Michal Pravenec

List of Publications by Year
in descending order

233 papers	11,065 citations	44069 48 h-index	33894 99 g-index
243 all docs	243 docs citations	243 times ranked	11243 citing authors

#	Article	IF	Citations
1	The Collaborative Cross, a community resource for the genetic analysis of complex traits. Nature Genetics, 2004, 36, 1133-1137.	21.4	1,034
2	Identification of Telmisartan as a Unique Angiotensin II Receptor Antagonist With Selective PPARÎ³â€"Modulating Activity. Hypertension, 2004, 43, 993-1002.	2.7	1,009
3	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.	21.4	692
4	A genetic linkage map of the laboratory rat, Rattus norvegicus. Nature Genetics, 1995, 9, 63-69.	21.4	477
5	Integrated transcriptional profiling and linkage analysis for identification of genes underlying disease. Nature Genetics, 2005, 37, 243-253.	21.4	476
6	A trans-acting locus regulates an anti-viral expression network and type 1 diabetes risk. Nature, 2010, 467, 460-464.	27.8	271
7	Progress and prospects in rat genetics: a community view. Nature Genetics, 2008, 40, 516-522.	21.4	265
8	Cosegregation of blood pressure with a kallikrein gene family polymorphism.. Hypertension, 1991, 17, 242-246.	2.7	205
9	Transgenic rescue of defective Cd36 ameliorates insulin resistance in spontaneously hypertensive rats. Nature Genetics, 2001, 27, 156-158.	21.4	186
10	Distribution and functional impact of DNA copy number variation in the rat. Nature Genetics, 2008, 40, 538-545.	21.4	186
11	Heritability and Tissue Specificity of Expression Quantitative Trait Loci. PLoS Genetics, 2006, 2, e172.	3.5	183
12	Antidiabetic mechanisms of angiotensin-converting enzyme inhibitors and angiotensin II receptor antagonists. Journal of Hypertension, 2004, 22, 2253-2261.	0.5	172
13	SNP and haplotype mapping for genetic analysis in the rat. Nature Genetics, 2008, 40, 560-566.	21.4	172
14	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, 23661-23666.	3.4	166
15	An analysis of spontaneous hypertension in spontaneously hypertensive rats by means of new recombinant inbred strains. Journal of Hypertension, 1989, 7, 270.	0.5	156
16	Integrated genomic approaches implicate osteoglycin (Ogn) in the regulation of left ventricular mass. Nature Genetics, 2008, 40, 546-552.	21.4	150
17	Genetical genomic determinants of alcohol consumption in rats and humans. BMC Biology, 2009, 7, 70.	3.8	148
18	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.	8.2	146

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19	Telmisartan But Not Valsartan Increases Caloric Expenditure and Protects Against Weight Gain and Hepatic Steatosis. Hypertension, 2006, 47, 1003-1009.	2.7	141
20	Quantitative trait loci for cellular defects in glucose and fatty acid metabolism in hypertensive rats. Nature Genetics, 1997, 16, 197-201.	21.4	138
21	Endonuclease G is a novel determinant of cardiac hypertrophy and mitochondrial function. Nature, 2011, 478, 114-118.	27.8	135
22	CD36 Mediates the Phagocytosis ofPlasmodium falciparumâ€"Infected Erythrocytes by Rodent Macrophages. Journal of Infectious Diseases, 2004, 189, 204-213.	4.0	127
23	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.	8.2	116
24	A genetic linkage map of the rat derived from recombinant inbred strains. Mammalian Genome, 1996, 7, 117-127.	2.2	108
25	Genetics of Cd36 and the clustering of multiple cardiovascular risk factors in spontaneous hypertension. Journal of Clinical Investigation, 1999, 103, 1651-1657.	8.2	99
26	Transgenic and Recombinant Resistin Impair Skeletal Muscle Glucose Metabolism in the Spontaneously Hypertensive Rat. Journal of Biological Chemistry, 2003, 278, 45209-45215.	3.4	98
27	Identification of renal Cd36 as a determinant of blood pressure and risk for hypertension. Nature Genetics, 2008, 40, 952-954.	21.4	97
28	Hypertensive strains and normotensive 'control' strains. How closely are they related?. Hypertension, 1992, 19, 419-424.	2.7	91
29	Transposonâ€mediated transgenesis, transgenic rescue, and tissueâ€specific gene expression in rodents and rabbits. FASEB Journal, 2013, 27, 930-941.	0.5	86
30	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.	8.2	86
31	The genome sequence of the spontaneously hypertensive rat: Analysis and functional significance. Genome Research, 2010, 20, 791-803.	5.5	84
32	Translational regulation shapes the molecular landscape of complex disease phenotypes. Nature Communications, 2015, 6, 7200.	12.8	79
33	Direct linkage of mitochondrial genome variation to risk factors for type 2 diabetes in conplastic strains. Genome Research, 2007, 17, 1319-1326.	5.5	78
34	Folate Deficiency Is Associated With Oxidative Stress, Increased Blood Pressure, and Insulin Resistance in Spontaneously Hypertensive Rats. American Journal of Hypertension, 2013, 26, 135-140.	2.0	76
35	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.	8.2	75
36	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.	8.2	74

