

Peng Gao

List of Publications by Year in descending order

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57
papers

2,067
citations

257450

24
h-index

254184

43
g-index

58
all docs

58
docs citations

58
times ranked

2725
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive oxygen species promote tubular injury in diabetic nephropathy: The role of the mitochondrial ros-txnip-nlrp3 biological axis. <i>Redox Biology</i> , 2018, 16, 32-46.	9.0	269
2	Age-Associated Sirtuin 1 Reduction in Vascular Smooth Muscle Links Vascular Senescence and Inflammation to Abdominal Aortic Aneurysm. <i>Circulation Research</i> , 2016, 119, 1076-1088.	4.5	196
3	CdSe/ZnS quantum dots induce hepatocyte pyroptosis and liver inflammation via NLRP3 inflammasome activation. <i>Biomaterials</i> , 2016, 90, 27-39.	11.4	121
4	Overexpression of SIRT1 in vascular smooth muscle cells attenuates angiotensin II-induced vascular remodeling and hypertension in mice. <i>Journal of Molecular Medicine</i> , 2014, 92, 347-357.	3.9	100
5	Inhibition of Mitochondrial Calcium Overload by SIRT3 Prevents Obesity- or Age-Related Whitening of Brown Adipose Tissue. <i>Diabetes</i> , 2020, 69, 165-180.	0.6	77
6	Sodium Intake Regulates Glucose Homeostasis through the PPAR α /Adiponectin-Mediated SGLT2 Pathway. <i>Cell Metabolism</i> , 2016, 23, 699-711.	16.2	76
7	HIF 1α ameliorates tubular injury in diabetic nephropathy via HO 1 -mediated control of mitochondrial dynamics. <i>Cell Proliferation</i> , 2020, 53, e12909.	5.3	74
8	Mitochondria-Associated Endoplasmic Reticulum Membranes in Cardiovascular Diseases. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 604240.	3.7	69
9	Ameliorating Endothelial Mitochondrial Dysfunction Restores Coronary Function via Transient Receptor Potential Vanilloid 1-Mediated Protein Kinase A/Uncoupling Protein 2 Pathway. <i>Hypertension</i> , 2016, 67, 451-460.	2.7	61
10	Activation of TRPV1 attenuates high salt-induced cardiac hypertrophy through improvement of mitochondrial function. <i>British Journal of Pharmacology</i> , 2015, 172, 5548-5558.	5.4	58
11	Calorie restriction protects against experimental abdominal aortic aneurysms in mice. <i>Journal of Experimental Medicine</i> , 2016, 213, 2473-2488.	8.5	54
12	Disulfide-bond A oxidoreductase-like protein protects against ectopic fat deposition and lipid-related kidney damage in diabetic nephropathy. <i>Kidney International</i> , 2019, 95, 880-895.	5.2	54
13	DsbA-L ameliorates high glucose induced tubular damage through maintaining MAM integrity. <i>EBioMedicine</i> , 2019, 43, 607-619.	6.1	53
14	Activation of TRPV1 channel antagonizes diabetic nephropathy through inhibiting endoplasmic reticulum-mitochondria contact in podocytes. <i>Metabolism: Clinical and Experimental</i> , 2020, 105, 154182.	3.4	53
15	Mitochondrial respiratory dysfunctions of blood mononuclear cells link with cardiac disturbance in patients with early-stage heart failure. <i>Scientific Reports</i> , 2015, 5, 10229.	3.3	46
16	Salt-Induced Hepatic Inflammatory Memory Contributes to Cardiovascular Damage Through Epigenetic Modulation of SIRT3. <i>Circulation</i> , 2022, 145, 375-391.	1.6	38
17	Lipophagy deficiency exacerbates ectopic lipid accumulation and tubular cells injury in diabetic nephropathy. <i>Cell Death and Disease</i> , 2021, 12, 1031.	6.3	37
18	Activation of TRPV4 by dietary apigenin antagonizes renal fibrosis in deoxycorticosterone acetate (DOCA)-salt-induced hypertension. <i>Clinical Science</i> , 2017, 131, 567-581.	4.3	36

