

Weibin Shi

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,285
citations

257450

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h-index

233421

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81
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81
docs citations

81
times ranked

2578
citing authors

#	ARTICLE	IF	CITATIONS
1	Plant-based α -mannanase supplemented diet modulates the gut microbiota and up-regulates the expression of immunity and digestion-related genes in <i>Cyprinus carpio</i> . Journal of Applied Animal Research, 2022, 50, 21-30.	1.2	5
2	Reticulocalbin 2 as a Potential Biomarker and Therapeutic Target for Atherosclerosis. Cells, 2022, 11, 1107.	4.1	3
3	Genetic Connection between Hyperglycemia and Carotid Atherosclerosis in Hyperlipidemic Mice. Genes, 2022, 13, 510.	2.4	3
4	Genetic connection of carotid atherosclerosis with coat color and body weight in an intercross between hyperlipidemic mouse strains. Physiological Genomics, 2022, , .	2.3	1
5	Genetic Evidence for a Causal Relationship between Hyperlipidemia and Type 2 Diabetes in Mice. International Journal of Molecular Sciences, 2022, 23, 6184.	4.1	2
6	Ldlr-Deficient Mice with an Atherosclerosis-Resistant Background Develop Severe Hyperglycemia and Type 2 Diabetes on a Western-Type Diet. Biomedicines, 2022, 10, 1429.	3.2	2
7	Deep Learning-based Quantification of Abdominal Subcutaneous and Visceral Fat Volume on CT Images. Academic Radiology, 2021, 28, 1481-1487.	2.5	18
8	Inflammation and enhanced atherogenesis in the carotid artery with altered blood flow in an atherosclerosis-resistant mouse strain. Physiological Reports, 2021, 9, e14829.	1.7	5
9	Identification of Mep1a as a susceptibility gene for atherosclerosis in mice. Genetics, 2021, 219, .	2.9	6
10	Hyperlipidemia Influences the Accuracy of Glucometer-Measured Blood Glucose Concentrations in Genetically Diverse Mice. American Journal of the Medical Sciences, 2021, 362, 297-302.	1.1	7
11	Genetic linkage of oxidative stress with cardiometabolic traits in an intercross derived from hyperlipidemic mouse strains. Atherosclerosis, 2020, 293, 1-10.	0.8	16
12	Data on genetic linkage of oxidative stress with cardiometabolic traits in an intercross derived from hyperlipidemic mouse strains. Data in Brief, 2020, 29, 105165.	1.0	0
13	Regional Variation in Genetic Control of Atherosclerosis in Hyperlipidemic Mice. G3: Genes, Genomes, Genetics, 2020, 10, 4679-4689.	1.8	5
14	Atherogenesis in the Carotid Artery with and without Interrupted Blood Flow of Two Hyperlipidemic Mouse Strains. Journal of Vascular Research, 2019, 56, 241-254.	1.4	7
15	Loss of reticulocalbin 2 lowers blood pressure and restrains ANG II-induced hypertension in vivo. American Journal of Physiology - Renal Physiology, 2019, 316, F1141-F1150.	2.7	8
16	Endocytosis Pathways of Endothelial Cell Derived Exosomes. Molecular Pharmaceutics, 2018, 15, 5585-5590.	4.6	30
17	Deep learning-based quantification of abdominal fat on magnetic resonance images. PLoS ONE, 2018, 13, e0204071.	2.5	11
18	Genetic analysis of a mouse cross implicates an anti-inflammatory gene in control of atherosclerosis susceptibility. Mammalian Genome, 2017, 28, 90-99.	2.2	9