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37	The rat renin gene: Assignment to chromosome 13 and linkage to the regulation of blood pressure. Genomics, 1991, 9, 466-472.	2.9	70
38	Germline transgenesis in pigs by cytoplasmic microinjection of Sleeping Beauty transposons. Nature Protocols, 2014, 9, 810-827.	12.0	67
39	Use of AFLP Markers for Gene Mapping and QTL Detection in the Rat. Genomics, 1996, 37, 289-294.	2.9	64
40	Germline transgenesis in rabbits by pronuclear microinjection of Sleeping Beauty transposons. Nature Protocols, 2014, 9, 794-809.	12.0	62
41	Effects of Human C-Reactive Protein on Pathogenesis of Features of the Metabolic Syndrome. Hypertension, 2011, 57, 731-737.	2.7	61
42	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.	2.7	57
43	Germline transgenesis in rodents by pronuclear microinjection of Sleeping Beauty transposons. Nature Protocols, 2014, 9, 773-793.	12.0	57
44	Workshop: Excess Growth and Apoptosis. Hypertension, 2001, 37, 760-766.	2.7	55
45	Pharmacogenetic Evidence That Cd36Is a Key Determinant of the Metabolic Effects of Pioglitazone. Journal of Biological Chemistry, 2002, 277, 48501-48507.	3.4	55
46	New Insights into the Genetic Control of Gene Expression using a Bayesian Multi-tissue Approach. PLoS Computational Biology, 2010, 6, e1000737.	3.2	55
47	Natural variation of histone modification and its impact on gene expression in the rat genome. Genome Research, 2014, 24, 942-953.	5.5	53
48	Nrf2-Mediated Antioxidant Defense and Peroxiredoxin 6 Are Linked to Biosynthesis of Palmitic Acid Ester of 9-Hydroxystearic Acid. Diabetes, 2018, 67, 1190-1199.	0.6	52
49	Gene Expression Profiling in Hypertension Research. Hypertension, 2003, 41, 3-8.	2.7	51
50	Genetic Isolation of a Chromosome 1 Region Affecting Susceptibility to Hypertension-Induced Renal Damage in the Spontaneously Hypertensive Rat. Hypertension, 1999, 34, 187-191.	2.7	47
51	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.	8.2	47
52	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, 3624-3640.	2.9	46
53	Genetic contamination of Dahl SS/Jr rats. Impact on studies of salt-sensitive hypertension.. Hypertension, 1994, 23, 786-790.	2.7	45
54	Wars2 is a determinant of angiogenesis. Nature Communications, 2016, 7, 12061.	12.8	45