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19	Enhanced Mitochondrial Transient Receptor Potential Channel, Canonical Type 3 Mediated Calcium Handling in the Vasculature From Hypertensive Rats. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	32
20	Activation of Transient Receptor Potential Melastatin Subtype 8 Attenuates Cold-Induced Hypertension Through Ameliorating Vascular Mitochondrial Dysfunction. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	31
21	Caffeine intake antagonizes salt sensitive hypertension through improvement of renal sodium handling. <i>Scientific Reports</i> , 2016, 6, 25746.	3.3	30
22	Mitochondria-Associated Endoplasmic Reticulum Membranes (MAMs) and Their Prospective Roles in Kidney Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-21.	4.0	29
23	The Involvement of NFAT Transcriptional Activity Suppression in SIRT1-Mediated Inhibition of COX-2 Expression Induced by PMA/Ionomycin. <i>PLoS ONE</i> , 2014, 9, e97999.	2.5	28
24	Deficiency of PKD2L1 (TRPP3) Exacerbates Pathological Cardiac Hypertrophy by Augmenting NCX1-Mediated Mitochondrial Calcium Overload. <i>Cell Reports</i> , 2018, 24, 1639-1652.	6.4	27
25	Bisphenol A promotes breast cancer cell proliferation by driving miR-381-3p-PTTG1-dependent cell cycle progression. <i>Chemosphere</i> , 2021, 268, 129221.	8.2	25
26	DsbA-L deficiency exacerbates mitochondrial dysfunction of tubular cells in diabetic kidney disease. <i>Clinical Science</i> , 2020, 134, 677-694.	4.3	25
27	Activation of Glucagon-Like Peptide-1 Receptor Ameliorates Cognitive Decline in Type 2 Diabetes Mellitus Through a Metabolism-Independent Pathway. <i>Journal of the American Heart Association</i> , 2021, 10, e020734.	3.7	24
28	GATA4 inhibits cell differentiation and proliferation in pancreatic cancer. <i>PLoS ONE</i> , 2018, 13, e0202449.	2.5	23
29	TRPC3 deficiency attenuates high salt-induced cardiac hypertrophy by alleviating cardiac mitochondrial dysfunction. <i>Biochemical and Biophysical Research Communications</i> , 2019, 519, 674-681.	2.1	22
30	Effects of Omega-3 Fatty Acids on Markers of Inflammation in Patients With Chronic Kidney Disease: A Controversial Issue. <i>Therapeutic Apheresis and Dialysis</i> , 2018, 22, 124-132.	0.9	19
31	Caloric Restriction Exacerbates Angiotensin II-Induced Abdominal Aortic Aneurysm in the Absence of p53. <i>Hypertension</i> , 2019, 73, 547-560.	2.7	19
32	Aristolochic acid induces renal fibrosis by arresting proximal tubular cells in G2/M phase mediated by HIF-1. <i>FASEB Journal</i> , 2020, 34, 12599-12614.	0.5	19
33	Activation of Transient Receptor Potential Channel Vanilloid 4 by DPP-4 (Dipeptidyl Peptidase-4) Inhibitor Vildagliptin Protects Against Diabetic Endothelial Dysfunction. <i>Hypertension</i> , 2020, 75, 150-162.	2.7	18
34	S1PR2/RhoA/ROCK1 pathway promotes inflammatory bowel disease by inducing intestinal vascular endothelial barrier damage and M1 macrophage polarization. <i>Biochemical Pharmacology</i> , 2022, 201, 115077.	4.4	18
35	The Paraoxonase Gene Cluster Protects Against Abdominal Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 291-300.	2.4	16
36	Inhibition of STAT3- and MAPK-dependent PGE2 synthesis ameliorates phagocytosis of fibrillar A β -amyloid peptide (1-42) via EP2 receptor in EMF-stimulated N9 microglial cells. <i>Journal of Neuroinflammation</i> , 2016, 13, 296.	7.2	15

