

Xianwei Wang

List of Publications by Year in descending order

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104
papers

4,537
citations

117625

34
h-index

110387

64
g-index

108
all docs

108
docs citations

108
times ranked

7546
citing authors

#	ARTICLE	IF	CITATIONS
1	Lectin-type oxidized LDL receptor-1 distinguishes population of human polymorphonuclear myeloid-derived suppressor cells in cancer patients. <i>Science Immunology</i> , 2016, 1, .	11.9	560
2	Role of NLRP3 inflammasome in the pathogenesis of cardiovascular diseases. <i>Basic Research in Cardiology</i> , 2018, 113, 5.	5.9	202
3	Cross-talk between LOX-1 and PCSK9 in vascular tissues. <i>Cardiovascular Research</i> , 2015, 107, 556-567.	3.8	192
4	Inflammation, Autophagy, and Apoptosis After Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	180
5	Hemodynamic Shear Stress <i>via</i> ROS Modulates PCSK9 Expression in Human Vascular Endothelial and Smooth Muscle Cells and Along the Mouse Aorta. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 760-771.	5.4	160
6	Oxidant stress in mitochondrial DNA damage, autophagy and inflammation in atherosclerosis. <i>Scientific Reports</i> , 2013, 3, 1077.	3.3	159
7	Oxidative Stress and Lectin-Like Ox-LDL-Receptor LOX-1 in Atherogenesis and Tumorigenesis. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 2301-2333.	5.4	151
8	Regulation of autophagy and apoptosis in response to ox-LDL in vascular smooth muscle cells, and the modulatory effects of the microRNA hsa-let-7g. <i>International Journal of Cardiology</i> , 2013, 168, 1378-1385.	1.7	138
9	Functions and mechanisms of circular RNAs in cancer radiotherapy and chemotherapy resistance. <i>Molecular Cancer</i> , 2020, 19, 58.	19.2	124
10	Effect of the carthamins yellow from <i>Carthamus tinctorius</i> L. on hemorheological disorders of blood stasis in rats. <i>Food and Chemical Toxicology</i> , 2009, 47, 1797-1802.	3.6	118
11	Inhibition of TLR4 Induces M2 Microglial Polarization and Provides Neuroprotection via the NLRP3 Inflammasome in Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2020, 14, 444.	2.8	112
12	LOX-1, mtDNA damage, and NLRP3 inflammasome activation in macrophages: implications in atherogenesis. <i>Cardiovascular Research</i> , 2014, 103, 619-628.	3.8	111
13	Current Concepts of the Role of Oxidized LDL Receptors in Atherosclerosis. <i>Current Atherosclerosis Reports</i> , 2012, 14, 150-159.	4.8	105
14	Oxidized LDL Receptor 1 (OLR1) as a Possible Link between Obesity, Dyslipidemia and Cancer. <i>PLoS ONE</i> , 2011, 6, e20277.	2.5	96
15	PCSK9 expression in the ischaemic heart and its relationship to infarct size, cardiac function, and development of autophagy. <i>Cardiovascular Research</i> , 2018, 114, 1738-1751.	3.8	96
16	DPP-4 Inhibitors Repress NLRP3 Inflammasome and Interleukin-1beta via GLP-1 Receptor in Macrophages Through Protein Kinase C Pathway. <i>Cardiovascular Drugs and Therapy</i> , 2014, 28, 425-432.	2.6	95
17	TGF- β 1 induces senescence of bone marrow mesenchymal stem cells via increase of mitochondrial ROS production. <i>BMC Developmental Biology</i> , 2014, 14, 21.	2.1	91
18	PCSK9 regulates expression of scavenger receptors and ox-LDL uptake in macrophages. <i>Cardiovascular Research</i> , 2018, 114, 1145-1153.	3.8	88

