BP-98A/98AL References

1. *Tagami, K., et al., L-arginine ameliorates hypertension and cardiac mitochondrial abnormalities but not cardiac injury in male metabolic syndrome rats. Physiological Reports, 2025. 13(4): p. e70183.*
2. *Ono, I., et al., Potential of the pharmacological inhibition of CCL2-CCR2 axis via targeting FROUNT to prevent the initiation and the progression of intracranial aneurysms in rats. Journal of Neuropathology & Experimental Neurology, 2025. 84(2): p. 132-140.*
3. *Lei, C., et al., Inhibition of GPR4 Attenuates the Formation of Abdominal Aortic Aneurysm Through Inhibiting the SP-1/VEGF-A Signaling. J Biochem Mol Toxicol, 2025. 39(1): p. 70118.*
4. *Koizumi, T., et al., CCL2/CCR2 signaling-mediated microglial migration leads to cerebral small vessel dysfunction in chronic hypertension model rats. Exp Neurol, 2025. 23(115192): p. 115192.*
5. *Kitagawa, T., H. Tashiro, and T. Uto, Antihypertensive and Angiotensin I-Converting Enzyme-Inhibitory Effects of the Leaves of Sesamum indicum and Bioactive Compounds. Chem Pharm Bull, 2025. 72(12): p. 1105-1109.*
6. *Fang, T., et al., Roxadustat improves diabetic myocardial injury by upregulating HIF-1α/UCP2 against oxidative stress. Cardiovasc Diabetol, 2025. 24(1): p. 025-02601.*
7. *Cheng, L., et al., Effects of Cacna1d D307G Mutation on Blood Pressure and Kidney Function in Rats with Salt Loading. Kidney and Blood Pressure Research, 2025. 50(1): p. 46-60.*
8. *Zhao, Y., et al., Sodium-glucose exchanger 2 inhibitor canagliflozin promotes mitochondrial metabolism and alleviates salt-induced cardiac hypertrophy via preserving SIRT3 expression. J Adv Res, 2024. 2024(12): p. 00173-5.*
9. *Yoshimura, K., et al., Detection and identification of factors in the atrium responsible for blood pressure regulation in patients with hypertension. Heart and Vessels, 2024. 39(5): p. 464-474.*
10. *Yamanaka, K., et al., Involvement of D1 dopamine receptor in the nucleus of the solitary tract of rats in stress-induced hypertension and exercise. Journal of Hypertension, 2024. 42(10).*
11. *Xu, W., et al., FGF21 attenuates salt-sensitive hypertension via regulating HNF4α/ACE2 axis in the hypothalamic paraventricular nucleus of mice. Clin Exp Hypertens, 2024. 46(1): p. 6.*
12. *Xu, J., et al., Qian Yang Yu Yin Granule prevents hypertensive cardiac remodeling by inhibiting NLRP3 inflammasome activation via Nrf2. Journal of Ethnopharmacology, 2024. 337: p. 118820.*
13. *Xiong, S., et al., Dietary Cinnamaldehyde Activation of TRPA1 Antagonizes High-Salt-Induced Hypertension Through Restoring Renal Tubular Mitochondrial Dysfunction. American Journal of Hypertension, 2024. 37(9): p. 708-716.*
14. *Wang, X.-H., et al., High-Salt Diet Inhibits the Expression of Bmal1 and Promotes Atrial Fibrosis and Vulnerability to Atrial Fibrillation in Dahl Salt-Sensitive Rats. American Journal of Hypertension, 2024. 37(9): p. 726-733.*
15. *Sun, Y., et al., RNA Sequencing Screens the Key Genes and Pathways in a Mouse Model of HFpEF. Journal of vascular research, 2024. 61(4): p. 166-178.*
16. *Sugita, S., et al., Stress fiber strain is zero in normal aortic smooth muscle, elevated in hypertensive stretch, and minimal in wall thickening rats. Scientific Reports, 2024. 14(1): p. 29731.*
17. *Shao, H., et al., Circular RNA circ_0022707 impedes the progression of preeclampsia via the miR-3135b/GHR/PI3K/Akt axis. Funct Integr Genomics, 2024. 24(6): p. 024-01490.*
18. *Sekiguchi, K., et al., Rho-associated, coiled-coil-containing protein kinase 2 regulates expression of mineralocorticoid receptor to mediate sodium reabsorption in mice. Biochemical and biophysical research communications, 2024. 736: p. 150874.*
19. *Miyata, K., et al., Unveiling the association between fluoroquinolones and aortic diseases using real-world database analysis and pharmacological experiments. Biomedicine & Pharmacotherapy, 2024. 179: p. 117418.*
20. *Misawa, T., et al., Elevated level of urinary tellurium is a potential risk for increase of blood pressure in humans and mice. Environ Int, 2024. 188(108735): p. 12.*
21. *Masuda, T., et al., Water and sodium conservation response induced by SGLT2 inhibitor ipragliflozin in Dahl salt-sensitive hypertensive rats. Hypertension Research, 2024. 47(11): p. 3173-3181.*
22. *Mao, J., et al., Irisin mitigates salt-sensitive hypertension via regulating renal AMPK-Rac1 pathway. Clinical and Experimental Hypertension, 2024. 46(1): p. 2402258.*
23. *Ma, Q., et al., PTPN14 aggravates neointimal hyperplasia via boosting PDGFRβ signaling in smooth muscle cells.*

Nature Communications, 2024. 15(1): p. 7398.

24. *Lu, F.-t., et al., Vascular smooth muscle-specific LRRC8A knockout ameliorates angiotensin II-induced cerebrovascular remodeling by inhibiting the WNK1/FOXO3a/MMP signaling pathway. Acta Pharmacologica Sinica, 2024. 45(9): p. 1848-1860.*
25. *Li, Y., et al., Butyrate attenuates cold-induced hypertension via gut microbiota and activation of brown adipose tissue. Science of The Total Environment, 2024. 943: p. 173835.*
26. *Li, Y., et al., High-intensity interval training and moderate-intensity continuous training alleviate vascular dysfunction in spontaneously hypertensive rats through the inhibition of pyroptosis. Heliyon, 2024. 10(21): p. e39505.*
27. *Li, X., et al., Paeonol can improve hypoxic-induced H9c2 cells injury and ion channel activity by up-regulating the expression of CKIP-1. Tissue and Cell, 2024. 88: p. 102371.*
28. *Lai, Y.-J., et al., Empagliflozin Attenuates Pulmonary Arterial Remodeling Through Peroxisome Proliferator-Activated Receptor Gamma Activation. ACS Pharmacology & Translational Science, 2024. 7(9): p. 2725-2738.*
29. *Kawakami, K., et al., Treatment of spontaneously hypertensive rats during pregnancy and lactation with the antioxidant tempol lowers blood pressure and reduces oxidative stress. Experimental Animals, 2024. 73(2): p. 136-144.*
30. *Jiang, P., et al., Targeting JUNB to modulate M2 macrophage polarization in preeclampsia. Biochim Biophys Acta Mol Basis Dis, 2024. 2024(6): p. 23.*
31. *Ji, Y. and Z. Ning, Paeoniflorin Inhibits Atrial Fibrosis and Atrial Fibrillation in Angiotensin II-Infused Mice Through the PI3K-Akt Pathway. Dose Response, 2024. 22(4): p. Oct-Dec.*
32. *Huang, Y., et al., PPAR beta/gamma mediates the antihypertensive activity of a synbiotic preparation of Bifidobacterium lactis and Lactobacillus acidophilus in spontaneous hypertensive rats. Heliyon, 2024. 10(16).*
33. *Dou, P., et al., Antihypertensive effects of whey protein hydrolysate involve reshaping the gut microbiome in spontaneously hypertension rats. Food Science and Human Wellness, 2024. 13(4): p. 1974-1986.*
34. *Dong, J., et al., Therapeutic effect of E-Lip-siRNA-sFlt1 on pre-eclampsia: targeted gene silencing and improved pregnancy outcomes. Nanomedicine, 2024. 19(18-20): p. 1615-1627.*
35. *Yu, Y., et al., Maximakinin reduced intracellular Ca2+ level in vascular smooth muscle cells through AMPK/ERK1/2 signaling pathways. Hypertension Research, 2023. 46(8): p. 1949-1960.*
36. *Xu, C., et al., Anthocyanin attenuates high salt-induced hypertension via inhibiting the hyperactivity of the sympathetic nervous system. Clinical and Experimental Hypertension, 2023. 45(1): p. 2233717.*
37. *Xu, C., et al., CD147 monoclonal antibody attenuates abdominal aortic aneurysm formation in angiotensin II-Infused apoE-/- mice. International immunopharmacology, 2023. 122: p. 110526.*
38. *Wang, T., et al., Proteomics analysis in myocardium of spontaneously hypertensive rats. Scientific Reports, 2023. 13(1): p. 276.*
39. *Uchikawa, H., et al., Pretreatment with Clodronate Improved Neurological Function by Preventing Reduction of Posthemorrhagic Cerebral Blood Flow in Experimental Subarachnoid Hemorrhage. Neurocritical Care, 2023. 39(1): p. 207-217.*
40. *Saito, T., et al., Fibroblast Growth Factor 23 Exacerbates Cardiac Fibrosis in Deoxycorticosterone Acetate-Salt Mice With Hypertension. Lab Invest, 2023. 103(1): p. 100003.*
41. *Park, J., et al., Effects of Diabetes and Voluntary Exercise on IgA Concentration and Polymeric Immunoglobulin Receptor Expression in the Submandibular Gland of Rats. Medicina, 2023. 59(4).*
42. *Nakamura, K., et al., Antihypertensive and Vasorelaxant Effects of Citric Acid and Lemon Juice in Spontaneously Hypertensive Rats: In Vivo and Ex Vivo Studies. Nutrients, 2023. 15(17).*
43. *Matsumoto, T., et al., Endothelial Dysfunction in Superior Mesenteric Arteries Isolated from Adenine-Induced Renal Failure in Model Rats. Biological and Pharmaceutical Bulletin, 2023. 46(8): p. 1156-1160.*
44. *Ma, H., et al., Angiotensin-(1–9) attenuates adriamycin-induced cardiomyopathy in rats via the angiotensin type 2 receptor. Molecular and Cellular Biochemistry, 2023. 479(1): p. 73-83.*
45. *Liu, H., et al., Follistatin-like 1 protects endothelial function in the spontaneously hypertensive rat by inhibition of endoplasmic reticulum stress through AMPK-dependent mechanism. Clinical and Experimental Hypertension, 2023. 45(1): p. 2277654.*

46. *Liu, 聽., et al., Progesterone Enhances the Invasion of Trophoblast Cells by Activating PI3K/AKT Signaling Pathway to Prevent Preeclampsia. Cell Transplantation, 2023. 32: p. 09636897221145682.*
47. *Li, Y., et al., miR-339-3p promotes AT1-AA-induced vascular inflammation by upregulating NFATc3 protein expression in vascular smooth muscle cells. Acta Biochim Biophys Sin, 2023. 55(2): p. 295-303.*
48. *Li, L., et al., The potential role of CpG oligodeoxynucleotides on diabetic cardiac autonomic neuropathy mediated by P2Y12 receptor in rat stellate ganglia. International immunopharmacology, 2023. 119: p. 110044.*
49. *Karasaki, K., et al., Angiotensin II Type 1 Receptor Blocker Prevents Abdominal Aortic Aneurysm Progression in Osteoprotegerin-Deficient Mice via Upregulation of Angiotensin (1–7). Journal of the American Heart Association, 2023. 12(3): p. e027589.*
50. *Huang, Q., et al., Beneficial effects of Panax notoginseng (Burkill) F. H. Chen flower saponins in rats with metabolic hypertension by inhibiting the activation of the renin-angiotensin-aldosterone system through complement 3. BMC Complement Med Ther, 2023. 23(1): p. 022-03828.*
51. *Hara, T., et al., Olive mill wastewater and hydroxytyrosol inhibits atherogenesis in apolipoprotein E-deficient mice. Heart and Vessels, 2023. 38(11): p. 1386-1394.*
52. *Fan, R., et al., Severe hypertriglyceridemia caused by Gpihbp1 deficiency facilitates vascular remodeling through increasing endothelial activation and oxidative stress. Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids, 2023. 1868(7): p. 159330.*
53. *Deng, J., et al., Ghrelin improves endothelial function and reduces blood pressure in Ang II-induced hypertensive mice: Role of AMPK. Clinical and Experimental Hypertension, 2023. 45(1): p. 2208774.*
54. *Cheng, C., et al., NPRC deletion mitigated atherosclerosis by inhibiting oxidative stress, inflammation and apoptosis in ApoE knockout mice. Signal Transduction and Targeted Therapy, 2023. 8(1): p. 290.*
55. *Chen, H.-L., et al., High-Salt Diet Aggravates Endothelial-to-Mesenchymal Transition in Glomerular Fibrosis in Dahl Salt-Sensitive Rats. American Journal of Hypertension, 2023.*
56. *Yamaguchi, S., et al., Antihypertensive Mechanism of Orally Administered Acetylcholine in Spontaneously Hypertensive Rats. Nutrients, 2022. 14(4).*
57. *Xu, M. and T. Yu, MiR-20b-5p contributes to the dysfunction of vascular smooth muscle cells by targeting MAGI3 in hypertension. J Mol Histol, 2022. 53(2): p. 187-197.*
58. *Wu, T.C., et al., Tolvaptan reduces angiotensin II-induced experimental abdominal aortic aneurysm and dissection. Vascul Pharmacol, 2022. 144(106973): p. 26.*
59. *Wang, H., et al., Dominant role of CACNA1D exon mutations for blood pressure regulation. Journal of Hypertension, 2022. 40(4).*
60. *Wada, Y., et al., Compromised Blood Flow in the Optic Nerve Head after Systemic Administration of Aldosterone in Rats: A Possible Rat Model of Retinal Ganglion Cell Loss. Curr Eye Res, 2022. 47(5): p. 777-785.*
61. *Uchida, H.A., et al., Edaravone Attenuated Angiotensin II-Induced Atherosclerosis and Abdominal Aortic Aneurysms in Apolipoprotein E-Deficient Mice. Biomolecules, 2022. 12(8).*
62. *Toba, H., et al., Secreted protein acidic and rich in cysteine (SPARC) and a disintegrin and metalloproteinase with thrombospondin type 1 motif (ADAMTS1) increments by the renin-angiotensin system induce renal fibrosis in deoxycorticosterone acetate-salt hypertensive rats. European Journal of Pharmacology, 2022. 914: p. 174681.*
63. *Tanaka, Y., et al., URAT1-selective inhibition ameliorates insulin resistance by attenuating diet-induced hepatic steatosis and brown adipose tissue whitening in mice. Molecular Metabolism, 2022. 55: p. 101411.*
64. *Tanaka, H., et al., Interleukin-6 blockade reduces salt-induced cardiac inflammation and fibrosis in subtotal nephrectomized mice. American Journal of Physiology-Renal Physiology, 2022. 323(6): p. F654-F665.*
65. *Sunagawa, Y., et al., The polyunsaturated fatty acids, EPA and DHA, ameliorate myocardial infarction-induced heart failure by inhibiting p300-HAT activity in rats. The Journal of nutritional biochemistry, 2022. 106: p. 109031.*
66. *Sato, I., et al., Suppression of nitric oxide synthase aggravates non-alcoholic steatohepatitis and atherosclerosis in SHRSP5/Dmcr rat via acceleration of abnormal lipid metabolism. Pharmacological Reports, 2022. 74(4): p. 669-683.*
67. *Qiu, Z.-Y., et al., Blocking VCAM-1 ameliorates hypertensive cardiac remodeling by impeding macrophage infiltration. Frontiers in Pharmacology, 2022. 13.*
68. *Nagai, N., et al., Oral Formulation Based on Irbesartan Nanocrystals Improve Drug Solubility, Absorbability, and*

Efficacy. Pharmaceutics, 2022. 14(2).

69. *Munkhjargal, U., et al., A Selective Mineralocorticoid Receptor Blocker, Esaxerenone, Attenuates Vascular Dysfunction in Diabetic C57BL/6 Mice. J Atheroscler Thromb, 2022. 30(4): p. 326-334.*
70. *Meng, L., et al., Statin therapy protects against abdominal aortic aneurysms by inducing the accumulation of regulatory T cells in ApoE−/− mice. Journal of Molecular Medicine, 2022. 100(7): p. 1057-1070.*
71. *Masuda, T., et al., SGLT2 inhibitor and loop diuretic induce different vasopressin and fluid homeostatic responses in nondiabetic rats. Am J Physiol Renal Physiol, 2022. 323(3): p. F361-F369.*
72. *Luo, H., et al., Down-regulation of AMPK/PPARδ signalling promotes endoplasmic reticulum stress-induced endothelial dysfunction in adult rat offspring exposed to maternal diabetes. Cardiovasc Res, 2022. 118(10): p. 2304-2316.*
73. *Lu, J., et al., Chronic exercise improves renal AT1 and ETB receptor functions via modulating GRK4 expression in obese Zucker rats. Clinical and Experimental Hypertension, 2022. 46(1): p. 2323532.*
74. *Liu, T., et al., Cardioprotection effect of Yiqi–Huoxue–Jiangzhuo formula in a chronic kidney disease mouse model associated with gut microbiota modulation and NLRP3 inflammasome inhibition. Biomedicine & Pharmacotherapy, 2022. 152: p. 113159.*
75. *Liu, N., et al., EP3 Receptor Deficiency Improves Vascular Remodeling and Cognitive Impairment in Cerebral Small Vessel Disease. Aging Dis, 2022. 13(1): p. 313-328.*
76. *Liu, L., et al., Activin receptor-like kinase 7 silencing alleviates cardiomyocyte apoptosis, cardiac fibrosis, and dysfunction in diabetic rats. Exp Biol Med, 2022. 247(16): p. 1397-1409.*
77. *Lin, S., et al., Oridonin Relieves Angiotensin II-Induced Cardiac Remodeling via Inhibiting GSDMD-Mediated Inflammation. Cardiovascular Therapeutics, 2022. 2022(1): p. 3167959.*
78. *Lin, C.W., et al., Chronic intermittent hypoxia worsens brain damage and sensorimotor behavioral abnormalities after ischemic stroke: Effect on autonomic nervous activity and sleep patterns. Brain Res, 2022. 2023(1): p. 9.*
79. *Li, T., et al., Ulinastatin Improves Renal Microcirculation by Protecting Endothelial Cells and Inhibiting Autophagy in a Septic Rat Model. Kidney and Blood Pressure Research, 2022. 47(4): p. 256-269.*
80. *Kotake, H., et al., Endurance Exercise Training-Attenuated Diabetic Kidney Disease with Muscle Weakness in Spontaneously Diabetic Torii Fatty Rats. Kidney and Blood Pressure Research, 2022. 47(3): p. 203-218.*
81. *Königshausen, E., et al., Angiotensin II increases glomerular permeability by β-arrestin mediated nephrin endocytosis. Sci Rep, 2022. 6(39513).*
82. *Kataoka, T., et al., Effect of High Testosterone Levels on Endothelial Function in Aorta and Erectile Function in Rats. Sex Med, 2022. 10(5): p. 5.*
83. *Fujita, H., et al., Dual inhibition of SGLT2 and DPP-4 promotes natriuresis and improves glomerular hemodynamic abnormalities in KK/Ta-Ins2Akita mice with progressive diabetic kidney disease. Biochemical and biophysical research communications, 2022. 635: p. 84-91.*
84. *Ding, R., et al., Calcitriol ameliorates damage in high-salt diet-induced hypertension: Evidence of communication with the gut-kidney axis. Exp Biol Med, 2022. 247(8): p. 624-640.*
85. *Zuo, Q., et al., Aspirin reduces sFlt-1-mediated apoptosis of trophoblast cells in preeclampsia. Mol Hum Reprod, 2021. 27(1).*
86. *Zhou, P., et al., Maternal High-Fat Diet Programs Renal Peroxisomes and Activates NLRP3 Inflammasome-Mediated Pyroptosis in the Rat Fetus. J Inflamm Res, 2021. 14: p. 5095-5110.*
87. *Zheng, H., et al., TMEM16A inhibits angiotensin II-induced basilar artery smooth muscle cell migration in a WNK1-dependent manner. Acta Pharm Sin B, 2021. 11(12): p. 3994-4007.*
88. *Zhang, L.S., et al., Intermedin(1-53) Inhibits NLRP3 Inflammasome Activation by Targeting IRE1α in Cardiac Fibrosis. Inflammation, 2021. 45(4): p. 1568-1584.*
89. *Yan, Y., et al., ANKRD36 Is Involved in Hypertension by Altering Expression of ENaC Genes. Circ Res, 2021. 129(11): p. 1067-1081.*
90. *Yamaguchi, S., et al., Differential Antihypertensive Effects of Oral Doses of Acetylcholine between Spontaneously Hypertensive Rats and Normotensive Rats. Foods, 2021. 10(9).*
91. *Xu, D., et al., Xanthine oxidase inhibitor febuxostat reduces atrial fibrillation susceptibility by inhibition of oxidized*

CaMKII in Dahl salt-sensitive rats. Clin Sci, 2021. 135(20): p. 2409-2422.

92. *Takiguchi, T., et al., Angiotensin II promotes primary tumor growth and metastasis formation of murine TNBC 4T1 cells through the fibroblasts around cancer cells. Eur J Pharmacol, 2021. 909(174415): p. 8.*
93. *Sunagawa, Y., et al., Curcumin, an Inhibitor of p300-HAT Activity, Suppresses the Development of Hypertension-Induced Left Ventricular Hypertrophy with Preserved Ejection Fraction in Dahl Rats. Nutrients, 2021. 13(8).*
94. *Sugai, K., et al., Daily inhalation of hydrogen gas has a blood pressure-lowering effect in a rat model of hypertension. Sci Rep, 2021. 10(1): p. 020-77349.*
95. *Shinohara, A., A. Ushiyama, and T. Iijima, Time-Dependent Dynamics Required for the Degradation and Restoration of the Vascular Endothelial Glycocalyx Layer in Lipopolysaccharide-Treated Septic Mice. Front Cardiovasc Med, 2021. 8(730298): p. 2021.*
96. *Shimizu, S., et al., Aging-related severe hypertension induces detrusor underactivity in rats. Life Sci, 2021. 283(119855): p. 24.*
97. *Saito, A., et al., Activation of Invariant Natural Killer T Cells by α-Galactosylceramide Attenuates the Development of Angiotensin II-Mediated Abdominal Aortic Aneurysm in Obese ob/ob Mice. Front Cardiovasc Med, 2021. 8(659418): p. 2021.*
98. *Rahman, A., et al., Cardioprotective Effects of a Nonsteroidal Mineralocorticoid Receptor Blocker, Esaxerenone, in Dahl Salt-Sensitive Hypertensive Rats. Int J Mol Sci, 2021. 22(4).*
99. *Oishi, H., et al., Klotho overexpression protects against renal aging along with suppression of transforming growth factor-β1 signaling pathways. Am J Physiol Renal Physiol, 2021. 321(6): p. F799-F811.*
100. *Niu, Y., et al., Norswertianolin Promotes Cystathionine γ-Lyase Activity and Attenuates Renal Ischemia/Reperfusion Injury and Hypertension. Front Pharmacol, 2021. 12(677212): p. 2021.*
101. *Nishimura, K., et al., Dual disruption of eNOS and ApoE gene accelerates kidney fibrosis and senescence after injury. Biochem Biophys Res Commun, 2021. 556: p. 142-148.*
102. *Nessa, N., et al., Febuxostat Attenuates the Progression of Periodontitis in Rats. Pharmacology, 2021. 106(5-6): p. 294-304.*
103. *Murakami, M., et al., Attenuated β-adrenergic response in calcium/calmodulin-dependent protein kinase IV-knockout mice. PLoS ONE, 2021. 16(4): p. 2021.*
104. *Mori, T., et al., Enhancement of the RhoA/Rho kinase pathway is associated with stress-related erectile dysfunction in a restraint water immersion stress model. Physiol Rep, 2021. 9(20): p. 15064.*
105. *Mizumoto, T., et al., A serine protease inhibitor camostat mesilate prevents podocyte apoptosis and attenuates podocyte injury in metabolic syndrome model rats. J Pharmacol Sci, 2021. 146(4): p. 192-199.*
106. *Mei, W., et al., GDF11 protects against glucotoxicity-induced mice retinal microvascular endothelial cell dysfunction and diabetic retinopathy disease. Mol Cell Endocrinol, 2021. 537(111422): p. 12.*
107. *Matsumoto, T., et al., Extracellular Uridine Nucleotides-Induced Contractions Were Increased in Femoral Arteries of Spontaneously Hypertensive Rats. Pharmacology, 2021. 106(7-8): p. 435-445.*
108. *Masodsai, K., et al., Aging Additively Influences Insulin- and Insulin-Like Growth Factor-1-Mediated Endothelial Dysfunction and Antioxidant Deficiency in Spontaneously Hypertensive Rats. Biomedicines, 2021. 9(6).*
109. *Lin, H.L., et al., The effectiveness comparisons of eugenosedin-A, glibenclamide and pioglitazone on diabetes mellitus induced by STZ/NA and high-fat diet in SHR. J Pharm Pharmacol, 2021. 73(6): p. 835-845.*
110. *Li, N., et al., The P2Y12 Receptor Antagonist Ticagrelor Ameliorates Pulmonary Hypertension. 2021.*
111. *Kawata, R., et al., Effects of High Salt Intake on Detrusor Muscle Contraction in Dahl Salt-Sensitive Rats. Nutrients, 2021. 13(2).*
112. *Kawakami, K., et al., Antihypertensive effect of lemon juice squeezed residue on spontaneously hypertensive rats. Food Science and Technology Research, 2021. 27(3): p. 521-527.*
113. *Kataoka, T., et al., Oxaliplatin, an Anticancer Agent, Causes Erectile Dysfunction in Rats due to Endothelial Dysfunction. J Sex Med, 2021. 18(8): p. 1337-1345.*
114. *Ishikawa, T., et al., Importance of Hydrostatic Pressure and Irrigation for Hemostasis in Neuroendoscopic Surgery. Neurol Med Chir, 2021. 61(2): p. 117-123.*

115. *Ishida, Y., et al., Diltiazem Inhibits Coronary Spasm via Inhibition of Cav1.2Phosphorylation and Protein Kinase C Activation in a Mouse Model of Coronary Spastic Angina. Int Heart J, 2021. 62(4): p. 910-918.*
116. *Hsu, J.C., et al., Chronic stimulation of group II metabotropic glutamate receptors in the medulla oblongata attenuates hypertension development in spontaneously hypertensive rats. PLoS ONE, 2021. 16(5): p. 2021.*
117. *Hsu, J.C., et al., Loss of Group II Metabotropic Glutamate Receptor Signaling Exacerbates Hypertension in Spontaneously Hypertensive Rats. Life, 2021. 11(7).*
118. *Hsieh, M.H., et al., Cerebral Cortex Apoptosis in Early Aged Hypertension: Effects of Epigallocatechin-3-Gallate. Front Aging Neurosci, 2021. 13(705304): p. 2021.*
119. *Hirata, Y., et al., Advanced maternal age induces fetal growth restriction through decreased placental inflammatory cytokine expression and immune cell accumulation in mice. J Reprod Dev, 2021. 67(4): p. 257-264.*
120. *He, C., et al., Deletion of BK channels decreased skeletal and cardiac muscle function but increased smooth muscle contraction in rats. Biochem Biophys Res Commun, 2021. 570: p. 8-14.*
121. *Hashimoto, T., et al., Acetic acid treatment causes renal inflammation and chronic kidney disease in mice. J Pharmacol Sci, 2021. 146(3): p. 160-168.*
122. *Harada, E., et al., Effects of the L/N-Type Ca(2+) Channel Blocker Cilnidipine on the Cardiac Histological Remodelling and Inducibility of Atrial Fibrillation in High-Salt-Fed Rats. Biol Pharm Bull, 2021. 44(5): p. 707-713.*
123. *Guo, Y., Z. Liu, and M. Wang, NFKB1-mediated downregulation of microRNA-106a promotes oxidative stress injury and insulin resistance in mice with gestational hypertension. Cytotechnology, 2021. 73(1): p. 115-126.*
124. *Fushimi, T., et al., Method for detecting hemodynamic alterations following a single gavage in rats. Exp Anim, 2021. 70(3): p. 372-377.*
125. *Fujita, Y., et al., Angiotensin II type 1a receptor loss ameliorates chronic tubulointerstitial damage after renal ischemia reperfusion. Sci Rep, 2021. 11(1): p. 020-80209.*
126. *Fujimori, S. and K. Sunada, Effects of vasopressin on anesthetic response time and circulatory dynamics of lidocaine. Odontology, 2021. 109(3): p. 632-638.*
127. *Deng, Y., et al., Mdivi-1, a mitochondrial fission inhibitor, reduces angiotensin-II- induced hypertension by mediating VSMC phenotypic switch. Biomed Pharmacother, 2021. 140(111689): p. 15.*
128. *Deng, H.-Y., et al., MicroRNA-451a attenuates angiotensin II–induced cardiac fibrosis and inflammation by directly targeting T-box1. Journal of Physiology and Biochemistry, 2021. 78(1): p. 257-269.*
129. *Chen, P., et al., CSF-CN contributes to cancer-induced bone pain via the MKP-1-mediated MAPK pathway. Biochem Biophys Res Commun, 2021. 547: p. 36-43.*
130. *Chang, T.T., L.Y. Liao, and J.W. Chen, Inhibition on CXCL5 reduces aortic matrix metalloproteinase 9 expression and protects against acute aortic dissection. Vascul Pharmacol, 2021. 141(106926): p. 12.*
131. *Cai, B. and J. Du, Role of bone morphogenic protein-4 in gestational diabetes mellitus-related hypertension. Exp Ther Med, 2021. 22(1): p. 13.*
132. *Zhou, X., et al., Huoxue Qianyang decoction ameliorates cardiac remodeling in obese spontaneously hypertensive rats in association with ATF6-CHOP endoplasmic reticulum stress signaling pathway regulation. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 2020. 121: p. 109518-109518.*
133. *Wu, J., et al., Antihypertensive constituents in Sanoshashinto. Journal of natural medicines, 2020: p. 10.1007/s11418-019-01382-9.*
134. *Wu, H., et al., A bivalent antihypertensive vaccine targeting L-type calcium channels and angiotensin AT(1) receptors. British Journal of Pharmacology, 2020. 177(2): p. 402-419.*
135. *Wang, S., et al., Ablation of Immunoproteasome β5i Subunit Suppresses Hypertensive Retinopathy by Blocking ATRAP Degradation in Mice. Molecular therapy : the journal of the American Society of Gene Therapy, 2020. 28(1): p. 279-292.*
136. *Unno, N., et al., K-134, a phosphodiesterase 3 inhibitor, reduces vascular inflammation and hypoxia, and prevents rupture of experimental abdominal aortic aneurysms. JVS Vasc Sci, 2020. 1: p. 219-232.*
137. *Uchida, L., et al., Effects of a prolyl hydroxylase inhibitor on kidney and cardiovascular complications in a rat model of chronic kidney disease. American journal of physiology. Renal physiology, 2020. 318(2): p. F388-F401.*
138. *Rahman, A., et al., The angiotensin II receptor-neprilysin inhibitor LCZ696 attenuates the progression of proteinuria in*

type 2 diabetic rats. Journal of Pharmacological Sciences, 2020. 142(3): p. 124-126.

139. *Nagao, Y., et al., Effects of silodosin and tadalafil on bladder dysfunction in spontaneously hypertensive rats: Possible role of bladder blood flow. International journal of urology : official journal of the Japanese Urological Association, 2020: p. 10.1111/iju.14171.*
140. *Morisawa, N., et al., Renal sympathetic nerve activity regulates cardiovascular energy expenditure in rats fed high salt. Hypertension research : official journal of the Japanese Society of Hypertension, 2020: p. 10.1038/s41440-019-0389-1.*
141. *Komatsu, Y., et al., The prebiotic fiber inulin ameliorates cardiac, adipose tissue, and hepatic pathology, but exacerbates hypertriglyceridemia in rats with metabolic syndrome. Am J Physiol Heart Circ Physiol, 2020. 320(1): p. H281-H295.*
142. *Iwata, Y., et al., Production of TRPV2-targeting functional antibody ameliorating dilated cardiomyopathy and muscular dystrophy in animal models. Laboratory investigation; a journal of technical methods and pathology, 2020. 100(2): p. 324-337.*
143. *Ishizu, T., et al., Left Ventricular Longitudinal Strain as a Marker for Point of No Return in Hypertensive Heart Failure Treatment. Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography, 2020. 33(2): p. 226-233.e1.*
144. *Hou, Y., et al., NLRP3 inflammasome negatively regulates podocyte autophagy in diabetic nephropathy. Biochemical and biophysical research communications, 2020. 521(3): p. 791-798.*
145. *Han, N., et al., Down-regulation of microRNA-873 attenuates insulin resistance and myocardial injury in rats with gestational diabetes mellitus by up-regulating IGFBP2. American journal of physiology. Endocrinology and metabolism, 2020: p. 10.1152/ajpendo.00555.2018.*
146. *Chen, Y., et al., Curcumin supplementation improves heat-stress-induced cardiac injury of mice: physiological and molecular mechanisms. The Journal of nutritional biochemistry, 2020. 78: p. 108331-108331.*
147. *Zou, Y., et al., Resveratrol promotes trophoblast invasion in pre-eclampsia by inducing epithelial-mesenchymal transition. J Cell Mol Med, 2019. 23(4): p. 2702-2710.*
148. *Zou, S., et al., Hydrogen sulfide-induced relaxation of the bladder is attenuated in spontaneously hypertensive rats. International urology and nephrology, 2019. 51(9): p. 1507-1515.*
149. *Zhao, X.-J., et al., Polygonum cuspidatum extract attenuates fructose-induced liver lipid accumulation through inhibiting Keap1 and activating Nrf2 antioxidant pathway. Phytomedicine : international journal of phytotherapy and phytopharmacology, 2019. 63: p. 152986-152986.*
150. *Zhang, Z., et al., Effects of tetrahydrobiopterin combined with nebivolol on cardiac diastolic function in SHRs. Biol Pharm Bull, 2019. 2019(14): p. b18-00691.*
151. *Zhang, R., et al., Preventive Effect of Oral Administration of Pantoea agglomerans-derived LPS in a Hypertensive Rat Model Upon Salt Loading. Anticancer research, 2019. 39(8): p. 4503-4509.*
152. *Zhang, K., et al., The Effect of BML-111 in Preeclampsia Rat Model Induced by the Low Dose of Cadmium Chloride. AJP reports, 2019. 9(3): p. e201-e208.*
153. *Yuan, T.Y., et al., A novel hypertensive crisis rat model established by excessive norepinephrine infusion and the potential therapeutic effects of Rho-kinase inhibitors on it. Biomed Pharmacother, 2019. 109: p. 1867-1875.*
154. *Yu, S., et al., (Pro)renin Receptor RNAi Silencing Attenuates Diabetic Cardiomyopathy Pathological Process in Rats, in Hum Gene Ther. 2019. p. 155.*
155. *Ye, M., et al., Developmental and functional characteristics of the thoracic aorta perivascular adipocyte. Cell Mol Life Sci, 2019. 76(4): p. 777-789.*
156. *Yamazaki, D., et al., Failure to confirm a sodium-glucose cotransporter 2 inhibitor-induced hematopoietic effect in non-diabetic rats with renal anemia. Journal of diabetes investigation, 2019: p. 10.1111/jdi.13205.*
157. *Yamada, Y., et al., Impact of chronic kidney dysfunction on serum Sulfatides and its metabolic pathway in mice. Glycoconj J, 2019. 36(1): p. 1-11.*
158. *Xue, F., et al., Angiotensin-(1-7) Mitigated Angiotensin II-induced Abdominal Aortic Aneurysms in Apolipoprotein E Knockout Mice. British Journal of Pharmacology, 2019: p. 10.1111/bph.14906.*
159. *Xu, X., et al., Deficiency of NONO is associated with impaired cardiac function and fibrosis in mice. Journal of*

molecular and cellular cardiology, 2019. 137: p. 46-58.