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55	An Appraisal of Methods Recently Recommended for Testing Salt Sensitivity of Blood Pressure. Journal of the American Heart Association, 2017, 6, .	3.7	44
56	WWP2 regulates pathological cardiac fibrosis by modulating SMAD2 signaling. Nature Communications, 2019, 10, 3616.	12.8	44
57	Molecular Genetics of Experimental Hypertension and the Metabolic Syndrome. Hypertension, 2007, 49, 941-952.	2.7	42
58	Downregulation of <i>Plzf</i> Gene Ameliorates Metabolic and Cardiac Traits in the Spontaneously Hypertensive Rat. Hypertension, 2017, 69, 1084-1091.	2.7	41
59	Molecular-Based Mechanisms of Mendelian Forms of Salt-Dependent Hypertension. Hypertension, 2015, 65, 932-941.	2.7	40
60	A New Transgenic Rat Model of Hepatic Steatosis and the Metabolic Syndrome. Hypertension, 2005, 45, 1004-1011.	2.7	39
61	Y-Chromosome Transfer Induces Changes in Blood Pressure and Blood Lipids in SHR. Hypertension, 2001, 37, 1147-1152.	2.7	38
62	Genetic Analysis of Rat Chromosome 1 and the <i>Sa</i> Gene in Spontaneous Hypertension. Hypertension, 2000, 35, 225-230.	2.7	37
63	Recent Advances in Genetics of the Spontaneously Hypertensive Rat. Current Hypertension Reports, 2010, 12, 5-9.	3.5	37
64	Genetic Isolation of a Chromosome 1 Region Affecting Blood Pressure in the Spontaneously Hypertensive Rat. Hypertension, 1997, 30, 854-858.	2.7	36
65	Mapping of quantitative trait loci (QTL) of differential stress gene expression in rat recombinant inbred strains. Journal of Hypertension, 2000, 18, 545-551.	0.5	35
66	Newborn and adult recombinant inbred strains: A tool to search for genetic determinants of target organ damage in hypertension. Kidney International, 1998, 53, 1488-1492.	5.2	33
67	Genetic basis of transcriptome differences between the founder strains of the rat HXB/BXH recombinant inbred panel. Genome Biology, 2012, 13, r31.	9.6	32
68	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.	5.2	32
69	Contribution of Autosomal Loci and the Y Chromosome to the Stress Response in Rats. Hypertension, 2000, 35, 568-573.	2.7	31
70	Identification of Mutated Srebf1 as a QTL Influencing Risk for Hepatic Steatosis in the Spontaneously Hypertensive Rat. Hypertension, 2008, 51, 148-153.	2.7	31
71	Systems-level approaches reveal conservation of trans-regulated genes in the rat and genetic determinants of blood pressure in humans. Cardiovascular Research, 2013, 97, 653-665.	3.8	31
72	Telmisartan increases fatty acid oxidation in skeletal muscle through a peroxisome proliferator-activated receptor-Î³ dependent pathway. Journal of Hypertension, 2008, 26, 1209-1215.	0.5	30

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73	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.	2.0	30
74	A spontaneous mutation in the desmoglein 4 gene underlies hypotrichosis in a new lanceolate hair rat model. Differentiation, 2004, 72, 541-547.	1.9	29
75	histoneHMM: Differential analysis of histone modifications with broad genomic footprints. BMC Bioinformatics, 2015, 16, 60.	2.6	28
76	The American Heart Association Scientific Statement on salt sensitivity of blood pressure. Journal of Hypertension, 2017, 35, 2214-2225.	0.5	28
77	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.	0.5	27
78	Molecule-specific Effects of Angiotensin II-Receptor Blockers Independent of the Renin-Angiotensin System. American Journal of Hypertension, 2008, 21, 852-859.	2.0	26
79	Integrated genomic approaches to identification of candidate genes underlying metabolic and cardiovascular phenotypes in the spontaneously hypertensive rat. Physiological Genomics, 2011, 43, 1207-1218.	2.3	26
80	Mapping genetic determinants of coronary microvascular remodeling in the spontaneously hypertensive rat. Basic Research in Cardiology, 2013, 108, 316.	5.9	26
81	Effect of Chromosome 19 Transfer on Blood Pressure in the Spontaneously Hypertensive Rat. Hypertension, 1999, 33, 256-260.	2.7	25
82	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, 119-125.	3.1	25
83	Genetic regulation of catecholamine synthesis, storage and secretion in the spontaneously hypertensive rat. Human Molecular Genetics, 2010, 19, 2567-2580.	2.9	25
84	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, 487-494.	2.3	25
85	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.	2.0	25
86	Segment of Rat Chromosome 20 Regulates Diet-Induced Augmentations in Adiposity, Glucose Intolerance, and Blood Pressure. Hypertension, 2003, 41, 1047-1055.	2.7	23
87	Genetic relationship between placental and fetal weights and markers of the metabolic syndrome in rat recombinant inbred strains. Physiological Genomics, 2006, 26, 226-231.	2.3	23
88	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.	2.5	22
89	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.	0.5	21
90	Genome-Wide Co-Expression Analysis in Multiple Tissues. PLoS ONE, 2008, 3, e4033.	2.5	21