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19	Age- and Hypertension-Associated Protein Aggregates in Mouse Heart Have Similar Proteomic Profiles. <i>Hypertension</i> , 2016, 67, 1006-1013.	2.7	72
20	Cross-Talk Between PCSK9 and Damaged mtDNA in Vascular Smooth Muscle Cells: Role in Apoptosis. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 997-1008.	5.4	63
21	Advances in the molecular mechanisms of NLRP3 inflammasome activators and inactivators. <i>Biochemical Pharmacology</i> , 2020, 175, 113863.	4.4	62
22	PCSK9 regulates pyroptosis via mtDNA damage in chronic myocardial ischemia. <i>Basic Research in Cardiology</i> , 2020, 115, 66.	5.9	58
23	Endothelin-1 upregulation mediates aging-related cardiac fibrosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 80, 101-109.	1.9	54
24	NLRP3 inflammasome <i>via</i> IL-1 β regulates PCSK9 secretion. <i>Theranostics</i> , 2020, 10, 7100-7110.	10.0	51
25	LOX-1 abrogation reduces cardiac hypertrophy and collagen accumulation following chronic ischemia in the mouse. <i>Gene Therapy</i> , 2012, 19, 522-531.	4.5	46
26	Progress in understanding mitochondrial calcium uniporter complex-mediated calcium signalling: A potential target for cancer treatment. <i>British Journal of Pharmacology</i> , 2019, 176, 1190-1205.	5.4	43
27	Structure-based Design Targeted at LOX-1, a Receptor for Oxidized Low-Density Lipoprotein. <i>Scientific Reports</i> , 2015, 5, 16740.	3.3	42
28	Blood flow patterns regulate PCSK9 secretion via MyD88-mediated pro-inflammatory cytokines. <i>Cardiovascular Research</i> , 2020, 116, 1721-1732.	3.8	42
29	LOX-1, a bridge between GLP-1R and mitochondrial ROS generation in human vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2013, 437, 62-66.	2.1	40
30	LOX-1, oxidant stress, mtDNA damage, autophagy, and immune response in atherosclerosis. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 524-530.	1.4	40
31	Prior exposure to oxidized low-density lipoprotein limits apoptosis in subsequent generations of endothelial cells by altering promoter methylation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H506-H513.	3.2	39
32	Potential Involvement of LOX-1 in Functional Consequences of Endothelial Senescence. <i>PLoS ONE</i> , 2011, 6, e20964.	2.5	38
33	Cross-talk between inflammation and angiotensin II: Studies based on direct transfection of cardiomyocytes with AT1R and AT2R cDNA. <i>Experimental Biology and Medicine</i> , 2012, 237, 1394-1401.	2.4	37
34	LOX-1 and Angiotensin Receptors, and Their Interplay. <i>Cardiovascular Drugs and Therapy</i> , 2011, 25, 401-17.	2.6	36
35	FGF18 Enhances Migration and the Epithelial-Mesenchymal Transition in Breast Cancer by Regulating Akt/GSK3 β / β -Catenin Signaling. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 1060-1073.	1.6	36
36	MicroRNA hsa-let-7g targets lectin-like oxidized low-density lipoprotein receptor-1 expression and inhibits apoptosis in human smooth muscle cells. <i>Experimental Biology and Medicine</i> , 2012, 237, 1093-1100.	2.4	35