160. *Watanabe, S., et al., Urinary Level of Liver-Type Fatty Acid Binding Protein Reflects the Degree of Tubulointerstitial Damage in Polycystic Kidney Disease. Kidney Blood Press Res, 2019. 43(6): p. 1716-1729.*
161. *Wang, F., et al., Effect of Metformin on a Preeclampsia-Like Mouse Model Induced by High-Fat Diet. BioMed research international, 2019. 2019: p. 6547019-6547019.*
162. *Wada, Y., et al., Effects of ripasudil, a rho kinase inhibitor, on blood flow in the optic nerve head of normal rats. Graefes Arch Clin Exp Ophthalmol, 2019. 257(2): p. 303-311.*
163. *Ullrich, M., et al., SPRED2 deficiency elicits cardiac arrhythmias and premature death via impaired autophagy. J Mol Cell Cardiol, 2019. 129: p. 13-26.*
164. *Tsuruda, T., et al., Blockade of the angiotensin II type 1 receptor increases bone mineral density and left ventricular contractility in a mouse model of juvenile Paget disease. European Journal of Pharmacology, 2019. 859: p. 172519-172519.*
165. *Tobita, T., et al., Lvrn expression is not critical for mouse placentation. J Reprod Dev, 2019. 2019(10): p. 2018-157.*
166. *Tanaka, S., et al., The adrenal gland circadian clock exhibits a distinct phase advance in spontaneously hypertensive rats. Hypertens Res, 2019. 42(2): p. 165-173.*
167. *Tanabe, J., et al., The Possibility of Urinary Liver-Type Fatty Acid-Binding Protein as a Biomarker of Renal Hypoxia in Spontaneously Diabetic Torii Fatty Rats. Kidney & Blood Pressure Research, 2019. 44(6): p. 1476-1492.*
168. *Takemoto, Y., et al., The Stabilization of Central Sympathetic Nerve Activation by Renal Denervation Prevents Cerebral Vasospasm after Subarachnoid Hemorrhage in Rats. Translational Stroke Research, 2019: p. 10.1007/s12975-019-00740-9.*
169. *Takasu, T. and S. Takakura, Effect of ipragliflozin, an SGLT2 inhibitor, on cardiac histopathological changes in a non-diabetic rat model of cardiomyopathy. Life Sciences, 2019. 230: p. 19-27.*
170. *Sun, L., J. Zhang, and Y. Li, Chronic central miR-29b antagonism alleviates angiotensin II-induced hypertension and vascular endothelial dysfunction. Life Sciences, 2019. 235: p. 116862-116862.*
171. *Su, Y.-Y., et al., Renin-angiotensin system activation and imbalance of matrix metalloproteinase-9/tissue inhibitor of matrix metalloproteinase-1 in cold-induced stroke. Life Sciences, 2019. 231: p. 116563-116563.*
172. *Shimizu, S., et al., Central angiotensin II type 1 receptor as a therapeutic target against frequent urination. Neurourology and Urodynamics, 2019. 38(8): p. 2112-2120.*
173. *Shekhar, H.U., et al., Recent Advances in Understanding the Role of Genomic and Epigenomic Factors in Noncommunicable Diseases. BioMed research international, 2019. 2019: p. 1649873-1649873.*
174. *Sen, Z., et al., Nicousamide attenuates renal dysfunction and glomerular injury in remnant kidneys by inhibiting TGF-beta1 internalisation and renin activity. Eur J Pharmacol, 2019. 845: p. 74-84.*
175. *Reza, M.F., et al., Evaluation of Pathological Association between Stroke-Related QTL and Salt-Induced Renal Injury in Stroke-Prone Spontaneously Hypertensive Rat. Biomed Res Int, 2019. 2019(5049746): p. 2019.*
176. *Pan, Y., et al., The ATRQbeta-001 vaccine improves cardiac function and prevents postinfarction cardiac remodeling in mice. Hypertens Res, 2019. 42(3): p. 329-340.*
177. *Ogawa, H., et al., Adipolin/CTRP12 protects against pathological vascular remodeling through suppression of smooth muscle cell growth and macrophage inflammatory response. Cardiovasc Res, 2019. 2019(15).*
178. *Noguchi, K., et al., Evaluation of a rat model of functional urinary bladder outlet obstruction produced by chronic inhibition of nitric oxide synthase. Life Sciences, 2019. 234: p. 116772-116772.*
179. *Nobuta, H., et al., A role for bone marrow-derived cells in diabetic nephropathy. Faseb J, 2019. 33(3): p. 4067-4076.*
180. *Ngarashi, D., et al., Dual inhibition of NADPH oxidases and xanthine oxidase potently prevents salt-induced stroke in stroke-prone spontaneously hypertensive rats. Hypertens Res, 2019. 2019(8): p. 019-0246.*
181. *Nakano, Y., et al., Diverse associations between oxidative stress and thromboxane A2 in hypertensive glomerular injury. Hypertens Res, 2019. 42(4): p. 450-458.*
182. *Nagasu, H., et al., Bardoxolone methyl analog attenuates proteinuria-induced tubular damage by modulating mitochondrial function. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 2019. 33(11): p. 12253-12263.*
183. *Nagao, S., et al., Increased salt intake does not worsen the progression of renal cystic disease in high water-loaded*

PCK rats. PLoS ONE, 2019. 14(3): p. 2019.

184. *Nagano, K., et al., Cooperative action of APJ and α1A-adrenergic receptor in vascular smooth muscle cells induces vasoconstriction. Journal of biochemistry, 2019. 166(5): p. 383-392.*
185. *Murata, N., K. Sunada, and S. Hashimoto, Effect of adding vasopressin on the distribution of lidocaine in tissues, anesthetic action, and circulatory dynamics. Odontology, 2019: p. 10.1007/s10266-019-00449-z.*
186. *Morishige, S., et al., 2,5-Dimethylcelecoxib prevents isoprenaline-induced cardiomyocyte hypertrophy and cardiac fibroblast activation by inhibiting Akt-mediated GSK-3 phosphorylation. Biochemical pharmacology, 2019. 168: p. 82-90.*
187. *Mizukami, K., et al., Renoprotective effects of the novel prostaglandin EP4 receptor-selective antagonist ASP7657 in 5/6 nephrectomized chronic kidney disease rats. Naunyn Schmiedebergs Arch Pharmacol, 2019. 392(4): p. 451-459.*
188. *Masodsai, K., et al., Twelve-Week Protocatechuic Acid Administration Improves Insulin-Induced and Insulin-Like Growth Factor-1-Induced Vasorelaxation and Antioxidant Activities in Aging Spontaneously Hypertensive Rats. Nutrients, 2019. 11(3).*
189. *Mansour, A., et al., A novel model of cerebral hyperperfusion with blood-brain barrier breakdown, white matter injury, and cognitive dysfunction. Journal of neurosurgery, 2019: p. 1-13.*
190. *Ma, S., et al., Knockout of TRPA1 exacerbates angiotensin II-induced kidney injury. American journal of physiology. Renal physiology, 2019. 317(3): p. F623-F631.*
191. *Liu, X.W., et al., Farnesyl Pyrophosphate Synthase Blocker Ibandronate Reduces Thoracic Aortic Fibrosis in Diabetic Rats. Am J Med Sci, 2019. 357(4): p. 323-332.*
192. *Liu, Q., et al., Experimental alcoholism primes structural and functional impairment of the glymphatic pathway. Brain, behavior, and immunity, 2019: p. S0889-1591(19)30348-4.*
193. *Liu, B., et al., A rapid method for measuring serum oxidized albumin in a rat model of proteinuria and hypertension. Scientific Reports, 2019. 9(1): p. 8620-8620.*
194. *Liang, J., et al., Inhibition of polycomb repressor complex 2 ameliorates neointimal hyperplasia by suppressing trimethylation of H3K27 in vascular smooth muscle cells. British Journal of Pharmacology, 2019. 176(17): p. 3206-3219.*
195. *Li, R., et al., A potential regulatory network among WDR86-AS1, miR-10b-3p, and LITAF is possibly involved in preeclampsia pathogenesis. Cell Signal, 2019. 55: p. 40-52.*
196. *Li, L., et al., Effects of the novel nonsteroidal mineralocorticoid receptor blocker, esaxerenone (CS-3150), on blood pressure and urinary angiotensinogen in low-renin Dahl salt-sensitive hypertensive rats. Hypertens Res, 2019. 2018(26): p. 018-0187.*
197. *Li, J., et al., Synergistic therapeutic effects of Duzhong Jiangya Tablets and amlodipine besylate combination in spontaneously hypertensive rats using (1) H-NMR- and MS-based metabolomics. Biomedical chromatography : BMC, 2019: p. e4741-e4741.*
198. *Li, H., et al., Plasma levels of matrix metalloproteinase-9: A possible marker for cold-induced stroke risk in hypertensive rats. Neuroscience letters, 2019. 709: p. 134399-134399.*
199. *Li, F.D., et al., Ablation and Inhibition of the Immunoproteasome Catalytic Subunit LMP7 Attenuate Experimental Abdominal Aortic Aneurysm Formation in Mice. J Immunol, 2019. 202(4): p. 1176-1185.*
200. *Le, F., et al., Increased hepatic INSIG-SCAP-SREBP expression is associated with cholesterol metabolism disorder in assisted reproductive technology-conceived aged mice. Reprod Toxicol, 2019. 84: p. 9-17.*
201. *Lang, P.-P., et al., Blockade of intercellular adhesion molecule-1 prevents angiotensin II-induced hypertension and vascular dysfunction. Laboratory investigation; a journal of technical methods and pathology, 2019: p. 10.1038/s41374-019-0320-z.*
202. *Kurose, T., et al., Simulated microgravity-cultured mesenchymal stem cells improve recovery following spinal cord ischemia in rats. Stem cell research, 2019. 41: p. 101601-101601.*
203. *Kosaki, K., et al., Renoprotective effects of voluntary running exercise training on aldosterone-induced renal injury in human L-FABP chromosomal transgenic mice. Hypertension research : official journal of the Japanese Society of Hypertension, 2019. 42(10): p. 1518-1527.*
204. *Kim, S., C.H. Jo, and G.-H. Kim, Effects of empagliflozin on nondiabetic salt-sensitive hypertension in*

uninephrectomized rats. Hypertension research : official journal of the Japanese Society of Hypertension, 2019. 42(12): p. 1905-1915.

205. *Kato, H., et al., Quantitative measurement of regional cerebral blood flow and oxygen metabolism in a rat model of cerebral hypoperfusion. Brain Research, 2019. 1719: p. 208-216.*
206. *Kakino, A., et al., A Novel Cell-Free, Non-Fluorescent Method to Measure Lox-1- Binding Activity Corresponding to The Functional Activity of HDL. J Atheroscler Thromb, 2019. 2019(3): p. 47183.*
207. *Isobe, A., et al., Hatano rats are a suitable metabolic syndrome model for studying feeding behavior, blood pressure levels, and percent body fat. J Vet Med Sci, 2019. 81(1): p. 147-154.*
208. *Ishizue, N., et al., Linagliptin Suppresses Electrical and Structural Remodeling in the Isoproterenol Induced Myocardial Injury Model. Int Heart J, 2019. 60(2): p. 411-418.*
209. *Ishida, H., et al., Alleviation of mechanical stress-induced allodynia by improving blood flow in chronic constriction injury mice. Eur J Pharmacol, 2019. 849: p. 67-74.*
210. *Ichikawa, H., et al., Rivaroxaban, a Direct Factor Xa Inhibitor, Ameliorates Hypertensive Renal Damage Through Inhibition of the Inflammatory Response Mediated by Protease-Activated Receptor Pathway. J Am Heart Assoc, 2019. 8(8): p. 012195.*
211. *Ichihara, S., et al., Ablation of aryl hydrocarbon receptor promotes angiotensin II-induced cardiac fibrosis through enhanced c-Jun/HIF-1alpha signaling. Arch Toxicol, 2019. 2019(23): p. 019-02446.*
212. *Hu, J., J. Zhang, and B. Zhu, Protective effect of metformin on a rat model of lipopolysaccharide-induced preeclampsia. Fundamental & clinical pharmacology, 2019. 33(6): p. 649-658.*
213. *Hu, J., et al., A rat model of placental inflammation explains the unexplained elevated maternal serum alpha-fetoprotein associated with adverse pregnancy outcomes. The journal of obstetrics and gynaecology research, 2019. 45(10): p. 1980-1988.*
214. *Ho, C.C., et al., Persistent elevation of blood pressure by ambient coarse particulate matter after recovery from pulmonary inflammation in mice. Environ Toxicol, 2019. 2019(27): p. 22749.*
215. *Higashi, K., et al., Probucol Slows the Progression of Cataracts in Streptozotocin-Induced Hyperglycemic Rats. Pharmacology, 2019. 103(3-4): p. 212-219.*
216. *Han, J., et al., Schisandrin C targets Keap1 and attenuates oxidative stress by activating Nrf2 pathway in Ang II-challenged vascular endothelium. Phytother Res, 2019. 33(3): p. 779-790.*
217. *Guo, R., et al., Effects of hypertension and antihypertensive treatments on sulfatide levels in serum and its metabolism. Hypertens Res, 2019. 42(5): p. 598-609.*
218. *Guo, G., et al., Tanshinone IIA Ameliorate Coxsackie Virus B3-Induced Viral Myocarditis through the Inhibition of Inflammation and Modulation T Helper 1/T Helper 2 Balance in Mice. Pharmacology, 2019. 103(3-4): p. 136-142.*
219. *Gao, M., et al., Reduction of glyoxalase 1 (GLO1) aggravates cerebrovascular remodeling via promoting the proliferation of basilar smooth muscle cells in hypertension. Biochemical and biophysical research communications, 2019. 518(2): p. 278-285.*
220. *Fukuda, D., et al., Toll-Like Receptor 9 Plays a Pivotal Role in Angiotensin II-Induced Atherosclerosis. J Am Heart Assoc, 2019. 8(7): p. 010860.*
221. *Feng, Z., et al., Tumor-associated macrophage-derived exosomal microRNA-155-5p stimulates intracranial aneurysm formation and macrophage infiltration. Clinical science (London, England : 1979), 2019. 133(22): p. 2265-2282.*
222. *Domon, A., et al., Characterization of Novel Nonobese Type 2 Diabetes Rat Model with Enlarged Kidneys. Journal of diabetes research, 2019. 2019: p. 8153140-8153140.*
223. *Bhuiyan, A.S., et al., Effect of a novel nonsteroidal selective mineralocorticoid receptor antagonist, esaxerenone (CS-3150), on blood pressure and renal injury in high salt-treated type 2 diabetic mice, in Hypertens Res. 2019. p. 019-0211.*
224. *Awazu, M., et al., Maternal undernutrition aggravates renal tubular necrosis and interstitial fibrosis after unilateral ureteral obstruction in male rat offspring. PLoS ONE, 2019. 14(9): p. e0221686-e0221686.*
225. *Ali, Y., et al., Novel molecular mechanisms in the inhibition of adrenal aldosterone synthesis: Action of tolvaptan via vasopressin V2 receptor-independent pathway. Br J Pharmacol, 2019. 176(9): p. 1315-1327.*
226. *Aini, K., et al., Vildagliptin, a DPP-4 Inhibitor, Attenuates Endothelial Dysfunction and Atherogenesis in Nondiabetic*

Apolipoprotein E-Deficient Mice. International heart journal, 2019. 60(6): p. 1421-1429.

227. *Zhu, G., et al., Chronic lead exposure enhances the sympathoexcitatory response associated with P2X4 receptor in rat stellate ganglia. Environ Toxicol, 2018.*
228. *Zhang, S., et al., Hyperinsulinemia precedes insulin resistance in offspring rats exposed to angiotensin II type 1 autoantibody in utero. Endocrine, 2018. 62(3): p. 588-601.*
229. *Zhang, R., et al., Evaluation of a Hypertensive Rat Model Using Peripheral Blood Neutrophil Activity, Phagocytic Activity and Oxidized LDL Evaluation. Anticancer Res, 2018. 38(7): p. 4289-4294.*
230. *Zhang, Q., et al., Liraglutide protects cardiac function in diabetic rats through the PPARalpha pathway. Biosci Rep, 2018.*
231. *Ye, Z., et al., In Utero Exposure to Fine Particulate Matter Causes Hypertension Due to Impaired Renal Dopamine D1 Receptor in Offspring. Cell Physiol Biochem, 2018. 46(1): p. 148-159.*
232. *Yasuda, Y., S. Hashimoto, and K. Sunada, Impact of dexmedetomidine on the tissue distribution, anesthetic action, and hemodynamic effects of mepivacaine. Odontology, 2018. 107(1): p. 29-36.*
233. *Yang, G., et al., Angiotensin-(1-7)-induced Mas receptor activation attenuates atherosclerosis through a nitric oxide-dependent mechanism in apolipoproteinE-KO mice. Pflugers Arch, 2018.*
234. *Yamamoto, K., et al., Pretreatment with an angiotensin II receptor blocker abolished ameliorating actions of adipose-derived stem cell sheets on cardiac dysfunction and remodeling after myocardial infarction. Regen Ther, 2018. 9: p. 79-88.*
235. *Yamaguchi, S., et al., Antihypertensive effects of orally administered eggplant (Solanum melongena) rich in acetylcholine on spontaneously hypertensive rats. Food Chem, 2018. 276: p. 376-382.*
236. *Wang, N., R. Li, and M. Xue, Potential regulatory network in the PSG10P/miR-19a-3p/IL1RAP pathway is possibly involved in preeclampsia pathogenesis. J Cell Mol Med, 2018. 23(2): p. 852-864.*
237. *Umebayashi, R., et al., Cilostazol Attenuates Angiotensin II-Induced Abdominal Aortic Aneurysms but Not Atherosclerosis in Apolipoprotein E-Deficient Mice. Arterioscler Thromb Vasc Biol, 2018.*
238. *Takano, K., et al., Curcumin Inhibits Age-Related Vascular Changes in Aged Mice Fed a High-Fat Diet. Nutrients, 2018. 10(10).*
239. *Takagi, Y., et al., High-Salt Intake Ameliorates Hyperglycemia and Insulin Resistance in WBN/Kob-Lepr(fa/fa) Rats: A New Model of Type 2 Diabetes Mellitus. J Diabetes Res, 2018. 2018(3671892): p. 2018.*
240. *Tahara, A. and T. Takasu, Prevention of progression of diabetic nephropathy by the SGLT2 inhibitor ipragliflozin in uninephrectomized type 2 diabetic mice. Eur J Pharmacol, 2018. 830: p. 68-75.*
241. *Tahara, A. and T. Takasu, Effects of the SGLT2 inhibitor ipragliflozin on various diabetic symptoms and progression of overt nephropathy in type 2 diabetic mice. Naunyn Schmiedebergs Arch Pharmacol, 2018.*
242. *Taguchi, K., et al., Co-treatment with clonidine and a GRK2 inhibitor prevented rebound hypertension and endothelial dysfunction after withdrawal in diabetes. Hypertens Res, 2018.*
243. *Sun, R., et al., Calcimimetic R568 reduced the blood pressure and improved aortic remodeling in spontaneously hypertensive rats by inhibiting local renin-angiotensin system activity. Exp Ther Med, 2018. 16(5): p. 4089-4099.*
244. *Shi, Y., et al., Targeted regulation of sympathetic activity in paraventricular nucleus reduces inducible ventricular arrhythmias in rats after myocardial infarction. J Cardiol, 2018. 73(1): p. 81-88.*
245. *Shi, X., et al., Neuroprotective effects of SMTP-44D in mice stroke model in relation to neurovascular unit and trophic coupling. J Neurosci Res, 2018. 96(12): p. 1887-1899.*
246. *Sheng, X., et al., Effects of Baicalin on Diabetic Cardiac Autonomic Neuropathy Mediated by the P2Y12 Receptor in Rat Stellate Ganglia. Cell Physiol Biochem, 2018. 46(3): p. 986-998.*
247. *Seow, K.M., et al., The use of dehydroepiandrosterone-treated rats is not a good animal model for the study of metabolic abnormalities in polycystic ovary syndrome. Taiwan J Obstet Gynecol, 2018. 57(5): p. 696-704.*
248. *Sekiguchi, F., et al., Blockade of T-type calcium channels by 6-prenylnaringenin, a hop component, alleviates neuropathic and visceral pain in mice. Neuropharmacology, 2018. 138: p. 232-244.*
249. *Osanai, T., et al., Intracellular protons accelerate aging and switch on aging hallmarks in mice. J Cell Biochem, 2018. 119(12): p. 9825-9837.*
250. *Nishihara, M., K. Takesue, and Y. Hirooka, Olmesartan combined with renal denervation reduces blood pressure in*

association with sympatho-inhibitory and aldosterone-reducing effects in hypertensive mice with chronic kidney disease. Clin Exp Hypertens, 2018. 41(3): p. 211-219.

251. *Ni, X.Q., et al., Inhibition of endoplasmic reticulum stress by intermedin1-53 attenuates angiotensin II-induced abdominal aortic aneurysm in ApoE KO Mice. Endocrine, 2018. 62(1): p. 90-106.*
252. *Narikawa, M., et al., Acute Hyperthermia Inhibits TGF-beta1-induced Cardiac Fibroblast Activation via Suppression of Akt Signaling. Sci Rep, 2018. 8(1): p. 018-24749.*
253. *Namekawa, J., et al., Characteristics of WBN/Kob diabetic fatty rats supplemented with a fructose-rich diet as a metabolic syndrome model: response to a GLP-1 receptor agonist. J Vet Med Sci, 2018. 80(10): p. 1515-1523.*
254. *Nakano, F., et al., Anti-vasospastic Effects of Epidermal Growth Factor Receptor Inhibitors After Subarachnoid Hemorrhage in Mice. Mol Neurobiol, 2018. 2018(31): p. 018-1400.*
255. *Mochizuki, H., et al., Approaches of validation of a 2-week combined repeated oral dose toxicity study with plasma micro sampling toxicokinetics (PMS-TK) in common marmosets. J Toxicol Sci, 2018. 43(11): p. 685-695.*
256. *Mizuno, M., et al., Empagliflozin normalizes the size and number of mitochondria and prevents reduction in mitochondrial size after myocardial infarction in diabetic hearts. Physiol Rep, 2018. 6(12): p. 13741.*
257. *Miyoshi, M., et al., Maternal Protein Restriction Alters the Renal Ptger1 DNA Methylation State in SHRSP Offspring. Nutrients, 2018. 10(10).*
258. *Minanimo-Muta, E., et al., Cardiac effects of acute administration of a protonophore in a rat model. J Pharm Pharmacol, 2018. 70(9): p. 1209-1215.*
259. *Matsuoka, H., et al., Hydrogen gas improves left ventricular hypertrophy in Dahl rat of salt-sensitive hypertension. Clin Exp Hypertens, 2018. 41(4): p. 307-311.*
260. *Matsunaga, T., et al., Angiotensin-II regulates dosing time-dependent intratumoral accumulation of macromolecular drug formulations via 24-h blood pressure rhythm in tumor-bearing mice. Biochem Biophys Res Commun, 2018.*
261. *Masuda, T., et al., Unmasking a sustained negative effect of SGLT2 inhibition on body fluid volume in the rat. Am J Physiol Renal Physiol, 2018. 315(3): p. F653-F664.*
262. *Lu, J., et al., ClC-2 knockdown prevents cerebrovascular remodeling via inhibition of the Wnt/beta-catenin signaling pathway. Cell Mol Biol Lett, 2018. 23(29): p. 018-0095.*
263. *Liu, X.J., et al., Renal injury in Seipin-deficient lipodystrophic mice and its reversal by adipose tissue transplantation or leptin administration alone: adipose tissue-kidney crosstalk. Faseb J, 2018. 32(10): p. 5550-5562.*
264. *Liu, S., et al., Cardiac Ablation of SOCS3 Aggravates DOCA-Salt-Induced Hypertrophic Remodeling by Activation of Gp130-Dependent Signaling in Mice. Cell Physiol Biochem, 2018. 47(1): p. 140-150.*
265. *Lin, Y.H., et al., Purification and Identification of Angiotensin I-Converting Enzyme Inhibitory Peptides and the Antihypertensive Effect of Chlorella sorokiniana Protein Hydrolysates. Nutrients, 2018. 10(10).*
266. *Lin, M., et al., Yes-associated protein mediates angiotensin II-induced vascular smooth muscle cell phenotypic modulation and hypertensive vascular remodelling. Cell Prolif, 2018. 51(6): p. 29.*
267. *Li, Z., et al., Acetylshikonin from Zicao ameliorates renal dysfunction and fibrosis in diabetic mice by inhibiting TGF-beta1/Smad pathway. Hum Cell, 2018. 31(3): p. 199-209.*
268. *Li, L., et al., Microtubule associated protein 4 phosphorylation leads to pathological cardiac remodeling in mice. EBioMedicine, 2018. 37: p. 221-235.*
269. *Lee, J., et al., Unveiling systemic organ disorders associated with impaired lipid catabolism in fasted SOD1-deficient mice. Arch Biochem Biophys, 2018. 654: p. 163-171.*
270. *Korkutata, M., et al., Enhancing endogenous adenosine A2A receptor signaling induces slow-wave sleep without affecting body temperature and cardiovascular function. Neuropharmacology, 2018. 144: p. 122-132.*
271. *Kondo, M., et al., Xanthine Oxidase Inhibition by Febuxostat in Macrophages Suppresses Angiotensin II-Induced Aortic Fibrosis. Am J Hypertens, 2018. 32(3): p. 249-256.*
272. *Komaki, H., et al., Azilsartan attenuates cardiac damage caused by high salt intake through the downregulation of the cardiac (pro)renin receptor and its downstream signals in spontaneously hypertensive rats. Hypertens Res, 2018. 41(11): p. 886-896.*
273. *Kitada, M., et al., A low-protein diet exerts a beneficial effect on diabetic status and prevents diabetic nephropathy in Wistar fatty rats, an animal model of type 2 diabetes and obesity. Nutr Metab, 2018. 15(20): p. 018-0255.*

274. *Kawano, T., et al., Involvement of acute neuroinflammation in postoperative delirium-like cognitive deficits in rats. J Anesth, 2018. 32(4): p. 506-517.*
275. *Kawakami, K., et al., Antihypertensive Effect of gamma-Aminobutyric Acid-Enriched Brown Rice on Spontaneously Hypertensive Rats. J Nutr Sci Vitaminol, 2018. 64(1): p. 56-62.*
276. *Jo, C.H., et al., Anti-Inflammatory Action of Sitagliptin and Linagliptin in Doxorubicin Nephropathy. Kidney Blood Press Res, 2018. 43(3): p. 987-999.*
277. *Ishikane, S., et al., Angiotensin II promotes pulmonary metastasis of melanoma through the activation of adhesion molecules in vascular endothelial cells. Biochem Pharmacol, 2018. 154: p. 136-147.*
278. *Imanishi, M., et al., Nitrosonifedipine, a Photodegradation Product of Nifedipine, Suppresses Pharmacologically Induced Aortic Aneurysm Formation. Pharmacology, 2018. 102(5-6): p. 287-299.*
279. *Higashi, Y., et al., Anti-cataract Effect of Resveratrol in High-Glucose-Treated Streptozotocin-Induced Diabetic Rats. Biol Pharm Bull, 2018. 41(10): p. 1586-1592.*
280. *Hara, T., et al., Protease-Activated Receptor-2 Plays a Critical Role in Vascular Inflammation and Atherosclerosis in Apolipoprotein E-Deficient Mice. Circulation, 2018. 138(16): p. 1706-1719.*
281. *Han, J., et al., Angiotensin II Causes Biphasic STAT3 Activation Through TLR4 to Initiate Cardiac Remodeling. Hypertension, 2018. 72(6): p. 1301-1311.*
282. *Guo, J., et al., Involvement of P2Y12 receptor of stellate ganglion in diabetic cardiovascular autonomic neuropathy. Purinergic Signal, 2018. 14(4): p. 345-357.*
283. *Gao, M., et al., Redox signal-mediated TRPM2 promotes Ang II-induced adipocyte insulin resistance via Ca(2+)-dependent CaMKII/JNK cascade. Metabolism, 2018. 85: p. 313-324.*
284. *Furuuchi, R., et al., Boysenberry polyphenol inhibits endothelial dysfunction and improves vascular health. PLoS ONE, 2018. 13(8): p. 2018.*
285. *Feng, Y., et al., Alpha-1-antitrypsin functions as a protective factor in preeclampsia through activating Smad2 and inhibitor of DNA binding 4. Oncotarget, 2018. 8(68): p. 113002-113012.*
286. *Doke, T., et al., Lacking ketohexokinase-A exacerbates renal injury in streptozotocin-induced diabetic mice. Metabolism, 2018. 85: p. 161-170.*
287. *Cui, C., et al., Large-scale in silico identification of drugs exerting sex-specific effects in the heart. J Transl Med, 2018. 16(1): p. 018-1612.*
288. *Aoki, A., et al., Trophoblast-Specific Conditional Atg7 Knockout Mice Develop Gestational Hypertension. Am J Pathol, 2018. 188(11): p. 2474-2486.*
289. *Ansary, T.M., et al., Effects of the selective chymase inhibitor TEI-F00806 on the intrarenal renin-angiotensin system in salt-treated angiotensin I-infused hypertensive mice. Exp Physiol, 2018. 103(11): p. 1524-1531.*
290. *Ando, M., et al., Impairment of Protease-Activated Receptor 2-Induced Relaxation of Aortas of Aged Spontaneously Hypertensive Rat. Biol Pharm Bull, 2018. 41(5): p. 815-819.*
291. *Zhu, R., et al., ADAMTS18 Deficiency Leads to Visceral Adiposity and Associated Metabolic Syndrome in Mice. American Journal of Pathology, 2017.*
292. *Zhou, J., et al., Curcumin inhibits placental inflammation to ameliorate LPS-induced adverse pregnancy outcomes in mice via upregulation of phosphorylated Akt. Inflamm Res, 2017. 66(2): p. 177-185.*
293. *Zhao, Y., et al., Angiotensin II induces calcium/calcineurin signaling and podocyte injury by downregulating microRNA-30 family members. J Mol Med (Berl), 2017.*
294. *Zhao, X.J., et al., Magnesium isoglycyrrhizinate blocks fructose-induced hepatic NF-kappaB/NLRP3 inflammasome activation and lipid metabolism disorder. Eur J Pharmacol, 2017.*
295. *Zhang, D., et al., Glucocorticoid exposure induces preeclampsia via dampening 1,25-dihydroxyvitamin D3. Hypertens Res, 2017. 41(2): p. 104-111.*
296. *Zankov, D.P., et al., Protective effects of intercalated disk protein afadin on chronic pressure overload-induced myocardial damage. Sci Rep, 2017. 7: p. 39335.*
297. *Yu, G., et al., Involvement of WNK1-mediated potassium channels in the sexual dimorphism of blood pressure. Biochem Biophys Res Commun, 2017. 485(2): p. 255-260.*
298. *Yin, J., et al., Role of P2X7R in the development and progression of pulmonary hypertension. Respir Res, 2017. 18(1):*

p. 127.