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37	Asprosin induces vascular endothelial-to-mesenchymal transition in diabetic lower extremity peripheral artery disease. <i>Cardiovascular Diabetology</i> , 2022, 21, 25.	6.8	15
38	Impairment of Bitter Taste Sensor Transient Receptor Potential Channel M5-Mediated Aversion Aggravates High-Salt Intake and Hypertension. <i>Hypertension</i> , 2019, 74, 1021-1032.	2.7	14
39	Low-glucose-sensitive TRPC6 dysfunction drives hypoglycemia-induced cognitive impairment in diabetes. <i>Clinical and Translational Medicine</i> , 2020, 10, e205.	4.0	14
40	Reducing NADPH Synthesis Counteracts Diabetic Nephropathy through Restoration of AMPK Activity in Type 1 Diabetic Rats. <i>Cell Reports</i> , 2020, 32, 108207.	6.4	12
41	Mitophagy: A Novel Therapeutic Target for Treating DN. <i>Current Medicinal Chemistry</i> , 2021, 28, 2717-2728.	2.4	12
42	Recurrent moderate hypoglycemia accelerates the progression of Alzheimer's disease through impairment of the TRPC6/GLUT3 pathway. <i>JCI Insight</i> , 2022, 7, .	5.0	12
43	Stimulation of Intestinal Cl- Secretion Through CFTR by Caffeine Intake in Salt-Sensitive Hypertensive Rats. <i>Kidney and Blood Pressure Research</i> , 2018, 43, 439-448.	2.0	11
44	The role of adipose TRP channels in the pathogenesis of obesity. <i>Journal of Cellular Physiology</i> , 2019, 234, 12483-12497.	4.1	11
45	Activation of the bitter taste sensor TRPM5 prevents high salt-induced cardiovascular dysfunction. <i>Science China Life Sciences</i> , 2020, 63, 1665-1677.	4.9	10
46	Occupational exposure to 50 Hz magnetic fields does not alter responses of inflammatory genes and activation of splenic lymphocytes in mice. <i>International Journal of Occupational Medicine and Environmental Health</i> , 2015, 29, 277-291.	1.3	10
47	Lack of TRPV1 aggravates obesity-associated hypertension through the disturbance of mitochondrial Ca ²⁺ homeostasis in brown adipose tissue. <i>Hypertension Research</i> , 2022, 45, 789-801.	2.7	10
48	Non-insulin determinant pathways maintain glucose homeostasis upon metabolic surgery. <i>Cell Discovery</i> , 2018, 4, 58.	6.7	8
49	The Kidney Specific Protein myo-Inositol Oxygenase, a Potential Biomarker for Diabetic Nephropathy. <i>Kidney and Blood Pressure Research</i> , 2018, 43, 1772-1785.	2.0	7
50	AdipoRon Protects against Tubular Injury in Diabetic Nephropathy by Inhibiting Endoplasmic Reticulum Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-15.	4.0	6
51	Effects of subchronic extremely low-frequency electromagnetic field exposure on biochemical parameters in rats. <i>Toxicology and Industrial Health</i> , 2017, 33, 365-372.	1.4	4
52	SOX2 modulated astrocytic process plasticity is involved in arsenic-induced metabolic disorders. <i>Journal of Hazardous Materials</i> , 2022, 435, 128942.	12.4	3
53	Turning Dilatation to Constriction. <i>Hypertension</i> , 2018, 71, 56-58.	2.7	2
54	1800 MHz Radiofrequency Electromagnetic Field Impairs Neurite Outgrowth Through Inhibiting EphA5 Signaling. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 657623.	3.7	2

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55	The involvement of microglial CX3CR1 in heat acclimation-induced amelioration of adult hippocampal neurogenesis impairment in EMF-exposed mice. <i>Brain Research Bulletin</i> , 2021, 177, 181-193.	3.0	1
56	TRPC5 deletion in the central amygdala antagonizes high-fat diet-induced obesity by increasing sympathetic innervation. <i>International Journal of Obesity</i> , 2022, 46, 1544-1555.	3.4	1
57	SIRT1 upregulators from high-throughput screening as anti-proliferation and anti-migration agents in vascular smooth muscle cells (654.2). <i>FASEB Journal</i> , 2014, 28, 654.2.	0.5	0