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19	Lnc-ATB contributes to gastric cancer growth through a MiR-141-3p/TGF β 2 feedback loop. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 514-521.	2.1	74
20	Polygenic Control of Carotid Atherosclerosis in a BALB/cJ \times SM/J Intercross and a Combined Cross Involving Multiple Mouse Strains. <i>G3: Genes, Genomes, Genetics</i> , 2017, 7, 731-739.	1.8	11
21	pH-responsive carboxymethyl chitosan-derived micelles as apatinib carriers for effective anti-angiogenesis activity: Preparation and in vitro evaluation. <i>Carbohydrate Polymers</i> , 2017, 176, 107-116.	10.2	23
22	Accelerated atherogenesis in completely ligated common carotid artery of apolipoprotein E-deficient mice. <i>Oncotarget</i> , 2017, 8, 110289-110299.	1.8	13
23	Mapping and Congenic Dissection of Genetic Loci Contributing to Hyperglycemia and Dyslipidemia in Mice. <i>PLoS ONE</i> , 2016, 11, e0148462.	2.5	7
24	Data on genetic analysis of atherosclerosis identifies a major susceptibility locus in the major histocompatibility complex of mice. <i>Data in Brief</i> , 2016, 9, 1067-1069.	1.0	0
25	Genetic analysis of atherosclerosis identifies a major susceptibility locus in the major histocompatibility complex of mice. <i>Atherosclerosis</i> , 2016, 254, 124-132.	0.8	12
26	miR-223 increases gallbladder cancer cell sensitivity to docetaxel by downregulating STMN1. <i>Oncotarget</i> , 2016, 7, 62364-62376.	1.8	19
27	Size Exclusion HPLC Detection of Small-Size Impurities as a Complementary Means for Quality Analysis of Extracellular Vesicles. <i>Journal of Circulating Biomarkers</i> , 2015, 4, 6.	1.3	9
28	Genetic linkage of hyperglycemia and dyslipidemia in an intercross between BALB/cJ and SM/J Apoe-deficient mouse strains. <i>BMC Genetics</i> , 2015, 16, 133.	2.7	12
29	20(S)-ginsenoside Rg3 promotes senescence and apoptosis in gallbladder cancer cells via the p53 pathway. <i>Drug Design, Development and Therapy</i> , 2015, 9, 3969.	4.3	42
30	Variation in Type 2 Diabetes-Related Phenotypes among Apolipoprotein E-Deficient Mouse Strains. <i>PLoS ONE</i> , 2015, 10, e0120935.	2.5	20
31	PET imaging detection of macrophages with a formyl peptide receptor antagonist. <i>Nuclear Medicine and Biology</i> , 2015, 42, 381-386.	0.6	26
32	Influence of phthalates on glucose homeostasis and atherosclerosis in hyperlipidemic mice. <i>BMC Endocrine Disorders</i> , 2015, 15, 13.	2.2	18
33	In vitro evaluation of endothelial exosomes as carriers for small interfering ribonucleic acid delivery. <i>International Journal of Nanomedicine</i> , 2014, 9, 4223.	6.7	67
34	Effects of amphiphilic chitosan-g-poly(ϵ -caprolactone) polymer additives on paclitaxel release from drug eluting implants. <i>Materials Science and Engineering C</i> , 2014, 45, 502-509.	7.3	11
35	Enhanced mechanical property of chitosan via blending with functional poly(ϵ -caprolactone). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 659-667.	2.1	8
36	Atherosclerosis Susceptibility Loci Identified in an Extremely Atherosclerosis-Resistant Mouse Strain. <i>Journal of the American Heart Association</i> , 2013, 2, e000260.	3.7	17

