Zhongjie Sun

List of Publications by Year
in descending order

70 papers	3,366 citations	147801 31 h-index	144013 57 g-index
70 all docs	70 docs citations	70 times ranked	4146 citing authors

#	Article	IF	Citations
1	Klotho deficiencyâ€induced arterial calcification involves osteoblastic transition of VSMCs and activation of BMP signaling. Journal of Cellular Physiology, 2022, 237, 720-729.	4.1	15
2	In Vivo Cardiac-specific Expression of Adenylyl Cyclase 4 Gene Protects against Klotho Deficiency-induced Heart Failure. Translational Research, 2022, 244, 101-113.	5.0	7
3	Adult Mouse Kidney Stem Cells Orchestrate the De Novo Assembly of a Nephron via Sirt2â€Modulated Canonical Wnt/Î²â€Catenin Signaling. Advanced Science, 2022, 9, e2104034.	11.2	5
4	Stem cell therapy for pulmonary arterial hypertension: An update. Journal of Heart and Lung Transplantation, 2022, 41, 692-703.	0.6	5
5	Transplantation of bone marrow cells from miR150 knockout mice improves senescence-associated humoral immune dysfunction and arterial stiffness. Metabolism: Clinical and Experimental, 2022, 134, 155249.	3.4	2
6	Klotho Deficiency Causes Heart Aging via Impairing the Nrf2-GR Pathway. Circulation Research, 2021, 128, 492-507.	4.5	89
7	Kidney-Specific Klotho Gene Deletion Causes Aortic Aneurysm via Hyperphosphatemia. Hypertension, 2021, 78, 308-319.	2.7	8
8	MicroRNA 379 Regulates Klotho Deficiencyâ€“Induced Cardiomyocyte Apoptosis Via Repression of Smurf1. Hypertension, 2021, 78, 342-352.	2.7	15
9	Estrogen inhibits renal Na-Pi Co-transporters and improves klotho deficiency-induced acute heart failure. Redox Biology, 2021, 47, 102173.	9.0	12
10	In vivo AAV delivery of glutathione reductase gene attenuates anti-aging gene klotho deficiency-induced kidney damage. Redox Biology, 2020, 37, 101692.	9.0	21
11	Stem cellâ€derived extracellular vesicles mitigate ageingâ€associated arterial stiffness and hypertension. Journal of Extracellular Vesicles, 2020, 9, 1783869.	12.2	54
12	Epigenetic Regulation of KL (Klotho) via H3K27me3 (Histone 3 Lysine [K] 27 Trimethylation) in Renal Tubule Cells. Hypertension, 2020, 75, 1233-1241.	2.7	24
13	Autophagy plays a critical role in Klotho gene deficiency-induced arterial stiffening and hypertension. Journal of Molecular Medicine, 2019, 97, 1615-1625.	3.9	33
14	Klotho Deficiency Accelerates Stem Cells Aging by Impairing Telomerase Activity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1396-1407.	3.6	58
15	Activation of <scp>DNA</scp> demethylases attenuates agingâ€associated arterial stiffening and hypertension. Aging Cell, 2018, 17, e12762.	6.7	37
16	Secreted Klotho Attenuates Inflammation-Associated Aortic Valve Fibrosis in Senescence-Accelerated Mice P1. Hypertension, 2018, 71, 877-885.	2.7	34
17	Stem cells and anti-aging genes: double-edged swordâ€”do the same job of life extension. Stem Cell Research and Therapy, 2018, 9, 3.	5.5	29
18	A Special Report on the NHLBI Initiative to Study Cellular and Molecular Mechanisms of Arterial Stiffness and Its Association With Hypertension. Circulation Research, 2017, 121, 1216-1218.	4.5	38