299. *Yang, Q., et al., The essential role of phospho-T38 CPI-17 in the maintenance of physiological blood pressure using genetically modified mice. Faseb J, 2017: p. fj201700794R.*
300. *Yang, P.F., et al., IMM-H004, a coumarin derivative, attenuated brain ischemia/reperfusion injuries and subsequent inflammation in spontaneously hypertensive rats through inhibition of VCAM-1. Rsc Advances, 2017. 7.*
301. *Yan, W., et al., Knockout of immunoproteasome subunit beta2i ameliorates cardiac fibrosis and inflammation in DOCA/Salt hypertensive mice. Biochem Biophys Res Commun, 2017.*
302. *Xu, Z., et al., Angiotensin II induces kidney inflammatory injury and fibrosis through binding to myeloid differentiation protein-2 (MD2). Sci Rep, 2017. 7: p. 44911.*
303. *Xu, G.F., et al., Ovarian stimulation perturbs methylation status of placental imprinting genes and reduces blood pressure in the second generation offspring. Eur J Obstet Gynecol Reprod Biol, 2017. 211: p. 140-145.*
304. *Xiang, D.M., et al., Chronic kidney disease promotes chronic inflammation in visceral white adipose tissue. Am J Physiol Renal Physiol, 2017. 312(4): p. F689-F701.*
305. *Wu, Y., et al., Protective effects of PPAR-gamma against pregnancy-induced hypertension by differential ETR expression in rat models. J Cell Biochem, 2017. 119(4): p. 3118-3128.*
306. *Wei, X., et al., Activation of TRPV4 by dietary apigenin antagonizes renal fibrosis in deoxycorticosterone acetate (DOCA)-salt-induced hypertension. Clin Sci (Lond), 2017. 131(7): p. 567-581.*
307. *Watanabe, Y., et al., Electrophysiological analyses of transgenic mice overexpressing KCNJ8 with S422L mutation in cardiomyocytes. J Pharmacol Sci, 2017. 135(1): p. 37-43.*
308. *Watabe, T., et al., Quantitative evaluation of oxygen metabolism in the intratumoral hypoxia: 18F-fluoromisonidazole and 15O-labelled gases inhalation PET. EJNMMI Res, 2017. 7(1): p. 16.*
309. *Wang, T., et al., Effect of prehypertensive losartan therapy on AT1R and ATRAP methylation of adipose tissue in the later life of highfatfed spontaneously hypertensive rats. Mol Med Rep, 2017. 17(1): p. 1753-1761.*
310. *Wang, L.P., et al., Oxidative stress promotes myocardial fibrosis by upregulating KCa3.1 channel expression in AGT-REN double transgenic hypertensive mice. Pflugers Arch, 2017.*
311. *Wang, L., et al., Simultaneous Imaging of Cerebrovascular Structure and Function in Hypertensive Rats Using Synchrotron Radiation Angiography. Front Aging Neurosci, 2017. 9: p. 359.*
312. *Uchinaka, A., et al., Effects of mTOR inhibition on cardiac and adipose tissue pathology and glucose metabolism in rats with metabolic syndrome. Pharmacol Res Perspect, 2017. 5(4).*
313. *Tsutsui, Y. and K. Sunada, A Combination of Dexmedetomidine and Lidocaine Is a Cardiovascularly Safe Dental Local Anesthetic for Hypertensive Rats Treated With a Nonselective β-Adrenergic Antagonist. Anesth Prog, 2017. 64(4): p. 221-225.*
314. *Tsai, S.H., et al., Fucoidan attenuates angiotensin II-induced abdominal aortic aneurysms through the inhibition of c-Jun N-terminal kinase and nuclear factor kappaB activation. J Vasc Surg, 2017.*
315. *Thorwald, M., et al., Angiotensin receptor blockade improves cardiac mitochondrial activity in response to an acute glucose load in obese insulin resistant rats. Redox Biol, 2017. 14: p. 371-378.*
316. *Thieme, M., et al., Phosphodiesterase 5 inhibition ameliorates angiotensin II-dependent hypertension and renal vascular dysfunction. Am J Physiol Renal Physiol, 2017. 312(3): p. F474-F481.*
317. *Takahashi, S., et al., Mesenchymal Stem Cell-Based Therapy Improves Lower Limb Movement After Spinal Cord Ischemia in Rats. Ann Thorac Surg, 2017.*
318. *Takahara, Y., et al., Deletion of hypoxia-inducible factor-1alpha in myeloid lineage exaggerates angiotensin II-induced formation of abdominal aortic aneurysm. Clin Sci (Lond), 2017. 131(7): p. 609-620.*
319. *Suzuki, M., et al., Combined long-term caffeine intake and exercise inhibits the development of diabetic nephropathy in OLETF rats. J Appl Physiol (1985), 2017. 122(5): p. 1321-1328.*
320. *Suzuki, D., et al., Suppressive effects of RXR agonist PA024 on adrenal CYP11B2 expression, aldosterone secretion and blood pressure. PLoS ONE, 2017. 12(8): p. e0181055.*
321. *Suda, M., et al., Inhibition of dipeptidyl peptidase-4 ameliorates cardiac ischemia and systolic dysfunction by up-regulating the FGF-2/EGR-1 pathway. PLoS ONE, 2017. 12(8): p. e0182422.*
322. *Shobako, N., et al., A Novel Antihypertensive Peptide Identified in Thermolysin-Digested Rice Bran. Mol Nutr Food*

Res, 2017. 62(4).

323. *Salim, H.M., et al., Teneligliptin, a dipeptidyl peptidase-4 inhibitor, attenuated pro-inflammatory phenotype of perivascular adipose tissue and inhibited atherogenesis in normoglycemic apolipoprotein-E-deficient mice. Vascular Pharmacology, 2017.*
324. *Ono, T., et al., The histone 3 lysine 9 methyltransferase inhibitor chaetocin improves prognosis in a rat model of high salt diet-induced heart failure. Sci Rep, 2017. 7: p. 39752.*
325. *Okamura, Y., et al., Vasculo-protective effect of BMS-309403 is independent of its specific inhibition of fatty acid-binding protein 4. Pflugers Arch, 2017.*
326. *Ohata, K., et al., Renoprotective effect of the xanthine oxidoreductase inhibitor Topiroxostat under decreased angiotensin II type 1a receptor expression. Eur J Pharmacol, 2017. 815: p. 88-97.*
327. *Ogiwara, K., et al., Up-Regulation of the Voltage-Gated KV2.1 K(+) Channel in the Renal Arterial Myocytes of Dahl Salt-Sensitive Hypertensive Rats. Biol Pharm Bull, 2017. 40(9): p. 1468-1474.*
328. *Nakanishi, K., et al., Changes in renal vessels associated with long-term administration of angiotensin converting enzyme inhibitor in Zucker fatty rats. J Smooth Muscle Res, 2017. 53(0): p. 20-30.*
329. *Nakamura, K., et al., Geniposidic acid upregulates atrial natriuretic peptide secretion and lowers blood pressure in spontaneously hypertensive rats. Journal of Functional Foods, 2017. 40: p. 634-638.*
330. *Monguchi, T., et al., Excessive intake of trans fatty acid accelerates atherosclerosis through promoting inflammation and oxidative stress in a mouse model of hyperlipidemia. J Cardiol, 2017.*
331. *Mitsuhashi, T., et al., Endothelial Nitric Oxide Synthase-Independent Pleiotropic Effects of Pitavastatin Against Atherogenesis and Limb Ischemia in Mice. J Atheroscler Thromb, 2017.*
332. *Meng, X., et al., Deletion of resistin-like molecule-beta attenuates angiotensin II-induced abdominal aortic aneurysm. Oncotarget, 2017. 8(61): p. 104171-104181.*
333. *Matsumoto, T., et al., Retinal VEGF levels correlate with ocular circulation measured by a laser speckle-micro system in an oxygen-induced retinopathy rat model. Graefes Arch Clin Exp Ophthalmol, 2017. 255(10): p. 1981-1990.*
334. *Maekawa, T., et al., Pathophysiological profiles of SDT fatty rats, a potential new diabetic peripheral neuropathy model. J Pharmacol Toxicol Methods, 2017. 88(Pt 2): p. 160-166.*
335. *Maekawa, H., et al., Bazedoxifene, a selective estrogen receptor modulator, reduces cerebral aneurysm rupture in Ovariectomized rats. J Neuroinflammation, 2017. 14(1): p. 197.*
336. *Lu, Y.F., et al., The protective effects of taurine on experimental autoimmune myocarditis. Eur Rev Med Pharmacol Sci, 2017. 21(8): p. 1868-1875.*
337. *Liu, Y., et al., Apelin involved in progression of diabetic nephropathy by inhibiting autophagy in podocytes. Cell Death Dis, 2017. 8(8): p. e3006.*
338. *Liu, W.H., et al., Inhibition of the RhoA/Rho-associated, coiled-coil-containing protein kinase-1 pathway is involved in the therapeutic effects of simvastatin on pulmonary arterial hypertension. Clinical & Experimental Hypertension, 2017: p. 1.*
339. *Lin, J., et al., Cerebral Venous Collagen Remodeling in a Modified White Matter Lesions Animal Model. Neuroscience, 2017. 367: p. 72-84.*
340. *Liang, J., et al., Stretch-activated channel Piezo1 is up-regulated in failure heart and cardiomyocyte stimulated by AngII. Am J Transl Res, 2017. 9(6): p. 2945-2955.*
341. *Li, Y., et al., Inhibition of vascular smooth muscle cells premature senescence with rutin attenuates and stabilizes diabetic atherosclerosis. J Nutr Biochem, 2017. 51: p. 91-98.*
342. *Li, L., et al., Caloric restriction reduces the systemic progression of mouse AApoAII amyloidosis. PLoS ONE, 2017. 12(2): p. e0172402.*
343. *Li, L., et al., Effect of a SGLT2 inhibitor on the systemic and intrarenal renin–angiotensin system in subtotally nephrectomized rats. Journal of Pharmacological Sciences, 2017.*
344. *Kumakura, K., et al., The salted radish takuan-zuke shows antihypertension effects in spontaneously hypertensive rats. Food Funct, 2017. 8(10): p. 3491-3500.*
345. *Kugita, M., et al., Beneficial effect of combined treatment with octreotide and pasireotide in PCK rats, an orthologous model of human autosomal recessive polycystic kidney disease. PLoS ONE, 2017. 12(5): p. e0177934.*

346. *Kobayashi, S., et al., Augmented Contractility to Noradrenaline in Femoral Arteries from the Otsuka Long-Evans Tokushima Fatty Rat, a Model of Type 2 Diabetes. Biol Pharm Bull, 2017. 40(12): p. 2061-2067.*
347. *Kanno, M., et al., Rosuvastatin pretreatment suppresses distant organ injury following unilateral renal ischemia-reperfusion in hypertensive Dahl salt-sensitive rats. Nephrology (Carlton), 2017.*
348. *Kadoguchi, T., et al., Deletion of NAD(P)H Oxidase 2 Prevents Angiotensin II-Induced Skeletal Muscle Atrophy. 2017. 2018: p. 1-10.*
349. *Jo, C.H., et al., Alteration of Tight Junction Protein Expression in Dahl Salt-Sensitive Rat Kidney. Kidney Blood Press Res, 2017. 42(6): p. 951-960.*
350. *Jiang, H., et al., Changes in cardiovascular function based on adrenalin and norepinephrine metabolism in ovariectomized rats. Exp Gerontol, 2017. 91: p. 15-24.*
351. *J, Z., et al., Severe traumatic hemorrhagic shock induces compromised immune barrier function of the mesenteric lymph node leading to an increase in intestinal bacterial translocation. 2017.*
352. *Ito, R., et al., A ubiquitin-proteasome inhibitor bortezomib suppresses the expression of CYP11B2, a key enzyme of aldosterone synthesis, as revealed by chemical screening. Biochemical & Biophysical Research Communications, 2017.*
353. *Ishigaki, S., et al., Melatonin ameliorates intrarenal renin-angiotensin system in a 5/6 nephrectomy rat model. Clin Exp Nephrol, 2017.*
354. *Huang, R., et al., Rutin alleviates diabetic cardiomyopathy and improves cardiac function in diabetic ApoEknockout mice. Eur J Pharmacol, 2017. 814: p. 151-160.*
355. *Hosoo, S., et al., Preventive effect of Eucommia leaf extract on aortic media hypertrophy in Wistar-Kyoto rats fed a high-fat diet. Hypertens Res, 2017. 40(6): p. 546-551.*
356. *Horitsugi, G., et al., Oxygen-15 labeled CO2, O2, and CO PET in small animals: evaluation using a 3D-mode microPET scanner and impact of reconstruction algorithms. EJNMMI Res, 2017. 7(1): p. 91.*
357. *Hara, T., et al., Inhibition of activated factor X by rivaroxaban attenuates neointima formation after wire-mediated vascular injury. Eur J Pharmacol, 2017. 820: p. 222-228.*
358. *Han, J., et al., MD2 mediates angiotensin II-induced cardiac inflammation and remodeling via directly binding to Ang II and activating TLR4/NF-kappaB signaling pathway. Basic Res Cardiol, 2017. 112(1): p. 9.*
359. *Guo, R., et al., Adiponectin and its receptors are involved in hypertensive vascular injury. Mol Med Rep, 2017. 17(1): p. 209-215.*
360. *Guan, X.H., et al., CD38 promotes angiotensin II-induced cardiac hypertrophy. J Cell Mol Med, 2017.*
361. *Gu, Y., et al., Fasudil attenuates soluble fms-like tyrosine kinase-1 (sFlt-1)-induced hypertension in pregnant mice through RhoA/ROCK pathway. Oncotarget, 2017. 8(61): p. 104104-104112.*
362. *Ensho, T., et al., Neuromedin U precursor-related peptide (NURP) exerts neuromedin U-like sympathetic nerve action in the rat. Biochem Biophys Res Commun, 2017. 492(3): p. 412-418.*
363. *Dunnes, S., et al., Phosphodiesterase 3A expression and activity in the murine vasculature is influenced by NO-sensitive guanylyl cyclase. Pflugers Arch, 2017.*
364. *Cheng, X., J. Zhang, and Z. Chen, Effects of Total Flavone from Rhododendron simsii Planch. Flower on Postischemic Cardiac Dysfunction and Cardiac Remodeling in Rats. 2017.*
365. *Chen, R., et al., Metformin attenuates angiotensin II-induced TGFbeta1 expression by targeting hepatocyte nuclear factor-4-alpha. Br J Pharmacol, 2017.*
366. *Aoki, S., et al., The reduction of heparan sulphate in the glomerular basement membrane does not augment urinary albumin excretion. Nephrol Dial Transplant, 2017.*
367. *Zhu, X., et al., Inhibiting MicroRNA-503 and MicroRNA-181d with Losartan Ameliorates Diabetic Nephropathy in KKAy Mice. Med Sci Monit, 2016. 22: p. 3902-3909.*
368. *Zhou, L., et al., The effects of a 50-Hz magnetic field on the cardiovascular system in rats. Journal of Radiation Research, 2016. 57(6): p. 627-636.*
369. *Zhong, G., et al., Regulation of microRNA-214 on vascular smooth muscle cell proliferation and potential treatment effects in hypertension mouse. 2016.*
370. *Zhang, X., et al., Metformin alleviates vascular calcification induced by vitamin D3 plus nicotine in rats via the AMPK*

pathway. Vascul Pharmacol, 2016. 2016(7): p. 30040-9.

371. *Zhang, Q., et al., Cadmium-induced immune abnormality is a key pathogenic event in human and rat models of preeclampsia. Environ Pollut, 2016. 7491(16): p. 073.*
372. *Zhang, L., et al., Early administration of trimetazidine attenuates diabetic cardiomyopathy in rats by alleviating fibrosis, reducing apoptosis and enhancing autophagy. J Transl Med, 2016. 14(1): p. 016-0849.*
373. *Zempo, H., et al., Influence of periostin-positive cell-specific Klf5 deletion on aortic thickening in DOCA-salt hypertensive mice. Hypertens Res, 2016. 2016(23): p. 65.*
374. *Zahid, H.M., et al., Effect of p22phox depletion on sympathetic regulation of blood pressure in SHRSP: evaluation in a new congenic strain. Sci Rep, 2016. 6: p. 36739.*
375. *Yun, Z., et al., Allicin ameliorates intraintestinal bacterial translocation after trauma/hemorrhagic shock in rats: The role of mesenteric lymph node dendritic cell. Surgery, 2016. 161(2): p. 546.*
376. *Yin, J., et al., Lung-specific RNA interference of coupling factor 6, a novel peptide, attenuates pulmonary arterial hypertension in rats. Respir Res, 2016. 17(1): p. 016-0409.*
377. *Yang, J., et al., Alteration of RhoA Prenylation Ameliorates Cardiac and Vascular Remodeling in Spontaneously Hypertensive Rats. Cell Physiol Biochem, 2016. 39(1): p. 229-41.*
378. *Yang, A., et al., Modulation of FABP4 hypomethylation by DNMT1 and its inverse interaction with miR-148a/152 in the placenta of preeclamptic rats and HTR-8 cells. Placenta, 2016. 46(7): p. 49.*
379. *Yamanaka, D., et al., Preventive effects of dexmedetomidine on the development of cognitive dysfunction following systemic inflammation in aged rats. J Anesth, 2016. 31(1): p. 25-35.*
380. *Yamaguchi, T., et al., Percutaneous carbon dioxide mist treatment has protective effects in experimental myocardial infarction. Journal of Pharmacological Sciences, 2016. 127(4): p. 474-480.*
381. *Xie, Q., et al., Nebivolol Ameliorates Cardiac NLRP3 Inflammasome Activation in a Juvenile-Adolescent Animal Model of Diet-Induced Obesity. Scientific Reports, 2016. 6: p. 34326.*
382. *Wu, B., et al., LncRNA uc.48+ siRNA improved diabetic sympathetic neuropathy in type 2 diabetic rats mediated by P2X7 receptor in SCG. Auton Neurosci, 2016. 197: p. 14-8.*
383. *Wu, B., et al., Purification and identification of an angiotensin I-converting enzyme-inhibitory peptide from Argopecten irradians mantle enzymatic hydrolysate. European Food Research & Technology, 2016: p. 1-7.*
384. *Watanabe, S., et al., Effect of Long-Term Diabetes on Serotonin-Mediated Contraction in Carotid Arteries from Streptozotocin-Induced Diabetic Male and Female Rats. Biological & Pharmaceutical Bulletin, 2016. 39(10): p. 1723-1727.*
385. *Watanabe, S., et al., Multiple activation mechanisms of serotonin-mediated contraction in the carotid arteries obtained from spontaneously hypertensive rats. Pflugers Arch, 2016. 468(7): p. 1271-82.*
386. *Wang, Q., et al., An EP4 Receptor Agonist Inhibits Cardiac Fibrosis Through Activation of PKA Signaling in Hypertrophied Heart. Int Heart J, 2016. 58(1): p. 107-114.*
387. *Wang, L.P., et al., Protective role of ACE2-Ang-(1-7)-Mas in myocardial fibrosis by downregulating KCa3.1 channel via ERK1/2 pathway. Pflugers Arch., 2016: p. 1-11.*
388. *Wang, B., et al., Berberine Improved Aldo-Induced Podocyte Injury via Inhibiting Oxidative Stress and Endoplasmic Reticulum Stress Pathways both In Vivo and In Vitro. Cell Physiol Biochem, 2016. 39(1): p. 217-28.*
389. *Wada, Y., et al., Longitudinal Changes in Optic Nerve Head Blood Flow in Normal Rats Evaluated by Laser Speckle Flowgraphy. Investigative Ophthalmology & Visual Science, 2016. 57(13): p. 5568.*
390. *Vazquez-Anaya, G., et al., Exogenous thyroxine improves glucose intolerance in insulin-resistant rats. J Endocrinol, 2016. 232(3): p. 501-511.*
391. *Ushiki, A., et al., Long-Range Control of Renin Gene Expression in Tsukuba Hypertensive Mice. PLoS ONE, 2016. 11(11): p. e0166974.*
392. *Tsai, S.H., et al., Inhibition of hypoxia inducible factor-1alpha attenuates abdominal aortic aneurysm progression through the down-regulation of matrix metalloproteinases. Sci Rep, 2016. 6(28612).*
393. *Takashima, A., et al., Combination of n-3 polyunsaturated fatty acids reduces atherogenesis in apolipoprotein E-deficient mice by inhibiting macrophage activation. Atherosclerosis, 2016. 254: p. 142-150.*
394. *Takagi, Y., et al., Effects of high-sodium intake on systemic blood pressure and vascular responses in spontaneously*

diabetic WBN/Kob-Leprfa/fa rats. Clin Exp Pharmacol Physiol, 2016. 44(2): p. 305-312.

395. *Sun, J., et al., Amlodipine Ameliorates Ischemia-Induced Neovascularization in Diabetic Rats through Endothelial Progenitor Cell Mobilization. Biomed Res Int, 2016. 2016(3182764): p. 8.*
396. *Shinohara, N., et al., d-Allose Attenuates Overexpression of Inflammatory Cytokines after Cerebral Ischemia/Reperfusion Injury in Gerbil. J Stroke Cerebrovasc Dis, 2016. 3057(16): p. 00051-3.*
397. *Shinoda, Y., et al., Corticosteroids Mediate Heart Failure-Induced Depression through Reduced sigma1-Receptor Expression. PLoS ONE, 2016. 11(10): p. e0163992.*
398. *Shiheido, Y., et al., Porphyromonas gingivalis, a periodontal pathogen, enhances myocardial vulnerability, thereby promoting post-infarct cardiac rupture. J Mol Cell Cardiol, 2016. 2828(16): p. 30063-3.*
399. *Sheng, L.J., et al., Beta3 adrenergic receptor is involved in vascular injury in deoxycorticosterone acetate-salt hypertensive mice. FEBS Lett, 2016. 590(6): p. 769-78.*
400. *Seno, A., et al., Suppressed Production of Soluble Fms-Like Tyrosine Kinase-1 Contributes to Myocardial Remodeling and Heart Failure. Hypertension, 2016. 68(3): p. 678-87.*
401. *Segura-Puimedon, M., et al., Proatherosclerotic Effect of the alpha1-Subunit of Soluble Guanylyl Cyclase by Promoting Smooth Muscle Phenotypic Switching. Am J Pathol, 2016. 186(8): p. 2220-31.*
402. *Sato, H., et al., A Periodontal pathogen Porphyromonas gingivalis deteriorates Isoproterenol-Induced myocardial remodeling in mice. Hypertension Research Official Journal of the Japanese Society of Hypertension, 2016. 40(1): p. 35.*
403. *Sano, Y., et al., Effects of various types of anesthesia on hemodynamics, cardiac function, and glucose and lipid metabolism in rats. American Journal of Physiology Heart & Circulatory Physiology, 2016. 311(6): p. H1360.*
404. *Sakamoto, T., et al., Alteration of amiloride-sensitive salt taste nerve responses in aldosterone/NaCl-induced hypertensive rats. Neurosci Res, 2016.*
405. *Saito, A., et al., The impact of theaflavins on systemic-and microcirculation alterations: The murine and randomized feasibility trials. J Nutr Biochem, 2016. 32: p. 107-14.*
406. *Saito, A., et al., Onset of a hypotensive effect following ingestion of flavan 3-ols involved in the activation of adrenergic receptors. Free radical biology & medicine, 2016. 99: p. 584-592.*
407. *Qin, Y., et al., Tauroursodeoxycholic Acid Attenuates Angiotensin II Induced Abdominal Aortic Aneurysm Formation in Apolipoprotein E-deficient Mice by Inhibiting Endoplasmic Reticulum Stress. European Journal of Vascular & Endovascular Surgery the Official Journal of the European Society for Vascular Surgery, 2016. 53(3): p. 337 鈥?45.*
408. *Qian, W., et al., Components of Boiogito Suppress the Progression of Hypercholesterolemia and Fatty Liver Induced by High-Cholesterol Diet in Rats. Yonago Acta Med, 2016. 59(1): p. 67-80.*
409. *Potthoff, S.A., et al., Chronic p38 mitogen-activated protein kinase inhibition improves vascular function and remodeling in angiotensin II-dependent hypertension. J Renin Angiotensin Aldosterone Syst, 2016. 17(3).*
410. *Pan, W., et al., Dose response of dexmedetomidineinduced resistance to hypoxia in mice. Mol Med Rep, 2016. 2016(4): p. 5588.*
411. *Pai, C.H., et al., Lack of Thromboxane Synthase Prevents Hypertension and Fetal Growth Restriction after High Salt Treatment during Pregnancy. PLoS ONE, 2016. 11(3): p. 2016.*
412. *Osada-Oka, M., et al., Macrophage-derived exosomes induce inflammatory factors in endothelial cells under hypertensive conditions. Hypertens Res, 2016. 40(4): p. 353-360.*
413. *Ohigashi, M., et al., Pitavastatin Exhibits Protective Effects on Podocytes Accompanied by BMP-7 Up-Regulation and Rho Suppression. Pharmacology, 2016. 97(5-6): p. 265-76.*
414. *Nishihara, M., K. Takesue, and Y. Hirooka, Renal denervation enhances GABA-ergic input into the PVN leading to blood pressure lowering in chronic kidney disease. Autonomic Neuroscience, 2016.*
415. *Nakagawa, H., et al., Salt accelerates aldosterone-induced cardiac remodeling in the absence of guanylyl cyclase-A signaling. Life Sciences, 2016. 165: p. 9.*
416. *Nakagawa, A., et al., Activation of endothelial beta-catenin signaling induces heart failure. Sci Rep, 2016. 6(25009).*
417. *Nagai, Y., K. Nakanishi, and N. Yamanaka, Direct Renin Inhibitor is Better than Angiotensin II Receptor Blocker for Intrarenal Arterioles. Kidney & Blood Pressure Research, 2016. 41(5): p. 561.*
418. *Muta, K., et al., Curcumin ameliorates nephrosclerosis via suppression of histone acetylation independent of*

hypertension. Nephrol Dial Transplant, 2016. 2016(24).

419. *Miyake, T., et al., Soluble VEGF receptor 1 (sFLT1) induces non-apoptotic death in ovarian and colorectal cancer cells. Sci Rep, 2016. 6(24853).*
420. *Masuyama, H., et al., Dimethylesculetin ameliorates maternal glucose intolerance and fetal overgrowth in high-fat diet-fed pregnant mice via constitutive androstane receptor. Mol Cell Biochem, 2016. 419(1-2): p. 185-92.*
421. *Masuyama, H., et al., The effects of paternal high-fat diet exposure on offspring metabolism with epigenetic changes in the mouse adiponectin and leptin gene promoters. Am J Physiol Endocrinol Metab, 2016. 311(1): p. 31.*
422. *Ma, L., et al., Sirt1 is essential for resveratrol enhancement of hypoxia-induced autophagy in the type 2 diabetic nephropathy rat. Pathology - Research and Practice, 2016.*
423. *Lou, J., et al., Chlorogenic acid slows down proteinuria and renal fibrosis in 5/6-nephrectomized rats by anti-oxidation and inhibiting accumulation of extracellular matrix. 2016.*
424. *Liu, X., et al., ANTXR2 Knock-Out Does Not Result in the Development of Hypertension in Rats. Am J Hypertens, 2016. 30(2): p. 182-187.*
425. *Liu, J., et al., Acute restraint stress provokes sudden cardiac death in normotensive rats and enhances susceptibility to arrhythmogenic effects of adrenaline in spontaneously hypertensive rats. Leg Med, 2016. 21: p. 19-28.*
426. *Liu, G., et al., Pselectin increases angiotensin IIinduced cardiac inflammation and fibrosis via platelet activation. Mol Med Rep, 2016. 13(6): p. 5021-8.*
427. *Lin, B., et al., High-Fat-Diet Intake Enhances Cerebral Amyloid Angiopathy and Cognitive Impairment in a Mouse Model of Alzheimer's Disease, Independently of Metabolic Disorders. J Am Heart Assoc, 2016. 5(6): p. 003154.*
428. *Li-Sha, G., et al., Nicotine inhibits the production of proinflammatory cytokines of mice infected with coxsackievirus B3. LID - S0024-3205(16)30053-4 [pii] LID - 10.1016/j.lfs.2016.02.003 [doi]. Life Sci, 2016. 3205(16): p. 30053-4.*
429. *Li, T.T., et al., Whole Transcriptome Analysis of Hypertension Induced Cardiac Injury Using Deep Sequencing. Cell Physiol Biochem, 2016. 38(2): p. 670-682.*
430. *Li, Q., et al., Overexpression of microRNA-99a Attenuates Cardiac Hypertrophy. PLoS ONE, 2016. 11(2): p. 2016.*
431. *Li, P., et al., SGK1 inhibitor reverses hyperglycemia partly through decreasing glucose absorption. J Mol Endocrinol, 2016. 56(4): p. 301-9.*
432. *Li, G., et al., Co-expression changes of lncRNAs and mRNAs in the cervical sympathetic ganglia in diabetic cardiac autonomic neuropathic rats. J Neurosci Res, 2016.*
433. *Korai, M., et al., Hyperhomocysteinemia induced by excessive methionine intake promotes rupture of cerebral aneurysms in ovariectomized rats. J Neuroinflammation, 2016. 13(1): p. 016-0634.*
434. *Kohda, Y., et al., Streptozotocin-induced diabetic state triggers glucose-dependent insulinotropic polypeptide (GIP) expression in the rat liver. 2016. 3(6): p. 291-296.*
435. *Kikuchi, M., et al., Uremic Toxin-Producing Gut Microbiota in Rats with Chronic Kidney Disease. Nephron, 2016. 135(1): p. 51.*
436. *Kidokoro, K., et al., Feasibility of fluorescence energy transfer system for imaging the renoprotective effects of aliskiren in diabetic mice. J Renin Angiotensin Aldosterone Syst, 2016. 17(2): p. Apr-Jun.*
437. *Kawano, T., et al., The role of hippocampal insulin signaling on postoperative cognitive dysfunction in an aged rat model of abdominal surgery. Life Sciences, 2016. 162: p. 87-94.*
438. *Kato, K., et al., Different sensitivity to the suppressive effects of isoflurane anesthesia on cardiorespiratory function in SHR/Izm, WKY/Izm, and Crl:CD(SD) rats. Exp Anim, 2016. 2016: p. 10.*
439. *Karuppagounder, V., et al., Curcumin alleviates renal dysfunction and suppresses inflammation by shifting from M1 to M2 macrophage polarization in daunorubicin induced nephrotoxicity in rats. Cytokine, 2016. 84: p. 1-9.*
440. *Kaneko, M., et al., Toll-like receptor-2 has a critical role in periodontal pathogen-induced myocardial fibrosis in the pressure-overloaded murine hearts. Hypertension Research, 2016.*
441. *Kaneko, M., et al., AT1 receptor blocker azilsartan medoxomil normalizes plasma miR-146a and miR-342-3p in a murine heart failure model. Biomarkers, 2016. 11: p. 1-8.*
442. *Isobe, S., et al., Augmented circadian rhythm of the intrarenal renin-angiotensin systems in anti-thymocyte serum nephritis rats. Hypertens Res, 2016. 2016(7): p. 151.*
443. *Islam, M.Z., et al., Methylmercury affects cerebrovascular reactivity to angiotensin II and acetylcholine via Rho-kinase*

and nitric oxide pathways in mice. Life Sci, 2016. 147: p. 30-8.

