Hanrui Zhang

List of Publications by Year in Descending Order

56 papers	2,887 citations	30 h-index	53 g-index
71 ext. papers	3,470 ext. citations	7.9 avg, IF	5.18 L-index

#	Paper	IF	Citations
56	Deficiency of macrophage PHACTR1 impairs efferocytosis and promotes atherosclerotic plaque necrosis. *Journal of Clinical Investigation*, **2021**, 131,	15.9	10
55	What Makes a Great Mentor: Interviews With Recipients of the ATVB Mentor of Women Award. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2021**, 41, 2641-2647	9.4	0
54	ASEP: Gene-based detection of allele-specific expression across individuals in a population by RNA sequencing. *PLoS Genetics*, **2020**, 16, e1008786	6	14
53	Novel mechanistic links between high-protein diets and atherosclerosis. *Nature Metabolism*, **2020**, 2, 7-8	14.6	1
52	Single-Cell Genomics Reveals a Novel Cell State During Smooth Muscle Cell Phenotypic Switching and Potential Therapeutic Targets for Atherosclerosis in Mouse and Human. *Circulation*, **2020**, 142, 2060-2075	16.7	81
51	Functional Characterization of LIPA (Lysosomal Acid Lipase) Variants Associated With Coronary Artery Disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 2480-2491	9.4	4
50	Functional Genomics and CRISPR Applied to Cardiovascular Research and Medicine. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, e188-e194	9.4	3
49	Lysosomal Acid Lipase in Lipid Metabolism and Beyond. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 850-856	9.4	39
48	Differentiation of Human-Induced Pluripotent Stem Cells to Macrophages for Disease Modeling and Functional Genomics. *Current Protocols in Stem Cell Biology*, **2019**, 48, e74	2.8	7
47	PennDiff: detecting differential alternative splicing and transcription by RNA sequencing. *Bioinformatics*, **2018**, 34, 2384-2391	7.2	10
46	Cholesterol Efflux Pathways Suppress Inflammasome Activation, NETosis, and Atherogenesis. *Circulation*, **2018**, 138, 898-912	16.7	131
45	Lysosomal acid lipase and lipid metabolism: new mechanisms, new questions, and new therapies. *Current Opinion in Lipidology*, **2018**, 29, 218-223	4.4	36
44	Tissue-Specific Differential Expression of Novel Genes and Long Intergenic Noncoding RNAs in Humans With Extreme Response to Evoked Endotoxemia. *Circulation Genomic and Precision Medicine*, **2018**, 11, e001907	5.2	4
43	De novo RNA sequence assembly during in vivo inflammatory stress reveals hundreds of unannotated lincRNAs in human blood CD14 monocytes and in adipose tissue. *Physiological Genomics*, **2017**, 49, 287-305	3.6	8
42	Human Induced Pluripotent Stem Cell-Derived Macrophages for Unraveling Human Macrophage Biology. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 2000-2006	9.4	18
41	Expression of Calgranulin Genes S100A8, S100A9 and S100A12 Is Modulated by n-3 PUFA during Inflammation in Adipose Tissue and Mononuclear Cells. *PLoS ONE*, **2017**, 12, e0169614	3.7	19
40	Interaction of IL-6 and TNF-□contributes to endothelial dysfunction in type 2 diabetic mouse hearts. *PLoS ONE*, **2017**, 12, e0187189	3.7	46

39	CRISPR/Cas9-Mediated Gene Editing in Human iPSC-Derived Macrophage Reveals Lysosomal Acid Lipase Function in Human Macrophages-Brief Report. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 2156-2160	9.4	23
38	Deep RNA Sequencing Uncovers a Repertoire of Human Macrophage Long Intergenic Noncoding RNAs Modulated by Macrophage Activation and Associated With Cardiometabolic Diseases. *Journal of the American Heart Association*, **2017**, 6,	6	27
37	Synergistic Modulation of Inflammatory but not Metabolic Effects of High-Fat Feeding by CCR2 and CX3CR1. *Obesity*, **2017**, 25, 1410-1420	8	4
36	Translational and Therapeutic Approaches to the Understanding and Treatment of Dyslipidemia. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, e56-61	9.4	4
35	Transcriptome-Wide Analysis Reveals Modulation of Human Macrophage Inflammatory Phenotype Through Alternative Splicing. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 1434-47	9.4	30
34	From Loci to Biology: Functional Genomics of Genome-Wide Association for Coronary Disease. *Circulation Research*, **2016**, 118, 586-606	15.7	36
33	ABO Blood Group as a Model for Platelet Glycan Modification in Arterial Thrombosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1570-8	9.4	21
32	Functional analysis and transcriptomic profiling of iPSC-derived macrophages and their application in modeling Mendelian disease. *Circulation Research*, **2015**, 117, 17-28	15.7	68
31	The long noncoding RNA landscape in hypoxic and inflammatory renal epithelial injury. *American Journal of Physiology - Renal Physiology*, **2015**, 309, F901-13	4.3	57
30	Regulation of Coronary Endothelial Function by Interactions between TNF-LOX-1 and Adiponectin in Apolipoprotein E Knockout Mice. *Journal of Vascular Research*, **2015**, 52, 372-82	1.9	6
29	Circadian control of innate immunity in macrophages by miR-155 targeting Bmal1. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7231-6	11.5	183
28	Cholesterol and lipoprotein metabolism: Early Career Committee contribution. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 1791-4	9.4	12
27	Glycogenome signatures in complex cardiometabolic disease (789.4). *FASEB Journal*, **2014**, 28, 789.4	0.9	
26	Vascular transcriptional alterations produced by juvenile obesity in Ossabaw swine. *Physiological Genomics*, **2013**, 45, 434-46	3.6	30
25	The link between metabolic abnormalities and endothelial dysfunction in type 2 diabetes: an update. *Basic Research in Cardiology*, **2012**, 107, 237	11.8	88
24	Role of inflammation in the regulation of coronary blood flow in ischemia and reperfusion: mechanisms and therapeutic implications. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 865-72	5.8	48
23	Diabetic Vascular Disease **2012**, 1321-1328		
22	Adiponectin abates diabetes-induced endothelial dysfunction by suppressing oxidative stress, adhesion molecules, and inflammation in type 2 diabetic mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H106-15	5.2	46