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37	New quantitative trait loci for carotid atherosclerosis identified in an intercross derived from apolipoprotein E-deficient mouse strains. <i>Physiological Genomics</i> , 2013, 45, 332-342.	2.3	18
38	Characterization of <i>Bglu3</i> , a mouse fasting glucose locus, and identification of <i>Apcs</i> as an underlying candidate gene. <i>Physiological Genomics</i> , 2012, 44, 345-351.	2.3	10
39	Genetic Analysis of Atherosclerosis and Glucose Homeostasis in an Intercross Between C57BL/6 and BALB/cj Apolipoprotein E-Deficient Mice. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 190-201.	5.1	20
40	Exploring the structure-property relationships of ultrasonic/MRI dual imaging magnetite/PLA microbubbles: magnetite@Cavity versus magnetite@Shell systems. <i>Colloid and Polymer Science</i> , 2012, 290, 1617-1626.	2.1	10
41	Identification of <i>Soat1</i> as a Quantitative Trait Locus Gene on Mouse Chromosome 1 Contributing to Hyperlipidemia. <i>PLoS ONE</i> , 2011, 6, e25344.	2.5	12
42	Influence of experimental parameters and the copolymer structure on the size control of nanospheres in double emulsion method. <i>Journal of Polymer Research</i> , 2011, 18, 131-137.	2.4	8
43	Hyperglycemia in apolipoprotein E-deficient mouse strains with different atherosclerosis susceptibility. <i>Cardiovascular Diabetology</i> , 2011, 10, 117.	6.8	39
44	Characterization of <i>Ath29</i> , a major mouse atherosclerosis susceptibility locus, and identification of <i>Rcn2</i> as a novel regulator of cytokine expression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1056-H1061.	3.2	25
45	Genes Within the MHC Region Have a Dramatic Influence on Radiation-Enhanced Atherosclerosis in Mice. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 409-413.	5.1	9
46	Antiretrovirals Induce Endothelial Dysfunction via an Oxidant-Dependent Pathway and Promote Neointimal Hyperplasia. <i>Toxicological Sciences</i> , 2010, 117, 524-536.	3.1	32
47	Quantitative Trait Locus Analysis of Neointimal Formation in an Intercross Between C57BL/6 and C3H/HeJ Apolipoprotein E-Deficient Mice. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 220-228.	5.1	22
48	Microarray analysis of gene expression in mouse aorta reveals role of the calcium signaling pathway in control of atherosclerosis susceptibility. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1336-H1343.	3.2	27
49	Quantitative trait locus analysis of circulating adhesion molecules in hyperlipidemic apolipoprotein E-deficient mice. <i>Molecular Genetics and Genomics</i> , 2008, 280, 375-383.	2.1	3
50	Association of a <i>Vcam1</i> mutation with atherosclerosis susceptibility in diet-induced models of atherosclerosis. <i>Atherosclerosis</i> , 2008, 196, 234-239.	0.8	7
51	siRNA silencing reveals role of vascular cell adhesion molecule-1 in vascular smooth muscle cell migration. <i>Atherosclerosis</i> , 2008, 198, 301-306.	0.8	29
52	Effect of Aging on Fatty Streak Formation in a Diet-Induced Mouse Model of Atherosclerosis. <i>Journal of Vascular Research</i> , 2008, 45, 205-210.	1.4	22
53	Quantitative Trait Locus Analysis of Carotid Atherosclerosis in an Intercross Between C57BL/6 and C3H Apolipoprotein E-Deficient Mice. <i>Stroke</i> , 2008, 39, 166-173.	2.0	24
54	Paradoxical increase in LDL oxidation by endothelial cells from an atherosclerosis-resistant mouse strain. <i>Atherosclerosis</i> , 2007, 192, 259-265.	0.8	12