444. *Ishibashi, Y., T. Matsui, and S.I. Yamagishi, Tofogliflozin, a selective inhibitor of sodium-glucose cotransporter 2, suppresses renal damage in KKAy/Ta mice, obese and type 2 diabetic animals. Diab Vasc Dis Res, 2016. 2016(12): p. 1479164116657304.*
445. *Ishibashi, Y., et al., Protective Role of PEDF-Derived Synthetic Peptide Against Experimental Diabetic Nephropathy. Horm Metab Res, 2016. 2016: p. 23.*
446. *Huo, Z.J., et al., Effect of electroacupuncture stimulation on expression of angiotensinogen, angiotensin II type 1 receptor, endothelin-1, and endothelin a receptor mRNA in spontaneously hypertensive rat aorta. Chin J Integr Med, 2016. 2016: p. 13.*
447. *Homma, T., et al., Heightened aggressive behavior in mice deficient in aldo-keto reductase 1a (Akr1a). Behav Brain Res, 2016. 319: p. 219-224.*
448. *Guo, Y., et al., The effect and mechanisms of folic acid complement in protecting myocardium and microvascular of type 2 diabetic rats. 2016.*
449. *Gong, P., et al., Curcumin improves LPS-induced preeclampsia-like phenotype in rat by inhibiting the TLR4 signaling pathway. Placenta, 2016. 41: p. 45-52.*
450. *Gao, Y., J. Yang, and S. Wang, Effects of telemetry implantation surgery on blood pressure and its underlying mechanism. Clin Exp Hypertens, 2016. 38(4): p. 359-64.*
451. *Fujii, H., et al., Anti-oxidative effect of AST-120 on kidney injury after myocardial infarction. Br J Pharmacol, 2016. 2016(11): p. 13417.*
452. *Ehrampoush, E., et al., Ability of dairy fat in inducing metabolic syndrome in rats. Springerplus, 2016. 5(1): p. 2020.*
453. *Duan, Q., et al., Inhibition of BET bromodomain attenuates angiotensin II induced abdominal aortic aneurysm in ApoE-/- mice. Int J Cardiol, 2016. 223: p. 428-432.*
454. *Deguchi, T., et al., Efficacy and safety of novel high-frequency multi-train stimulation for recording transcranial motor evoked potentials in a rat model. Journal of Clinical Monitoring & Computing, 2016: p. 1-6.*
455. *Chi, L., et al., Adipokine CTRP6 improves PPARγ activation to alleviate angiotensin II-induced hypertension and vascular endothelial dysfunction in spontaneously hypertensive rats. Biochemical & Biophysical Research Communications, 2016.*
456. *Chen, J., et al., Effect of foxtail millet protein hydrolysates on lowering blood pressure in spontaneously hypertensive rats. Eur J Nutr, 2016. 2016: p. 25.*
457. *Bendele, A., et al., Short communication: renal tubular vacuolation in animals treated with polyethylene-glycol-conjugated proteins. Toxicol Sci, 2016. 42(2): p. 152-7.*
458. *Araki, M., et al., Conditional Deletion of Smad1 Ameliorates Glomerular Injury in Progressive Glomerulonephritis. Sci Rep, 2016. 6(31216).*
459. *Akimoto, T., S. Hashimoto, and K. Sunada, Dexmedetomidine (12.5 mug/mL) improves tissue distribution, anesthetic action, and hemodynamic effects of lidocaine after palatal infiltration in rats. Odontology, 2016. 2015: p. 22.*
460. *Zhuhua, Z., et al., A novel mice model of metabolic syndrome: the high-fat-high-fructose diet-fed ICR mice. Experimental Animals, 2015. 64(4): p. 435-442.*
461. *Zhu, K., et al., NADPH oxidase NOX1 is involved in activation of protein kinase C and premature senescence in early stage diabetic kidney. Free Radical Biology and Medicine, 2015. 83: p. 21-30.*
462. *Zhao, Q., J. Zhang, and H. Wang, PGC-1α overexpression suppresses blood pressure elevation in DOCA-salt hypertensive mice. Bioscience Reports, 2015. 35(3): p. e00217.*
463. *Zhao, L.M., et al., The role of KCa3.1 channels in cardiac fibrosis induced by pressure overload in rats. Pflügers Archiv - European Journal of Physiology, 2015. 467(11): p. 1-11.*
464. *Zhang, Z., et al., Lesion of medullary catecholaminergic neurons is associated with cardiovascular dysfunction in rotenone-induced Parkinson's disease rats. European Journal of Neuroscience, 2015. 42(6): p. 2346-2355.*
465. *Zhang, Y., et al., Correlation between Echo-Tracking Parameters and In Vitro Measurements of Arterial Contraction and Relaxation in Rats Fed a High-Cholesterol Diet. Med Sci Monit, 2015. 21: p. 2933-42.*
466. *Zhang, Y., et al., Renin inhibitor aliskiren exerts beneficial effect on trabecular bone by regulating skeletal renin-angiotensin system and kallikrein-kinin system in ovariectomized mice. Osteoporos Int, 2015. 2015: p. 6.*

467. *Zhang, Y., et al., Inflammatory response and endothelial dysfunction in the hearts of mice co-exposed to SO , NO , and PM. Environ Toxicol, 2015. 2015(28): p. 22200.*
468. *Zhang, X., et al., Increased Oxidative DNA Damage in Placenta Contributes to Cadmium-Induced Preeclamptic Conditions in Rat. Biol Trace Elem Res, 2015. 170(1): p. 119-27.*
469. *Zhang, S., et al., Apigenin Attenuates Experimental Autoimmune Myocarditis by Modulating Th1/Th2 Cytokine Balance in Mice. Inflammation, 2015. 2015: p. 11.*
470. *Zhang, P., et al., Neuropeptide Y Stimulates Proliferation and Migration of Vascular Smooth Muscle Cells from Pregnancy Hypertensive Rats via Y1 and Y5 Receptors. PLoS ONE, 2015. 10(7): p. e0131124.*
471. *Zhang, G.H., et al., Poly(ADP-ribose)polymerase 1 inhibition protects against age-dependent endothelial dysfunction. Clin Exp Pharmacol Physiol, 2015. 42(12): p. 1266-74.*
472. *Zhang, D., et al., Glucocorticoid exposure in early placentation induces preeclampsia in rats via interfering trophoblast development. Gen Comp Endocrinol, 2015. 225: p. 61-70.*
473. *Zempo, H., et al., Cacao polyphenols ameliorate autoimmune myocarditis in mice. Hypertens Res, 2015. 2015(10): p. 136.*
474. *Zareian, M., et al., Production of a wheat-based fermented rice enriched with γ-amino butyric acid using Lactobacillus plantarum MNZ and its antihypertensive effects in spontaneously hypertensive rats. Journal of Functional Foods, 2015. 16: p. 194-203.*
475. *Yu, Z.L., et al., Tanshinone IIA Prevents Rat Basilar Artery Smooth Muscle Cells Proliferation by Inactivation of PDK1 During the Development of Hypertension. Journal of Cardiovascular Pharmacology & Therapeutics, 2015.*
476. *Yoshioka, K., et al., Sepiapterin prevents left ventricular hypertrophy and dilatory remodeling induced by pressure overload in rats. Am J Physiol Heart Circ Physiol, 2015. 309(10): p. 25.*
477. *Yatomi, Y., et al., Reduced proliferation and survival of oligodendrocyte progenitor cells in ischemic white matter lesions due to type 2 diabetes. Neuroscience, 2015. 289.*
478. *Yang, J., et al., Comparison of angiotensin-(1–7), losartan and their combination on atherosclerotic plaque formation in apolipoprotein E knockout mice. Atherosclerosis, 2015. 240(2): p. 544–549.*
479. *Yang, J., et al., Endogenous activated angiotensin-(1-7) plays a protective effect against atherosclerotic plaques unstability in high fat diet fed ApoE knockout mice. International Journal of Cardiology, 2015. 184: p. 645-652.*
480. *Yang, G., et al., Effective treatment of hypertension by recombinant Lactobacillus plantarum expressing angiotensin converting enzyme inhibitory peptide. Microb Cell Fact, 2015. 14(1): p. 015-0394.*
481. *Yabumoto, C., et al., Angiotensin II receptor blockade promotes repair of skeletal muscle through down-regulation of aging-promoting C1q expression. Sci Rep, 2015. 5(14453).*
482. *Xue, P., et al., Single Administration of Ultra-Low-Dose Lipopolysaccharide in Rat Early Pregnancy Induces TLR4 Activation in the Placenta Contributing to Preeclampsia. PLoS ONE, 2015. 10(4): p. e0124001.*
483. *Xiaojie, L., et al., Development of functional in vivo imaging of cerebral lenticulostriate artery using novel synchrotron radiation angiography. Physics in Medicine & Biology, 2015. 60(4): p. 1655-1665(11).*
484. *Wu, Y.H., et al., Role of adrenomedullin in the cerebrospinal fluid-contacting nucleus in the modulation of immobilization stress. Neuropeptides, 2015. 51: p. 43–54.*
485. *Watanabe, R., et al., Angiotensin II receptor blocker irbesartan attenuates cardiac dysfunction induced by myocardial infarction in the presence of renal failure. Hypertens Res, 2015. 2015(10): p. 141.*
486. *Watanabe, A., et al., Suppression of abdominal aortic aneurysm formation by AR-R17779, an agonist for the alpha7 nicotinic acetylcholine receptor. Atherosclerosis, 2015. 244: p. 113-20.*
487. *Wang, Z., et al., Prenatal nicotine exposure induces gender-associated left ventricular-arterial uncoupling in adult offspring. Molecular Medicine Reports, 2015. 12(1): p. 410-418.*
488. *Wang, W.W., et al., Telmisartan reduces atrial arrhythmia susceptibility through the regulation of RAS/ERK and PI3K/Akt/eNOS pathways in spontaneously hypertensive rats. Canadian Journal of Physiology & Pharmacology, 2015. 93.*
489. *Wang, B., et al., Overexpression of ANO1/TMEM16A, an arterial Ca 2 + -activated Cl − channel, contributes to spontaneous hypertension. Journal of Molecular & Cellular Cardiology, 2015. 82: p. 22-32.*
490. *Uetake, Y., et al., High-salt in addition to high-fat diet may enhance inflammation and fibrosis in liver steatosis*

induced by oxidative stress and dyslipidemia in mice. Lipids in Health & Disease, 2015. 14(1): p. 1-8.

491. *Tomoyasu, K., et al., Angiotensin II can directly induce mitochondrial dysfunction, decrease oxidative fiber number and induce atrophy in mouse hindlimb skeletal muscle. Experimental Physiology, 2015. 100(3): p. 312-322.*
492. *Tokutomi, F., et al., Porphyromonas gingivalis -induced alveolar bone loss is accelerated in the stroke-prone spontaneously hypertensive rat ☆. Archives of Oral Biology, 2015. 60(6): p. 911-918.*
493. *Tanada, Y., Branched-chain amino acids ameliorate heart failure with cardiac cachexia in rats. Life Sciences, 2015. 137 (2015) 20–27.*
494. *Takagaki, A. and F. Nanjo, Effects of Metabolites Produced from (-)-Epigallocatechin Gallate by Rat Intestinal Bacteria on Angiotensin I-Converting Enzyme Activity and Blood Pressure in Spontaneously Hypertensive Rats. J Agric Food Chem, 2015. 63(37): p. 8262-6.*
495. *Takada, S., et al., Sesamin prevents decline in exercise capacity and impairment of skeletal muscle mitochondrial function in mice with high-fat diet-induced diabetes. Exp Physiol, 2015. 100(11): p. 1319-30.*
496. *Sumiyoshi, M., et al., The accumulation of brain water-free sodium is associated with ischemic damage independent of the blood pressure in female rats. Brain Research, 2015. 26: p. 37–44.*
497. *Shirasuna, K., et al., NLRP3 Deficiency Improves Angiotensin II-Induced Hypertension But Not Fetal Growth Restriction During Pregnancy. Endocrinology, 2015. 156(11): p. 4281-92.*
498. *Shinohara, K., et al., Circulating angiotensin II deteriorates left ventricular function with sympathoexcitation via brain angiotensin II receptor. Physiol Rep, 2015. 3(8): p. 12514.*
499. *Shimizu, S., et al., Effect of Silodosin, an Alpha1A-Adrenoceptor Antagonist, on Ventral Prostatic Hyperplasia in the Spontaneously Hypertensive Rat. PLoS ONE, 2015. 10(8): p. 2015.*
500. *Shih, S.-L., et al., Effects of yam dioscorin interventions on improvements of the metabolic syndrome in high-fat diet-induced obese rats. Botanical Studies C7 - 4, 2015. 56(1): p. 1-9.*
501. *Shibata, M., P. Uangpairoj, and K.-I. Yamakoshi, Effects of Aging on Vascular Wall Elasticity in Human Digital Artery Analyzed by Photoplethysmographic Pulsations, in 6th European Conference of the International Federation for Medical and Biological Engineering. 2015, Springer International Publishing. p. 456-459.*
502. *Serizawa, K., et al., Epoetin beta pegol prevents endothelial dysfunction as evaluated by flow-mediated dilation in chronic kidney disease rats. Eur J Pharmacol, 2015. 767: p. 10-6.*
503. *Salim, H.M., et al., Dipeptidyl peptidase-4 inhibitor, linagliptin, ameliorates endothelial dysfunction and atherogenesis in normoglycemic apolipoprotein-E deficient mice. Vascul Pharmacol, 2015. 2015(13): p. 00197-4.*
504. *Peng, C., et al., Cellular repressor of E1A-stimulated gene overexpression in bone mesenchymal stem cells protects against rat myocardial infarction. International Journal of Cardiology, 2015. 183c: p. 232–241.*
505. *Nozaki, Y., et al., Signaling Rho-kinase mediates the inflammation and apoptosis on T-cell and renal tubules in nephrotoxicity. American Journal of Physiology Renal Physiology, 2015. 308(8).*
506. *Nakayama, A., et al., A Food-Derived Flavonoid Luteolin Protects against Angiotensin II-Induced Cardiac Remodeling. PLoS ONE, 2015. 10(9): p. 2015.*
507. *Nakano, S., et al., Hyperhomocysteinemia abrogates fasting-induced cardioprotection against ischemia/reperfusion by limiting bioavailability of hydrogen sulfide anions. Journal of Molecular Medicine, 2015: p. 1-11.*
508. *Nakamura, K., et al., Characterization of bioactive agents in five types of marketed sprouts and comparison of their antihypertensive, antihyperlipidemic, and antidiabetic effects in fructose-loaded SHRs. J Food Sci Technol, 2015. 53(1): p. 581-90.*
509. *Nagasu, H., et al., Activation of endothelial NAD(P)H oxidase accelerates early glomerular injury in diabetic mice. Lab Invest, 2015. 96(1): p. 25-36.*
510. *Mirdhayati, I., et al., Angiotensin converting enzyme (ACE) inhibitory and antihypertensive activities of protein hydrolysate from meat of Kacang goat (Capra aegagrus hircus). J Sci Food Agric, 2015. 2015(23): p. 7538.*
511. *Maeda, S., et al., DNA Aptamer Raised against Advanced Glycation End Products Prevents Abnormalities in Electroretinograms of Experimental Diabetic Retinopathy. Ophthalmic Res, 2015. 54(4): p. 175-80.*
512. *Luo, H., et al., Chronic NF-κB blockade improves renal angiotensin II type 1 receptor functions and reduces blood pressure in Zucker diabetic rats. Cardiovascular Diabetology, 2015. 14(1): p. 1-11.*
513. *Luo, H., et al., Oxidative Stress Causes Imbalance of Renal Renin Angiotensin System (RAS) Components and*

Hypertension in Obese Zucker Rats. Journal of the American Heart Association, 2015. 4(2).

514. *Lu, H.Y., et al., Dipeptidyl Peptidase-4 Inhibitor Decreases Abdominal Aortic Aneurysm Formation through GLP-1-Dependent Monocytic Activity in Mice. PLoS ONE, 2015. 10(4): p. e0121077.*
515. *Liu, Y., et al., Apocynin Attenuates Cardiac Injury in Type 4 Cardiorenal Syndrome via Suppressing Cardiac Fibroblast Growth Factor-2 With Oxidative Stress Inhibition. Journal of the American Heart Association: Cardiovascular and Cerebrovascular Disease, 2015. 4(7): p. e001598.*
516. *Liu, X., et al., The renal protective effects of induction of heme oxygenase-1 combined with increased adiponectin on the glomerular VEGF-NO axis in obese rats. Experimental Physiology, 2015.*
517. *Liu, X., et al., Irbesartan ameliorates diabetic cardiomyopathy by regulating protein kinase D and ER stress activation in a type 2 diabetes rat model. Pharmacological Research, 2015. 93c: p. 43–51.*
518. *Liu, W., et al., Gastrodin Reduces Blood Pressure by Intervening with RAAS and PPARgamma in SHRs. Evid Based Complement Alternat Med, 2015. 2015(828427): p. 26.*
519. *Liu, J., A. Hakucho, and T. Fujimiya, Angiotensinase C mRNA and Protein Downregulations Are Involved in Ethanol-Deteriorated Left Ventricular Systolic Dysfunction in Spontaneously Hypertensive Rats. Biomed Res Int, 2015. 2015(409350): p. 5.*
520. *Liu, H.-B., et al., Dietary salt regulates epithelial sodium channels in rat endothelial cells: adaptation of vasculature to salt. British Journal of Pharmacology, 2015. 172(23): p. 5634-5646.*
521. *Lin, Y.J., et al., Endothelin-1 exacerbates development of hypertension and atherosclerosis in modest insulin resistant syndrome. Biochemical & Biophysical Research Communications, 2015. 460(3): p. 497-503.*
522. *LIDA, T., et al., Pharmaceutical composition comprising candesartan or ester thereof and chlortalidone, and use thereof. 2015.*
523. *Li, W.B., et al., Silencing of activin receptor-like kinase 7 alleviates aortic stiffness in type 2 diabetic rats. Acta Diabetologica, 2015. 52(4): p. 717-726.*
524. *Kurokawa, T., et al., Underlying mechanisms of urine storage dysfunction in rats with salt-loading hypertension. Life Sci, 2015. 141: p. 8-12.*
525. *Kunimoto, H., et al., Chemerin promotes the proliferation and migration of vascular smooth muscle and increases mouse blood pressure. Am J Physiol Heart Circ Physiol, 2015. 309(5): p. 7.*
526. *Kozaki, Y., et al., Peripheral gene expression profile of mechanical hyperalgesia induced by repeated cold stress in SHRSP5/Dmcr rats. Journal of Physiological Sciences, 2015. 65: p. 1-9.*
527. *Keiji, T., et al., Roles of oxidative stress and the mineralocorticoid receptor in cardiac pathology in a rat model of metabolic syndrome. Nagoya Journal of Medical Science, 2015. 77(1-2): p. 275-289.*
528. *Kato, T., N. Mizuguchi, and A. Ito, Blood pressure, renal biochemical parameters and histopathology in an original rat model of essential hypertension (SHRSP/Kpo strain). Biomedical Research, 2015. 36(3): p. 169-77.*
529. *Jiang, Z., et al., A Role of sFlt-1 in Oxidative Stress and Apoptosis in Human and Mouse Pre-Eclamptic Trophoblasts. Biol Reprod, 2015. 93(3): p. 22.*
530. *Iwasaki, Y.K., et al., Importance of Pulmonary Vein Preferential Fibrosis for Atrial Fibrillation Promotion in Hypertensive Rat Hearts. Can J Cardiol, 2015. 2015(21): p. 01412-9.*
531. *Ishizaka, M., et al., Podocyte-specific deletion of Rac1 leads to aggravation of renal injury in STZ-induced diabetic mice. Biochem Biophys Res Commun, 2015. 467(3): p. 549-55.*
532. *Hosoo, S., et al., The Restorative Effects of Eucommia ulmoides Oliver Leaf Extract on Vascular Function in Spontaneously Hypertensive Rats. Molecules, 2015. 20(12): p. 21971-81.*
533. *Holmstrom, F., et al., Protective effect of hydroxyfasudil, a Rho kinase inhibitor, on ventral prostatic hyperplasia in the spontaneously hypertensive rat. Prostate, 2015. 75(15): p. 1774-82.*
534. *Hirata, M., et al., Epoetin beta pegol alleviates oxidative stress and exacerbation of renal damage from iron deposition, thereby delaying CKD progression in progressive glomerulonephritis rats. Physiol Rep, 2015. 3(12): p. 12637.*
535. *He, Y.M., et al., Yiqi Huaju formula, a Chinese herbal medicine, reduces arterial pressure in saltsensitive hypertension by inhibiting reninangiotensin system activation. Mol Med Rep, 2015. 12(4): p. 5321-7.*
536. *Hayakawa, Y., et al., High Salt Intake Damages the Heart through Activation of Cardiac (Pro) Renin Receptors Even at an Early Stage of Hypertension. PLoS ONE, 2015. 10(3): p. e0120453.*

537. *Hara, T., et al., Rivaroxaban, a novel oral anticoagulant, attenuates atherosclerotic plaque progression and destabilization in ApoE-deficient mice. Atherosclerosis, 2015. 242(2): p. 639-646.*
538. *Hao, P., et al., Combination of angiotensin-(1-7) with perindopril is better than single therapy in ameliorating diabetic cardiomyopathy. Scientific Reports, 2015. 5.*
539. *Han, Y., et al., Rutin ameliorates renal fibrosis and proteinuria in 5/6-nephrectomized rats by anti-oxidation and inhibiting activation of TGFβ1-smad signaling. International Journal of Clinical and Experimental Pathology, 2015. 8(5): p. 4725-4734.*
540. *Han, H., et al., p-Cresyl Sulfate Aggravates Cardiac Dysfunction Associated With Chronic Kidney Disease by Enhancing Apoptosis of Cardiomyocytes. Journal of the American Heart Association: Cardiovascular and Cerebrovascular Disease, 2015. 4(6): p. e001852.*
541. *Gouraud, S.S., et al., Altered neurotrophic factors' expression profiles in the nucleus of the solitary tract of spontaneously hypertensive rats. Acta Physiol, 2015. 216(3): p. 346-357.*
542. *Gan, C., et al., Effects of synthetic colloid and crystalloid solutions on hemorheology in vitro and in hemorrhagic shock. European Journal of Medical Research, 2015. 20(1): p. 1-8.*
543. *Fan, Y., et al., Spontaneous white matter lesion in brain of stroke-prone renovascular hypertensive rats: a study from MRI, pathology and behavior. Metab Brain Dis, 2015. 30(6): p. 1479-86.*
544. *Chen, X., et al., Inhibition of MEF2A prevents hyperglycemia-induced extracellular matrix accumulation by blocking Akt and TGF-beta1/Smad activation in cardiac fibroblasts. Int J Biochem Cell Biol, 2015. 69: p. 52-61.*
545. *Chen, J., et al., Grass carp peptides hydrolysed by the combination of Alcalase and Neutrase: Angiotensin-I converting enzyme (ACE) inhibitory activity, antioxidant activities and physicochemical profiles. International Journal of Food Science & Technology, 2015. 51(2): p. 499-508.*
546. *Broekmans, K., et al., Angiotensin II-Induced Hypertension Is Attenuated by Reduction of Sympathetic Output in NO-Sensitive Guanylyl Cyclase 1 Knockout Mice. J Pharmacol Exp Ther, 2015. 356(1): p. 191-9.*
547. *Beidi, L., et al., Therapeutic efficacy of valproic acid in a combined monocrotaline and chronic hypoxia rat model of severe pulmonary hypertension. PLoS ONE, 2015. 10(1): p. e0117211-e0117211.*
548. *Aritomi, S., et al., Comparison of the cardioprotective and renoprotective effects of the L/N-type calcium channel blocker, cilnidipine, in adriamycin-treated spontaneously hypertensive rats. Clinical & Experimental Pharmacology & Physiology, 2015. 42(4): p. 344-352.*
549. *Arai, K., H. Tsuruoka, and T. Homma, CS-3150, a novel non-steroidal mineralocorticoid receptor antagonist, prevents hypertension and cardiorenal injury in Dahl salt-sensitive hypertensive rats. Eur J Pharmacol, 2015. 769: p. 266-73.*
550. *Arai, K., et al., Pharmacological profile of CS-3150, a novel, highly potent and selective non-steroidal mineralocorticoid receptor antagonist. European Journal of Pharmacology, 2015. 761: p. 226-234.*
551. *Zou, G., et al., TRPC1, CaN and NFATC3 signaling pathway in the pathogenesis and progression of left ventricular hypertrophy in spontaneously hypertensive rats. Clin Exp Hypertens, 2014. 1: p. 1-12.*
552. *Zhu, J., Y. Zhang, and C. Yang, Protective effect of 3-n-butylphthalide against hypertensive nephropathy in spontaneously hypertensive rats. Mol Med Rep, 2014. 2014(27): p. 2791.*
553. *Zhu, J., et al., Retinoid X Receptor Agonists Inhibit Hypertension-Induced Myocardial Hypertrophy by Modulating LKB1/AMPK/p70S6K Signaling Pathway. Am J Hypertens, 2014. 2014: p. 6.*
554. *Zhou, W., et al., Mechanisms of improved aortic stiffness by arotinolol in spontaneously hypertensive rats. PLoS ONE, 2014. 9(2): p. 2014.*
555. *Zhao, W., et al., Atg5 deficiency-mediated mitophagy aggravates cardiac inflammation and injury in response to angiotensin II. Free Radic Biol Med, 2014. 2014(10): p. 108-115.*
556. *Zhang, X., et al., Ultrafine carbon black attenuates the antihypertensive effect of captopril in spontaneously hypertensive rats. Inhalation Toxicology, 2014. 26(14): p. 853-860.*
557. *Zhang, J., et al., Study of baicalin on sympathoexcitation induced by myocardial ischemia via P2X receptor in superior cervical ganglia. Auton Neurosci, 2014. 0702(14): p. 00206-9.*
558. *Zhang, C., et al., Antagonist of C5aR Prevents Cardiac Remodeling in Angiotensin II-Induced Hypertension. Am J Hypertens, 2014. 2014: p. 13.*
559. *Zempo, H., et al., A P2X7 receptor antagonist attenuates experimental autoimmune myocarditis via suppressed*

myocardial CD4 T and macrophage infiltration and NADPH oxidase 2/4 expression in mice. Heart Vessels, 2014. 2014: p. 31.

560. *Yunoki, T., et al., Anti-oxidative nutrient rich diet protects against acute ischemic brain damage in rats. Brain Res, 2014. 8993(14): p. 01132-9.*
561. *Yokoi, T., et al., Suppression of cerebral aneurysm formation in rats by a tumor necrosis factor-alpha inhibitor. J Neurosurg, 2014. 120(5): p. 1193-200.*
562. *Yeh, J.C., et al., A rat model of thrombosis in common carotid artery induced by implantable wireless light-emitting diode device. Biomed Res Int, 2014. 2014(724134): p. 19.*
563. *Yatabe, M., et al., Effects of renal Na+/Ca2+ exchanger 1 inhibitor (SEA0400) treatment on electrolytes, renal function and hemodynamics in rats. Clinical and Experimental Nephrology, 2014: p. 1-6.*
564. *Yang, L., et al., Exercise Protects against Chronic beta-Adrenergic Remodeling of the Heart by Activation of Endothelial Nitric Oxide Synthase. PLoS ONE, 2014. 9(5): p. 2014.*
565. *Yan, J., et al., Long-term effects of maternal diabetes on blood pressure and renal function in rat male offspring. PLoS ONE, 2014. 9(2): p. 2014.*
566. *Yamanaka, K., et al., Persistent release of IL-1s from skin is associated with systemic cardio-vascular disease, emaciation and systemic amyloidosis: the potential of anti-IL-1 therapy for systemic inflammatory diseases. PLoS ONE, 2014. 9(8): p. 2014.*
567. *Xu, Z., et al., Preeclampsia is associated with a deficiency of lipoxin A4, an endogenous anti-inflammatory mediator. Fertil Steril, 2014. 0282(14): p. 00311-2.*
568. *Wu, Y., et al., The nutritional composition and anti-hypertensive activity on spontaneously hypertensive rats of sipuncula Phascolosoma esculenta. Food Funct, 2014. 5(9): p. 2317-23.*
569. *Wu, H., et al., Regulation of apelin and its receptor expression in adipose tissues of obesity rats with hypertension and cultured 3T3-L1 adipocytes. Exp Anim, 2014. 63(2): p. 257-67.*
570. *Watanabe, Y., et al., Adiponectin ameliorates endotoxin-induced acute cardiac injury. Biomed Res Int, 2014. 2014(382035): p. 10.*
571. *Watanabe, K., et al., Methylglyoxal (MG) and cerebro-renal interaction: does long-term orally administered MG cause cognitive impairment in normal Sprague-Dawley rats? Toxins, 2014. 6(1): p. 254-69.*
572. *Wang, Z., et al., Synthesis and anti-hypertensive effects of the twin drug of nicotinic acid and quercetin tetramethyl ether. Molecules, 2014. 19(4): p. 4791-801.*
573. *Wang, Y., et al., TNF-alpha and IL-1beta Neutralization Ameliorates Angiotensin II-Induced Cardiac Damage in Male Mice. Endocrinology, 2014. 2014(30).*
574. *Wang, X., et al., Effects of hesperidin on the progression of hypercholesterolemia and fatty liver induced by high-cholesterol diet in rats. J Pharmacol Sci, 2014. 117(3): p. 129-38.*
575. *Wang, W., et al., Rapamycin ameliorates inflammation and fibrosis in the early phase of cirrhotic portal hypertension in rats through inhibition of mTORC1 but not mTORC2. PLoS ONE, 2014. 9(1): p. 2014.*
576. *Wang, F., et al., Preeclampsia induced by cadmium in rats is related to abnormal local glucocorticoid synthesis in placenta. Reprod Biol Endocrinol, 2014. 12(77): p. 1477-7827.*
577. *Wang, A.W., et al., Baicalein Attenuates Angiotensin II-Induced Cardiac Remodeling via Inhibition of AKT/mTOR, ERK1/2, NF-kappaB, and Calcineurin Signaling Pathways in Mice. Am J Hypertens, 2014. 2014(31).*
578. *Tsubone, H., et al., Agaricus brasiliensis KA21 Improves Circulatory Functions in Spontaneously Hypertensive Rats. J Med Food, 2014. 2014: p. 16.*
579. *Tran, H.B., et al., Hypotensive effects and angiotensin-converting enzyme inhibitory peptides of reishi (Ganoderma lingzhi) auto-digested extract. Molecules, 2014. 19(9): p. 13473-85.*
580. *Terami, N., et al., Long-term treatment with the sodium glucose cotransporter 2 inhibitor, dapagliflozin, ameliorates glucose homeostasis and diabetic nephropathy in db/db mice. PLoS ONE, 2014. 9(6): p. 2014.*
581. *Tashiro, Y., et al., Nicorandil suppresses urinary protein excretion and activates eNOS in Dahl salt-sensitive hypertensive rats. Clin Exp Nephrol, 2014. 2014: p. 22.*
582. *Tanimoto, K., et al., A mouse renin distal enhancer is essential for blood pressure homeostasis in BAC-rescued renin-null mutant mice. J Recept Signal Transduct Res, 2014. 2014: p. 15.*

583. *Takayanagi, K., et al., Down-regulation of transient receptor potential (TRP) M6 channel as a cause of hypermagnesiuric hypomagnesemia in obese type-2 diabetic rats. Am J Physiol Renal Physiol, 2014. 2014(17): p. 2013.*
584. *Takakura, K., et al., Antiproteinuric effect of pirfenidone in a rat model of anti-glomerular basement membrane glomerulonephritis. Eur J Pharmacol, 2014. 2999(14): p. 015.*
585. *Takai, S., et al., Chymase inhibition improves vascular dysfunction and survival in stroke-prone spontaneously hypertensive rats. J Hypertens, 2014. 32(8): p. 1637-48.*
586. *Takai, K., et al., Structure-based optimization of cyclopropyl urea derivatives as potent soluble epoxide hydrolase inhibitors for potential decrease of renal injury without hypotensive action. Bioorg Med Chem, 2014. 22(5): p. 1548-57.*
587. *TAKAHASHI, K., PREMATURE CARDIAC SENESCENCE IN DahlS.Z-Leprfa/Leprfa RATS AS A NEW ANIMAL MODEL OF METABOLIC SYNDROME. Nagoya J. Med. Sci, 2014. 76: p. 35-49.*
588. *Suzuki, H., et al., Arachidonate 12/15-Lipoxygenase-Induced Inflammation and Oxidative Stress Are Involved in the Development of Diabetic Cardiomyopathy. Diabetes, 2014. 2014(3).*
589. *Sunagawa, K., et al., Goat Meat Does Not Cause Increased Blood Pressure. Asian Australas. J. Anim. Sci., 2014.*
590. *Su, Z., et al., Salt-induced changes in cardiac phosphoproteome in a rat model of chronic renal failure. PLoS ONE, 2014. 9(6): p. 2014.*
591. *Shintani-Ishida, K., et al., MDMA induces cardiac contractile dysfunction through autophagy upregulation and lysosome destabilization in rats. Biochim Biophys Acta, 2014. 2014(31): p. 691-700.*
592. *Shimizu, S., et al., Effect of an angiotensin II receptor blocker and a calcium channel blocker on hypertension associated penile dysfunction in a rat model. Biomedical Research, 2014. 35(3): p. 215-221.*
593. *Shimizu, S., et al., Olmesartan ameliorates urinary dysfunction in the spontaneously hypertensive rat via recovering bladder blood flow and decreasing oxidative stress. Neurourology and Urodynamics, 2014. 33(3): p. 350-357.*
594. *Seto, T., C. Hamada, and Y. Tomino, Suppressive effects of iron overloading on vascular calcification in uremic rats. J Nephrol, 2014. 2014: p. 6.*
595. *Sakamoto, S., et al., Impact of age-dependent adventitia inflammation on structural alteration of abdominal aorta in hyperlipidemic mice. PLoS ONE, 2014. 9(8): p. 2014.*
596. *Saito, M., et al., Prostatic ischemia induces ventral prostatic hyperplasia in the SHR; possible mechanism of development of BPH. Sci Rep, 2014. 4(3822).*
597. *Ren, X.P., et al., Allogeneic Head and Body Reconstruction: Mouse Model. CNS Neurosci Ther, 2014. 2014(4): p. 12341.*
598. *Qu, Q., et al., 4-Hydroxychalcone attenuates hyperaldosteronism, inflammation, and renal injury in cryptochrome-null mice. Biomed Res Int, 2014. 2014(603415): p. 9.*
599. *Qian, B., et al., Chemical composition, angiotensin-converting enzyme-inhibitory activity and antioxidant activities of few-flower wild rice (Zizania latifolia Turcz.). J Sci Food Agric, 2014. 92(1): p. 159-64.*
600. *Park, J.S., et al., Effects of dietary salt restriction on renal progression and interstitial fibrosis in adriamycin nephrosis. Kidney Blood Press Res, 2014. 39(1): p. 86-96.*
601. *Omote, Y., et al., Synergistic neuroprotective effects of combined treatment with olmesartan plus azelnidipine in stroke-prone spontaneously hypertensive rats. J Neurosci Res, 2014. 2014(20): p. 23406.*
602. *OHTAKE, M., GLUCOCORTICOIDS ACTIVATE CARDIAC MINERALOCORTICOID RECEPTORS IN ADRENALECTOMIZED DAHL SALT-SENSITIVE RATS. Nagoya J. Med. Sci, 2014. 76: p. 59-72.*
603. *Odagiri, F., et al., Effects of candesartan on electrical remodeling in the hearts of inherited dilated cardiomyopathy model mice. PLoS ONE, 2014. 9(7): p. 2014.*
604. *Oda, K., et al., Further evidence that a new type of Japanese pickles reduce the blood pressure of spontaneously hypertensive rats. Biosci Biotechnol Biochem, 2014. 27: p. 1-7.*
605. *Oda, K., et al., Bio-functional pickles that reduce blood pressure of rats. Biosci Biotechnol Biochem, 2014. 78(5): p. 882-90.*
606. *Niwa, M., et al., IRAP deficiency attenuates diet-induced obesity in mice through increased energy expenditure. Biochem Biophys Res Commun, 2014. 2014(19): p. 02253-0.*

607. *Nagayama, T., et al., Blockade of Brain Angiotensin II Type 1 Receptor Inhibits the Development of Atrial Fibrillation in Hypertensive Rats. Am J Hypertens, 2014. 2014(28).*
608. *Nagasawa, K., et al., Comparative effects of valsartan in combination with cilnidipine or amlodipine on cardiac remodeling and diastolic dysfunction in Dahl salt-sensitive rats. Hypertens Res, 2014. 2014(11): p. 136.*
609. *Nagai, T., M. Kanasaki, and S.P. Srivastava, N-acetyl-seryl-aspartyl-lysyl-proline inhibits diabetes-associated kidney fibrosis and endothelial-mesenchymal transition. 2014.*
610. *Murakami, M., et al., Inhalation anesthesia is preferable for recording rat cardiac function using an electrocardiogram. Biol Pharm Bull, 2014. 37(5): p. 834-9.*
611. *Matsuura, N., et al., Effects of pioglitazone on cardiac and adipose tissue pathology in rats with metabolic syndrome. International Journal of Cardiology, 2014. 179(0): p. 360-369.*
612. *Matsushima, A., et al., Effects of Acute and Chronic Boysenberry Intake on Blood Pressure and Endothelial Function in Spontaneous Hypertensive Rats. Journal of Nutritional Science and Vitaminology, 2014. 60(1): p. 43-51.*
613. *Matsumoto, S., et al., Azilsartan, an angiotensin II type 1 receptor blocker, restores endothelial function by reducing vascular inflammation and by increasing the phosphorylation ratio Ser(1177)/Thr(497) of endothelial nitric oxide synthase in diabetic mice. Cardiovasc Diabetol, 2014. 13(30): p. 1475-2840.*
614. *Matsui, T., et al., Pigment Epithelium-Derived Factor Improves Metabolic Derangements and Ameliorates Dysregulation of Adipocytokines in Obese Type 2 Diabetic Rats. Am J Pathol, 2014. 9440(14): p. 00068-6.*
615. *Masuyama, H. and Y. Hiramatsu, Additive effects of maternal high fat diet during lactation on mouse offspring. PLoS ONE, 2014. 9(3): p. 2014.*
616. *Manzel, A., et al., Angiotensin IV is Induced in Experimental Autoimmune Encephalomyelitis but Fails to Influence the Disease. J Neuroimmune Pharmacol, 2014. 2014: p. 23.*
617. *Machino, T., et al., Anti-hypertensive effect of radiofrequency renal denervation in spontaneously hypertensive rats. Life Sci, 2014. 110(2): p. 86-92.*
618. *Ma, L., et al., Anti-peroxynitrite treatment ameliorated vasorelaxation of resistance arteries in aging rats: involvement with NO-sGC-cGKs pathway. PLoS ONE, 2014. 9(8): p. 2014.*
619. *Ma, F., et al., The requirement of CD8+ T cells to initiate and augment acute cardiac inflammatory response to high blood pressure. J Immunol, 2014. 192(7): p. 3365-73.*
620. *Liu, H., et al., Role of the cerebrospinal fluid-contacting nucleus in the descending inhibition of spinal pain transmission. Exp Neurol, 2014. 261: p. 475-85.*
621. *Liu, C.F., et al., Adventitial gene transfer of catalase attenuates angiotensin II-induced vascular remodeling. Mol Med Rep, 2014. 2014(10): p. 3069.*
622. *Lin, B., et al., Glycemic control with empagliflozin, a novel selective SGLT2 inhibitor, ameliorates cardiovascular injury and cognitive dysfunction in obese and type 2 diabetic mice. Cardiovasc Diabetol, 2014. 13(1): p. 148.*
623. *Li, X.P., et al., Identification of Potential Biomarkers for Artificial Cold Exposure-induced Hypertensive Stroke by Proteomic Analysis. J Stroke Cerebrovasc Dis, 2014. 3057(14): p. 00296-1.*
624. *Li, S.B., et al., Differing chemical compositions of three teas may explain their different effects on acute blood pressure in spontaneously hypertensive rats. J Sci Food Agric, 2014. 2014(10): p. 6811.*
625. *Li, P., et al., In vitro and in vivo ACE inhibitory of pistachio hydrolysates and in silico mechanism of identified peptide binding with ACE. Process Biochemistry, 2014(0).*
626. *Li, N., et al., Activation of the cardiac proteasome promotes angiotension II-induced hypertrophy by down-regulation of ATRAP. J Mol Cell Cardiol, 2014. 2014(16): p. 303-314.*
627. *Kuwahara, M., et al., Cardiac remodeling associated with protein increase and lipid accumulation in early-stage chronic kidney disease in rats. Biochim Biophys Acta, 2014. 4439(14): p. 00113-6.*
628. *Kudo-Sakamoto, Y., et al., Calpain-dependent cleavage of N-cadherin is involved in the progression of post-myocardial infarction remodeling. J Biol Chem, 2014. 289(28): p. 19408-19.*
629. *Kowaka, E., et al., Field trial of GABA-fortified rice plants and oral administration of milled rice in spontaneously hypertensive rats. Transgenic Res, 2014. 2014: p. 27.*
630. *Kondo, M., et al., Renoprotective effects of novel interleukin-1 receptor-associated kinase 4 inhibitor AS2444697 through anti-inflammatory action in 5/6 nephrectomized rats. Naunyn Schmiedebergs Arch Pharmacol, 2014. 387(10):*

p. 909-19.

