Taixing Cui

List of Publications by Year
in descending order

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64 papers	9,331 citations	147801 31 h-index	114465 63 g-index
68 all docs	68 docs citations	68 times ranked	19450 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Irisin Stimulates Browning of White Adipocytes Through Mitogen-Activated Protein Kinase p38 MAP Kinase and ERK MAP Kinase Signaling. Diabetes, 2014, 63, 514-525.	0.6	566
3	Nitrolinoleic acid: An endogenous peroxisome proliferator-activated receptor Â ligand. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2340-2345.	7.1	400
4	Diabetic Downregulation of Nrf2 Activity via ERK Contributes to Oxidative Stressâ€“Induced Insulin Resistance in Cardiac Cells In Vitro and In Vivo. Diabetes, 2011, 60, 625-633.	0.6	331
5	Nitrated Fatty Acids: Endogenous Anti-inflammatory Signaling Mediators*. Journal of Biological Chemistry, 2006, 281, 35686-35698.	3.4	318
6	Prevention by sulforaphane of diabetic cardiomyopathy is associated with up-regulation of Nrf2 expression and transcription activation. Journal of Molecular and Cellular Cardiology, 2013, 57, 82-95.	1.9	234
7	Nrf2 Protects Against Maladaptive Cardiac Responses to Hemodynamic Stress. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1843-1850.	2.4	224
8	A critical role of cardiac fibroblast-derived exosomes in activating renin angiotensin system in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2015, 89, 268-279.	1.9	161
9	Targeting the Nrf2 pathway against cardiovascular disease. Expert Opinion on Therapeutic Targets, 2009, 13, 785-794.	3.4	153
10	Sulforaphane prevents angiotensin II-induced cardiomyopathy by activation of Nrf2 via stimulating the Akt/GSK-3ÃŸ/Fyn pathway. Redox Biology, 2018, 15, 405-417.	9.0	140
11	Nrf2 Deficiency Exaggerates Doxorubicin-Induced Cardiotoxicity and Cardiac Dysfunction. Oxidative Medicine and Cellular Longevity, 2014, 2014, 1-15.	4.0	138
12	Nitro-linoleic acid inhibits vascular smooth muscle cell proliferation via the Keap1/Nrf2 signaling pathway. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H770-H776.	3.2	133
13	Rad GTPase Deficiency Leads to Cardiac Hypertrophy. Circulation, 2007, 116, 2976-2983.	1.6	105
14	PINK1-Parkin-Mediated Mitophagy Protects Mitochondrial Integrity and Prevents Metabolic Stress-Induced Endothelial Injury. PLoS ONE, 2015, 10, e0132499.	2.5	100
15	Irisin Promotes Human Umbilical Vein Endothelial Cell Proliferation through the ERK Signaling Pathway and Partly Suppresses High Glucose-Induced Apoptosis. PLoS ONE, 2014, 9, e110273.	2.5	99
16	Dihydro-CDDO-Trifluoroethyl Amide (dh404), a Novel Nrf2 Activator, Suppresses Oxidative Stress in Cardiomyocytes. PLoS ONE, 2009, 4, e8391.	2.5	94
17	Up-regulation of p27kip1 contributes to Nrf2-mediated protection against angiotensin II-induced cardiac hypertrophy. Cardiovascular Research, 2011, 90, 315-324.	3.8	85
18	CYLD-Mediated Signaling and Diseases. Current Drug Targets, 2015, 16, 284-294.	2.1	74

