIONS
163	Genome scanning of the HXB/BXH sets of recombinant inbred strains of the rat for quantitative trait loci associated with conditioned taste aversion. <i>Behavior Genetics</i> , 2002, 32, 51-56.	1.4	15
164	Genetics of Cd36 and the hypertension metabolic syndrome. <i>Seminars in Nephrology</i> , 2002, 22, 148-153.	0.6	16
165	Genetic and Correlation Analysis of Hepatic Copper Content in the Rat. <i>Biochemical and Biophysical Research Communications</i> , 2001, 289, 1247-1251.	1.0	5
166	Genetic isolation of a blood pressure quantitative trait locus on chromosome 2 in the spontaneously hypertensive rat. <i>Journal of Hypertension</i> , 2001, 19, 1061-1064.	0.3	15
167	Identification of a mutation in ADD1/SREBP-1 in the spontaneously hypertensive rat. <i>Mammalian Genome</i> , 2001, 12, 295-298.	1.0	17
168	Transgenic rescue of defective Cd36 ameliorates insulin resistance in spontaneously hypertensive rats. <i>Nature Genetics</i> , 2001, 27, 156-158.	9.4	186
169	Defective Fatty Acid Uptake in the Spontaneously Hypertensive Rat Is a Primary Determinant of Altered Glucose Metabolism, Hyperinsulinemia, and Myocardial Hypertrophy. <i>Journal of Biological Chemistry</i> , 2001, 276, 23661-23666.	1.6	166
170	Workshop: Excess Growth and Apoptosis. <i>Hypertension</i> , 2001, 37, 760-766.	1.3	55
171	Y-Chromosome Transfer Induces Changes in Blood Pressure and Blood Lipids in SHR. <i>Hypertension</i> , 2001, 37, 1147-1152.	1.3	38
172	Mapping of quantitative trait loci (QTL) of differential stress gene expression in rat recombinant inbred strains. <i>Journal of Hypertension</i> , 2000, 18, 545-551.	0.3	35
173	Derivation of SHR-chromosome 4 congenic sublines for fine genetic mapping of quantitative trait loci with major effects on insulin resistance and blood pressure. <i>Journal of Experimental Animal Science</i> , 2000, 41, 44-46.	0.5	0
174	Genetics of rat hypodactyly. <i>Journal of Experimental Animal Science</i> , 2000, 41, 47-50.	0.5	2
175	Putative candidate genes for blood pressure control in the SHR.BN-RNO8 congenic substrains. <i>Journal of Experimental Animal Science</i> , 2000, 41, 51-53.	0.5	1
176	Genetic Analysis of Rat Chromosome 1 and the <i>Sa</i> Gene in Spontaneous Hypertension. <i>Hypertension</i> , 2000, 35, 225-230.	1.3	37
177	Contribution of Autosomal Loci and the Y Chromosome to the Stress Response in Rats. <i>Hypertension</i> , 2000, 35, 568-573.	1.3	31
178	Chromosomal Mapping of a Major Quantitative Trait Locus Regulating Compensatory Renal Growth in the Rat. <i>Journal of the American Society of Nephrology: JASN</i> , 2000, 11, 1261-1265.	3.0	7
179	Effect of Chromosome 19 Transfer on Blood Pressure in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 1999, 33, 256-260.	1.3	25
180	Genetic Isolation of a Chromosome 1 Region Affecting Susceptibility to Hypertension-Induced Renal Damage in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 1999, 34, 187-191.	1.3	47

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181	Mapping of quantitative trait loci for seminal vesicle mass and litter size to rat chromosome 8. <i>Reproduction</i> , 1999, 116, 329-333.	1.1	11
182	Identification of Cd36 (Fat) as an insulin-resistance gene causing defective fatty acid and glucose metabolism in hypertensive rats. <i>Nature Genetics</i> , 1999, 21, 76-83.	9.4	692
183	Report on rat chromosome 1. <i>Journal of Experimental Animal Science</i> , 1999, 40, 5-18.	0.5	2
184	Report on rat chromosome 8. <i>Journal of Experimental Animal Science</i> , 1999, 40, 69-76.	0.5	2
185	Transfer of the Y chromosome from the brown norway rat into the SHR induces significant decreases in blood pressure.. <i>American Journal of Hypertension</i> , 1999, 12, 16.	1.0	1
186	Congenic strains for genetic analysis of hypertension and dyslipidemia in the spontaneously hypertensive rat. <i>Transplantation Proceedings</i> , 1999, 31, 1555-1556.	0.3	8