631. *Kondo, K., et al., Trans-fatty acid promotes thrombus formation in mice by aggravating anti-thrombogenic endothelial functions via toll-like receptors. Mol Nutr Food Res, 2014. 2014(25): p. 201400537.*
632. *Kitada, K., et al., Hyperglycemia causes cellular senescence via a SGLT2- and p21-dependent pathway in proximal tubules in the early stage of diabetic nephropathy. J Diabetes Complications, 2014. 28(5): p. 604-11.*
633. *Kim, Y.H., et al., NAD(P)H:Quinone Oxidoreductase 1 Activation Reduces Blood Pressure Through Regulation of Endothelial Nitric Oxide Synthase Acetylation in Spontaneously Hypertensive Rats. Am J Hypertens, 2014. 2014(20).*
634. *Katsuda, Y., et al., Effects of unilateral nephrectomy on renal function in male Spontaneously Diabetic Torii fatty rats: a novel obese type 2 diabetic model. J Diabetes Res, 2014. 2014(363126): p. 10.*
635. *Katsuda, Y., et al., Physiological changes induced by salt intake in female Spontaneously Diabetic Torii-Lepr (SDT fatty) rat, a novel obese type 2 diabetic model. Anim Sci J, 2014. 2014(27): p. 12191.*
636. *Kashihara, T., et al., β2-Adrenergic and M2-muscarinic receptors decrease basal t-tubular L-type Ca2+ channel activity and suppress ventricular contractility in heart failure. European Journal of Pharmacology, 2014. 724(0): p. 122-131.*
637. *Kanasaki, K., et al., Linagliptin-mediated DPP-4 inhibition ameliorates kidney fibrosis in streptozotocin-induced diabetic mice by inhibiting endothelial-to-mesenchymal transition in a therapeutic regimen. Diabetes, 2014. 2014: p. 26.*
638. *Jin, J., et al., Development of a selective S1P receptor agonist, Syl930, as a potential therapeutic agent for autoimmune encephalitis. Biochem Pharmacol, 2014. 2952(14): p. 00234-2.*
639. *Izawa, K., et al., Impaired Glutathione Redox System Paradoxically Suppresses Angiotensin II-Induced Vascular Remodeling. PLoS ONE, 2014. 9(10): p. 2014.*
640. *Ito, H., et al., Long-term caloric restriction in rats may prevent age-related impairment of in vitro bladder function. J Urol, 2014(0).*
641. *Ishizawa, K., et al., Nitrosonifedipine ameliorates the progression of type 2 diabetic nephropathy by exerting antioxidative effects. PLoS ONE, 2014. 9(1): p. 2014.*
642. *Ingawa, K., et al., Alteration of the systemic and microcirculation by a single oral dose of flavan-3-ols. PLoS ONE, 2014. 9(4): p. 2014.*
643. *Inami, Y., et al., Effect of AST-120 on Endothelial Dysfunction in Adenine-Induced Uremic Rats. Int J Nephrol, 2014. 2014(164125): p. 14.*
644. *Imanishi, M., et al., Smooth muscle cell-specific Hif-1alpha deficiency suppresses angiotensin II-induced vascular remodelling in mice. Cardiovasc Res, 2014. 102(3): p. 460-8.*
645. *Ichikawa, D., et al., Human Liver-Type Fatty Acid Binding Protein Protects Against Tubulointerstitial Injury in Aldosterone Induced Renal Injury. Am J Physiol Renal Physiol, 2014. 2014(22): p. 2014.*
646. *Heiden, S., et al., Vascular endothelium derived endothelin-1 is required for normal heart function after chronic pressure overload in mice. PLoS ONE, 2014. 9(2): p. 2014.*
647. *Hasegawa, Y., et al., Therapy with the Combination of Amlodipine and Irbesartan Has Persistent Preventative Effects on Stroke Onset Associated with BDNF Preservation on Cerebral Vessels in Hypertensive Rats. Transl Stroke Res, 2014. 2014: p. 23.*
648. *Han, C.H., et al., Antioxidant activities of the synthesized thiol-contained peptides derived from computer-aided pepsin hydrolysis of yam tuber storage protein, dioscorin. Food Chem, 2014. 138(2-3): p. 923-30.*
649. *Guo, X.F. and X.J. Yang, Endoplasmic reticulum stress response in spontaneously hypertensive rats is affected by myocardial ischemia reperfusion injury. Exp Ther Med, 2014. 9(2): p. 319-326.*
650. *Furuse, S.U., et al., Galacto-oligosaccharides attenuate renal injury with microbiota modification. Physiol Rep, 2014. 2(7): p. 1.*
651. *Fukuda, M., et al., Exacerbation of Intracranial Aneurysm and Aortic Dissection in Hypertensive Rat Treated With the Prostaglandin F-Receptor Antagonist AS604872. J Pharmacol Sci, 2014. 2014: p. 23.*
652. *Fujishima, Y., et al., Effect of adiponectin on cardiac beta-catenin signaling pathway under angiotensin II infusion. Biochem Biophys Res Commun, 2014. 444(2): p. 224-9.*
653. *Fuentes, E., et al., Inhibition of platelet activation and thrombus formation by adenosine and inosine: studies on their*

relative contribution and molecular modeling. PLoS ONE, 2014. 9(11): p. 2014.

654. *Fan, Y., et al., Effect of extractions from Stapf on hyperlipidemia in mice. Exp Ther Med, 2014. 9(2): p. 619-625.*
655. *Du, C.K., D.Y. Zhan, and S. Morimoto, In vivo effects of propyl gallate, a novel Ca(2+) sensitizer, in a mouse model of dilated cardiomyopathy caused by cardiac troponin T mutation. Life Sci, 2014. 109(1): p. 15-9.*
656. *Dou, J., et al., Osteocalcin attenuates high fat diet-induced impairment of endothelium-dependent relaxation through Akt/eNOS-dependent pathway. Cardiovasc Diabetol, 2014. 13(74): p. 1475-2840.*
657. *Doi, T., et al., Mizoribine ameliorates renal injury and hypertension along with the attenuation of renal caspase-1 expression in aldosterone-salt-treated rats. PLoS ONE, 2014. 9(4): p. 2014.*
658. *Ding, W.Y., et al., FP-receptor gene silencing ameliorates myocardial fibrosis and protects from diabetic cardiomyopathy. J Mol Med, 2014. 2014: p. 7.*
659. *Bao, L., et al., Effects of grape seed proanthocyanidin extract on renal injury in type 2 diabetic rats. Mol Med Rep, 2014. 11(1): p. 645-52.*
660. *Zou, P., et al., Purification, Identification, and In Vivo Activity of Angiotensin I-Converting Enzyme Inhibitory Peptide, from Ribbonfish (Trichiurus haumela) Backbone. J Food Sci, 2013. 79(1): p. 1750-3841.*
661. *Zheng, Y.H., et al., Notch gamma-Secretase Inhibitor Dibenzazepine Attenuates Angiotensin II-Induced Abdominal Aortic Aneurysm in ApoE Knockout Mice by Multiple Mechanisms. PLoS ONE, 2013. 8(12): p. 2013.*
662. *Zhang, X.Y., et al., Induction of thoracic aortic remodeling by endothelial-specific deletion of microRNA-21 in mice. PLoS ONE, 2013. 8(3): p. 18.*
663. *Zhang, L., et al., Generation and Primary Phenotypes of Imidazoline Receptor Antisera-Selected (IRAS) Knockout Mice. 2013: CNS Neurosci Ther. 2013 Dec;19(12):978-81. doi: 10.1111/cns.12192. Epub 2013 Nov 4.*
664. *Zeng, Y., N. Wang, and W. Qian, Production of Angiotensin I Converting Enzyme Inhibitory Peptides from Peanut Meal Fermented with Lactic Acid Bacteria and Facilitated with Protease. 2013.*
665. *Yoshihara, D., et al., Telmisartan ameliorates fibrocystic liver disease in an orthologous rat model of human autosomal recessive polycystic kidney disease. PLoS ONE, 2013. 8(12): p. 0081480.*
666. *Yasuno, K., et al., Development of Podocyte Injuries in Osborne-Mendel Rats is Accompanied by Reduced Expression of Podocyte Proteins. J Comp Pathol, 2013. 9975(13): p. 00029-7.*
667. *Yang, Q., Y. He, and W. Wang, The protective effect of Liu-Wei-Di-Huang-Fang in salt-sensitive hypertension rats. Clin Exp Hypertens, 2013. 2013: p. 28.*
668. *Yang, P., et al., Angiotensin l converting enzyme inhibitory activity and antihypertensive effect in spontaneously hypertensive rats of cobia (Rachycentron canadum) head papain hydrolysate. Food Sci Technol Int, 2013. 2013: p. 20.*
669. *Yang, J., et al., Cardiac-specific overexpression of farnesyl pyrophosphate synthase induces cardiac hypertrophy and dysfunction in mice. Cardiovasc Res, 2013. 97(3): p. 490-9.*
670. *Yang, D., et al., An Integrated Stroke Model with a Consistent Penumbra for the Assessment of Neuroprotective Interventions. European Neurology, 2013. 71(1-2): p. 4-18.*
671. *Yamada, Y., et al., Effect of thrombomodulin on the development of monocrotaline-induced pulmonary hypertension. J Anesth, 2013. 2013: p. 2.*
672. *Wen, Z.Z., et al., Angiotensin II Receptor Blocker Attenuates Intrarenal Renin-Angiotensin-System and Podocyte Injury in Rats with Myocardial Infarction. PLoS ONE, 2013. 8(6): p. 2013.*
673. *Wen, Z., et al., Protection of Renal Impairment by Angiotensin II Type 1 Receptor Blocker in Rats with Post-Infarction Heart Failure. Ren Fail, 2013. 35(5): p. 766-75.*
674. *Watanabe, A., et al., Suppression of abdominal aortic aneurysm formation by inhibition of prolyl hydroxylase domain protein through attenuation of inflammation and extracellular matrix disruption. Clin Sci, 2013. 2013: p. 21.*
675. *Watabe, T., et al., Quantitative Evaluation of Cerebral Blood Flow and Oxygen Metabolism in Normal Anesthetized Rats: 15O-Labeled Gas Inhalation PET with MRI Fusion. J Nucl Med, 2013. 54(2): p. 283-90.*
676. *Wang, L., et al., Inhibition of Toll-Like receptor 2 reduces cardiac fibrosis by attenuating macrophage-mediated inflammation. Cardiovascular Research, 2013.*
677. *Vazquez-Medina, J.P., et al., Angiotensin receptor-mediated oxidative stress is associated with impaired cardiac redox signaling and mitochondrial function in insulin-resistant rats. Am J Physiol Heart Circ Physiol, 2013. 305(4): p. 14.*
678. *Vazquez-Medina, J.P., et al., Angiotensin Receptor Mediated Oxidative Stress Is Associated with Impaired Cardiac*

Redox Signaling and Mitochondrial Function in Insulin Resistant Rats. Am J Physiol Heart Circ Physiol, 2013. 2013: p. 14.

679. *Tu, G., et al., P2X inhibition in stellate ganglia prevents the increased sympathoexcitatory reflex via sensory-sympathetic coupling induced by myocardial ischemic injury. Brain Res Bull, 2013. 9230(13): p. 00079-8.*
680. *Tsai, S.H., et al., Zoledronate attenuates angiotensin II-induced abdominal aortic aneurysm through inactivation of Rho/ROCK-dependent JNK and NF-kappaB pathway. Cardiovasc Res, 2013. 100(3): p. 501-10.*
681. *Teramoto, S., et al., Human-derived physiological heat shock protein 27 complex protects brain after focal cerebral ischemia in mice. PLoS ONE, 2013. 8(6): p. 2013.*
682. *Tao, S., et al., Facilitated Hyperpolarization Signaling in Vascular Smooth Muscle-overexpressing TRIC-A Channels. Journal of Biological Chemistry, 2013. 288(22): p. 15581-15589.*
683. *Tamaki, S., et al., Interleukin-16 promotes cardiac fibrosis and myocardial stiffening in heart failure with preserved ejection fraction. PLoS ONE, 2013. 8(7): p. 2013.*
684. *Takemori, K., et al., Possible involvement of oxidative stress as a causative factor in blood-brain barrier dysfunction in stroke-prone spontaneously hypertensive rats. Microvasc Res, 2013. 2862(13): p. 00147-7.*
685. *Takatsu, M., et al., Calorie Restriction Attenuates Cardiac Remodeling and Diastolic Dysfunction in a Rat Model of Metabolic Syndrome. Hypertension, 2013. 2013: p. 16.*
686. *Takata, H., et al., Vascular angiotensin II type 2 receptor attenuates atherosclerosis via a kinin/NO-dependent mechanism. J Renin Angiotensin Aldosterone Syst, 2013. 2013: p. 4.*
687. *Takai, S., et al., Significance of matrix metalloproteinase-9 inhibition by imidapril for prevention of abdominal aortic aneurysms in angiotensin II type 1 receptor-knockout mice. J Pharmacol Sci, 2013. 123(2): p. 185-94.*
688. *Suzuki, Y., et al., High-phosphorus/zinc-free diet aggravates hypertension and cardiac dysfunction in a rat model of the metabolic syndrome. Cardiovasc Pathol, 2013. 8807(13): p. 00151-8.*
689. *Stegbauer, J., et al., Phosphodiesterase 5 Attenuates the Vasodilatory Response in Renovascular Hypertension. PLoS ONE, 2013. 8(11): p. e80674.*
690. *Shiota, A., et al., Oral l-Citrulline Supplementation Improves Erectile Function in Rats with Acute Arteriogenic Erectile Dysfunction. The Journal of Sexual Medicine, 2013. 10(10): p. 2423-2429.*
691. *Shimizu, H., et al., Olmesartan Reduces Pentosidine Production and Ameliorates Fragility of Bone in Ovariectomized Fructose-Fed Rats Immunology, Endocrine & Metabolic Agents in Medicinal Chemistry 2013. 150-158.*
692. *Sherajee, S.J., et al., Aldosterone aggravates glucose intolerance induced by high fructose. Eur J Pharmacol, 2013. 720(1-3): p. 63-8.*
693. *Satoh, M., et al., Hypertension promotes islet morphological changes with vascular injury on pre-diabetic status in SHRsp rats. Clin Exp Hypertens, 2013. 2013: p. 20.*
694. *Satoh, M., et al., Angiostatin production increases in response to decreased nitric oxide in aging rat kidney. Lab Invest, 2013. 7(10): p. 171.*
695. *Sato, T., et al., Apelin is a positive regulator of ACE2 in failing hearts. J Clin Invest, 2013. 123(12): p. 5203-11.*
696. *Rafiq, K., et al., Calcium Channel Blocker Enhances Beneficial Effects of an Angiotensin II AT1 Receptor Blocker against Cerebrovascular-Renal Injury in type 2 Diabetic Mice. PLoS ONE, 2013. 8(12): p. 2013.*
697. *Ohkawa, S., et al., Attenuation of the activated mammalian target of rapamycin pathway might be associated with renal function reserve by a low-protein diet in the rat remnant kidney model. Nutr Res, 2013. 33(9): p. 761-71.*
698. *Ogino, S., et al., Systemic administration of 5-HT receptor agonists attenuates muscular hyperalgesia in reserpine-induced myalgia model. Pharmacol Biochem Behav, 2013. 2013(18): p. 8-15.*
699. *Nugrahaningsih, D.A., et al., Chronic hyperaldosteronism in Cryptochrome-null mice induces high-salt- and blood pressure-independent kidney damage in mice. Hypertens Res, 2013. 2013(10): p. 143.*
700. *Nishida, M., et al., Voltage-dependent N-type Ca(2+) channels in endothelial cells contribute to oxidative stress-related endothelial dysfunction induced by angiotensin II in mice. Biochem Biophys Res Commun, 2013. 434(2): p. 210-6.*
701. *Nakayama, Y., et al., Asymmetric dimethylarginine accumulates in the kidney during ischemia/reperfusion injury. Kidney Int, 2013. 2013(9): p. 398.*
702. *Nakaoka, H., et al., Establishment of a novel murine model of ischemic cardiomyopathy with multiple diffuse coronary*

lesions. PLoS ONE, 2013. 8(8): p. 0070755.

703. *Nakamura, Y., et al., New Angiotensin II Type 1 Receptor Blocker, Azilsartan, Attenuates Cardiac Remodeling after Myocardial Infarction. Biological and Pharmaceutical Bulletin, 2013. 36(8): p. 1326-1331.*
704. *Nakamura, K., K. Naramoto, and M. Koyama, Blood-pressure-lowering effect of fermented buckwheat sprouts in spontaneously hypertensive rats. Journal of Functional Foods, 2013. 5(1): p. 406-415.*
705. *Nakagami, F., et al., Decrease in blood pressure and regression of cardiovascular complications by angiotensin II vaccine in mice. PLoS ONE, 2013. 8(3): p. 27.*
706. *Nagai, Y., et al., Proliferative changes of renal arteriolar walls induced by administration of angiotensin II receptor blocker are frequent in juvenile rats. J Renin Angiotensin Aldosterone Syst, 2013. 2013: p. 12.*
707. *Moritani, T., et al., ACE2 deficiency induced perivascular fibrosis and cardiac hypertrophy during postnatal development in mice. Journal of the American Society of Hypertension, 2013. 7(4): p. 259-266.*
708. *Misaka, T., et al., Senescence marker protein 30 inhibits angiotensin II-induced cardiac hypertrophy and diastolic dysfunction. Biochem Biophys Res Commun, 2013. 439(1): p. 142-7.*
709. *Miao, J., et al., Overexpression of adiponectin improves neurobehavioral outcomes after focal cerebral ischemia in aged mice. CNS Neurosci Ther, 2013. 19(12): p. 969-77.*
710. *Meng, X., et al., Regulatory T cells prevent plaque disruption in apolipoprotein E-knockout mice. Int J Cardiol, 2013. 5273(13): p. 00445-2.*
711. *Matsumoto, T., et al., Epigallocatechin gallate attenuates ET-1-induced contraction in carotid artery from type 2 diabetic OLETF rat at chronic stage of disease. Life Sciences, 2013(0).*
712. *Masumura, M., et al., Anti-salusin-β antibody enhances angiogenesis after myocardial ischemia reperfusion injury. Expert Opinion on Therapeutic Targets, 2013. 17(9): p. 1003-1009.*
713. *Mao, Y., et al., Excessive sympathoactivation and deteriorated heart function after myocardial infarction in male ghrelin knockout mice. Endocrinology, 2013. 154(5): p. 1854-63.*
714. *Mao, L., et al., Roles of apolipoprotein E (ApoE) and inducible nitric oxide synthase (iNOS) in inflammation and apoptosis in preeclampsia pathogenesis and progression. PLoS ONE, 2013. 8(3): p. 5.*
715. *Maeda, S., et al., Beneficial effects of vildagliptin on retinal injury in obese type 2 diabetic rats. Ophthalmic Res, 2013. 50(4): p. 221-6.*
716. *Ma, S., et al., Transgenic Overexpression of Uncoupling Protein 2 Attenuates Salt-Induced Vascular Dysfunction by Inhibition of Oxidative Stress. Am J Hypertens, 2013. 2013: p. 4.*
717. *Liu, J., et al., Sensory-sympathetic coupling in superior cervical ganglia after myocardial ischemic injury facilitates sympathoexcitatory action via P2X receptor. Purinergic Signal, 2013. 2013: p. 11.*
718. *Li-Sha, G., et al., Effects of carvedilol treatment on cardiac cAMP response element binding protein expression and phosphorylation in acute coxsackievirus B3-induced myocarditis. BMC Cardiovasc Disord, 2013. 13(1): p. 100.*
719. *Li, Y.Q., et al., Apocynin attenuates oxidative stress and cardiac fibrosis in angiotensin II-induced cardiac diastolic dysfunction in mice. Acta Pharmacol Sin, 2013. 21(10): p. 164.*
720. *Li, S.Y., et al., Minocycline mitigates isoflurane-induced cognitive impairment in aged rats. Brain Res, 2013. 16: p. 84-93.*
721. *Li, L., et al., Bis(alpha-furancarboxylato)oxovanadium(IV) Exerts Durable Antidiabetic Effects and Suppresses Matrix Metalloproteinase-2 Activity in Spontaneous Type 2 Diabetic KKAy Mice. Biol Trace Elem Res, 2013. 2013: p. 8.*
722. *Li, H., et al., Echocardiographic assessment of beta-adrenergic stimulation-induced heart failure with reduced heart rate in mice. Clin Exp Pharmacol Physiol, 2013. 2013(24): p. 1440-1681.*
723. *Li, C., et al., Critical Role of Matrix Metalloproteinase-9 in Acute Cold Exposure-Induced Stroke in Renovascular Hypertensive Rats. J Stroke Cerebrovasc Dis, 2013. 3057(13): p. 00183-3.*
724. *Lee, J.T., et al., Longitudinal MR imaging study in the prediction of ischemic susceptibility after cerebral hypoperfusion in rats: Influence of aging and hypertension. Neuroscience, 2013. 2013(2): p. 31-40.*
725. *Kuwabara, Y., et al., Increased Expression of HCN Channels in the Ventricular Myocardium Contributes to Enhanced Arrhythmicity in Mouse Failing Hearts. J Am Heart Assoc, 2013. 2(3): p. 000150.*
726. *Kurobe, H., et al., Azelnidipine suppresses the progression of aortic aneurysm in wild mice model through anti-inflammatory effects. J Thorac Cardiovasc Surg, 2013. 5223(13): p. 00271-7.*

727. *Koshizuka, R., et al., Longitudinal Strain Impairment as a Marker of the Progression of Heart Failure with Preserved Ejection Fraction in a Rat Model. J Am Soc Echocardiogr, 2013. 5(12): p. 00905-4.*
728. *Kodera, R., et al., Dipeptidyl peptidase-4 inhibitor ameliorates early renal injury through its anti-inflammatory action in a rat model of type 1 diabetes. Biochem Biophys Res Commun, 2013. 443(3): p. 828-33.*
729. *Kochi, T., et al., Enhanced development of azoxymethane-induced colonic preneoplastic lesions in hypertensive rats. Int J Mol Sci, 2013. 14(7): p. 14700-11.*
730. *Kishi, T., Y. Hirooka, and K. Sunagawa, Telmisartan Reduces Mortality and Left Ventricular Hypertrophy With Sympathoinhibition in Rats with Hypertension and Heart Failure. Am J Hypertens, 2013. 2013: p. 5.*
731. *Kakinuma, Y., et al., Heart-Specific Overexpression of Choline Acetyltransferase Gene Protects Murine Heart Against Ischemia Through Hypoxia-Inducible Factor-1α–Related Defense Mechanisms. Journal of the American Heart Association, 2013. 2(1).*
732. *Kaida, Y., et al., DNA aptamer raised against AGEs blocks the progression of experimental diabetic nephropathy. Diabetes, 2013. 2013: p. 29.*
733. *Jing, P., et al., Screening milk-derived antihypertensive peptides using quantitative structure activity relationship (QSAR) modelling and in vitro/in vivo studies on their bioactivity. International Dairy Journal, 2013. 35(1): p. 95-101.*
734. *Jiang, H.M., et al., Role for Granulocyte Colony Stimulating Factor in Angiotensin II-Induced Neutrophil Recruitment and Cardiac Fibrosis in Mice. Am J Hypertens, 2013. 2013: p. 12.*
735. *Jian, D.Y., et al., Losartan ameliorates renal injury, hypertension, and adipocytokine imbalance in 5/6 nephrectomized rats. Eur J Pharmacol, 2013. 709(1-3): p. 85-92.*
736. *Ikeda, J., et al., Deletion of phd2 in myeloid lineage attenuates hypertensive cardiovascular remodeling. J Am Heart Assoc, 2013. 2(3): p. 000178.*
737. *Ihoriya, C., et al., Angiotensin II Regulates Islet Microcirculation and Insulin Secretion in Mice. Microcirculation, 2013: p. n/a-n/a.*
738. *Huai, R., et al., Vasorelaxing and Antihypertensive Effects of 7,8-Dihydroxyflavone. Am J Hypertens, 2013. 2013: p. 6.*
739. *Hattori, T., et al., Effects of salt status and blockade of mineralocorticoid receptors on aldosterone-induced cardiac injury. Hypertens Res, 2013. 2013(19): p. 124.*
740. *Gao, P., et al., Overexpression of SIRT1 in vascular smooth muscle cells attenuates angiotensin II-induced vascular remodeling and hypertension in mice. J Mol Med, 2013. 2013: p. 19.*
741. *Furukawa, M., et al., Effect of the Direct Renin Inhibitor Aliskiren on Urinary Albumin Excretion in Spontaneous Type 2 Diabetic KK-A (y) Mouse. Int J Nephrol, 2013. 2013(519130): p. 2.*
742. *Fujita, H., et al., The protective roles of GLP-1R signaling in diabetic nephropathy: possible mechanism and therapeutic potential. Kidney Int, 2013. 2013(23): p. 427.*
743. *Fan, Y.Y., et al., A novel neuroprotective strategy for ischemic stroke: transient mild acidosis treatment by CO inhalation at reperfusion. J Cereb Blood Flow Metab, 2013. 2013(6): p. 193.*
744. *Du, L., et al., A novel angiotensin I-converting enzyme inhibitory peptide from Phascolosoma esculenta water-soluble protein hydrolysate. Journal of Functional Foods, 2013. 5(1): p. 475-483.*
745. *Ding, F., et al., VPPIPP and IPPVPP: Two Hexapeptides Innovated to Exert Antihypertensive Activity. PLoS ONE, 2013. 8(4): p. 2013.*
746. *Chen, H., et al., Eplerenone-Mediated Aldosterone Blockade Prevents Renal Fibrosis by Reducing Renal Inflammation, Interstitial Cell Proliferation and Oxidative Stress. Kidney and Blood Pressure Research, 2013. 37(6): p. 557-566.*
747. *Zhou, X., et al., Modeling of angiotensin II-angiotensin-(1-7) counterbalance in disease progression in spontaneously hypertensive rats treated with/without perindopril. Pharmacol Res, 2012. 2012: p. 9.*
748. *Zhong, M.F., et al., Differential changes of aorta and carotid vasodilation in type 2 diabetic GK and OLETF rats: paradoxical roles of hyperglycemia and insulin. Exp Diabetes Res, 2012. 2012(429020): p. 1.*
749. *Zhang, H., et al., Effect of S-aspirin, a novel hydrogen-sulfide-releasing aspirin (ACS14), on atherosclerosis in apoE-deficient mice. Eur J Pharmacol, 2012. 697(1-3): p. 106-16.*
750. *Yatabe, M.S., et al., Effects of a high-sodium diet on renal tubule Ca2+ transporter and claudin expression in Wistar-Kyoto rats. BMC Nephrol, 2012. 13(160): p. 1471-2369.*
751. *Yasuda, N., et al., Agonist-Independent Constitutive Activity of Angiotensin II Receptor Promotes Cardiac Remodeling*

in Mice. Hypertension, 2012. 2012: p. 30.

752. *Yang, K., et al., Carboxyl Terminus of Heat Shock Protein 70-Interacting Protein Inhibits Angiotensin II-Induced Cardiac Remodeling. Am J Hypertens, 2012. 2012(21): p. 74.*
753. *Yan, J., et al., Activation of mu-opioid receptors in the central nucleus of the amygdala induces hypertonic sodium intake. Neuroscience, 2012. 25: p. 28-43.*
754. *Yamazaki, T., et al., The antifibrotic agent pirfenidone inhibits angiotensin II-induced cardiac hypertrophy in mice. Hypertens Res, 2012. 35(1): p. 34-40.*
755. *Yamazaki, T., et al., Tolvaptan Improves Left Ventricular Dysfunction after Myocardial Infarction in Rats. Circ Heart Fail, 2012. 2012: p. 14.*
756. *Wei, Z., et al., Maternal exposure to di-(2-ethylhexyl)phthalate alters kidney development through the renin-angiotensin system in offspring. Toxicol Lett, 2012. 2012: p. 5.*
757. *Wang, Y., et al., Inhibition of PARP prevents angiotensin II-induced aortic fibrosis in rats. Int J Cardiol, 2012. 2012: p. 28.*
758. *Wang, X., et al., Hypertension-attenuating effect of whey protein hydrolysate on spontaneously hypertensive rats. Food Chemistry, 2012(0).*
759. *Villar, V.A., et al., Novel role of sorting nexin 5 in renal D1 dopamine receptor trafficking and function: implications for hypertension. Faseb J, 2012. 29: p. 29.*
760. *Villa, L., et al., Late angiotensin II receptor blockade in progressive rat mesangioproliferative glomerulonephritis: new insights into mechanisms. J Pathol, 2012. 29(10).*
761. *Usui, T., et al., HDAC4 mediates development of hypertension via vascular inflammation in spontaneous hypertensive rats. Am J Physiol Heart Circ Physiol, 2012. 2012: p. 2.*
762. *Takeda, M., et al., Loss of ACE 2 Exaggerates High-Calorie Diet-Induced Insulin Resistance by Reduction of GLUT4 in Mice. Diabetes, 2012. 2012: p. 29.*
763. *Takatsu, M., et al., Comparison of the effects of cilnidipine and amlodipine on cardiac remodeling and diastolic dysfunction in Dahl salt-sensitive rats. J Hypertens, 2012. 2012: p. 12.*
764. *Takai, S., et al., Powerful vascular protection by combining cilnidipine with valsartan in stroke-prone, spontaneously hypertensive rats. Hypertens Res, 2012. 29(10): p. 187.*
765. *Taguchi, K., et al., Suppressed G-protein-coupled receptor kinase 2 activity protects female diabetic-mouse aorta against endothelial dysfunction. Acta Physiol, 2012. 2012(27): p. 1748-1716.*
766. *Taguchi, K., et al., Angiotensin II type 2 receptor-dependent increase in nitric oxide synthase activity in the endothelium of db/db mice is mediated via a MEK pathway. Pharmacol Res, 2012. 2012: p. 22.*
767. *Sun, N., et al., Allergic reactions compared between BN and Wistar rats after oral exposure to ovalbumin. J Immunotoxicol, 2012.*
768. *Sueta, D., et al., Amlodipine Enhances Amelioration of Vascular Insulin Resistance, Oxidative Stress, and Metabolic Disorders by Candesartan in Metabolic Syndrome Rats. Am J Hypertens, 2012. 2012(15): p. 26.*
769. *Su, D., et al., Isoflurane Exposure during Mid-Adulthood Attenuates Age-Related Spatial Memory Impairment in APP/PS1 Transgenic Mice. PLoS ONE, 2012. 7(11): p. e50172.*
770. *Sofue, T., et al., Early Treatment With Olmesartan Prevents Juxtamedullary Glomerular Podocyte Injury and the Onset of Microalbuminuria in Type 2 Diabetic Rats. Am J Hypertens, 2012. 2012(9): p. 1.*
771. *Shiota, A., et al., Activation of AMPK-Sirt1 pathway by telmisartan in white adipose tissue: A possible link to anti-metabolic effects. Eur J Pharmacol, 2012. 2012: p. 20.*
772. *Shinohara, K., et al., Combination Therapy of Olmesartan and Azelnidipine Inhibits Sympathetic Activity Associated with Reducing Oxidative Stress in the Brain of Hypertensive Rats. Clin Exp Hypertens, 2012. 2012: p. 3.*
773. *Shimizu, H., et al., Cilnidipine, but not amlodipine, ameliorates osteoporosis in ovariectomized hypertensive rats through inhibition of the N-type calcium channel. Hypertens Res, 2012. 35(1): p. 77-81.*
774. *Shimizu, H., et al., Links Between Hypertension and Osteoporosis: Benidipine Ameliorates Osteoporosis in Ovariectomized Hypertensive Rats Through Promotion of Osteoblast Proliferation and Inhibition of Osteoclast Differentiation. Current Cardiovascular Risk Reports, 2012: p. 1-7.*
775. *Shimada, K., et al., Carvedilol reduces the severity of atherosclerosis in apolipoprotein E-deficient mice via reducing*

superoxide production. Exp Biol Med, 2012. 2012: p. 3.