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19	The Calcineurin-TFEB-p62 Pathway Mediates the Activation of Cardiac Macroautophagy by Proteasomal Malfunction. Circulation Research, 2020, 127, 502-518.	4.5	73
20	Nrf2-Mediated Cardiac Maladaptive Remodeling and Dysfunction in a Setting of Autophagy Insufficiency. Hypertension, 2016, 67, 107-117.	2.7	72
21	TFEB activation protects against cardiac proteotoxicity via increasing autophagic flux. Journal of Molecular and Cellular Cardiology, 2017, 113, 51-62.	1.9	72
22	Nitroalkenes Suppress Lipopolysaccharide-Induced Signal Transducer and Activator of Transcription Signaling in Macrophages: A Critical Role of Mitogen-Activated Protein Kinase Phosphatase 1. Endocrinology, 2008, 149, 4086-4094.	2.8	66
23	Autophagy modulation: a potential therapeutic approach in cardiac hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H304-H319.	3.2	66
24	Autophagy Inhibition Enables Nrf2 to Exaggerate the Progression of Diabetic Cardiomyopathy in Mice. Diabetes, 2020, 69, 2720-2734.	0.6	66
25	An essential role of Nrf2 in American ginseng-mediated anti-oxidative actions in cardiomyocytes. Journal of Ethnopharmacology, 2010, 130, 222-230.	4.1	62
26	Triterpenoid Dihydro-CDDO-Trifluoroethyl Amide Protects against Maladaptive Cardiac Remodeling and Dysfunction in Mice: A Critical Role of Nrf2. PLoS ONE, 2012, 7, e44899.	2.5	55
27	The Dark Side of Nrf2 in the Heart. Frontiers in Physiology, 2020, 11, 722.	2.8	54
28	Nrf2 enhances myocardial clearance of toxic ubiquitinated proteins. Journal of Molecular and Cellular Cardiology, 2014, 72, 305-315.	1.9	53
29	Deubiquitinating enzyme CYLD mediates pressure overload-induced cardiac maladaptive remodeling and dysfunction via downregulating Nrf2. Journal of Molecular and Cellular Cardiology, 2015, 84, 143-153.	1.9	43
30	Intermittent hypoxia-induced cardiomyopathy and its prevention by Nrf2 and metallothionein. Free Radical Biology and Medicine, 2017, 112, 224-239.	2.9	37
31	American ginseng preferentially suppresses STAT/iNOS signaling in activated macrophages. Journal of Ethnopharmacology, 2009, 125, 145-150.	4.1	35
32	Transplantation of Human Undifferentiated Embryonic Stem Cells into A Myocardial Infarction Rat Model. Stem Cells and Development, 2007, 16, 25-30.	2.1	31
33	Spike protein of SARSâ€CoVâ€2 activates macrophages and contributes to induction of acute lung inflammation in male mice. FASEB Journal, 2021, 35, e21801.	0.5	30
34	Identifying panaxynol, a natural activator of nuclear factor erythroid-2 related factor 2 (Nrf2) from American ginseng as a suppressor of inflamed macrophage-induced cardiomyocyte hypertrophy. Journal of Ethnopharmacology, 2015, 168, 326-336.	4.1	29
35	Targeting Nrf2 by dihydroâ€CDDOâ€trifluoroethyl amide enhances autophagic clearance and viability of Î²â€cells in a setting of oxidative stress. FEBS Letters, 2014, 588, 2115-2124.	2.8	28
36	Preparation of lactose-free pasteurized milk with a recombinant thermostable Î²-glucosidase from Pyrococcus furiosus. BMC Biotechnology, 2013, 13, 73.	3.3	27