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37	Hypoxia Induces Autophagy of Bone Marrow-Derived Mesenchymal Stem Cells via Activation of ERK1/2. <i>Cellular Physiology and Biochemistry</i> , 2014, 33, 1467-1474.	1.6	34
38	Regulation of autophagy and apoptosis in response to angiotensin II in HL-1 cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 440, 696-700.	2.1	33
39	DPP-4 inhibitors repress foam cell formation by inhibiting scavenger receptors through protein kinase C pathway. <i>Acta Diabetologica</i> , 2014, 51, 471-478.	2.5	33
40	MicroRNAs Involved in the Regulation of Postischemic Cardiac Fibrosis. <i>Hypertension</i> , 2013, 61, 751-756.	2.7	32
41	Aspirin suppresses cardiac fibroblast proliferation and collagen formation through downregulation of angiotensin type 1 receptor transcription. <i>Toxicology and Applied Pharmacology</i> , 2012, 259, 346-354.	2.8	31
42	Abrogation of lectin-like oxidized LDL receptor-1 attenuates acute myocardial ischemia-induced renal dysfunction by modulating systemic and local inflammation. <i>Kidney International</i> , 2012, 82, 436-444.	5.2	30
43	GLP-1 Agonists Inhibit ox-LDL Uptake in Macrophages by Activating Protein Kinase A. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 64, 47-52.	1.9	30
44	Large Impact of Low Concentration Oxidized LDL on Angiogenic Potential of Human Endothelial Cells: A Microarray Study. <i>PLoS ONE</i> , 2012, 7, e47421.	2.5	28
45	Ox-LDL Promotes Migration and Adhesion of Bone Marrow-Derived Mesenchymal Stem Cells via Regulation of MCP-1 Expression. <i>Mediators of Inflammation</i> , 2013, 2013, 1-11.	3.0	28
46	Hemodynamic shear stress modulates endothelial cell autophagy: Role of LOX-1. <i>International Journal of Cardiology</i> , 2015, 184, 86-95.	1.7	27
47	Modulation of myocardial injury and collagen deposition following ischaemia-reperfusion by linagliptin and liraglutide, and both together. <i>Clinical Science</i> , 2016, 130, 1353-1362.	4.3	27
48	Concentration polarization of ox-LDL activates autophagy and apoptosis via regulating LOX-1 expression. <i>Scientific Reports</i> , 2013, 3, 2091.	3.3	26
49	COL1A1: A potential therapeutic target for colorectal cancer expressing wild-type or mutant KRAS. <i>International Journal of Oncology</i> , 2018, 53, 1869-1880.	3.3	24
50	Tumor-derived factors impaired motility and immune functions of dendritic cells through derangement of biophysical characteristics and reorganization of cytoskeleton. <i>Cytoskeleton</i> , 2007, 64, 186-198.	4.4	23
51	Regulation of MSR-1 and CD36 in macrophages by LOX-1 mediated through PPAR γ . <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 496-500.	2.1	23
52	Effects of linagliptin and liraglutide on glucose- and angiotensin II-induced collagen formation and cytoskeleton degradation in cardiac fibroblasts in vitro. <i>Acta Pharmacologica Sinica</i> , 2016, 37, 1349-1358.	6.1	23
53	Effects of the Calcium-Activated Chloride Channel Inhibitors T16Ainh-A01 and CaCCinh-A01 on Cardiac Fibroblast Function. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 706-716.	1.6	22
54	Degradation of heparan sulfate proteoglycans enhances oxidized-LDL-mediated autophagy and apoptosis in human endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 426, 106-111.	2.1	20