776. *Sha, X., et al., Effect of phospholipid composition on pharmacokinetics and biodistribution of epirubicin liposomes. J Liposome Res, 2012. 22(1): p. 80-8.*
777. *Sakurada, T., et al., Nitrosonifedipine ameliorates angiotensin II-induced vascular remodeling via antioxidative effects. Naunyn Schmiedebergs Arch Pharmacol, 2012.*
778. *Saito, T., et al., Angiotensin II receptor antagonist reduces subsequent uterine arterial dysfunction in pregnant offspring of protein-restricted rat dams. J Obstet Gynaecol Res, 2012. 38(3): p. 483-9.*
779. *Saito, M., et al., Characterization of silodosin and naftopidil in the treatment of bladder dysfunction in the spontaneously hypertensive rat. Neurourol Urodyn, 2012. 2012(20): p. 22297.*
780. *Saito, M., et al., Nicorandil ameliorates hypertension-related bladder dysfunction in the rat. Neurourol Urodyn, 2012. 2012(30): p. 21213.*
781. *Saito, M., et al., Hydroxyfasudil ameliorates penile dysfunction in the male spontaneously hypertensive rat. Pharmacol Res, 2012. 2012: p. 28.*
782. *Runge, M., H. Pantlen, and J. Kuhnau, [Cardiac impulse generation and conduction in patients with long-term insulin-dependent diabetes mellitus]. Herz, 2012. 8(6): p. 344-53.*
783. *Qiu, W., et al., Genipin inhibits mitochondrial uncoupling protein 2 expression and ameliorates podocyte injury in diabetic mice. PLoS ONE, 2012. 7(7): p. 19.*
784. *Pan, L., et al., Cathepsin S deficiency results in abnormal accumulation of autophagosomes in macrophages and enhances Ang II–induced cardiac inflammation. PLoS ONE, 2012. 7(4): p. e35315.*
785. *Osanai, T., et al., Coupling factor 6-induced activation of ecto-F1F(o) complex induces insulin resistance, mild glucose intolerance and elevated blood pressure in mice. Diabetologia, 2012. 55(2): p. 520-9.*
786. *Osakabe, N. and M. Shibata, Ingestion of cocoa ameliorates endothelial dysfunction in mesentery arterioles induced by high fat diet in rats: An in vivo intravital microscopy study. Life Sci, 2012. 3205(12): p. 031.*
787. *Omori, Y., et al., L-Carnitine prevents the development of ventricular fibrosis and heart failure with preserved ejection fraction in hypertensive heart disease. J Hypertens, 2012. 2012: p. 12.*
788. *Ogawa, M., et al., Impaired post-infarction cardiac remodeling in chronic kidney disease is due to excessive renin release. Lab Invest, 2012. 2012(17): p. 136.*
789. *Nemoto, S., et al., Pravastatin normalizes ET-1-induced contraction in aorta of type 2 diabetic OLETF rat by suppressing kinase suppressor of Ras (KSR)-1/ERK complex. Am J Physiol Heart Circ Physiol, 2012. 2012: p. 10.*
790. *Nemoto, S., et al., Aminoguanidine normalizes ET-1-induced aortic contraction in type 2 diabetic Otsuka Long-Evans Tokushima Fatty (OLETF) rats by suppressing Jab1-mediated increase in ET(A)-receptor expression. Peptides, 2012. 33(1): p. 109-19.*
791. *Nakano, M., et al., Mineralocorticoid receptors/epithelial Na(+) channels in the choroid plexus are involved in hypertensive mechanisms in stroke-prone spontaneously hypertensive rats. Hypertens Res, 2012.*
792. *Nagatomo, F., et al., High-fat diet-induced reduction of peroxisome proliferator-activated receptor-gamma coactivator-1alpha messenger RNA levels and oxidative capacity in the soleus muscle of rats with metabolic syndrome. Nutr Res, 2012. 32(2): p. 144-51.*
793. *Nagata, S., et al., Plasma and tissue concentrations of proangiotensin-12 in rats treated with inhibitors of the renin-angiotensin system. Hypertens Res, 2012. 35(2): p. 234-8.*
794. *Murase, T., et al., Effects of Estrogen on Cardiovascular Injury in Ovariectomized Female DahlS.Z-Leprfa/Leprfa Rats as a New Animal Model of Metabolic Syndrome. Hypertension, 2012. 59(3): p. 694-704.*
795. *Murase, T., et al., Cardiac remodeling and diastolic dysfunction in DahlS.Z-Lepr(fa)/Lepr(fa) rats: a new animal model of metabolic syndrome. Hypertens Res, 2012. 35(2): p. 186-93.*
796. *Montez, P., et al., Angiotensin Receptor Blockade Recovers Hepatic UCP2 Expression and Aconitase and SDH Activities and Ameliorates Hepatic Oxidative Damage in Insulin Resistant Rats. Endocrinology, 2012.*
797. *Miyazaki, K., et al., Early and progressive impairment of spinal blood flow-glucose metabolism coupling in motor neuron degeneration of ALS model mice. J Cereb Blood Flow Metab, 2012. 32(3): p. 456-67.*
798. *Masuda, K., et al., Comparison of the effects of angiotensin II receptor antagonist monotherapy and combination therapy with a diuretic on cardiac function in spontaneously hypertensive rats. Journal of Echocardiography, 2012: p.*

1-7.

799. *Mason, R.P., et al., Dipeptidyl Peptidase-4 Inhibition With Saxagliptin Enhanced Nitric Oxide Release and Reduced Blood Pressure and sICAM-1 Levels in Hypertensive Rats. J Cardiovasc Pharmacol, 2012. 2012: p. 28.*
800. *Mao, Y., et al., Ghrelin Prevents Incidence of Malignant Arrhythmia after Acute Myocardial Infarction through Vagal Afferent Nerves. Endocrinology, 2012. 2012: p. 25.*
801. *Ma, F., et al., Macrophage-stimulated cardiac fibroblast production of IL-6 is essential for TGF β/Smad activation and cardiac fibrosis induced by angiotensin II. PLoS ONE, 2012. 7(5): p. e35144.*
802. *Liu, O., et al., Clopidogrel, a platelet P2Y12 receptor inhibitor, reduces vascular inflammation and angiotensin II induced-abdominal aortic aneurysm progression. PLoS ONE, 2012. 7(12): p. 20.*
803. *Liu, J., et al., Carvedilol Attenuates the Progression of Alcohol Fatty Liver Disease in Rats. Alcohol Clin Exp Res, 2012. 2012(13): p. 1530-0277.*
804. *Lin, Y.S., et al., The Ethanolic Extracts and Isolated Compounds from Small-Leaf Grape (Vitis thunbergii var. taiwaniana) with Antihypertensive Activities. J Agric Food Chem, 2012. 2012: p. 4.*
805. *Lin, F., et al., Treatment of Lipoxin A(4) and its analogue on low-dose endotoxin induced preeclampsia in rat and possible mechanisms. Reprod Toxicol, 2012. 34(4): p. 677-685.*
806. *Li, Y., et al., Interleukin-12p35 Deletion Promotes CD4 T-Cell-Dependent Macrophage Differentiation and Enhances Angiotensin II-Induced Cardiac Fibrosis. Arterioscler Thromb Vasc Biol, 2012. 2012: p. 3.*
807. *Li, M., et al., The Role of Cilostazol, a Phosphodiesterase 3 Inhibitor, on Oocyte Maturation and Subsequent Pregnancy in Mice. PLoS ONE, 2012. 7(1): p. e30649.*
808. *Li, L., et al., Role of brain serotonin dysfunction in the pathophysiology of congestive heart failure. J Mol Cell Cardiol, 2012. 2012: p. 19.*
809. *Li, J.Y., et al., High-sodium intake aggravates myocardial injuries induced by aldosterone via oxidative stress in Sprague-Dawley rats. Acta Pharmacol Sin, 2012. 2012(23): p. 179.*
810. *Kondo, E., et al., Skeletal Analysis of the Long Bone Abnormality (lbab/lbab) Mouse, A Novel Chondrodysplastic C-Type Natriuretic Peptide Mutant. Calcif Tissue Int, 2012. 2012: p. 25.*
811. *Kobayashi, T., et al., Involvement of CaM kinase II in impairments of endothelial function and eNOS activity in aortas of type 2 diabetic rats. Clin Sci, 2012. 2012: p. 12.*
812. *Kitada, K., et al., Oxidative Stress-Induced Glomerular Mineralocorticoid Receptor Activation Limits the Benefit of Salt Reduction in Dahl Salt-Sensitive Rats. PLoS ONE, 2012. 7(7): p. e41896.*
813. *Kishi, T., Y. Hirooka, and K. Sunagawa, Telmisartan protects against cognitive decline via up-regulation of brain-derived neurotrophic factor/tropomyosin-related kinase B in hippocampus of hypertensive rats. J Cardiol, 2012. 2012: p. 1.*
814. *Kishi, T., Y. Hirooka, and K. Sunagawa, Sympathoinhibition caused by orally administered telmisartan through inhibition of the AT(1) receptor in the rostral ventrolateral medulla of hypertensive rats. Hypertens Res, 2012. 2012(10): p. 63.*
815. *Kimura, K., et al., Reduced NO production rapidly aggravates renal function through the NF-κB/ET-1/ETA receptor pathway in DOCA–salt-induced hypertensive rats. Life Sciences, 2012(0).*
816. *Kawarazaki, H., et al., Mineralocorticoid receptor-Rac1 activation and oxidative stress play major roles in salt-induced hypertension and kidney injury in prepubertal rats. J Hypertens, 2012. 2012: p. 18.*
817. *Kawai, H., et al., Prevention of Hyperglycemic Signal Pathways in Metabolic Syndrome Carotid Artery of Rats. Translational Stroke Research, 2012: p. 1-7.*
818. *Kawaguchi, R., et al., Multiple injections of anti-mouse beta2glycoprotein 1 antibody induce FcRgamma-dependent fetal growth restriction (FGR) in mice. Placenta, 2012. 2012: p. 25.*
819. *Karppanen, H., P. Karppanen, and E. Mervaala, Why and how to implement sodium, potassium, calcium, and magnesium changes in food items and diets? J Hum Hypertens, 2012. 19(3): p. S10-9.*
820. *Ji, X., et al., P2X(7) receptor antagonism attenuates the hypertension and renal injury in Dahl salt-sensitive rats. Hypertens Res, 2012. 35(2): p. 173-9.*
821. *Izumiyama, K., et al., Estrogen attenuates coupling factor 6-induced salt-sensitive hypertension and cardiac systolic dysfunction in mice. Hypertens Res, 2012. 2012(19): p. 232.*

822. *Iwai, M., et al., Possible Involvement of Angiotensin-Converting Enzyme 2 and Mas Activation in Inhibitory Effects of Angiotensin II Type 1 Receptor Blockade on Vascular Remodeling. Hypertension, 2012. 2012: p. 4.*
823. *Ito, M., et al., Transplanted bone marrow stromal cells protect neurovascular units and ameliorate brain damage in stroke-prone spontaneously hypertensive rats. Neuropathology, 2012. 2012(12): p. 1440-1789.*
824. *Ishikawa, A. and Y. Homma, Beneficial effect of ubiquinol, the reduced form of coenzyme Q10, on cyclosporine nephrotoxicity. Int Braz J Urol, 2012. 38(2): p. 230-4.*
825. *Inoue, S., M. Saito, and A. Takenaka, Hydroxyfasudil Ameliorates Bladder Dysfunction in Male Spontaneously Hypertensive Rats. J Urology, 2012. 2012: p. 24.*
826. *Inoue, N., et al., Angiotensin II-induced reduction in exercise capacity is associated with increased oxidative stress in skeletal muscle. Am J Physiol Heart Circ Physiol, 2012. 302(5): p. 30.*
827. *Imaoka, M., et al., Effect of Hypertension on the Occurrence of Micro-hemorrhage in the Pancreatic Islet of Dahl Salt-sensitive Rats. J Toxicol Pathol, 2012. 25(2): p. 155-61.*
828. *Ichikawa, D., et al., Renal Liver-Type Fatty Acid Binding Protein Attenuates Angiotensin II-Induced Renal Injury. Hypertension, 2012. 2012: p. 27.*
829. *Huang, J., et al., Effects of Angiotensin-Converting Enzyme Inhibitory Peptide LAP on Vascular Remodeling. Clin Exp Hypertens, 2012. 30: p. 30.*
830. *Han, Y.-l., et al., Reciprocal interaction between macrophages and T cells stimulates IFN-γ and MCP-1 production in Ang II-induced cardiac inflammation and fibrosis. PLoS ONE, 2012. 7(5): p. e35506.*
831. *Gotoh, K., et al., Obesity-related chronic kidney disease is associated with spleen-derived IL-10. Nephrol Dial Transplant, 2012. 31: p. 31.*
832. *Gil-Bernabe, P., et al., Exogenous activated protein C inhibits the progression of diabetic nephropathy. Journal of Thrombosis and Haemostasis, 2012. 10(3): p. 337-346.*
833. *Gan, T.E., et al., Effects of Benzo(a)pyrene on the Contractile Function of the Thoracic Aorta of Sprague-dawley Rats. Biomed Environ Sci, 2012. 25(5): p. 549-56.*
834. *Furuuchi, R., et al., Antihypertensive Effect of Boysenberry Seed Polyphenols on Spontaneously Hypertensive Rats and Identification of Orally Absorbable Proanthocyanidins with Vasorelaxant Activity. Bioscience, Biotechnology, and Biochemistry, 2012. 76(9): p. 1694-1701.*
835. *Fujita, M., et al., Sympathoexcitation by brain oxidative stress mediates arterial pressure elevation in salt-induced chronic kidney disease. Hypertension, 2012. 59(1): p. 105-12.*
836. *Fujita, H., et al., Modulation of renal superoxide dismutase by telmisartan therapy in C57BL/6-Ins2(Akita) diabetic mice. Hypertens Res, 2012. 35(2): p. 213-20.*
837. *Fujita, A., et al., A Novel Diabetes Mellitus Mouse Model, MAFA-Deficient and Beta Cell-Specific MAFK-Overexpressing Hybrid Transgenic Mice, Developed Severe Diabetic Nephropathy and Improved with TCV-116 (Candesartan Cilexetil) Treatment. Exp Anim, 2012. 61(1): p. 49-57.*
838. *Fu, J., et al., Let-7g is involved in doxorubicin induced myocardial injury. Environ Toxicol Pharmacol, 2012. 33(2): p. 312-7.*
839. *Escudero, E., et al., Antihypertensive activity of peptides identified in the in vitro gastrointestinal digest of pork meat. Meat Sci, 2012. 2012: p. 16.*
840. *Escudero, E., et al., Purification and Identification of antihypertensive peptides in Spanish dry-cured ham. J Proteomics, 2012.*
841. *Chen, B., et al., Differential effects of Rho-kinase inhibitor and angiotensin II type-1 receptor antagonist on the vascular function in hypertensive rats induced by chronic l-NAME treatment. Acta Pharmaceutica Sinica B, 2012(0).*
842. *Cai, J., et al., A novel haemodynamic cerebral aneurysm model of rats with normal blood pressure. J Clin Neurosci, 2012. 19(1): p. 135-8.*
843. *Aritomi, S., et al., Additive effects of cilnidipine and angiotensin II receptor blocker in preventing the progression of diabetic nephropathy in diabetic spontaneously hypertensive rats. Clin Exp Nephrol, 2012. 2012: p. 17.*
844. *Aritomi, S., et al., Cilnidipine, An L-/N-Type Calcium Channel Blocker, Changes the Circulating Angiotensin–(1-7)/Angiotensin II Ratio. 2012.*
845. *Akamatsu, Y., et al., Consistent focal cerebral ischemia without posterior cerebral artery occlusion and its real-time*

monitoring in an intraluminal suture model in mice. J Neurosurg, 2012. 116(3): p. 657-64.

846. *Aizawa, N., Y. Homma, and Y. Igawa, Characteristics of lower urinary tract dysfunction and bladder afferent nerve properties in type 2 diabetic Goto-Kakizaki rats. J Urol, 2012.*
847. *Aizawa, N., Y. Homma, and Y. Igawa, Influence of High Fat Diet Feeding for 20 Weeks on Lower Urinary Tract Function in Mice. LUTS: Lower Urinary Tract Symptoms, 2012: p. no-no.*
848. *Zhong, M.-F., et al., Paradoxical effects of streptozotocin-induced diabetes on endothelial dysfunction in stroke-prone spontaneously hypertensive rats. The Journal of Physiology, 2011. 589(21): p. 5153-5165.*
849. *Yoshida, T., et al., Relaxin ameliorates salt-sensitive hypertension and renal fibrosis. Nephrol Dial Transplant, 2011. 2011: p. 15.*
850. *Yazawa, H., et al., Angiotensin-converting enzyme inhibition promotes coronary angiogenesis in the failing heart of Dahl salt-sensitive hypertensive rats. J Card Fail, 2011. 17(12): p. 1041-50.*
851. *Xin, Y.F., et al., Alleviation of the acute doxorubicin-induced cardiotoxicity by Lycium barbarum polysaccharides through the suppression of oxidative stress. Food Chem Toxicol, 2011. 49(1): p. 259-64.*
852. *Takano, N.K., et al., Time frequency power profile of QRS complex obtained with wavelet transform in spontaneously hypertensive rats. Comput Biol Med, 2011. 2011: p. 17.*
853. *Sukumaran, V., et al., Cardioprotective effects of telmisartan against heart failure in rats induced by experimental autoimmune myocarditis through the modulation of angiotensin-converting enzyme-2/angiotensin 1-7/mas receptor axis. Int J Biol Sci, 2011. 7(8): p. 1077-92.*
854. *Su, D., et al., Isoflurane-Induced Spatial Memory Impairment in Mice is Prevented by the Acetylcholinesterase Inhibitor Donepezil. PLoS ONE, 2011. 6(11): p. e27632.*
855. *Shimizu, R., et al., The pharmacokinetic-pharmacodynamic assessment of the hypotensive effect after coadministration of losartan and hydrochlorothiazide in spontaneously hypertensive rats. Drug Metab Pharmacokinet, 2011. 2011: p. 10.*
856. *Serizawa, K., et al., Nicorandil prevents endothelial dysfunction due to antioxidative effects via normalisation of NADPH oxidase and nitric oxide synthase in streptozotocin diabetic rats. Cardiovasc Diabetol, 2011. 10: p. 105.*
857. *Ryo KAJIHARA, et al., Production of Angiotensin I-Converting Enzyme-Inhibitory Peptides in a Freeze-Thaw Infusion-Treated Soybean FSTR, 2011. 17: p. 561-565.*
858. *Otani, L., et al., Role of the renin-angiotensin-aldosterone system in the enhancement of salt sensitivity caused by prenatal protein restriction in stroke-prone spontaneously hypertensive rats. J Nutr Biochem, 2011. 2011: p. 19.*
859. *Ono, K., et al., Distinct effects of cevimeline and pilocarpine on salivary mechanisms, cardiovascular response and thirst sensation in rats. Arch Oral Biol, 2011. 2011: p. 16.*
860. *Ohtani, K., et al., Benidipine reduces ischemia reperfusion-induced systemic oxidative stress through suppression of aldosterone production in mice. Hypertens Res, 2011. 2011(24): p. 183.*
861. *Nakano, D., et al., Aldosterone Does Not Contribute to Renal p21 Expression During the Development of Angiotensin II-Induced Hypertension in Mice. Am J Hypertens, 2011.*
862. *Nagatomo, F., et al., The effects of running exercise on oxidative capacity and PGC-1α mRNA levels in the soleus muscle of rats with metabolic syndrome. The Journal of Physiological Sciences, 2011. 62(2): p. 105-114.*
863. *Nagasu, H., et al., Azelnidipine attenuates glomerular damage in Dahl salt-sensitive rats by suppressing sympathetic nerve activity. Hypertens Res, 2011. 2011(10): p. 184.*
864. *Matsumoto, N., et al., Thoracotomy reduces intrinsic brain movement caused by heartbeat and respiration: A simple method to prevent motion artifact for in vivo experiments. Neuroscience Research, 2011. 71: p. 188–191.*
865. *MA, R. and M. SUN, Inhibition of nitric oxide synthase lowers fatty acid oxidation in preeclampsia-like mice at early gestational stage. Chinese Medical Journal, 2011. 124(19): p. 3141-3147.*
866. *Liu, G., et al., Mechanical stretch augments insulin-induced vascular smooth muscle cell proliferation by insulin-like growth factor-1 receptor. Experimental Cell Research, 2011. 317(17): p. 2420-2428.*
867. *Kitagawa, A., Y. Ohta, and K. Ohashi, Melatonin improves metabolic syndrome induced by high fructose intake in rats. J Pineal Res, 2011. 2011(7).*
868. *Kitada, M., et al., Dietary restriction ameliorates diabetic nephropathy through anti-inflammatory effects and regulation of the autophagy via restoration of Sirt1 in diabetic Wistar fatty (fa/fa) rats: a model of type 2 diabetes. Exp*

Diabetes Res, 2011. 2011(908185): p. 22.

869. *Kawakami, K., et al., Antihypertensive and Vasorelaxant Effects of Water-Soluble Proanthocyanidins from Persimmon Leaf Tea in Spontaneously Hypertensive Rats. Bioscience, Biotechnology, and Biochemistry, 2011. 75(8): p. 1435-1439.*
870. *Kaneko, K., et al., Physiological function of the angiotensin AT1a receptor in bone remodeling. J Bone Miner Res, 2011. 26(12): p. 2959-66.*
871. *Kaneko, H., et al., Human C-reactive protein exacerbates metabolic disorders in association with adipose tissue remodelling. Cardiovascular Research, 2011. 91: p. 546-555.*
872. *Kaneko, H., et al., Resveratrol prevents the development of abdominal aortic aneurysm through attenuation of inflammation, oxidative stress, and neovascularization. Atherosclerosis, 2011. 217(2): p. 350-357.*
873. *Kaneko, H., et al., Tumor necrosis factor- converting enzyme is a key mediator of abdominal aortic aneurysm development. Atherosclerosis, 2011. 218(2): p. 470-478.*
874. *Ishiguro, K., et al., Hypotensive effect of a sweetpotato protein digest in spontaneously hypertensive rats and purification of angiotensin I-converting enzyme inhibitory peptides. Food Chemistry, 2011. 131(3): p. 774-779.*
875. *Ishida, K., et al., Mechanisms underlying altered extracellular nucleotide-induced contractions in mesenteric arteries from rats in later-stage type 2 diabetes: effect of ANG II type 1 receptor antagonism. American Journal of Physiology - Heart and Circulatory Physiology, 2011. 301(5): p. H1850-H1861.*
876. *Ishida, K., et al., Pravastatin normalizes EDCF-mediated response via suppression of Rho-kinase signalling in mesenteric artery from aged type 2 diabetic rat. Acta Physiol, 2011. 2011(28): p. 1748-1716.*
877. *Inoue, S., et al., Effect of silodosin on detrusor overactivity in the male spontaneously hypertensive rat. BJU Int, 2011.*
878. *Hasui, T., et al., Identification of benzoxazin-3-one derivatives as novel, potent, and selective nonsteroidal mineralocorticoid receptor antagonists. J Med Chem, 2011. 54(24): p. 8616-31.*
879. *Hamano, Y., et al., Attenuation of Immune-Mediated Renal Injury by Telmisartan, an Angiotensin Receptor Blocker and a Selective PPAR-y Activator. Nephron Extra, 2011. 1(1): p. 78-90.*
880. *Guo, P., et al., Subdose of fasudil suppresses myocardial fibrosis in aldosterone-salt-treated uninephrectomized rats. Die Pharmazie - An International Journal of Pharmaceutical Sciences, 2011. 66(9): p. 716-719.*
881. *Fukui, T., et al., The Effects of Olmesartan and Alfacalcidol on Renoprotection and klotho Gene ex_pression in 5/6 Nephrectomized Spontaneously Hypertensive Rats. Yonago Acta medica, 2011. 54: p. 49-58.*
882. *Amin, A., et al., Chronic inhibition of endoplasmic reticulum stress and inflammation prevents ischaemia-induced vascular pathology in type II diabetic mice. J Pathol, 2011. 2011(14): p. 3960.*
883. *原田陽 and 永井武, ブラウン系統エノキタケによるγ-アミノ酪酸含有素材の作出と血圧降下作用. 2011.*
884. *鲁军, et al., Val-Glu-Pro 对原发性高血压大鼠的体内降压作用. 生物化学与生物物理进展, 2011(04): p. 353-360.*
885. *韓傳孝, et al., Antihypertensive Activities of Processed Garlic on Spontaneously Hypertensive Rats and Hypertensive Humans. Botanical Studies, 2011. 52(3): p. 277-283.*
886. *Zhang, Y., et al., Chicken Collagen Hydrolysate Protects Rats from Hypertension and Cardiovascular Damage. Journal of Medicinal Food, 2010. 13(2): p. 399-405.*
887. *Yu, X., et al., Celastrol Attenuates Hypertension-Induced Inflammation and Oxidative Stress in Vascular Smooth Muscle Cells via Induction of Heme Oxygenase-1. American Journal of Hypertension, 2010. 23(8): p. 895-903.*
888. *Yoshimura, M., et al., Antihypertensive effect of a γ-aminobutyric acid rich tomato cultivar 'DG03-9'in spontaneously hypertensive rats. Journal of Agricultural and Food Chemistry, 2010. 58(1): p. 615-619.*
889. *Yen, P.-L., et al., Effects of deep-frying oil on blood pressure and oxidative stress in spontaneously hypertensive and normotensive rats. Nutrition, 2010. 26(3): p. 331-336.*
890. *Yamashita, C., et al., Efficacy of olmesartan and nifedipine on recurrent hypoxia-induced left ventricular remodeling in diabetic mice. Life Sciences, 2010. 86(9): p. 322-330.*
891. *Xiang, J., et al., Chinese medicine Nao-Shuan-Tong attenuates cerebral ischemic injury by inhibiting apoptosis in a rat model of stroke. Journal of Ethnopharmacology, 2010. 131(1): p. 174-181.*
892. *Wei, W., et al., Cyanoacrylate-assisted arterial anastomosis in rat small bowel transplantation. Langenbeck's Archives of Surgery, 2010. 395(6): p. 727-735.*
893. *Wakasugi, R., T. Nakamoto, and K. Matsukawa, The effects of adrenalectomy and autonomic blockades on the exercise*

tachycardia in conscious rats. Autonomic Neuroscience, 2010. 155(1): p. 59-67.

894. *Tanaka, T., et al., Thiamine Prevents Obesity and Obesity-Associated Metabolic Disorders in OLETF Rats. Journal of Nutritional Science and Vitaminology, 2010. 56(6): p. 335-346.*
895. *Takahashi, T., et al., Increased C-reactive protein expression exacerbates left ventricular dysfunction and remodeling after myocardial infarction. American Journal of Physiology-Heart and Circulatory Physiology, 2010. 299(6): p. H1795-H1804.*
896. *Shimazu, H., et al., Effect of combining ACE inhibitor and statin in lupus-prone mice. Clinical Immunology, 2010. 136(2): p. 188-196.*
897. *Satoh, M., et al., In Vivo Visualization of Glomerular Microcirculation and Hyperfiltration in Streptozotocin-Induced Diabetic Rats. Microcirculation, 2010. 17(2): p. 103-112.*
898. *Sato, N., et al., The Prostacyclin Analog Beraprost Sodium Ameliorates Characteristics of Metabolic Syndrome in Obese Zucker (Fatty) Rats. Diabetes, 2010. 59(4): p. 1092-1100.*
899. *Sasaki, T., et al., AT1 blockade attenuates atherosclerotic plaque destabilization accompanied by the suppression of cathepsin S activity in apoE-deficient mice. Atherosclerosis, 2010. 210(2): p. 430-437.*
900. *Owada, S., et al., Spherical Carbon Adsorbent (AST-120) Protects Deterioration of Renal Function in Chronic Kidney Disease Rats through Inhibition of Reactive Oxygen Species Production from Mitochondria and Reduction of Serum Lipid Peroxidation. Nephron Experimental Nephrology, 2010. 115(4): p. e101-e111.*
901. *Ota, H., et al., Induction of Endothelial Nitric Oxide Synthase, SIRT1, and Catalase by Statins Inhibits Endothelial Senescence Through the Akt Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010. 30(11): p. 2205-2211.*
902. *Nakayama, T., et al., Expression of α1-Adrenergic Receptor Subtypes and Angiotensin II Type 1 Receptor in the Prostate of Spontaneously Hypertensive Rats. 信州医学雑誌, 2010. 58(3): p. 103-114.*
903. *Miyamura, M., et al., Effects of Acarbose on the Acceleration of Postprandial Hyperglycemia–Induced Pathological Changes Induced by Intermittent Hypoxia in Lean Mice. Journal of Pharmacological Sciences, 2010. 114(1): p. 32-40.*
904. *Matsumoto, T., et al., Losartan Normalizes Endothelium-Derived Hyperpolarizing Factor–Mediated Relaxation by Activating Ca2+-Activated K+ Channels in Mesenteric Artery From Type 2 Diabetic GK Rat. Journal of Pharmacological Sciences, 2010. 112(3): p. 299-309.*
905. *Matsumoto, T., et al., Mechanisms underlying the losartan treatment-induced improvement in the endothelial dysfunction seen in mesenteric arteries from type 2 diabetic rats. Pharmacological Research, 2010. 62(3): p. 271-281.*
906. *Matsuki, A., et al., Fluvastatin Attenuates Diabetes-Induced Cardiac Sympathetic Neuropathy in Association With a Decrease in Oxidative Stress. Circulation Journal, 2010. 74(3): p. 468-475.*
907. *Matsui, T., et al., Antihypertensive Effect of Salt-Free Soy Sauce, a New Fermented Seasoning, in Spontaneously Hypertensive Rats. Journal of Food Science, 2010. 75(4): p. H129-H134.*
908. *Ma, R.-q., M.-n. Sun, and Z. Yang, Effects of preeclampsia-like symptoms at early gestational stage on feto-placental outcomes in a mouse model. Chinese Medical Journal, 2010. 123(6).*
909. *Li, X., et al., Acute and subacute toxicity of ethanol extracts from Salvia przewalskii Maxim in rodents. Journal of Ethnopharmacology, 2010. 131(1): p. 110-115.*
910. *Li, P., et al., Evidence for the Importance of Adiponectin in the Cardioprotective Effects of Pioglitazone. Hypertension, 2010. 55(1): p. 69-75.*
911. *Lee, S.-H., Z.-J. Qian, and S.-K. Kim, A novel angiotensin I converting enzyme inhibitory peptide from tuna frame protein hydrolysate and its antihypertensive effect in spontaneously hypertensive rats. Food Chemistry, 2010. 118(1): p. 96-102.*
912. *Kuwabara, A., et al., Deterioration of glomerular endothelial surface layer induced by oxidative stress is implicated in altered permeability of macromolecules in Zucker fatty rats. Diabetologia, 2010. 53(9): p. 2056-2065.*
913. *Ihara, G., et al., Regression of superficial glomerular podocyte injury in type 2 diabetic rats with overt albuminuria: effect of angiotensin II blockade. Journal of Hypertension, 2010. 28(11).*
914. *Hwang, J.-S., Y.-L. Tsai, and K.-C. Hsu, The feasibility of antihypertensive oligopeptides encapsulated in liposomes prepared with phytosterols-β-sitosterol or stigmasterol. Food Research International, 2010. 43(1): p. 133-139.*
915. *Groneberg, D., et al., Smooth Muscle–Specific Deletion of Nitric Oxide–Sensitive Guanylyl Cyclase Is Sufficient to*

Induce Hypertension in Mice. Circulation, 2010. 121(3): p. 401-409.