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91	Effects of Metformin on Tissue Oxidative and Dicarbonyl Stress in Transgenic Spontaneously Hypertensive Rats Expressing Human C-Reactive Protein. PLoS ONE, 2016, 11, e0150924.	2.5	21
92	Mutant Wars2 Gene in Spontaneously Hypertensive Rats Impairs Brown Adipose Tissue Function and Predisposes to Visceral Obesity. Physiological Research, 2017, 66, 917-924.	0.9	21
93	Integrated gene expression profiling and linkage analysis in the rat. Mammalian Genome, 2006, 17, 480-489.	2.2	20
94	Assignment of rat linkage group V to chromosome 19 by single-strand conformation polymorphism analysis of somatic cell hybrids. Genomics, 1992, 12, 350-356.	2.9	19
95	Genetic dissection of testicular weight in the mouse with the BXD recombinant inbred strains. Mammalian Genome, 1998, 9, 503-505.	2.2	19
96	Heart Rate and Blood Pressure Quantitative Trait Loci for the Airpuff Startle Reaction. Hypertension, 2002, 39, 348-352.	2.7	19
97	TA Repeat Variation,Npr1Expression, and Blood Pressure. Hypertension, 2003, 41, 16-24.	2.7	19
98	CD36 overexpression predisposes to arrhythmias but reduces infarct size in spontaneously hypertensive rats: gene expression profile analysis. Physiological Genomics, 2012, 44, 173-182.	2.3	19
99	Genetic Analysis of the Cardiac Methylome at Single Nucleotide Resolution in a Model of Human Cardiovascular Disease. PLoS Genetics, 2014, 10, e1004813.	3.5	19
100	Selective replacement of mitochondrial DNA increases the cardioprotective effect of chronic continuous hypoxia in spontaneously hypertensive rats. Clinical Science, 2017, 131, 865-881.	4.3	19
101	Effects of mtDNA in SHR-mt^{F344} versus SHR conplastic strains on reduced OXPHOS enzyme levels, insulin resistance, cardiac hypertrophy, and systolic dysfunction. Physiological Genomics, 2014, 46, 671-678.	2.3	18
102	Systems Genetics Approaches in Rat Identify Novel Genes and Gene Networks Associated With Cardiac Conduction. Journal of the American Heart Association, 2018, 7, e009243.	3.7	18
103	Mapping genes controlling hematocrit in the spontaneously hypertensive rat. Mammalian Genome, 1997, 8, 387-389.	2.2	17
104	Identification of a mutation in ADD1/SREBP-1 in the spontaneously hypertensive rat. Mammalian Genome, 2001, 12, 295-298.	2.2	17
105	Dissection of Chromosome 18 Blood Pressure and Salt-Sensitivity Quantitative Trait Loci in the Spontaneously Hypertensive Rat. Hypertension, 2009, 54, 639-645.	2.7	17
106	Testing Computer Models Predicting Human Responses to a High-Salt Diet. Hypertension, 2018, 72, 1407-1416.	2.7	17
107	Small Amounts of Inorganic Nitrate or Beetroot Provide Substantial Protection From Salt-Induced Increases in Blood Pressure. Hypertension, 2019, 73, 1042-1048.	2.7	17
108	Effect of Renin Gene Transfer on Blood Pressure in the Spontaneously Hypertensive Rat. Hypertension, 1998, 31, 373-377.	2.7	16

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109	Fat-specific transgenic expression of resistin in the spontaneously hypertensive rat impairs fatty acid re-esterification. International Journal of Obesity, 2006, 30, 1157-1159.	3.4	16
110	Genetics of Cd36 and the hypertension metabolic syndrome. Seminars in Nephrology, 2002, 22, 148-153.	1.6	16
111	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.	2.2	15
112	Genetic isolation of a blood pressure quantitative trait locus on chromosome 2 in the spontaneously hypertensive rat. Journal of Hypertension, 2001, 19, 1061-1064.	0.5	15
113	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, 51-56.	2.1	15
114	A new framework marker-based linkage map and SDPs for the Rat HXB/BXH strain set. Mammalian Genome, 2003, 14, 537-546.	2.2	15
115	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, 443-449.	3.7	15
116	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.	3.2	15
117	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, 573-583.	3.7	14
118	Genetic Variation in Renal Expression of <i>Folate Receptor 1</i> (<i>Folr1</i>) Gene Predisposes Spontaneously Hypertensive Rats to Metabolic Syndrome. Hypertension, 2016, 67, 335-341.	2.7	14
119	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.	2.7	14
120	Platelet aggregation in spontaneous hypertension. Journal of Hypertension, 1992, 10, 1453-1456.	0.5	13
121	Association of red blood cell sodium leak with blood pressure in recombinant inbred strains.. Hypertension, 1992, 20, 575-582.	2.7	13
122	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, 272-275.	2.1	13
123	Genetic analysis of complex cardiovascular traits in the spontaneously hypertensive rat. Experimental Physiology, 2005, 90, 273-276.	2.0	13
124	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.	2.4	13
125	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.	1.9	13
126	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.	2.5	13