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55	MSC exosome-mediated cardioprotection in ischemic mouse heart comparative proteomics of infarct and peri-infarct areas. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 1691-1704.	3.1	20
56	Lectin-like Oxidized Low-density Lipoprotein Receptor-1 (LOX-1) and Cardiac Fibroblast Growth. <i>Hypertension</i> , 2012, 60, 1437-1442.	2.7	19
57	LOX-1 in the maintenance of cytoskeleton and proliferation in senescent cardiac fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2013, 60, 184-190.	1.9	19
58	LOX-1 in macrophage migration in response to ox-LDL and the involvement of calpains. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 135-139.	2.1	19
59	Liraglutide Attenuates Myocardial Fibrosis via Inhibition of AT1R-Mediated ROS Production in Hypertensive Mice. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2021, 26, 179-188.	2.0	19
60	High Fat Diet Causes Renal Fibrosis in LDLr-null Mice Through MAPK-NF- κ B Pathway Mediated by Ox-LDL. <i>Journal of Cardiovascular Pharmacology</i> , 2014, 63, 158-166.	1.9	18
61	Delineation of the effects of angiotensin type 1 and 2 receptors on HL-1 cardiomyocyte apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012, 17, 908-915.	4.9	16
62	NF- κ B, A Potential Therapeutic Target in Cardiovascular Diseases. <i>Cardiovascular Drugs and Therapy</i> , 2023, 37, 571-584.	2.6	16
63	Hepatocellular Carcinoma Cells Deteriorate the Biophysical Properties of Dendritic Cells. <i>Cell Biochemistry and Biophysics</i> , 2009, 55, 33-43.	1.8	15
64	LOX-1: A New Target for Therapy for Cardiovascular Diseases. <i>Cardiovascular Drugs and Therapy</i> , 2011, 25, 495-500.	2.6	15
65	Adverse Cardiovascular Effects of Anti-COVID-19 Drugs. <i>Frontiers in Pharmacology</i> , 2021, 12, 699949.	3.5	15
66	Dipeptidyl peptidase-4 inhibitors in cardioprotection: a promising therapeutic approach. <i>Acta Diabetologica</i> , 2013, 50, 827-835.	2.5	14
67	Lectin-like oxidized low-density lipoprotein receptor-1 regulates autophagy and Toll-like receptor 4 in the brain of hypertensive mice. <i>Journal of Hypertension</i> , 2015, 33, 525-533.	0.5	14
68	ANO1 regulates cardiac fibrosis via ATI-mediated MAPK pathway. <i>Cell Calcium</i> , 2020, 92, 102306.	2.4	14
69	Endothelial-to-Mesenchymal Transition: Role in Cardiac Fibrosis. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2021, 26, 3-11.	2.0	14
70	Improving abnormal hemorheological parameters in ApoE ^{-/-} mice by Ilex kudingcha total saponins. <i>Clinical Hemorheology and Microcirculation</i> , 2009, 42, 29-36.	1.7	13
71	Gene and MicroRNA Transcriptional Signatures of Angiotensin II in Endothelial Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 123-129.	1.9	13
72	Lectin-Like ox-LDL Receptor-1 (LOX-1) \leftrightarrow Toll-Like Receptor 4 (TLR4) Interaction and Autophagy in CATH.a Differentiated Cells Exposed to Angiotensin II. <i>Molecular Neurobiology</i> , 2015, 51, 623-632.	4.0	13

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73	LOX-1 Deletion Limits Cardiac Angiogenesis in Mice Given Angiotensin II. <i>Cardiovascular Drugs and Therapy</i> , 2014, 28, 441-446.	2.6	12
74	NLRP3-Mediated Inflammation in Atherosclerosis and Associated Therapeutics. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 823387.	3.7	12
75	Hypertension, TLR4 activation in brain and cardiac hypertrophy. <i>Cardiovascular Research</i> , 2014, 103, 3-4.	3.8	10
76	Biomechanical alterations of dendritic cells by co-culturing with K562 CML cells and their potential role in immune escape. <i>Journal of Biomechanics</i> , 2010, 43, 2339-2347.	2.1	9
77	Gender Differences of NLRP1 Inflammasome in Mouse Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 512097.	3.4	9
78	Knockdown of hTERT Alters Biophysical Properties of K562 Cells Resulting in Decreased Migration Rate In Vitro. <i>Cell Biochemistry and Biophysics</i> , 2011, 61, 595-603.	1.8	8
79	Prevention of export of anoxia/reoxygenation injury from ischemic to nonischemic cardiomyocytes via inhibition of endocytosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1700-H1707.	3.2	8
80	Overexpression of CyclinA2 ameliorates hypoxia-impaired proliferation of cardiomyocytes. <i>Experimental and Therapeutic Medicine</i> , 2014, 8, 1513-1517.	1.8	8
81	LOX-1 dependent mitochondrial DNA damage and NLRP3 activation during systemic inflammation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 637-643.	2.1	7
82	Aspirin Downregulates Angiotensin Type 1 Receptor Transcription Implications in Capillary Formation From Endothelial Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 60, 187-192.	1.9	6
83	Effects of cardiotonic pill on RBC rheologic abnormalities in HFD-induced mice and LPL deficient mice. <i>Clinical Hemorheology and Microcirculation</i> , 2008, 40, 281-288.	1.7	5
84	Oxidized low-density lipoprotein (oxLDL) promotes cardiac differentiation of bone marrow mesenchymal stem cells via activating ERK1/2 signaling. <i>Cardiovascular Therapeutics</i> , 2017, 35, e12305.	2.5	5
85	Neuroprotective effect of tormentic acid against memory impairment and neuroinflammation in an Alzheimer's disease mouse model. <i>Molecular Medicine Reports</i> , 2020, 22, 739-750.	2.4	5
86	LOX-1 Deletion Attenuates Myocardial Fibrosis in the Aged Mice, Particularly Those With Hypertension. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 736215.	2.4	5
87	Neuregulin-1 regulates the conversion of M1/M2 microglia phenotype via ErbB4-dependent inhibition of the NF- κ B pathway. <i>Molecular Biology Reports</i> , 2022, 49, 3975-3986.	2.3	5
88	Effects of myakuryu on hemorheological characteristics and mesenteric microcirculation of rats fed with a high-fat diet. <i>Biorheology</i> , 2008, 45, 587-598.	0.4	4
89	Hemorheological changes in cerebral circulation of rabbits with acute carbon monoxide poisoning. <i>Clinical Hemorheology and Microcirculation</i> , 2009, 43, 271-282.	1.7	4
90	Biorheological changes of dendritic cells at the different differentiation stages. <i>Clinical Hemorheology and Microcirculation</i> , 2010, 46, 265-273.	1.7	4