916. *Fukuda, D., et al., The angiotensin receptor blocker, telmisartan, reduces and stabilizes atherosclerosis in ApoE and AT1aR double deficient mice. Biomedicine & Pharmacotherapy, 2010. 64(10): p. 712-717.*
917. *Fan, Y.-Y., et al., Cilnidipine suppresses podocyte injury and proteinuria in metabolic syndrome rats: possible involvement of N-type calcium channel in podocyte. Journal of Hypertension, 2010. 28(5).*
918. *Dong, Y.-F., et al., Aliskiren enhances protective effects of valsartan against type 2 diabetic nephropathy in mice. Journal of Hypertension, 2010. 28(7).*
919. *Dong, Y., et al., Reduced effects of endothelium-derived hyperpolarizing factor in ocular ciliary arteries from spontaneous hypertensive rats. Experimental Eye Research, 2010. 90(2): p. 324-329.*
920. *Ariyoshi, K., et al., Impaired Erythrocyte Filterability of Spontaneously Hypertensive Rats*
921. *Investigation by Nickel Mesh Filtration Technique. Circulation Journal, 2010. 74(1): p. 129-136.*
922. *Aki, K., et al., ANG II receptor blockade enhances anti-inflammatory macrophages in anti-glomerular basement membrane glomerulonephritis. American Journal of Physiology-Renal Physiology, 2010. 298(4): p. F870-F882.*
923. *Zhuo, M.-L., et al., Endothelium-specific overexpression of human IC53 downregulates endothelial nitric oxide synthase activity and elevates systolic blood pressure in mice. Cardiovascular Research, 2009. 84(2): p. 292-299.*
924. *Zhu, A., et al., Effect of mineralocorticoid receptor blockade on the renal renin–angiotensin system in Dahl salt-sensitive hypertensive rats. Journal of Hypertension, 2009. 27(4).*
925. *Zhang, C., et al., Angiotensin I-converting enzyme inhibitory activity of Acetes chinensis peptic hydrolysate and its antihypertensive effect in spontaneously hypertensive rats. International Journal of Food Science and Technology, 2009. 44(10): p. 2042-2048.*
926. *Zhan, D.-Y., et al., Therapeutic effect of β-adrenoceptor blockers using a mouse model of dilated cardiomyopathy with a troponin mutation. Cardiovascular Research, 2009. 84(1): p. 64-71.*
927. *Yeh, C.-T., W.-H. Huang, and G.-C. Yen, Antihypertensive effects of Hsian-tsao and its active compound in spontaneously hypertensive rats. The Journal of nutritional biochemistry, 2009. 20(11): p. 866-875.*
928. *Yamazaki, T., et al., Combination Effects of Enalapril and Losartan on Lipid Peroxidation in the Kidneys of KK-Ay/Ta Mice. Nephron Experimental Nephrology, 2009. 113(2): p. e66-e76.*
929. *Watanabe, D., et al., Renoprotective effects of an angiotensin II receptor blocker in experimental model rats with hypertension and metabolic disorders. Hypertension Research, 2009. 32(9): p. 807-815.*
930. *Tsutakawa, S., et al., Nicotine enhances skin necrosis and expression of inflammatory mediators in a rat pressure ulcer model. British Journal of Dermatology, 2009. 161(5): p. 1020-1027.*
931. *Tsunoda, M., et al., Study of the acute cardiovascular effects of several antihypertensive agents with the measurement of plasma catecholamines in mice. Analytical and Bioanalytical Chemistry, 2009. 394(4): p. 947-952.*
932. *Takenouchi, Y., et al., Gender Differences in Endothelial Function in Aortas From Type 2 Diabetic Model Mice. Journal of Pharmacological Sciences, 2009. 111(1): p. 91-99.*
933. *Sudo, H., et al., Nicorandil Improves Glomerular Injury in Rats With Mesangioproliferative Glomerulonephritis via Inhibition of Proproliferative and Profibrotic Growth Factors. Journal of Pharmacological Sciences, 2009. 111(1): p. 53-59.*
934. *Okazaki, R., et al., lipopolysaccharide induces atrial arrhythmogenesis via down-regulation of L-type Ca2+ channel genes in rats. International heart journal, 2009. 50(3): p. 353-363.*
935. *Okamura, K., et al., Comparative Effects of Olmesartan and Azelnidipine on Atrial Structural Remodeling in Spontaneously Hypertensive Rats. Pharmacology, 2009. 83(6): p. 360-366.*
936. *Numaguchi, Y., et al., Ablation of Angiotensin IV Receptor Attenuates Hypofibrinolysis via PAI-1 Downregulation and Reduces Occlusive Arterial Thrombosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009. 29(12): p. 2102-2108.*
937. *Nishijima, S., et al., Comparison of the effect of anti-muscarinic agents on bladder activity, urinary ATP level, and autonomic nervous system in rats. Biomedical Research, 2009. 30(2): p. 107-112.*
938. *Ni, M., et al., Atherosclerotic plaque disruption induced by stress and lipopolysaccharide in apolipoprotein E knockout mice. American Journal of Physiology-Heart and Circulatory Physiology, 2009. 296(5): p. H1598-H1606.*
939. *Namikoshi, T., et al., High dietary protein intake induces endothelial dysfunction in uninephrectomized rats. Mol Med*

Rep, 2009. 2(3): p. 429-434.

940. *Namikoshi, T., et al., Oral adsorbent AST-120 ameliorates endothelial dysfunction independent of renal function in rats with subtotal nephrectomy. Hypertension Research, 2009. 32(3): p. 194-200.*
941. *Nagai, Y., et al., Possible contribution of the non-proteolytic activation of prorenin to the development of insulin resistance in fructose-fed rats. Experimental Physiology, 2009. 94(9): p. 1016-1023.*
942. *Miyamoto, 聽., et al., Protein Kinase A-Dependent Suppression of Reactive Oxygen Species in Transient Focal Ischemia in Adrenomedullin-Deficient Mice. Journal of Cerebral Blood Flow & Metabolism, 2009. 29(11): p. 1769-1779.*
943. *Miyachi, M., et al., Exercise Training Alters Left Ventricular Geometry and Attenuates Heart Failure in Dahl Salt-Sensitive Hypertensive Rats. Hypertension, 2009. 53(4): p. 701-707.*
944. *Meng, C., et al., Alterations of Mitochondrial Enzymes Contribute to Cardiac Hypertrophy before Hypertension Development in Spontaneously Hypertensive Rats. Journal of Proteome Research, 2009. 8(5): p. 2463-2475.*
945. *Matsumoto, T., et al., Pyrrolidine Dithiocarbamate Reduces Vascular Prostanoid-Induced Responses in Aged Type 2 Diabetic Rat Model. Journal of Pharmacological Sciences, 2009. 110(3): p. 326-333.*
946. *Maruyama, H., et al., Antihypertensive Effects of Flavonoids Isolated from Brazilian Green Propolis in Spontaneously Hypertensive Rats. Biological and Pharmaceutical Bulletin, 2009. 32(7): p. 1244-1250.*
947. *Liu, Y.-H., et al., Effects of Different Types of Yam (Dioscorea alata) Products on the Blood Pressure of Spontaneously Hypertensive Rats. Bioscience, Biotechnology, and Biochemistry, 2009. 73(6): p. 1371-1376.*
948. *Liu, X., et al., Effects of angiotensin-II receptor blockers on experimental autoimmune myocarditis. International Journal of Cardiology, 2009. 137(3): p. 282-288.*
949. *Liu, D.-Z., et al., Feeding trial of instant food containing lyophilised yam powder in hypertensive subjects. Journal of the Science of Food and Agriculture, 2009. 89(1): p. 138-143.*
950. *Kwak, C.-J., et al., Antihypertensive effect of French maritime pine bark extract (Flavangenol): possible involvement of endothelial nitric oxide-dependent vasorelaxation. Journal of Hypertension, 2009. 27(1).*
951. *Konda, T., et al., Different Effects of L/N-Type and L-Type Calcium Channel Blockers on the Renin-Angiotensin-Aldosterone System in SHR/Izm. American Journal of Nephrology, 2009. 30(2): p. 155-161.*
952. *Kobayashi, T., et al., Activation of the PDK-1/Akt/eNOS pathway involved in aortic endothelial function differs between hyperinsulinemic and insulin-deficient diabetic rats. American Journal of Physiology-Heart and Circulatory Physiology, 2009. 297(5): p. H1767-H1775.*
953. *Kawai, M., et al., Telmisartan predominantly suppresses cardiac fibrosis, rather than hypertrophy, in renovascular hypertensive rats. Hypertension Research, 2009. 32(7): p. 604-610.*
954. *Kadowaki, D., et al., Evaluation for Antioxidant and Renoprotective Activity of Olmesartan Using Nephrectomy Rats. Biological and Pharmaceutical Bulletin, 2009. 32(12): p. 2041-2045.*
955. *Iwama, S., et al., Central Adiponectin Functions to Inhibit Arginine Vasopressin Release in Conscious Rats. Journal of Neuroendocrinology, 2009. 21(9): p. 753-759.*
956. *Inoue, N., et al., Involvement of Vascular Angiotensin II-Forming Enzymes in the Progression of Aortic Abdominal Aneurysms in Angiotensin II- Infused ApoE-Deficient Mice. Journal of Atherosclerosis and Thrombosis, 2009. 16(3): p. 164-171.*
957. *Hanayama, R., et al., Fluvastatin improves osteoporosis in fructose-fed insulin resistant model rats through blockade of the classical mevalonate pathway and antioxidant action. Int J Mol Med, 2009. 23(5): p. 581-588.*
958. *Fukuda, D., et al., Inhibition of renin–angiotensin system attenuates periadventitial inflammation and reduces atherosclerotic lesion formation. Biomedicine & Pharmacotherapy, 2009. 63(10): p. 754-761.*
959. *Feng, M., et al., Genetic Analysis of Blood Pressure in 8 Mouse Intercross Populations. Hypertension, 2009. 54(4): p. 802-809.*
960. *Daisu, M., et al., Quantitative Analysis of Delayed Neuronal Death in the Hippocampal Subfields of SHRSP and SHR. Cellular and Molecular Neurobiology, 2009. 29(4): p. 557-562.*
961. *Chiba, T., et al., Dietary Protein, but Not Carbohydrate, Is a Primary Determinant of the Onset of Stroke in Stroke-Prone Spontaneously Hypertensive Rats. Stroke, 2009. 40(8): p. 2828-2835.*
962. *Cheng, X.W., et al., Mechanism of Diastolic Stiffening of the Failing Myocardium and Its Prevention by Angiotensin*

Receptor and Calcium Channel Blockers. Journal of Cardiovascular Pharmacology, 2009. 54(1).

963. *Asaba, Y., et al., Activation of renin-angiotensin system induces osteoporosis independently of hypertension. Journal of Bone and Mineral Research, 2009. 24(2): p. 241-250.*
964. *Araki, S., et al., Olmesartan reduces oxidative stress in the brain of stroke-prone spontaneously hypertensive rats assessed by an in vivo ESR method. Hypertension Research, 2009. 32(12): p. 1091-1096.*
965. *Yue-Chun, L., et al., Protective effects of carvedilol in murine model with the coxsackievirus B3-induced viral myocarditis. J Cardiovasc Pharmacol, 2008. 51(1): p. 92-8.*
966. *Yu, Y., et al., Effects of an ARB on Endothelial Progenitor Cell Function and Cardiovascular Oxidation in Hypertension. American Journal of Hypertension, 2008. 21(1): p. 72-77.*
967. *Yao, E.-H., et al., Effects of the antioxidative β-blocker celiprolol on endothelial progenitor cells in hypertensive rats. American Journal of Hypertension, 2008. 21(9): p. 1062-1068.*
968. *Yamashita, C., et al., Exaggerated Renal Pathology of Partial Ablation-Induced Chronic Renal Failure in eNOS Deficient Mice. Biological and Pharmaceutical Bulletin, 2008. 31(5): p. 1029-1031.*
969. *Yamamoto, M., A. Suzuki, and T. Hase, Short-Term Effects of Glucosyl Hesperidin and Hesperetin on Blood Pressure and Vascular Endothelial Function in Spontaneously Hypertensive Rats. Journal of Nutritional Science and Vitaminology, 2008. 54(1): p. 95-98.*
970. *Yamamoto, E., et al., Excess Salt Causes Cerebral Neuronal Apoptosis and Inflammation in Stroke-Prone Hypertensive Rats Through Angiotensin II-Induced NADPH Oxidase Activation. Stroke, 2008. 39(11): p. 3049-3056.*
971. *Wang, H., et al., Paradoxical mineralocorticoid receptor activation and left ventricular diastolic dysfunction under high oxidative stress conditions. Journal of Hypertension, 2008. 26(7).*
972. *Tsai, H.-Y., L.-Y. Wu, and L.S. Hwang, Effect of a Proanthocyanidin-Rich Extract from Longan Flower on Markers of Metabolic Syndrome in Fructose-Fed Rats. Journal of Agricultural and Food Chemistry, 2008. 56(22): p. 11018-11024.*
973. *Tonouchi, H., et al., Antihypertensive effect of an angiotensin converting enzyme inhibitory peptide from enzyme modified cheese. Journal of Dairy Research, 2008. 75(3): p. 284-290.*
974. *Tanimoto, K., et al., A single nucleotide mutation in the mouse renin promoter disrupts blood pressure regulation. The Journal of Clinical Investigation, 2008. 118(3): p. 1006-1016.*
975. *Takenouchi, Y., et al., Possible Involvement of Akt Activity in Endothelial Dysfunction in Type 2 Diabetic Mice. Journal of Pharmacological Sciences, 2008. 106(4): p. 600-608.*
976. *Shimada, T., et al., Preventive Effects of Bofutsushosan on Obesity and Various Metabolic Disorders. Biological and Pharmaceutical Bulletin, 2008. 31(7): p. 1362-1367.*
977. *Sakairi, A., et al., Angiotensin Type 1 Receptor Blockade Prevents Cardiac Remodeling in Mice with Pregnancy-Associated Hypertension. Hypertension Research, 2008. 31(12): p. 2165-2175.*
978. *Sakai, N., et al., The renin–angiotensin system contributes to renal fibrosis through regulation of fibrocytes. Journal of Hypertension, 2008. 26(4).*
979. *Saiga, A., et al., Angiotensin I-Converting Enzyme-Inhibitory Peptides Obtained from Chicken Collagen Hydrolysate. Journal of Agricultural and Food Chemistry, 2008. 56(20): p. 9586-9591.*
980. *Niwa, Y., et al., Inhalation Exposure to Carbon Black Induces Inflammatory Response in Rats. Circulation Journal, 2008. 72(1): p. 144-149.*
981. *Nishimura, H., et al., Mineralocorticoid receptor blockade ameliorates peritoneal fibrosis in new rat peritonitis model. American Journal of Physiology-Renal Physiology, 2008. 294(5): p. F1084-F1093.*
982. *Nishida, M., et al., P2Y6 receptor-Gα12/13 signalling in cardiomyocytes triggers pressure overload-induced cardiac fibrosis. The EMBO Journal, 2008. 27(23): p. 3104-3115-3115.*
983. *Nakade, K., et al., Identification of an antihypertensive peptide derived from chicken bone extract. Animal Science Journal, 2008. 79(6): p. 710-715.*
984. *Miyamoto, N., et al., Neuroprotective role of angiotensin II type 2 receptor after transient focal ischemia in mice brain. Neuroscience Research, 2008. 61(3): p. 249-256.*
985. *Matsumoto, T., et al., Cilostazol improves endothelial dysfunction by increasing endothelium-derived hyperpolarizing factor response in mesenteric arteries from Type 2 diabetic rats. European Journal of Pharmacology, 2008. 599(1): p.*

102-109.

986. Matsui, H., et al., Salt Excess Causes Left Ventricular Diastolic Dysfunction in Rats With Metabolic Disorder. Hypertension, 2008. 52(2): p. 287-294.

987. Matsuhisa, S., et al., Angiotensin II type 1 receptor blocker preserves tolerance to ischemia-reperfusion injury in Dahl salt-sensitive rat heart. American Journal of Physiology-Heart and Circulatory Physiology, 2008. 294(6): p. H2473-H2479.

988. Kurashige, T., et al., Renoprotective Effect of Azelnidipine in Rats. Biological and Pharmaceutical Bulletin, 2008. 31(12): p. 2237-2244.

989. Kumakura, K., et al., Pharmacological effects of Ganoderma lucidum collected from ume (Japanese apricot) trees. Journal of Wood Science, 2008. 54(6): p. 502-508.

990. Kobayashi, T., et al., Diabetic state, high plasma insulin and angiotensin II combine to augment endothelin-1-induced vasoconstriction via ETA receptors and ERK. British Journal of Pharmacology, 2008. 155(7): p. 974-983.

991. Kido, M., et al., Protective Effect of Dietary Potassium Against Vascular Injury in Salt-Sensitive Hypertension. Hypertension, 2008. 51(2): p. 225-231.

992. Hirase, M., et al., Central injection of galanin inhibits angiotensin II-induced responses in rats. NeuroReport, 2008. 19(3).

993. Hayashi, T., et al., Role of gp91phox-containing NADPH oxidase in left ventricular remodeling induced by intermittent hypoxic stress. American Journal of Physiology-Heart and Circulatory Physiology, 2008. 294(5): p. H2197-H2203.

994. Haraguchi, G., et al., Pioglitazone reduces systematic inflammation and improves mortality in apolipoprotein E knockout mice with sepsis. Intensive Care Medicine, 2008. 34(7): p. 1304-1312.

995. Yoshida, Y., T. Shioi, and T. Izumi, Resveratrol Ameliorates Experimental Autoimmune Myocarditis. Circulation Journal, 2007. 71(3): p. 397-404.

996. Yamamoto, E., et al., Pravastatin Enhances Beneficial Effects of Olmesartan on Vascular Injury of Salt-Sensitive Hypertensive Rats, via Pleiotropic Effects. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007. 27(3): p. 556-563.

997. Yamada, T., et al., Angiotensin II receptor blocker inhibits neointimal hyperplasia through regulation of smooth muscle–like progenitor cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007. 27(11): p. 2363-2369.

998. Tanimoto, M., et al., Effect of pyridoxamine (K-163), an inhibitor of advanced glycation end products, on type 2 diabetic nephropathy in KK-Ay/Ta mice. Metabolism, 2007. 56(2): p. 160-167.

999. Tanaka, T., et al., Thiamine attenuates the hypertension and metabolic abnormalities in CD36-defective SHR: Uncoupling of glucose oxidation from cellular entry accompanied with enhanced protein O-GlcNAcylation in CD36 deficiency. Molecular and Cellular Biochemistry, 2007. 299(1): p. 23-35.

1000. Takeda, Y., et al., Effects of Aldosterone and Angiotensin II Receptor Blockade on Cardiac Angiotensinogen and Angiotensin-Converting Enzyme 2 Expression in Dahl Salt-Sensitive Hypertensive Rats. American Journal of Hypertension, 2007. 20(10): p. 1119-1124.

1001. Takahashi, R., et al., Pressure Overload-Induced Cardiomyopathy in Heterozygous Carrier Mice of Carnitine Transporter Gene Mutation. Hypertension, 2007. 50(3): p. 497-502.

1002. Shindo, M., et al., Effects of Dietary Administration of Plant-Derived Anthocyanin-Rich Colors to Spontaneously Hypertensive Rats. Journal of Nutritional Science and Vitaminology, 2007. 53(1): p. 90-93.

1003. Qian, Z.-J., et al., Antihypertensive effect of an angiotensin I-converting enzyme inhibitory peptide from bullfrog (Rana catesbeiana Shaw) muscle protein in spontaneously hypertensive rats. Process Biochemistry, 2007. 42(10): p. 1443-1448.

1004. Ogawa, H., et al., Effects of osthol on blood pressure and lipid metabolism in stroke-prone spontaneously hypertensive rats. Journal of Ethnopharmacology, 2007. 112(1): p. 26-31.

1005. Ogawa, H., et al., BENEFICIAL EFFECT OF XANTHOANGELOL, A CHALCONE COMPOUND FROM ANGELICA KEISKEI, ON LIPID METABOLISM IN STROKE-PRONE SPONTANEOUSLY HYPERTENSIVE RATS. Clinical and Experimental Pharmacology and Physiology, 2007. 34(3): p. 238-243.

1006. Nishioka, T., et al., Eplerenone Attenuates Myocardial Fibrosis in the Angiotensin II-Induced Hypertensive Mouse: Involvement of Tenascin-C Induced by Aldosterone-Mediated Inflammation. Journal of Cardiovascular Pharmacology,

2007. 49(5).

1007. Nishihara, E., et al., Quantitative trait loci associated with blood pressure of metabolic syndrome in the progeny of NZO/HILtJ× C3H/HeJ intercrosses. Mammalian Genome, 2007. 18(8): p. 573-583.

1008. Namikoshi, T., et al., Olmesartan Ameliorates Renovascular Injury and Oxidative Stress in Zucker Obese Rats Enhanced by Dietary Protein. American Journal of Hypertension, 2007. 20(10): p. 1085-1091.

1009. Nakamura, T., et al., Pioglitazone Exerts Protective Effects Against Stroke in Stroke-Prone Spontaneously Hypertensive Rats, Independently of Blood Pressure. Stroke, 2007. 38(11): p. 3016-3022.

1010. Monden, Y., et al., Soluble TNF receptors prevent apoptosis in infiltrating cells and promote ventricular rupture and remodeling after myocardial infarction. Cardiovascular Research, 2007. 73(4): p. 794-805.

1011. Monden, Y., et al., Tumor necrosis factor-α is toxic via receptor 1 and protective via receptor 2 in a murine model of myocardial infarction. American Journal of Physiology-Heart and Circulatory Physiology, 2007. 293(1): p. H743-H753.

1012. Mawatari, E., et al., AMLODIPINE PREVENTS MONOCROTALINE-INDUCED PULMONARY ARTERIAL HYPERTENSION AND PROLONGS SURVIVAL IN RATS INDEPENDENT OF BLOOD PRESSURE LOWERING. Clinical and Experimental Pharmacology and Physiology, 2007. 34(7): p. 594-600.

1013. Matsumoto, Y., et al., Dimethylarginine Dimethylaminohydrolase Prevents Progression of Renal Dysfunction by Inhibiting Loss of Peritubular Capillaries and Tubulointerstitial Fibrosis in a Rat Model of Chronic Kidney Disease. Journal of the American Society of Nephrology, 2007. 18(5).

1014. Matsuda, Y., et al., Comparison of Newly Developed Inhalation Anesthesia System and Intraperitoneal Anesthesia on the Hemodynamic State in Mice. Biological and Pharmaceutical Bulletin, 2007. 30(9): p. 1716-1720.

1015. Matsuda, Y., et al., NARCOBIT-A Newly Developed Inhalational Anesthesia System for Mice. Experimental Animals, 2007. 56(2): p. 131-137.

1016. Liu, D.-Z., et al., Antihypertensive Activities of a Solid-State Culture of <I>Taiwanofungus camphoratus</I> (Chang-Chih) in Spontaneously Hypertensive Rats. Bioscience, Biotechnology, and Biochemistry, 2007. 71(1): p. 23-30.

1017. Kurokawa, A., et al., 2-Methoxyestradiol Reduces Monocyte Adhesion to Aortic Endothelial Cells in Ovariectomized Rats. Endocrine Journal, 2007. 54(6): p. 1027-1031.

1018. Kitaura, H., et al., Roles of nitric oxide as a vasodilator in neurovascular coupling of mouse somatosensory cortex. Neuroscience Research, 2007. 59(2): p. 160-171.

1019. Kawanishi, H., et al., INVOLVEMENT OF THE ENDOTHELIN ETB RECEPTOR IN GENDER DIFFERENCES IN DEOXYCORTICOSTERONE ACETATE-SALT-INDUCED HYPERTENSION. Clinical and Experimental Pharmacology and Physiology, 2007. 34(4): p. 280-285.

1020. Kamijo, Y., et al., Peroxisome proliferator–activated receptor α protects against glomerulonephritis induced by long-term exposure to the plasticizer Di-(2-Ethylhexyl) phthalate. Journal of the American Society of Nephrology, 2007. 18(1).

1021. Iwai, K. and H. Matsue, Ingestion of Apios americana Medikus tuber suppresses blood pressure and improves plasma lipids in spontaneously hypertensive rats. Nutrition Research, 2007. 27(4): p. 218-224.

1022. Ito, K.M., et al., Impairment of endothelium-dependent relaxation of aortas and pulmonary arteries from spontaneously hyperlipidemic mice (Apodemus sylvaticus). Vascular Pharmacology, 2007. 47(2): p. 166-173.

1023. Ikeda, F., et al., Angiotensin II Type 1 Receptor Blocker Reduces Monocyte Adhesion to Endothelial Cells in Spontaneously Hypertensive Rats. Endocrine Journal, 2007. 54(4): p. 605-612.

1024. Ichihara, S., et al., A Role for the Aryl Hydrocarbon Receptor in Regulation of Ischemia-Induced Angiogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007. 27(6): p. 1297-1304.

1025. Hirabara, Y., et al., A High-Sodium Diet in Streptozotocin-Induced Diabetic Rats Impairs Endothelium-Derived Hyperpolarizing Factor-Mediated Vasodilation. Journal of Pharmacological Sciences, 2007. 104(4): p. 402-405.

1026. Hattori, K., et al., Arrhythmia induced by spatiotemporal overexpression of calreticulin in the heart. Mol Genet Metab, 2007. 91(3): p. 285-93.

1027. Gao, M., et al., 1-Aminocyclopropanecarboxylic Acid, an Antagonist of N-Methyl-D-Aspartate Receptors, Causes Hypotensive and Antioxidant Effects with Upregulation of Heme Oxygenase-1 in Stroke-Prone Spontaneously

Hypertensive Rats. Hypertension Research, 2007. 30(3): p. 249-257.

1028. Friebe, A., et al., Fatal gastrointestinal obstruction and hypertension in mice lacking nitric oxide-sensitive guanylyl cyclase. Proceedings of the National Academy of Sciences, 2007. 104(18): p. 7699-7704.

1029. Deguchi, E., et al., Dipeptidase-Inactivated tACE Action In Vivo: Selective Inhibition of Sperm-Zona Pellucida Binding in the Mouse1. Biology of Reproduction, 2007. 77(5): p. 794-802.

1030. Daikoku, R., et al., Body water balance and body temperature in vasopressin V1b receptor knockout mice. Autonomic Neuroscience, 2007. 136(1): p. 58-62.

1031. Anas, C., et al., Effects of olprinone, a phosphodiesterase III inhibitor, on ischemic acute renal failure. International Journal of Urology, 2007. 14(3): p. 219-225.

1032. 孙广萍, Rho 激酶在醛固酮肾脏损伤中的作用. 2007, 中国医科大学.

1033. Zhao, H., et al., RECS1 deficiency in mice induces susceptibility to cystic medial degeneration. Genes & Genetic Systems, 2006. 81(1): p. 41-50.

1034. Zhang, M., et al., Effects of eicosapentaenoic acid on the early stage of type 2 diabetic nephropathy in KKAy/Ta mice: involvement of anti-inflammation and antioxidative stress. Metabolism, 2006. 55(12): p. 1590-1598.

1035. Wu, X., et al., Combined MMF and insulin therapy prevents renal injury in experimental diabetic rats. Cytokine, 2006. 36(5): p. 229-236.

1036. Vonhoff, C., et al., Extract of Lycopus europaeus L. reduces cardiac signs of hyperthyroidism in rats. Life Sciences, 2006. 78(10): p. 1063-1070.

1037. Usui, S.-i., et al., Upregulated Neurohumoral Factors are Associated With Left Ventricular Remodeling and Poor Prognosis in Rats With Monocrotaline-Induced Pulmonary Arterial Hypertension. Circulation Journal, 2006. 70(9): p. 1208-1215.

1038. Urabe, A., et al., Effects of Eplerenone and Salt Intake on Left Ventricular Remodeling after Myocardial Infarction in Rats. Hypertension Research, 2006. 29(8): p. 627-634.

1039. Uemura, T., et al., Effect of YM-254890, a specific Gαq/11 inhibitor, on experimental peripheral arterial disease in rats. European Journal of Pharmacology, 2006. 536(1): p. 154-161.

1040. Tsunakawa, M., et al., Preventive effects of Daisaikoto on metabolic disorders in spontaneous obese type II diabetes mice. Journal of Traditional Medicines, 2006. 23(6): p. 216-223.

1041. Suzuki, A., et al., Chlorogenic acid attenuates hypertension and improves endothelial function in spontaneously hypertensive rats. Journal of Hypertension, 2006. 24(6).

1042. Suzuki, A., et al., Improvement of hypertension and vascular dysfunction by hydroxyhydroquinone-free coffee in a genetic model of hypertension. FEBS Letters, 2006. 580(9): p. 2317-2322.

1043. Schwenke, D.O., et al., Does central nitric oxide chronically modulate the acute hypoxic ventilatory response in conscious rats? Acta Physiologica, 2006. 186(4): p. 309-318.

1044. Saiga, A., et al., Action Mechanism of an Angiotensin I-Converting Enzyme Inhibitory Peptide Derived from Chicken Breast Muscle. Journal of Agricultural and Food Chemistry, 2006. 54(3): p. 942-945.

1045. Omori, S., et al., Extracellular signal–regulated kinase inhibition slows disease progression in mice with polycystic kidney disease. Journal of the American Society of Nephrology, 2006. 17(6).

1046. Okano, 聽. and 聽. Ohkubo, Elevated plasma nitric oxide metabolites in hypertension: Synergistic vasodepressor effects of a static magnetic field and nicardipine in spontaneously hypertensive rats. Clinical Hemorheology and Microcirculation, 2006. 34(1-2): p. 303-308.

1047. Nakano, D., et al., Sesamin Metabolites Induce an Endothelial Nitric Oxide-Dependent Vasorelaxation through Their Antioxidative Property-Independent Mechanisms: Possible Involvement of the Metabolites in the Antihypertensive Effect of Sesamin. The Journal of Pharmacology and Experimental Therapeutics, 2006. 318(1): p. 328-335.

1048. Mergia, E., et al., Spare guanylyl cyclase NO receptors ensure high NO sensitivity in the vascular system. The Journal of Clinical Investigation, 2006. 116(6): p. 1731-1737.

1049. Matsumoto, T., T. Kobayashi, and K. Kamata, Mechanisms underlying lysophosphatidylcholine-induced potentiation of vascular contractions in the Otsuka Long-Evans Tokushima Fatty (OLETF) rat aorta. British Journal of Pharmacology, 2006. 149(7): p. 931-941.

1050. Matsuguma, K., et al., Molecular Mechanism for Elevation of Asymmetric Dimethylarginine and Its Role for Hypertension in Chronic Kidney Disease. Journal of the American Society of Nephrology, 2006. 17(8).
1051. Masuyama, H., et al., Soluble guanylate cyclase stimulation on cardiovascular remodeling in angiotensin II–induced hypertensive rats. Hypertension, 2006. 48(5): p. 972-978.
1052. Lin, C.-L., et al., Effects of tuber storage protein of yam (Dioscorea alata cv. Tainong No. 1) and its peptic hydrolyzates on spontaneously hypertensive rats. Journal of the Science of Food and Agriculture, 2006. 86(10): p. 1489-1494.
1053. Kosugi, R., et al., Angiotensin II Receptor Antagonist Attenuates Expression of Aging Markers in Diabetic Mouse Heart. Circulation Journal, 2006. 70(4): p. 482-488.
1054. Kitayama, H., et al., Regulation of angiogenic factors in angiotensin II infusion model in association with tubulointerstitial injuries. American Journal of Hypertension, 2006. 19(7): p. 718-727.
1055. Kim, M.-J., et al., Antihypertensive Effects of Gynura procumbens Extract in Spontaneously Hypertensive Rats. Journal of Medicinal Food, 2006. 9(4): p. 587-590.
1056. Kanda, T., et al., Rho-kinase as a molecular target for insulin resistance and hypertension. The FASEB Journal, 2006. 20(1): p. 169-171.
1057. Jung, W.-K., et al., Angiotensin I-converting enzyme inhibitory peptide from yellowfin sole (Limanda aspera) frame protein and its antihypertensive effect in spontaneously hypertensive rats. Food Chemistry, 2006. 94(1): p. 26-32.
1058. Ito, T., et al., Glomerular changes in the KK-Ay/Ta mouse: A possible model for human type 2 diabetic nephropathy. Nephrology, 2006. 11(1): p. 29-35.
1059. Hasegawa, H., et al., Amelioration of Hypertensive Heart Failure by Amlodipine May Occur via Antioxidative Effects. Hypertension Research, 2006. 29(9): p. 719-729.
1060. Hase, M., et al., Renoprotective effects of tea catechin in streptozotocin-induced diabetic rats. International urology and nephrology, 2006. 38(3): p. 693-699.
1061. Harauma, A. and T. Moriguchi, Aged Garlic Extract Improves Blood Pressure in Spontaneously Hypertensive Rats More Safely than Raw Garlic12. The Journal of Nutrition, 2006. 136(3): p. 769S-773S.
1062. Hagiwara, S., et al., Eicosapentaenoic acid ameliorates diabetic nephropathy of type 2 diabetic KKA y /Ta mice: Involvement of MCP-1 suppression and decreased ERK1/2 and p38 phosphorylation. Nephrology Dialysis Transplantation, 2006. 21(3): p. 605-615.
1063. Fujii, A., et al., Role of gp91phox-containing NADPH oxidase in the deoxycorticosterone acetate-salt-induced hypertension. European Journal of Pharmacology, 2006. 552(1): p. 131-134.
1064. Chiu, L.-H., G.-S.W. Hsu, and Y.-F. Lu, ANTIHYPERTENSIVE CAPACITY OF DEFATTED SOFT-SHELLED TURTLE POWDER AFTER HYDROLYSIS BY GASTROINTESTINAL ENZYMES. Journal of Food Biochemistry, 2006. 30(5): p. 589-603.
1065. Asai, T., et al., Combined therapy with PPARα agonist and l-carnitine rescues lipotoxic cardiomyopathy due to systemic carnitine deficiency. Cardiovascular Research, 2006. 70(3): p. 566-577.
1066. Yozai, K., et al., Methotrexate Prevents Renal Injury in Experimental Diabetic Rats via Anti-Inflammatory Actions. Journal of the American Society of Nephrology, 2005. 16(11).
1067. Yoshimura, K., et al., Regression of abdominal aortic aneurysm by inhibition of c-Jun N-terminal kinase. Nature Medicine, 2005. 11(12): p. 1330-1338.
1068. Yoshida, J., et al., Different effects of long- and short-acting loop diuretics on survival rate in Dahl high-salt heart failure model rats. Cardiovascular Research, 2005. 68(1): p. 118-127.
1069. Tsuruda, T., et al., Antifibrotic effect of adrenomedullin on coronary adventitia in angiotensin II-induced hypertensive rats. Cardiovascular Research, 2005. 65(4): p. 921-929.
1070. Tsuchiya, K., et al., Nitrite is an alternative source of NO in vivo. American Journal of Physiology-Heart and Circulatory Physiology, 2005. 288(5): p. H2163-H2170.
1071. Takayama, K., et al., Thromboxane A2 and prostaglandin F2α mediate inflammatory tachycardia. Nature Medicine, 2005. 11(5): p. 562-566.
1072. Takahashi, R., et al., Dietary fish oil attenuates cardiac hypertrophy in lipotoxic cardiomyopathy due to systemic

carnitine deficiency. Cardiovascular Research, 2005. 68(2): p. 213-223.