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127	Genetic analysis of metabolic defects in the spontaneously hypertensive rat. Mammalian Genome, 2002, 13, 253-258.	2.2	12
128	Salt preference of congenic strains derived from the spontaneously hypertensive rat. Physiology and Behavior, 2004, 80, 617-622.	2.1	12
129	Uncovering the liverâ€™s role in immunity through RNA co-expression networks. Mammalian Genome, 2016, 27, 469-484.	2.2	12
130	Rat PRDM9 shapes recombination landscapes, duration of meiosis, gametogenesis, and age of fertility. BMC Biology, 2021, 19, 86.	3.8	12
131	Mapping of quantitative trait loci for seminal vesicle mass and litter size to rat chromosome 8. Reproduction, 1999, 116, 329-333.	2.6	11
132	Identification and chromosomal localization of ecogenetic components of electrolyte excretion. Journal of Hypertension, 2002, 20, 209-217.	0.5	11
133	Systems genetic analysis of brown adipose tissue function. Physiological Genomics, 2018, 50, 52-66.	2.3	11
134	Rodent Transgenesis Mediated by a Novel Hyperactive Sleeping Beauty Transposon System. Methods in Molecular Biology, 2011, 738, 87-99.	0.9	11
135	Insight into the genetics of hypertension, a core component of the metabolic syndrome. Current Opinion in Clinical Nutrition and Metabolic Care, 2008, 11, 393-397.	2.5	10
136	Rosuvastatin Can Block Proâ€Inflammatory Actions of Transgenic Human <scp>C</scp>â€Reactive Protein Without Reducing its Circulating Levels. Cardiovascular Therapeutics, 2014, 32, 59-65.	2.5	10
137	Use of Rat Genomics for Investigating the Metabolic Syndrome. Methods in Molecular Biology, 2010, 597, 415-426.	0.9	10
138	Hepatotoxic Effects of Fenofibrate in Spontaneously Hypertensive Rats Expressing Human C-Reactive Protein. Physiological Research, 2016, 65, 891-899.	0.9	10
139	Biochemical genetics of methylglyoxal dehydrogenases in the laboratory rat (Rattus norvegicus). Biochemical Genetics, 1994, 32, 147-154.	1.7	9
140	Succinimidyl oleate, established inhibitor of CD36/FAT translocase inhibits complex III of mitochondrial respiratory chain. Biochemical and Biophysical Research Communications, 2010, 391, 1348-1351.	2.1	9
141	Transgenic rescue of defective Cd36 enhances myocardial adenylyl cyclase signaling in spontaneously hypertensive rats. Pflugers Archiv European Journal of Physiology, 2013, 465, 1477-1486.	2.8	9
142	Tissue-Specific Peroxisome Proliferator Activated Receptor Gamma Expression and Metabolic Effects of Telmisartan. American Journal of Hypertension, 2013, 26, 829-835.	2.0	9
143	Alterations in the cardiac proteome of the spontaneously hypertensive rat induced by transgenic expression of CD36. Journal of Proteomics, 2016, 145, 177-186.	2.4	9
144	Mechanism-based strategies to prevent salt sensitivity and salt-induced hypertension. Clinical Science, 2022, 136, 599-620.	4.3	9