187	Graft-versus-host disease in the rat: a genetic analysis in recombinant inbred strains of SHR × BN. Lx and BN. Lx × SHR sets. <i>Transplantation Proceedings</i> , 1999, 31, 1569-1570.	0.3	1
188	Rat congenic and recombinant inbred strains: a genetic model for the study of quantitative trait loci. <i>Transplantation Proceedings</i> , 1999, 31, 1592-1593.	0.3	5
189	Linkage mapping of rat hypodactyly locus to chromosome 10. <i>Transplantation Proceedings</i> , 1999, 31, 1620.	0.3	2
190	Contribution of the TNF $\alpha$ gene region of rat chromosome 20 to the body temperature response to endotoxin. <i>Transplantation Proceedings</i> , 1999, 31, 1622-1623.	0.3	3
191	Genetics of Cd36 and the clustering of multiple cardiovascular risk factors in spontaneous hypertension. <i>Journal of Clinical Investigation</i> , 1999, 103, 1651-1657.	3.9	99
192	Genetic dissection of testicular weight in the mouse with the BXD recombinant inbred strains. <i>Mammalian Genome</i> , 1998, 9, 503-505.	1.0	19
193	Newborn and adult recombinant inbred strains: A tool to search for genetic determinants of target organ damage in hypertension. <i>Kidney International</i> , 1998, 53, 1488-1492.	2.6	33
194	A Genetic and Correlation Analysis of Liver Cholesterol Concentration in Rat Recombinant Inbred Strains Fed a High Cholesterol Diet. <i>Biochemical and Biophysical Research Communications</i> , 1998, 246, 272-275.	1.0	13
195	Quantitative Trait Loci for Compensatory Renal Hypertrophy in the Mouse. <i>Biochemical and Biophysical Research Communications</i> , 1998, 248, 473-475.	1.0	6
196	Effect of Renin Gene Transfer on Blood Pressure in the Spontaneously Hypertensive Rat. <i>Hypertension</i> , 1998, 31, 373-377.	1.3	16
197	Genetic analysis of graft-versus-host disease using rat recombinant inbred strains. <i>Transplantation Proceedings</i> , 1997, 29, 1734-1735.	0.3	3
198	Rat genome mapping using recombinant inbred strains. <i>Transplantation Proceedings</i> , 1997, 29, 1768.	0.3	3

#	ARTICLE	IF	CITATIONS
199	Map of the differential segment of rat chromosome 8 in the SHR-Lx congenic strain. Transplantation Proceedings, 1997, 29, 1769.	0.3	1
200	Quantitative trait loci for cellular defects in glucose and fatty acid metabolism in hypertensive rats. Nature Genetics, 1997, 16, 197-201.	9.4	138
201	Mapping genes controlling hematocrit in the spontaneously hypertensive rat. Mammalian Genome, 1997, 8, 387-389.	1.0	17
202	Linkage mapping of the cellular retinoic acid-binding protein 1 (Crabpl) gene to rat Chromosome 8. Mammalian Genome, 1997, 8, 455-456.	1.0	3
203	Linkage mapping of the mixed-lineage leukemia (Mll) gene to rat chromosome 8. Mammalian Genome, 1997, 8, 625-626.	1.0	2
204	Rat Chromosome 1: Regional localization of seven genes (Slc9a3, Srd5a1, Esr, Tcp1, Grik5, Tnnt3, Jak2) and anchoring of the genetic linkage map to the cytogenetic map. Mammalian Genome, 1997, 8, 657-660.	1.0	15
205	Linkage mapping of the Na-K-2Cl cotransporter gene (Slc12a1) to rat chromosome 3. Mammalian Genome, 1997, 8, 379-379.	1.0	4
206	Genetic Isolation of a Chromosome 1 Region Affecting Blood Pressure in the Spontaneously Hypertensive Rat. Hypertension, 1997, 30, 854-858.	1.3	36
207	Genetic isolation of a region of chromosome 8 that exerts major effects on blood pressure and cardiac mass in the spontaneously hypertensive rat.. Journal of Clinical Investigation, 1997, 99, 577-581.	3.9	74
208	Genetic susceptibility to hypertension-induced renal damage in the rat. Evidence based on kidney-specific genome transfer.. Journal of Clinical Investigation, 1997, 100, 1373-1382.	3.9	86
209	Use of AFLP Markers for Gene Mapping and QTL Detection in the Rat. Genomics, 1996, 37, 289-294.	1.3	64
210	A genetic linkage map of the rat derived from recombinant inbred strains. Mammalian Genome, 1996, 7, 117-127.	1.0	108