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55	Mapping, Genetic Isolation, and Characterization of Genetic Loci That Determine Resistance to Atherosclerosis in C3H Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2671-2676.	2.4	38
56	Identification of Pathways for Atherosclerosis in Mice. <i>Circulation Research</i> , 2007, 101, e11-30.	4.5	108
57	Aging elevates circulating vascular cell adhesion molecule-1 levels but has no effect on atherosclerotic lesion formation in wild-type C57BL/6 mice. <i>FASEB Journal</i> , 2007, 21, A853.	0.5	0
58	Differential response of vascular smooth muscle cells to oxidized LDL in mouse strains with different atherosclerosis susceptibility. <i>Atherosclerosis</i> , 2006, 189, 99-105.	0.8	28
59	Hyperlipidemia is a major determinant of neointimal formation in LDL receptor-deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 1004-1009.	2.1	29
60	Deficiency of inducible NO synthase reduces advanced but not early atherosclerosis in apolipoprotein E-deficient mice. <i>Life Sciences</i> , 2006, 79, 525-531.	4.3	63
61	Apolipoprotein E knockout mice have accentuated malnutrition with mucosal disruption and blunted insulin-like growth factor I responses to refeeding. <i>Nutrition Research</i> , 2006, 26, 427-435.	2.9	15
62	Direct Evidence for a Crucial Role of the Arterial Wall in Control of Atherosclerosis Susceptibility. <i>Circulation</i> , 2006, 114, 2382-2389.	1.6	23
63	Quantitative Trait Locus Analysis of Atherosclerosis in an Intercross Between C57BL/6 and C3H Mice Carrying the Mutant Apolipoprotein E Gene. <i>Genetics</i> , 2006, 172, 1799-1807.	2.9	45
64	Genetic linkage of hyperglycemia, body weight and serum amyloid-P in an intercross between C57BL/6 and C3H apolipoprotein E-deficient mice. <i>Human Molecular Genetics</i> , 2006, 15, 1650-1658.	2.9	35
65	Circulating adhesion molecules in apoE-deficient mouse strains with different atherosclerosis susceptibility. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 1102-1107.	2.1	64
66	Neointimal formation in two apolipoprotein E-deficient mouse strains with different atherosclerosis susceptibility. <i>Journal of Lipid Research</i> , 2004, 45, 2008-2014.	4.2	19
67	Lipid retention in the arterial wall of two mouse strains with different atherosclerosis susceptibility. <i>Journal of Lipid Research</i> , 2004, 45, 1155-1161.	4.2	19
68	Effect of macrophage-derived apolipoprotein E on hyperlipidemia and atherosclerosis of LDLR-deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 223-229.	2.1	20
69	Genetic Backgrounds but Not Sizes of Atherosclerotic Lesions Determine Medial Destruction in the Aortic Root of Apolipoprotein E-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2003, 23, 1901-1906.	2.4	30
70	Paradoxical Reduction of Fatty Streak Formation in Mice Lacking Endothelial Nitric Oxide Synthase. <i>Circulation</i> , 2002, 105, 2078-2082.	1.6	84
71	Atherosclerosis in C3H/HeJ Mice Reconstituted With Apolipoprotein E-Null Bone Marrow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 650-655.	2.4	26
72	Genetic Locus in Mice That Blocks Development of Atherosclerosis Despite Extreme Hyperlipidemia. <i>Circulation Research</i> , 2001, 89, 125-130.	4.5	83

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73	Genetics of atherosclerosis: The search for genes acting at the level of the vessel wall. Current Atherosclerosis Reports, 2000, 2, 380-389.	4.8	9
74	Altered reactivity of pulmonary vessels in postobstructive pulmonary vasculopathy. Journal of Applied Physiology, 2000, 88, 17-25.	2.5	14
75	Effect of Macrophage-Derived Apolipoprotein E on Established Atherosclerosis in Apolipoprotein E-Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2000, 20, 2261-2266.	2.4	30
76	Determinants of Atherosclerosis Susceptibility in the C3H and C57BL/6 Mouse Model. Circulation Research, 2000, 86, 1078-1084.	4.5	138
77	Role for Peroxisome Proliferator-Activated Receptor α in Oxidized Phospholipid-Induced Synthesis of Monocyte Chemotactic Protein-1 and Interleukin-8 by Endothelial Cells. Circulation Research, 2000, 87, 516-521.	4.5	284
78	Endothelial Responses to Oxidized Lipoproteins Determine Genetic Susceptibility to Atherosclerosis in Mice. Circulation, 2000, 102, 75-81.	1.6	196
79	Differential responses of pulmonary arteries and veins to histamine and 5-HT in lung explants of guinea-pigs. British Journal of Pharmacology, 1998, 123, 1525-1532.	5.4	17
80	Endothelin reactivity and receptor profile of pulmonary vessels in postobstructive pulmonary vasculopathy. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H2558-H2564.	3.2	12