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145	GENES OF STRESS IN EXPERIMENTAL HYPERTENSION. Clinical and Experimental Pharmacology and Physiology, 1994, 21, 907-911.	1.9	8
146	Linkage Mapping of Alkaline Phosphatase 1, Inhibin Î± Subunit, and Î³-Crystallin 1 on Rat Chromosome 9 and Na+,K+-ATPase Î±2 Subunit, Renin, and Leukocyte Common Antigen on Rat Chromosome 13. Genomics, 1994, 19, 190-191.	2.9	8
147	Congenic strains for genetic analysis of hypertension and dyslipidemia in the spontaneously hypertensive rat. Transplantation Proceedings, 1999, 31, 1555-1556.	0.6	8
148	Sequencing and chromosomal localization of Fabp6 and an intronless Fabp6 segment in the rat. Molecular Biology Reports, 2003, 30, 173-176.	2.3	8
149	Hemodynamic Characterization of Recombinant Inbred Strains: Twenty Years Later. Hypertension Research, 2008, 31, 1659-1668.	2.7	8
150	Mitochondrial genome modulates myocardial Akt/Glut/HK salvage pathway in spontaneously hypertensive rats adapted to chronic hypoxia. Physiological Genomics, 2018, 50, 532-541.	2.3	8
151	Generation of Rat â€œSupersonicâ€• Congenic/Conplastic Strains Using Superovulation and Embryo Transfer. Methods in Molecular Biology, 2010, 597, 267-275.	0.9	8
152	Isolation of a Genomic Region Affecting Most Components of Metabolic Syndrome in a Chromosome-16 Congenic Rat Model. PLoS ONE, 2016, 11, e0152708.	2.5	8
153	Connexin 50 Mutation Lowers Blood Pressure in Spontaneously Hypertensive Rat. Physiological Research, 2017, 66, 15-28.	0.9	8
154	Long-term pioglitazone treatment enhances lipolysis in rat adipose tissue. International Journal of Obesity, 2008, 32, 1848-1853.	3.4	7
155	Role of FAT/CD36 in novel PKC isoform activation in heart of spontaneously hypertensive rats. Molecular and Cellular Biochemistry, 2011, 357, 163-169.	3.1	7
156	Splicing mutation in Sbf1 causes nonsyndromic male infertility in the rat. Reproduction, 2016, 152, 215-223.	2.6	7
157	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.	2.4	7
158	Cardioprotective Regimen of Adaptation to Chronic Hypoxia Diversely Alters Myocardial Gene Expression in SHR and SHR-mtBN Conplastic Rat Strains. Frontiers in Endocrinology, 2019, 9, 809.	3.5	7
159	Transgenic overexpression of glutathione S-transferase Î¼-type 1 reduces hypertension and oxidative stress in the stroke-prone spontaneously hypertensive rat. Journal of Hypertension, 2019, 37, 985-996.	0.5	7
160	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.	6.1	7
161	New genetic models for hypertension research. Trends in Cardiovascular Medicine, 1993, 3, 119-123.	4.9	6
162	USE OF RECOMBINANT INBRED STRAINS FOR EVALUATION OF INTERMEDIATE PHENOTYPES IN SPONTANEOUS HYPERTENSION. Clinical and Experimental Pharmacology and Physiology, 1994, 21, 903-906.	1.9	6

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163	Quantitative Trait Loci for Compensatory Renal Hypertrophy in the Mouse. Biochemical and Biophysical Research Communications, 1998, 248, 473-475.	2.1	6
164	Age-related autocrine diabetogenic effects of transgenic resistin in spontaneously hypertensive rats: gene expression profile analysis. Physiological Genomics, 2011, 43, 372-379.	2.3	6
165	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.	2.5	6
166	Strategies Are Needed to Prevent Salt-Induced Hypertension That Do Not Depend on Reducing Salt Intake. American Journal of Hypertension, 2020, 33, 116-118.	2.0	6
167	Hepatic Transcriptome Profiling Reveals Lack of Acsm3 Expression in Polydactylous Rats with High-Fat Diet-Induced Hypertriglyceridemia and Visceral Fat Accumulation. Nutrients, 2021, 13, 1462.	4.1	6
168	Von Willebrand Factor Gene Variants Associate with Herpes simplex Encephalitis. PLoS ONE, 2016, 11, e0155832.	2.5	6
169	Gender-Related Effects on Substrate Utilization and Metabolic Adaptation in Hairless Spontaneously Hypertensive Rat. Physiological Research, 2015, 64, 51-60.	0.9	6
170	Dissecting the Role of Folr1 and Folh1 Genes in the Pathogenesis of Metabolic Syndrome in Spontaneously Hypertensive Rats. Physiological Research, 2018, 67, 657-662.	0.9	6
171	Rat congenic and recombinant inbred strains: a genetic model for the study of quantitative trait loci. Transplantation Proceedings, 1999, 31, 1592-1593.	0.6	5
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