1073. Sugiyama, H., et al., Telmisartan inhibits both oxidative stress and renal fibrosis after unilateral ureteral obstruction in acatalasemic mice. Nephrology Dialysis Transplantation, 2005. 20(12): p. 2670-2680.

1074. Sugawara, T., et al., Candesartan reduces superoxide production after global cerebral ischemia. NeuroReport, 2005. 16(4).

1075. Pan, D., Y. Luo, and M. Tanokura, Antihypertensive peptides from skimmed milk hydrolysate digested by cell-free extract of Lactobacillus helveticus JCM1004. Food Chemistry, 2005. 91(1): p. 123-129.

1076. Ogawa, H., M. Ohno, and K. Baba, Hypotensive and lipid regulatory actions of 4-hydroxyderricin, a chalcone from Angelica keiskei, in stroke-prone spontaneously hypertensive rats. Clinical and Experimental Pharmacology and Physiology, 2005. 32(1-2): p. 19-23.

1077. Nagai, Y., et al., Temporary Angiotensin II Blockade at the Prediabetic Stage Attenuates the Development of Renal Injury in Type 2 Diabetic Rats. Journal of the American Society of Nephrology, 2005. 16(3).

1078. Mishima, S., et al., Antihypertensive Effects of Brazilian Propolis: Identification of Caffeoylquinic Acids as Constituents Involved in the Hypotension in Spontaneously Hypertensive Rats. Biological and Pharmaceutical Bulletin, 2005. 28(10): p. 1909-1914.

1079. Matsuki, T., et al., Involvement of Tumor Necrosis Factor-α in the Development of T Cell–Dependent Aortitis in Interleukin-1 Receptor Antagonist–Deficient Mice. Circulation, 2005. 112(9): p. 1323-1331.

1080. Maeda, K., et al., Rapamycin Ameliorates Experimental Autoimmune Myocarditis. International heart journal, 2005. 46(3): p. 513-530.

1081. Liao, Y., et al., Amlodipine ameliorates myocardial hypertrophy by inhibiting EGFR phosphorylation. Biochemical and biophysical research communications, 2005. 327(4): p. 1083-1087.

1082. Kudo, Y., et al., Hypoxia-inducible factor-1α is involved in the attenuation of experimentally induced rat glomerulonephritis. Nephron Experimental Nephrology, 2005. 100(2): p. e95-e103.

1083. Konda, T., et al., The N- and L-Type Calcium Channel Blocker Cilnidipine Suppresses Renal Injury in Dahl Rats Fed a High-Sucrose Diet, an Experimental Model of Metabolic Syndrome. Nephron Physiology, 2005. 101(1): p. p1-p13.

1084. Kobayashi, M., et al., Catalase deficiency renders remnant kidneys more susceptible to oxidant tissue injury and renal fibrosis in mice. Kidney International, 2005. 68(3): p. 1018-1031.

1085. Kato, H., et al., Enhanced erythropoiesis mediated by activation of the renin-angiotensin system via angiotensin II type 1a receptor. The FASEB Journal, 2005. 19(14): p. 2023-2025.

1086. Kanda, T., et al., Role of Rho-kinase and p27 in angiotensin II–induced vascular injury. Hypertension, 2005. 45(4): p. 724-729.

1087. Inoue, K., et al., Overexpression of lectin-like oxidized low-density lipoprotein receptor-1 induces intramyocardial vasculopathy in apolipoprotein E–null mice. Circulation Research, 2005. 97(2): p. 176-184.

1088. Hasegawa, H., et al., Pioglitazone, a peroxisome proliferator-activated receptor γ activator, ameliorates experimental autoimmune myocarditis by modulating Th1/Th2 balance. Journal of molecular and cellular cardiology, 2005. 38(2): p. 257-265.

1089. Hara, A., et al., Augmented Cardiac Hypertrophy in Response to Pressure Overload in Mice Lacking the Prostaglandin I2 Receptor. Circulation, 2005. 112(1): p. 84-92.

1090. Akishita, M., et al., Renin-angiotensin system modulates oxidative stress–induced endothelial cell apoptosis in rats. Hypertension, 2005. 45(6): p. 1188-1193.

1091. Wahed, M.I.I., et al., Effects of Pranidipine, a Novel Calcium Channel Antagonist, on the Progression of Left Ventricular Dysfunction and Remodeling in Rats with Heart Failure. Pharmacology, 2004. 72(1): p. 26-32.

1092. Tsukahara, C., et al., Blood pressure in 15 inbred mouse strains and its lack of relation with obesity and insulin resistance in the progeny of an NZO/HILtJ× C3H/HeJ intercross. Mammalian Genome, 2004. 15(12): p. 943-950.

1093. Tokunaga, K.-h., et al., Antihypertensive Effect of Peptides from Royal Jelly in Spontaneously Hypertensive Rats. Biological and Pharmaceutical Bulletin, 2004. 27(2): p. 189-192.

1094. Tazawa, N., et al., Exaggerated Vascular and Renal Pathology in Endothelin-B-receptor-deficient Rats with Subtotal Nephrectomy. Journal of Cardiovascular Pharmacology, 2004. 44.

1095. Tanimoto, M., et al., Effect of pioglitazone on the early stage of type 2 diabetic nephropathy in KK/Ta mice. Metabolism, 2004. 53(11): p. 1473-1479.

1096. Tanaka, Y., et al., Effects of Bradykinin on Cardiovascular Remodeling in Renovascular Hypertensive Rats. Hypertension Research, 2004. 27(11): p. 865-875.

1097. Tanaka, K. and T. Nakaki, Reduced renal ClC-5 Cl− channel expression in spontaneously hypertensive rats with microalbuminuria. European Journal of Pharmacology, 2004. 501(1): p. 185-189.

1098. Tai, M.-H., et al., Gene delivery of endothelial nitric oxide synthase into nucleus tractus solitarii induces biphasic response in cardiovascular functions of hypertensive rats. American Journal of Hypertension, 2004. 17(1): p. 63-70.*

1099. Sasaki, M., et al., Losartan ameliorates progression of glomerular structural changes in diabetic KKAy mice. Life Sciences, 2004. 75(7): p. 869-880.

1100. Saito, T., et al., An essential role for angiotensin II Type 1a receptor in pregnancy-associated hypertension with intrauterine growth retardation. The FASEB Journal, 2004. 18(2): p. 1-17.

1101. Onuma, S. and K. Nakanishi, Superoxide dismustase mimetic tempol decreases blood pressure by increasing renal medullary blood flow in hyperinsulinemic-hypertensive rats. Metabolism, 2004. 53(10): p. 1305-1308.

1102. Ogita, H., et al., Raloxifene Prevents Cardiac Hypertrophy and Dysfunction in Pressure-Overloaded Mice. Hypertension, 2004. 43(2): p. 237-242.

1103. Nishiyama, A., et al., Effects of AT1 receptor blockade on renal injury and mitogen-activated protein activity in Dahl salt-sensitive rats. Kidney International, 2004. 65(3): p. 972-981.

1104. Nishiyama, A., et al., The SOD Mimetic Tempol Ameliorates Glomerular Injury and Reduces Mitogen-Activated Protein Kinase Activity in Dahl Salt-Sensitive Rats. Journal of the American Society of Nephrology, 2004. 15(2).

1105. Nishiyama, A., et al., Possible Contributions of Reactive Oxygen Species and Mitogen-Activated Protein Kinase to Renal Injury in Aldosterone/Salt-Induced Hypertensive Rats. Hypertension, 2004. 43(4): p. 841-848.

1106. Nimata, M., et al., Beneficial effects of olmesartan, a novel angiotensin II receptor type 1 antagonist, upon acute autoimmune myocarditis. Molecular and Cellular Biochemistry, 2004. 259(1): p. 217-222.

1107. Matsui, T., et al., Tissue distribution of antihypertensive dipeptide, Val-Tyr, after its single oral administration to spontaneously hypertensive rats. Journal of Peptide Science, 2004. 10(9): p. 535-545.

1108. Maeda, H., et al., Structural Characterization and Biological Activities of an Exopolysaccharide Kefiran Produced by Lactobacillus kefiranofaciens WT-2BT. Journal of Agricultural and Food Chemistry, 2004. 52(17): p. 5533-5538.

1109. Liao, Y., et al., Celiprolol, A Vasodilatory β-Blocker, Inhibits Pressure Overload–Induced Cardiac Hypertrophy and Prevents the Transition to Heart Failure via Nitric Oxide–Dependent Mechanisms in Mice. Circulation, 2004. 110(6): p. 692-699.

1110. Li, J., et al., Effects of fiber intake on the blood pressure, lipids, and heart rate in Goto Kakizaki rats. Nutrition, 2004. 20(11): p. 1003-1007.

1111. Kobayashi, T., et al., Impairment of PI3-K/Akt Pathway Underlies Attenuated Endothelial Function in Aorta of Type 2 Diabetic Mouse Model. Hypertension, 2004. 44(6): p. 956-962.

1112. Kiyoshima, A., et al., Changes of the cerebral mannitol concentrations in the course of brain death of a rodent model. Legal Medicine, 2004. 6(2): p. 117-124.

1113. Kim, E.-H., et al., Changes of Renal Lesion-Related Parameters in FGS/Nga and the Parental Mouse Strains, CBA/N and RFM/Nga. Experimental Animals, 2004. 53(2): p. 97-102.

1114. Hayakawa, K., et al., Effect of a γ-aminobutyric acid-enriched dairy product on the blood pressure of spontaneously hypertensive and normotensive Wistar–Kyoto rats. British Journal of Nutrition, 2004. 92(3): p. 411-417.

1115. Hashimoto, N., et al., Overexpression of angiotensin type 2 receptor ameliorates glomerular injury in a mouse remnant kidney model. American Journal of Physiology-Renal Physiology, 2004. 286(3): p. F516-F525.

1116. Hagiwara, M., et al., Renal Protective Role of Bradykinin B1 Receptor in Stroke-Prone Spontaneously Hypertensive Rats. Hypertension Research, 2004. 27(6): p. 399-408.

1117. Fujii, N., et al., Saturated glucose uptake capacity and impaired fatty acid oxidation in hypertensive hearts before development of heart failure. American Journal of Physiology-Heart and Circulatory Physiology, 2004. 287(2): p. H760-H766.

1118. Fan, Q., et al., Candesartan reduced advanced glycation end-products accumulation and diminished nitro-oxidative stress in type 2 diabetic KK/Ta mice. Nephrology Dialysis Transplantation, 2004. 19(12): p. 3012-3020.

1119. Asai, M., et al., Spironolactone in Combination with Cilazapril Ameliorates Proteinuria and Renal Interstitial Fibrosis in Rats with Anti-Thy-1 Irreversible Nephritis. Hypertension Research, 2004. 27(12): p. 971-978.

1120. Yuan, Z., et al., Peroxisome proliferation-activated receptor-γ ligands ameliorate experimental autoimmune myocarditis. Cardiovascular Research, 2003. 59(3): p. 685-694.

1121. Yuan, Z., C. Kishimoto, and K. Shioji, Beneficial Effects of Low-Dose Benidipine in Acute Autoimmune Myocarditis

1122. Suppressive Effects on Inflammatory Cytokines and Inducible Nitric Oxide Synthase. Circulation Journal, 2003. 67(6): p. 545-550.

1123. Yokota, K., et al., Role of Bradykinin in Renoprotective Effects by Angiotensin II Type 1 Receptor Antagonist in Salt-Sensitive Hypertension. Hypertension Research, 2003. 26(3): p. 265-272.

1124. Yanamoto, H., et al., Evaluation of MCAO stroke models in normotensive rats: standardized neocortical infarction by the 3VO technique. Experimental Neurology, 2003. 182(2): p. 261-274.

1125. Takei, T., et al., Anesthetic Sensitivities to Propofol and Halothane in Mice Lacking the R-Type (Cav2.3) Ca2+ Channel. Anesthesia & Analgesia, 2003. 97(1).

1126. Takei, T., et al., Increased sensitivity to halothane but decreased sensitivity to propofol in mice lacking the N-type Ca2+ channel. Neuroscience letters, 2003. 350(1): p. 41-45.

1127. Takahashi, R., et al., Impact of α-tocopherol on cardiac hypertrophy due to energy metabolism disorder: the involvement of 1, 2-diacylglycerol. Cardiovascular Research, 2003. 58(3): p. 565-574.

1128. Takahashi, N., et al., Angiotensin II-Induced Ventricular Hypertrophy and Extracellular Signal-Regulated Kinase Activation Are Suppressed in Mice Overexpressing Brain Natriuretic Peptide in Circulation. Hypertension Research, 2003. 26(10): p. 847-853.

1129. Tachikawa, H., et al., Angiotensin II Type 1 Receptor Blocker, Valsartan, Prevented Cardiac Fibrosis in Rat Cardiomyopathy after Autoimmune Myocarditis. Journal of Cardiovascular Pharmacology, 2003. 41.

1130. Suganami, T., et al., Role of Prostaglandin E Receptor EP1 Subtype in the Development of Renal Injury in Genetically Hypertensive Rats. Hypertension, 2003. 42(6): p. 1183-1190.

1131. Suga, S.-i., et al., Endothelin A Receptor Blockade and Endothelin B Receptor Blockade Improve Hypokalemic Nephropathy by Different Mechanisms. Journal of the American Society of Nephrology, 2003. 14(2).

1132. Shikata, C., A. Takeda, and N. Takeda, Effect of an ACE inhibitor and an AT1 receptor antagonist on cardiac hypertrophy. Molecular and Cellular Biochemistry, 2003. 248(1): p. 197-202.

1133. Seki, S., et al., Impaired Ca2+ handling in perfused hypertrophic hearts from Dahl salt-sensitive rats. Hypertension Research, 2003. 26(8): p. 643-653.

1134. Saiga, A., et al., Angiotensin I-Converting Enzyme Inhibitory Peptides in a Hydrolyzed Chicken Breast Muscle Extract. Journal of Agricultural and Food Chemistry, 2003. 51(6): p. 1741-1745.

1135. Okano, H. and C. Ohkubo, Effects of static magnetic fields on plasma levels of angiotensin II and aldosterone associated with arterial blood pressure in genetically hypertensive rats. Bioelectromagnetics, 2003. 24(6): p. 403-412.

1136. Ogawa, H. and S. Mochizuki, Hypocholesterolaemic effects of an ethanol precipitate of Kabosu juice in stroke-prone spontaneously hypertensive rats fed a cholesterol-free diet. Clinical and Experimental Pharmacology and Physiology, 2003. 30(8): p. 532-536.

1137. Nakano, D., et al., Effects of Sesamin on Aortic Oxidative Stress and Endothelial Dysfunction in Deoxycorticosterone Acetate-Salt Hypertensive Rats. Biological and Pharmaceutical Bulletin, 2003. 26(12): p. 1701-1705.

1138. Murakami, M., et al., Modified cardiovascular L-type channels in mice lacking the voltage-dependent Ca2+ channel β3 subunit. Journal of Biological Chemistry, 2003. 278(44): p. 43261-43267.

1139. Mochizuki, S., et al., The Effect of Bradykinin on the Remodeling of Pressure-Overloaded Myocardium, in Cardiac Remodeling and Failure. 2003, Springer US: Boston, MA. p. 279-292.

1140. Mitsui, T., et al., Hypertension and Angiotensin II Hypersensitivity in Aminopeptidase A—deficient Mice. Molecular Medicine, 2003. 9(1): p. 57-62.

1141. Matsui, T., et al., Depressor effect induced by dipeptide, Val-Tyr, in hypertensive transgenic mice is due, in part, to the suppression of human circulating renin–angiotensin system. Clinical and Experimental Pharmacology and Physiology, 2003. 30(4): p. 262-265.
1142. Liao, Y., et al., Activation of Adenosine A1 Receptor Attenuates Cardiac Hypertrophy and Prevents Heart Failure in Murine Left Ventricular Pressure-Overload Model. Circulation Research, 2003. 93(8): p. 759-766.
1143. Kirima, K., et al., Evaluation of systemic blood NO dynamics by EPR spectroscopy: HbNO as an endogenous index of NO. American Journal of Physiology-Heart and Circulatory Physiology, 2003. 285(2): p. H589-H596.
1144. Kawai, K., N. Nishio, and F. Horio, Characteristics of Ascorbic Acid Metabolism in Scurvy-Prone Spontaneously Hypertensive Rat, SHR-od. Journal of Nutritional Science and Vitaminology, 2003. 49(1): p. 1-6.
1145. Hasegawa, H., et al., 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitors prevent the development of cardiac hypertrophy and heart failure in rats. Journal of molecular and cellular cardiology, 2003. 35(8): p. 953-960.
1146. Hagiwara, K., et al., The Effect of Taurine on the Salt-Dependent Blood Pressure Increase in the Voltage-Dependent Calcium Channel β3-Subunit-Deficient Mouse. Journal of Cardiovascular Pharmacology, 2003. 41.
1147. Fan, Q., et al., Gene expression profile in diabetic KK/Ta mice. Kidney International, 2003. 64(6): p. 1978-1985.
1148. Cao, Y.-N., et al., Chronic Salt Loading Upregulates Expression of Adrenomedullin and Its Receptors in Adrenal Glands and Kidneys of the Rat. Hypertension, 2003. 42(3): p. 369-372.
1149. Awazu, M., et al., The Lack of Cyclin Kinase Inhibitor p27Kip1 Ameliorates Progression of Diabetic Nephropathy. Journal of the American Society of Nephrology, 2003. 14(3).
1150. Yokoyama, C., et al., Prostacyclin-Deficient Mice Develop Ischemic Renal Disorders, Including Nephrosclerosis and Renal Infarction. Circulation, 2002. 106(18): p. 2397-2403.
1151. Uchida, T., et al., Quinapril Treatment Restores The Vasodilator Action Of Insulin In Fructose-Hypertensive Rats. Clinical and Experimental Pharmacology and Physiology, 2002. 29(5-6): p. 381-385.
1152. Tanoue, A., et al., Role of the α1D-Adrenegric Receptor in the Development of Salt-Induced Hypertension. Hypertension, 2002. 40(1): p. 101-106.
1153. Tanahashi, T., et al., Glycyrrhizic acid suppresses type 2 11β-hydroxysteroid dehydrogenase expression in vivo. The Journal of Steroid Biochemistry and Molecular Biology, 2002. 80(4): p. 441-447.
1154. Suzuki, A., et al., Green Coffee Bean Extract and Its Metabolites Have a Hypotensive Effect in Spontaneously Hypertensive Rats. Hypertension Research, 2002. 25(1): p. 99-107.
1155. Suzuki, A., et al., Short- and long-term effects of ferulic acid on blood pressure in spontaneously hypertensive rats. American Journal of Hypertension, 2002. 15(4): p. 351-357.
1156. Shindo, T., et al., Renal damage and salt-dependent hypertension in aged transgenic mice overexpressing endothelin-1. Journal of Molecular Medicine, 2002. 80(2): p. 105-116.
1157. Ogihara, T., et al., High-Salt Diet Enhances Insulin Signaling and Induces Insulin Resistance in Dahl Salt-Sensitive Rats. Hypertension, 2002. 40(1): p. 83-89.
1158. Nishina, T., et al., A Rat Model Of Ischaemic Or Dilated Cardiomyopathy For Investigating Left Ventricular Repair Surgery. Clinical and Experimental Pharmacology and Physiology, 2002. 29(8): p. 728-730.
1159. Matsumura, Y., et al., Preventive Effect of a Chicken Extract on the Development of Hypertension in Stroke-prone Spontaneously Hypertensive Rats. Bioscience, Biotechnology, and Biochemistry, 2002. 66(5): p. 1108-1110.
1160. Matsui, T., et al., Gastrointestinal enzyme production of bioactive peptides from royal jelly protein and their antihypertensive ability in SHR. The Journal of nutritional biochemistry, 2002. 13(2): p. 80-86.
1161. Liao, Y., et al., Echocardiographic assessment of LV hypertrophy and function in aortic-banded mice: necropsy validation. American Journal of Physiology-Heart and Circulatory Physiology, 2002. 282(5): p. H1703-H1708.
1162. Iwashita, S., M. Tanida, and M. Suzuki, Decreased skeletal muscle insulin receptors in high-fat diet-related hypertensive rats. Nutrition Research, 2002. 22(9): p. 1049-1053.
1163. Hayakawa, K., M. Kimura, and K. Kamata, Mechanism underlying γ-aminobutyric acid-induced antihypertensive effect in spontaneously hypertensive rats. European Journal of Pharmacology, 2002. 438(1): p. 107-113.
1164. Chen, Y.-H., et al., Antihypertensive Effect of an Enzymatic Hydrolysate of Chicken Essence Residues. Food Science and Technology Research, 2002. 8(2): p. 144-147.

1165. Asakura, M., et al., Cardiac hypertrophy is inhibited by antagonism of ADAM12 processing of HB-EGF: Metalloproteinase inhibitors as a new therapy. Nature Medicine, 2002. 8(1): p. 35-40.

1166. Yoshii, H., et al., Antihypertensive effect of ACE inhibitory oligopeptides from chicken egg yolks. Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, 2001. 128(1): p. 27-33.

1167. Takeshita, S., et al., Angiotensin-converting enzyme inhibition improves defective angiogenesis in the ischemic limb of spontaneously hypertensive rats. Cardiovascular Research, 2001. 52(2): p. 314-320.

1168. Sutoo, D. and K. Akiyama, Opposite Effects of Calcium and Magnesium on the Central Blood Pressure Regulation in the Spontaneously Hypertensive Rats. Japanese Journal of Pharmacology, 2001. 86(3): p. 366-368.

1169. Suganami, T., et al., Overexpression of Brain Natriuretic Peptide in Mice Ameliorates Immune-Mediated Renal Injury. Journal of the American Society of Nephrology, 2001. 12(12).

1170. Ogihara, T., et al., Insulin resistance with enhanced insulin signaling in high-salt diet–fed rats. Diabetes, 2001. 50(3): p. 573-583.

1171. Noda, M., et al., Involvement of Angiotensin II in Progression of Renal Injury in Rats With Genetic Non-insulin-Dependent Diabetes Mellitus (Wistar Fatty Rats). Japanese Journal of Pharmacology, 2001. 85(4): p. 416-422.

1172. Nishina, T., et al., Initial Effects of the Left Ventricular Repair by Plication May Not Last Long in a Rat Ischemic Cardiomyopathy Model. Circulation, 2001. 104(suppl_1): p. I-241-I-245.

1173. Matsumura, Y., et al., Antihypertensive Effects of Chicken Extract against Deoxycorticosterone Acetate-Salt-Induced Hypertension in Rats. Biological and Pharmaceutical Bulletin, 2001. 24(10): p. 1181-1184.

1174. Matsumura, Y., S. Kita, and T. Okui, Potentiation by endothelin-1 of vasoconstrictor response in stroke-prone spontaneously hypertensive rats. European Journal of Pharmacology, 2001. 415(1): p. 45-49.

1175. Matsumura, Y., S. Kita, and T. Okui, Mechanisms Of Endothelin-1-Induced Potentiation Of Noradrenaline Response In Rat Mesenteric Artery. Clinical and Experimental Pharmacology and Physiology, 2001. 28(7): p. 540-544.

1176. Kyriakopoulou, I., et al., Samioside, a new phenylethanoid glycoside with free-radical scavenging and antimicrobial activities from Phlomis samia. J Nat Prod, 2001. 64(8): p. 1095-7.

1177. Kamiya, H., et al., Antioxidant changes in the hypertrophied heart due to energy metabolic disorder. Basic Research in Cardiology, 2001. 96(5): p. 431-438.

1178. Hayashi, K., et al., Involvement of 1,2-diacylglycerol in improvement of heart function by etomoxir in diabetic rats. Life Sciences, 2001. 68(13): p. 1515-1526.

1179. Hata, T., et al., Blood Pressure and Heart Rate Are Increased by AF-DX 116, a Selective M2 Antagonist, in Autonomic Imbalanced and Hypotensive Rats Caused by Repeated Cold Stress. Japanese Journal of Pharmacology, 2001. 85(3): p. 313-321.

1180. Fujimoto, K., et al., Decreased acetylcholine content and choline acetyltransferase mRNA expression in circulating mononuclear leukocytes and lymphoid organs of the spontaneously hypertensive rat. Life Sciences, 2001. 69(14): p. 1629-1638.

1181. Chen, M., et al., Diabetes Enhances Lectin-like Oxidized LDL Receptor-1 (LOX-1) Expression in the Vascular Endothelium: Possible Role of LOX-1 Ligand and AGE. Biochemical and biophysical research communications, 2001. 287(4): p. 962-968.

1182. Yanai, K., et al., Renin-dependent Cardiovascular Functions and Renin-independent Blood-Brain Barrier Functions Revealed by Renin-deficient Mice. Journal of Biological Chemistry, 2000. 275(1): p. 5-8.

1183. Sutoo, D.e. and K. Akiyama, Effect of cadmium or magnesium on calcium-dependent central function that reduces blood pressure. Archives of Toxicology, 2000. 74(1): p. 1-4.

1184. Shindo, T., et al., Hypotension and Resistance to Lipopolysaccharide-Induced Shock in Transgenic Mice Overexpressing Adrenomedullin in Their Vasculature. Circulation, 2000. 101(19): p. 2309-2316.

1185. Shimoyama, M., et al., Calcineurin Inhibitor Attenuates the Development and Induces the Regression of Cardiac Hypertrophy in Rats With Salt-Sensitive Hypertension. Circulation, 2000. 102(16): p. 1996-2004.

1186. Ortlepp, et al., A metabolic syndrome of hypertension, hyperinsulinaemia and hypercholesterolaemia in the New Zealand obese mouse. European Journal of Clinical Investigation, 2000. 30(3): p. 195-202.

1187. Murakami, T., et al., Mitochondrial Gene Expression in Hypertrophic Cardiac Muscles in Rats, in The Hypertrophied Heart. 2000, Springer US: Boston, MA. p. 41-49.

1188. Murakami, M., et al., Conserved Smooth Muscle Contractility and Blood Pressure Increase in Response to High-Salt Diet in Mice Lacking the β3 Subunit of the Voltage-Dependent Calcium Channel. Journal of Cardiovascular Pharmacology, 2000. 36.

1189. Matsumura, Y., et al., Effects of Sesamin on Altered Vascular Reactivity in Aortic Rings of Deoxycorticosterone Acetate-Salt-Induced Hypertensive Rat. Biological & Pharmaceutical Bulletin, 2000. 23(9): p. 1041-1045.

1190. Kasahara, M., et al., Ameliorated Glomerular Injury in Mice Overexpressing Brain Natriuretic Peptide with Renal Ablation. Journal of the American Society of Nephrology, 2000. 11(9).

1191. Kai, T. and K. Ishikawa, Lisinopril Reduces Left Ventricular Hypertrophy and Cardiac Polyamine Concentrations without a Reduction in Left Ventricular Wall Stress in Transgenic Tsukuba Hypertensive Mice. Hypertension Research, 2000. 23(6): p. 625-631.

1192. Hayashi, A., et al., Effects of Voluntary Running Exercise on Blood Pressure and Renin-Angiotensin System in Spontaneously Hypertensive Rats and Normotensive Wistar-Kyoto Rats. Journal of Nutritional Science and Vitaminology, 2000. 46(4): p. 165-170.

1193. Tsutsumi, Y., et al., Angiotensin II type 2 receptor overexpression activates the vascular kinin system and causes vasodilation. The Journal of Clinical Investigation, 1999. 104(7): p. 925-935.

1194. Sutoo, D.e. and K. Akiyama, Effect of dopamine receptor antagonists on the calcium-dependent central function that reduces blood pressure in spontaneously hypertensive rats. Neuroscience letters, 1999. 269(3): p. 133-136.

1195. Nishijo, N., et al., Vascular Remodeling in Hypertensive Transgenic Mice. Experimental Animals, 1999. 48(3): p. 203-208.

1196. Nishii, T., et al., Angiotensinogen gene–activating elements regulate blood pressure in the brain. Circulation Research, 1999. 85(3): p. 257-263.

1197. Nakamura, S., et al., Activation of the Brain Angiotensin System by In Vivo Human Angiotensin-Converting Enzyme Gene Transfer in Rats. Hypertension, 1999. 34(2): p. 302-308.

1198. Matsui, H., et al., Protective effects of carvedilol against doxorubicin-induced cardiomyopathy in rats. Life Sciences, 1999. 65(12): p. 1265-1274.

1199. Kai, T., et al., RENIN–ANGIOTENSIN SYSTEM STIMULATES CARDIAC AND RENAL DISORDERS IN TSUKUBA HYPERTENSIVE MICE. Clinical and Experimental Pharmacology and Physiology, 1999. 26(3): p. 206-211.

1200. Akiyama, K. and D.e. Sutoo, Rectifying effect of exercise on hypertension in spontaneously hypertensive rats via a calcium-dependent dopamine synthesizing system in the brain. Brain Research, 1999. 823(1): p. 154-160.

1201. Yamazaki, H., et al., Establishment of an adrenocortical carcinoma xenograft with normotensive hyperaldosteronism in vivo. APMIS, 1998. 106(7-12): p. 1056-1060.

1202. Taniguchi, K., et al., Pathologic characterization of hypotensive C57BL/6J-agt: angiotensinogen-deficient C57BL/6J mice. Int J Mol Med, 1998. 1(3): p. 583-590.

1203. Nozawa, T., et al., Dual-Tracer Assessment of Coupling Between Cardiac Sympathetic Neuronal Function and Downregulation of β-Receptors During Development of Hypertensive Heart Failure of Rats. Circulation, 1998. 97(23): p. 2359-2367.

1204. Nasa, Y., et al., Effects of the antihypertensive agent, cicletanine, on noradrenaline release and vasoconstriction in perfused mesenteric artery of SHR. British Journal of Pharmacology, 1998. 123(3): p. 427-434.

1205. Matsumura, Y., et al., Antihypertensive Effect of Sesamin. III. Protection against Development and Maintenance of Hypertension in Stroke-Prone Spontaneously Hypertensive Rats. Biological & Pharmaceutical Bulletin, 1998. 21(5): p. 469-473.

1206. Maki, S., et al., Endothelin-1 Expression in Hearts of Transgenic Hypertensive Mice Overexpressing Angiotensin II. Journal of Cardiovascular Pharmacology, 1998. 31.

1207. Kita, S., Y. Taguchi, and Y. Matsumura, Endothelin-1 Enhances Pressor Responses to Norepinephrine: Involvement of Endothelin-B Receptor. Journal of Cardiovascular Pharmacology, 1998. 31.

1208. Kita, S., et al., Effects of endothelin-1 on norepinephrine-induced vasoconstriction in deoxycorticosterone

acetate–salt hypertensive rats. European Journal of Pharmacology, 1998. 344(1): p. 53-57.

1209. Kai, T., et al., Inhibitory Effects of a Subdepressor Dose of L-158,809, an Angiotensin II Type 1 Receptor Antagonist, on Cardiac Hypertrophy and Nephropathy Via the Activated Human Renin-Angiotensin System in Double Transgenic Mice With Hypertension. JAPANESE CIRCULATION JOURNAL, 1998. 62(8): p. 599-603.

1210. Kai, T., et al., Tissue-localized angiotensin II enhances cardiac and renal disorders in Tsukuba hypertensive mice. Journal of Hypertension, 1998. 16(12).

1211. Ishida, J., et al., Rescue of Angiotensinogen-Knockout Mice. Biochemical and biophysical research communications, 1998. 252(3): p. 610-616.

1212. Ogawa, H., et al., Vitamin E Improves Cholesterol Metabolism in Hypercholesterolemic Stroke-Prone SHR (SHRSP). Japanese Heart Journal, 1997. 38(4): p. 603-603.

1213. Takai, S., et al., Antinociceptive effects of angiotensin-converting enzyme inhibitors and an angiotensin II receptor antagonist in mice. Life Sciences, 1996. 59(21): p. PL331-PL336.

1214. Wakabayashi, Y., et al., Deficiency of Endogenous Arginine Synthesis Provokes Hypertension by Exhausting Substrate Arginine for Nitric Oxide Synthesis. Biochemical and biophysical research communications, 1994. 205(2): p. 1391-1398.

1215. Tanimoto, K., et al., Angiotensinogen-deficient mice with hypotension. Journal of Biological Chemistry, 1994. 269(50): p. 31334-31337.