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19	AAV Delivery of Endothelin-1 shRNA Attenuates Cold-Induced Hypertension. Human Gene Therapy, 2017, 28, 190-199.	2.7	18
20	Induction of anti-aging gene klotho with a small chemical compound that demethylates CpG islands. Oncotarget, 2017, 8, 46745-46755.	1.8	14
21	Regulation of S-formylglutathione hydrolase by the anti-aging gene klotho. Oncotarget, 2017, 8, 88259-88275.	1.8	12
22	Monocrotaline-Induced Pulmonary Hypertension Involves Downregulation of Antiaging Protein Klotho and eNOS Activity. Hypertension, 2016, 68, 1255-1263.	2.7	37
23	Deficiency in the antiâ€aging gene Klotho promotes aortic valve fibrosis through <scp>AMPK</scp> Î±â€mediated activation of <scp>RUNX</scp> 2. Aging Cell, 2016, 15, 853-860.	6.7	41
24	Activation of SIRT1 Attenuates Klotho Deficiencyâ€“Induced Arterial Stiffness and Hypertension by Enhancing AMP-Activated Protein Kinase Activity. Hypertension, 2016, 68, 1191-1199.	2.7	115
25	The Antiaging Gene Klotho Regulates Proliferation and Differentiation of Adipose-Derived Stem Cells. Stem Cells, 2016, 34, 1615-1625.	3.2	51
26	Antiaging Gene Klotho Deficiency Promoted High-Fat Dietâ€“Induced Arterial Stiffening via Inactivation of AMP-Activated Protein Kinase. Hypertension, 2016, 67, 564-573.	2.7	48
27	Antiaging Gene Klotho Regulates Adrenal CYP11B2 Expression and Aldosterone Synthesis. Journal of the American Society of Nephrology: JASN, 2016, 27, 1765-1776.	6.1	40
28	Aging, Arterial Stiffness, and Hypertension. Hypertension, 2015, 65, 252-256.	2.7	408
29	Klotho Gene Deficiency Causes Salt-Sensitive Hypertension via Monocyte Chemotactic Protein-1/CC Chemokine Receptor 2â€“Mediated Inflammation. Journal of the American Society of Nephrology: JASN, 2015, 26, 121-132.	6.1	89
30	Molecular Basis of Klotho: From Gene to Function in Aging. Endocrine Reviews, 2015, 36, 174-193.	20.1	336
31	Haplodeficiency of Klotho Gene Causes Arterial Stiffening via Upregulation of Scleraxis Expression and Induction of Autophagy. Hypertension, 2015, 66, 1006-1013.	2.7	63
32	Antiaging Gene Klotho Attenuates Pancreatic Î²-Cell Apoptosis in Type 1 Diabetes. Diabetes, 2015, 64, 4298-4311.	0.6	73
33	In Vivo Pancreatic Î²-Cellâ€“Specific Expression of Antiaging Gene Klotho: A Novel Approach for Preserving Î²-Cells in Type 2 Diabetes. Diabetes, 2015, 64, 1444-1458.	0.6	90
34	Molecular Mechanisms of Pulmonary Arterial Remodeling. Molecular Medicine, 2014, 20, 191-201.	4.4	89
35	AAV Delivery of Tumor Necrosis Factor-Î± Short Hairpin RNA Attenuates Cold-Induced Pulmonary Hypertension and Pulmonary Arterial Remodeling. Hypertension, 2014, 64, 1141-1150.	2.7	30
36	Platelet TLR4. Circulation Research, 2014, 114, 1551-1553.	4.5	8