211	Linkage mapping of the carboxyl ester lipase gene (Cel) to rat Chromosome 3. Mammalian Genome, 1996, 7, 559-560.	1.0	2
212	Effects of renin gene transfer on blood pressure and renin gene expression in a congenic strain of Dahl salt-resistant rats.. Journal of Clinical Investigation, 1996, 97, 522-527.	3.9	47
213	Quantitative trait loci influencing cholesterol and phospholipid phenotypes map to chromosomes that contain genes regulating blood pressure in the spontaneously hypertensive rat.. Journal of Clinical Investigation, 1996, 98, 856-862.	3.9	75
214	Mapping and sequence analysis of the gene encoding the beta subunit of the epithelial sodium channel in experimental models of hypertension. Journal of Hypertension, 1995, 13, 1247-1251.	0.3	27
215	A genetic linkage map of the laboratory rat, Rattus norvegicus. Nature Genetics, 1995, 9, 63-69.	9.4	477
216	Mapping of quantitative trait loci for blood pressure and cardiac mass in the rat by genome scanning of recombinant inbred strains.. Journal of Clinical Investigation, 1995, 96, 1973-1978.	3.9	146

#	ARTICLE	IF	CITATIONS
217	Genetic contamination of Dahl SS/Jr rats. Impact on studies of salt-sensitive hypertension.. Hypertension, 1994, 23, 786-790.	1.3	45
218	Biochemical genetics of methylglyoxal dehydrogenases in the laboratory rat ( <i>Rattus norvegicus</i> ). Biochemical Genetics, 1994, 32, 147-154.	0.8	9
219	USE OF RECOMBINANT INBRED STRAINS FOR EVALUATION OF INTERMEDIATE PHENOTYPES IN SPONTANEOUS HYPERTENSION. Clinical and Experimental Pharmacology and Physiology, 1994, 21, 903-906.	0.9	6
220	GENES OF STRESS IN EXPERIMENTAL HYPERTENSION. Clinical and Experimental Pharmacology and Physiology, 1994, 21, 907-911.	0.9	8
221	Linkage Mapping of Alkaline Phosphatase 1, Inhibin $\hat{\pm}$ Subunit, and $\hat{\beta}$ -Crystallin 1 on Rat Chromosome 9 and Na <sup>+</sup> ,K <sup>+</sup> -ATPase $\hat{\pm}$ 2 Subunit, Renin, and Leukocyte Common Antigen on Rat Chromosome 13. Genomics, 1994, 19, 190-191.	1.3	8
222	Genetic mapping of two new blood pressure quantitative trait loci in the rat by genotyping endothelin system genes.. Journal of Clinical Investigation, 1994, 93, 2701-2709.	3.9	116
223	New genetic models for hypertension research. Trends in Cardiovascular Medicine, 1993, 3, 119-123.	2.3	6
224	Renal renin activity is associated with alterations of the renin gene in recombinant inbred rat strains. Clinical Science, 1993, 84, 129-132.	1.8	3
225	Hypertensive strains and normotensive 'control' strains. How closely are they related?. Hypertension, 1992, 19, 419-424.	1.3	91
226	Platelet aggregation in spontaneous hypertension. Journal of Hypertension, 1992, 10, 1453-1456.	0.3	13
227	Assignment of rat linkage group V to chromosome 19 by single-strand conformation polymorphism analysis of somatic cell hybrids. Genomics, 1992, 12, 350-356.	1.3	19
228	Association of red blood cell sodium leak with blood pressure in recombinant inbred strains.. Hypertension, 1992, 20, 575-582.	1.3	13
229	Restriction fragment length polymorphism of hsp70 gene, localized in the RT1 complex, is associated with hypertension in spontaneously hypertensive rats.. Hypertension, 1992, 19, 611-614.	1.3	57
230	The rat renin gene: Assignment to chromosome 13 and linkage to the regulation of blood pressure. Genomics, 1991, 9, 466-472.	1.3	70
231	Cosegregation of blood pressure with a kallikrein gene family polymorphism.. Hypertension, 1991, 17, 242-246.	1.3	205
232	Genetic determination of heart and kidney weights studied using a set of recombinant inbred strains: the relationship to blood pressure. Journal of Hypertension, 1990, 8, 1091-1095.	0.3	21
233	An analysis of spontaneous hypertension in spontaneously hypertensive rats by means of new recombinant inbred strains. Journal of Hypertension, 1989, 7, 270.	0.3	156