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37	Degradation of AF1Q by chaperone-mediated autophagy. Experimental Cell Research, 2014, 327, 48-56.	2.6	26
38	Nuclear factor erythroid-2 related factor 2 Nrf2 -mediated protein quality control in cardiomyocytes. Frontiers in Bioscience - Landmark, 2016, 21, 192-202.	3.0	25
39	Mature Vascular Smooth Muscle Cells, but Not Endothelial Cells, Serve as the Major Cellular Source of Intimal Hyperplasia in Vein Grafts. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1870-1890.	2.4	23
40	Ubiquitin carboxyl terminal hydrolase L1 negatively regulates TNFÎ±-mediated vascular smooth muscle cell proliferation via suppressing ERK activation. Biochemical and Biophysical Research Communications, 2010, 391, 852-856.	2.1	22
41	Dihydro-CDDO-trifluoroethyl amide suppresses inflammatory responses in macrophages via activation of Nrf2. Biochemical and Biophysical Research Communications, 2014, 444, 555-561.	2.1	20
42	Nrf2 expression and function, but not MT expression, is indispensable for sulforaphane-mediated protection against intermittent hypoxia-induced cardiomyopathy in mice. Redox Biology, 2018, 19, 11-21.	9.0	20
43	A pro-inflammatory role of deubiquitinating enzyme cylindromatosis (CYLD) in vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2012, 420, 78-83.	2.1	19
44	CYLD exaggerates pressure overload-induced cardiomyopathy via suppressing autolysosome efflux in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2020, 145, 59-73.	1.9	18
45	CDDO and Its Role in Chronic Diseases. Advances in Experimental Medicine and Biology, 2016, 929, 291-314.	1.6	16
46	Impaired expression of PPARÎ³ protein contributes to the exaggerated growth of vascular smooth muscle cells in spontaneously hypertensive rats. Life Sciences, 2005, 77, 3037-3048.	4.3	15
47	Impact of a Combined High Cholesterol Diet and High Glucose Environment on Vasculature. PLoS ONE, 2013, 8, e81485.	2.5	15
48	Resveratrol-Mediated Attenuation of Staphylococcus aureus Enterotoxin B-Induced Acute Liver Injury Is Associated With Regulation of microRNA and Induction of Myeloid-Derived Suppressor Cells. Frontiers in Microbiology, 2018, 9, 2910.	3.5	15
49	An emerging role of deubiquitinating enzyme cylindromatosis (CYLD) in the tubulointerstitial inflammation of IgA nephropathy. Biochemical and Biophysical Research Communications, 2009, 390, 307-312.	2.1	14
50	Ubiquitin Carboxyl Terminal Hydrolyase L1 -Suppressed Autophagic Degradation of p21WAF1/Cip1 as a Novel Feedback Mechanism in the Control of Cardiac Fibroblast Proliferation. PLoS ONE, 2014, 9, e94658.	2.5	14
51	American ginseng inhibits vascular smooth muscle cell proliferation via suppressing Jak/Stat pathway. Journal of Ethnopharmacology, 2012, 144, 782-785.	4.1	13
52	Expression of recombinant human IL-4 in Pichia pastoris and relationship between its glycosylation and biological activity. Protein Expression and Purification, 2014, 96, 1-7.	1.3	12
53	Critical role of the endogenous renin-angiotensin system in maintaining self-renewal and regeneration potential of epidermal stem cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 2647-2656.	3.8	11
54	An inhibitor role of Nrf2 in the regulation of myocardial senescence and dysfunction after myocardial infarction. Life Sciences, 2020, 259, 118199.	4.3	10

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55	Molecules from American Ginseng Suppress Colitis through Nuclear Factor Erythroid-2-Related Factor 2. Nutrients, 2020, 12, 1850.	4.1	9
56	The Spike Protein of SARS-CoV-2 Impairs Lipid Metabolism and Increases Susceptibility to Lipotoxicity: Implication for a Role of Nrf2. Cells, 2022, 11, 1916.	4.1	9
57	Inhibitory role of reactive oxygen species in the differentiation of multipotent vascular stem cells into vascular smooth muscle cells in rats: a novel aspect of traditional culture of rat aortic smooth muscle cells. Cell and Tissue Research, 2015, 362, 97-113.	2.9	7
58	Loss of Atg7 in Endothelial Cells Enhanced Cutaneous Wound Healing in a Mouse Model. Journal of Surgical Research, 2020, 249, 145-155.	1.6	7
59	Autophagy Controls Nrf2-Mediated Dichotomy in Pressure Overloaded Hearts. Frontiers in Physiology, 2021, 12, 673145.	2.8	7
60	High level expression, efficient purification, and bioactivity of recombinant human metallothionein 3 (rhMT3) from methylotrophic yeast Pichia pastoris. Protein Expression and Purification, 2014, 101, 121-126.	1.3	5
61	Cullin Deneddylation Suppresses the Necroptotic Pathway in Cardiomyocytes. Frontiers in Physiology, 2021, 12, 690423.	2.8	5
62	Effect of microgrooves and fibronectin conjugation on the osteoblast marker gene expression and differentiation. Journal of Advanced Prosthodontics, 2015, 7, 496.	2.6	4
63	Functional states of resident vascular stem cells and vascular remodeling. Frontiers in Biology, 2015, 10, 387-397.	0.7	2
64	The Role of Nrf2 in the Cardiovascular System and Atherosclerosis. Agents and Actions Supplements, 2020, , 97-127.	0.2	0