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91	Chemically modified konjac glucomannan with high colloid osmotic pressure: Physiological evaluation in a rabbit model as a plasma substitute. <i>Glycobiology</i> , 2010, 20, 950-958.	2.5	4
92	Involvement of tRNAs in replication of human mitochondrial DNA and modifying effects of telomerase. <i>Mechanisms of Ageing and Development</i> , 2017, 166, 55-63.	4.6	4
93	Proteomic basis of modulation of post ischemic fibrosis by MSC exosomes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R639-R654.	1.8	3
94	Ryanodine receptor 1 mediates Ca ²⁺ transport and influences the biomechanical properties in RBCs. <i>Journal of Biomechanics</i> , 2009, 42, 2774-2779.	2.1	2
95	Nestin expression involves invasiveness of esophageal carcinoma and its downregulation enhances paclitaxel sensitivity to esophageal carcinoma cell apoptosis. <i>Oncotarget</i> , 2017, 8, 65056-65063.	1.8	2
96	Exogenous Wild-Type p53 Gene Improved Survival of Nude Mice Injected with Murine Erythroleukemia Cell Line Through Amelioration of Hemorheological Changes. <i>Microcirculation</i> , 2007, 14, 155-166.	1.8	1
97	NADPH oxidase promotes PCSK9 secretion in macrophages. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 153, 42-43.	1.9	1
98	Effects of Low Power Laser Irradiation on Human's Red Blood Cell. <i>Zhongguo Jiguang/Chinese Journal of Lasers</i> , 2008, 35, 957-960.	1.2	1
99	Microarray, MicroRNA, and Angiogenesis. , 2013, , 459-477.		0
100	Degradation of HSPGs Enhances LOX-1-mediated Autophagy. , 2015, , 209-218.		0
101	Functions of MicroRNAs in Angiogenesis. , 2017, , 133-155.		0
102	Atherosclerosis and Gender-Related Differences. , 2018, , 1-13.		0
103	Advances in the study of cancer metastasis and calcium signaling as potential therapeutic targets. <i>Exploration of Targeted Anti-tumor Therapy</i> , 0, , .	0.8	0
104	Success of a New Fiber Titanium Mesh in Adult Rabbit Tibial Fracture Repair and Reconstruction. <i>Journal of Biomaterials and Tissue Engineering</i> , 2018, 8, 515-520.	0.1	0