21	ABO Blood Groups and Cardiovascular Diseases. *International Journal of Vascular Medicine*, **2012**, 2012, 641917	1.2	44
20	Vasoprotection by dietary supplements and exercise: role of TNF signaling. *Experimental Diabetes Research*, **2012**, 2012, 972679		18
19	Effect of PAR2 in regulating TNF- and NAD(P)H oxidase in coronary arterioles in type 2 diabetic mice. *Basic Research in Cardiology*, **2011**, 106, 111-23	11.8	53
18	Interferon-gamma induced adipose tissue inflammation is linked to endothelial dysfunction in type 2 diabetic mice. *Basic Research in Cardiology*, **2011**, 106, 1135-45	11.8	20
17	Bariatric surgery reduces visceral adipose inflammation and improves endothelial function in type 2 diabetic mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 2063-9	9.4	53
16	Adipose "talks" to distant organs to regulate insulin sensitivity and vascular function. *Obesity*, **2010**, 18, 2071-6	8	36
15	Resveratrol improves left ventricular diastolic relaxation in type 2 diabetes by inhibiting oxidative/nitrative stress: in vivo demonstration with magnetic resonance imaging. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H985-94	5.2	91
14	Coronary and aortic endothelial function affected by feedback between adiponectin and tumor necrosis factor in type 2 diabetic mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2156-63	9.4	34
13	The reciprocal relationship between adiponectin and LOX-1 in the regulation of endothelial dysfunction in ApoE knockout mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H605-12	5.2	33
12	A New Hypothesis for Insulin Resistance in Hypertension Due to Receptor Cleavage. *Expert Review of Endocrinology and Metabolism*, **2010**, 5, 149-158	4.1	20
11	Emerging role of adipokines as mediators in atherosclerosis. *World Journal of Cardiology*, **2010**, 2, 370-6	2.1	32
10	Feed-forward signaling of TNF-alpha and NF-kappaB via IKK-beta pathway contributes to insulin resistance and coronary arteriolar dysfunction in type 2 diabetic mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H1850-8	5.2	88
9	Resveratrol improves endothelial function: role of TNF{alpha} and vascular oxidative stress. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1164-71	9.4	175
8	Resveratrol induces mitochondrial biogenesis in endothelial cells. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 297, H13-20	5.2	324
7	Role of TNF-alpha in vascular dysfunction. *Clinical Science*, **2009**, 116, 219-30	6.5	439
6	Role of MCP-1 in tumor necrosis factor-alpha-induced endothelial dysfunction in type 2 diabetic mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 297, H1208-16	5.2	45
5	Regulation of Microvascular Function by Adipose Tissue in Obesity and Type 2 Diabetes: Evidence of an Adipose-Vascular Loop. *American Journal of Biomedical Sciences*, **2009**, 1, 133		38
4	AGE/RAGE produces endothelial dysfunction in coronary arterioles in type 2 diabetic mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H491-8	5.2	124

3	Role of TNF-alpha-induced reactive oxygen species in endothelial dysfunction during reperfusion injury. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H2242-9	5.2	66
2	EXTRA VIRGIN OLIVE OIL AND VASCULAR HEALTH. *FASEB Journal*, **2008**, 22, 63-63	0.9	
1	Resveratrol Protects against Oxidative Stress-Induced Endothelial Dysfunction in Type II Diabetes. *FASEB Journal*, **2008**, 22, 42-42	0.9	