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37	The potential and challenges of using stem cells for cardiovascular repair and regeneration. Genes and Diseases, 2014, 1, 113-119.	3.4	67
38	Genetic Deficiency of Anti-Aging Gene Klotho Exacerbates Early Nephropathy in STZ-Induced Diabetes in Male Mice. Endocrinology, 2013, 154, 3855-3863.	2.8	60
39	Pre-B cell colony enhancing factor (PBEF), a cytokine with multiple physiological functions. Cytokine and Growth Factor Reviews, 2013, 24, 433-442.	7.2	75
40	Inhibition of Phosphodiesterase-1 Attenuates Cold-Induced Pulmonary Hypertension. Hypertension, 2013, 61, 585-592.	2.7	28
41	Klotho Gene Deficiency Exacerbates Early Diabetic Nephropathy. FASEB Journal, 2013, 27, 955.18.	0.5	1
42	Inhibition fibroblast growth factor receptor (FGFR) attenuates antiâ€aging gene klotho deficiency induced hypertension. FASEB Journal, 2013, 27, 906.1.	0.5	0
43	Normal IgG Downregulates the Intracellular Superoxide Level and Attenuates Migration and Permeability in Human Aortic Endothelial Cells Isolated From a Hypertensive Patient. Hypertension, 2012, 60, 818-826.	2.7	15
44	AAV-Based RNAi Silencing of NADPH Oxidase gp91^{phox} Attenuates Cold-Induced Cardiovascular Dysfunction. Human Gene Therapy, 2012, 23, 1016-1026.	2.7	20
45	Antiaging Gene Klotho Enhances Glucose-Induced Insulin Secretion by Up-Regulating Plasma Membrane Levels of TRPV2 in MIN6 Î²-Cells. Endocrinology, 2012, 153, 3029-3039.	2.8	60
46	Klotho gene delivery suppresses Nox2 expression and attenuates oxidative stress in rat aortic smooth muscle cells via the cAMPâ€PKA pathway. Aging Cell, 2012, 11, 410-417.	6.7	105
47	Klotho Enhances Glucoseâ€induced Insulin Secretion by Upregulating Plasma Membrane Retention of TRPV2. FASEB Journal, 2012, 26, 713.4.	0.5	0
48	RNAi Silencing of TNFÎ± Attenuates Coldâ€induced Pulmonary Hypertension (CIPH). FASEB Journal, 2012, 26, 874.8.	0.5	0
49	Aging-related kidney damage is associated with a decrease in klotho expression and an increase in superoxide production. Age, 2011, 33, 261-274.	3.0	53
50	Klotho Gene Deficiency Causes Hypertension and Kidney Damage. FASEB Journal, 2011, 25, 661.13.	0.5	0
51	Cold Exposure Causes Pulmonary Hypertension via Upregulation of Phosphodiesterase 1C (PDE1C). FASEB Journal, 2011, 25, 661.12.	0.5	0
52	Klotho Regulates ETB Receptor Expression via the PKC/câ€Jun Pathway. FASEB Journal, 2011, 25, 666.5.	0.5	0
53	Nitric oxide, oxidative stress and inflammation in pulmonary arterial hypertension. Journal of Hypertension, 2010, 28, 201-212.	0.5	139
54	Thyroid hormone induces artery smooth muscle cell proliferation: discovery of a new TRÎ±1â€Nox1 pathway. Journal of Cellular and Molecular Medicine, 2010, 14, 368-380.	3.6	22

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55	Cardiovascular responses to cold exposure. Frontiers in Bioscience - Elite, 2010, E2, 495-503.	1.8	103
56	Ribonucleic Acid Interference Knockdown of Interleukin 6 Attenuates Cold-Induced Hypertension. Hypertension, 2010, 55, 1484-1491.	2.7	49
57	Agingâ€Related Renal Damage Is Associated with Decreased Klotho Expression and Increased Superoxide Production. FASEB Journal, 2010, 24, 1059.14.	0.5	0
58	Klotho Gene Delivery Suppresses Endothelinâ€1 Production but Upregulates ETB Receptors in Kidneys in SHR. FASEB Journal, 2010, 24, 812.20.	0.5	0
59	Thyroid Hormone Ameliorates Diabetic Nephropathy in Type II Diabetes. FASEB Journal, 2010, 24, 812.4.	0.5	0
60	Genetic B Lymphocyte Deficiency Attenuates Coldâ€induced Hypertension. FASEB Journal, 2010, 24, 792.6.	0.5	1
61	RNAi Inhibition of Interleukinâ€6 Attenuates Coldâ€induced Hypertension. FASEB Journal, 2010, 24, 792.1.	0.5	0
62	Klotho Gene Delivery Prevents the Progression of Spontaneous Hypertension and Renal Damage. Hypertension, 2009, 54, 810-817.	2.7	167
63	Current understanding of klotho. Ageing Research Reviews, 2009, 8, 43-51.	10.9	255
64	Role of Phosphodiesterase 1A in Coldâ€induced Hypertension and Cardiac Hypertrophy. FASEB Journal, 2009, 23, 802.8.	0.5	0
65	RNAi inhibition of mineralocorticoid receptors prevents the development of cold-induced hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1880-H1887.	3.2	33
66	Thyroid hormone induces artery smooth muscle cell proliferation: discovery of a new TRÎ±1â€Nox1 pathway. FASEB Journal, 2008, 22, 1147.11.	0.5	1
67	AAV Delivery of gp91â€shRNA Stimulates Synthesis and Release of Insulin and Attenuates Blood Glucose Level in Type 2 Diabetes. FASEB Journal, 2008, 22, 1226.9.	0.5	0
68	Endothelinâ€1 Inhibits Nox1 in Human Abdominal Aortic Endothelial cells: a Novel Function of ETB1 receptors. FASEB Journal, 2008, 22, 1235.4.	0.5	0
69	Effects of chronic cold exposure on the endothelin system. Journal of Applied Physiology, 2006, 100, 1719-1726.	2.5	36
70	Human eNOS gene delivery attenuates cold-induced elevation of blood pressure in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H1161-H1168.	3.2	28