Yingjie Chen

List of Publications by Year
in descending order

105 papers	5,000 citations	66315 42 h-index	98753 67 g-index
108 all docs	108 docs citations	108 times ranked	6989 citing authors

#	Article	IF	Citations
1	PGC-1Î± Regulates Expression of Myocardial Mitochondrial Antioxidants and Myocardial Oxidative Stress After Chronic Systolic Overload. Antioxidants and Redox Signaling, 2010, 13, 1011-1022.	2.5	186
2	AMP Activated Protein Kinase-Î±2 Deficiency Exacerbates Pressure-Overloadâ€“Induced Left Ventricular Hypertrophy and Dysfunction in Mice. Hypertension, 2008, 52, 918-924.	1.3	165
3	Does vitamin D deficiency increase the severity of COVID-19?. Clinical Medicine, 2020, 20, e107-e108.	0.8	162
4	Oxidative Stress Regulates Left Ventricular PDE5 Expression in the Failing Heart. Circulation, 2010, 121, 1474-1483.	1.6	149
5	Identification of a Gene Expression Profile That Differentiates Between Ischemic and Nonischemic Cardiomyopathy. Circulation, 2004, 110, 3444-3451.	1.6	132
6	Inducible Nitric Oxide Synthase Deficiency Protects the Heart From Systolic Overloadâ€“Induced Ventricular Hypertrophy and Congestive Heart Failure. Circulation Research, 2007, 100, 1089-1098.	2.0	132
7	Short term Pm2.5 exposure caused a robust lung inflammation, vascular remodeling, and exacerbated transition from left ventricular failure to right ventricular hypertrophy. Redox Biology, 2019, 22, 101161.	3.9	129
8	Cardiac troponin T alterations in myocardium and serum of rats after stressful, prolonged intense exercise. Journal of Applied Physiology, 2000, 88, 1749-1755.	1.2	128
9	Left Ventricular Failure Produces Profound Lung Remodeling and Pulmonary Hypertension in Mice. Hypertension, 2012, 59, 1170-1178.	1.3	124
10	Alterations of gene expression in failing myocardium following left ventricular assist device support. Physiological Genomics, 2003, 14, 251-260.	1.0	119
11	Dimethylarginine Dimethylaminohydrolase-1 Is the Critical Enzyme for Degrading the Cardiovascular Risk Factor Asymmetrical Dimethylarginine. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1540-1546.	1.1	119
12	Genomic profiling of the human heart before and after mechanical support with a ventricular assist device reveals alterations in vascular signaling networks. Physiological Genomics, 2004, 17, 283-291.	1.0	117
13	Genetic and Pharmacologic Inhibition of the Chemokine Receptor CXCR2 Prevents Experimental Hypertension and Vascular Dysfunction. Circulation, 2016, 134, 1353-1368.	1.6	110
14	Differential Regulation of Membrane Guanylyl Cyclases in Congestive Heart Failure: Natriuretic Peptide Receptor (NPR)-B, Not NPR-A, Is the Predominant Natriuretic Peptide Receptor in the Failing Heart. Endocrinology, 2007, 148, 3518-3522.	1.4	103
15	TRAF1 is a critical regulator of cerebral ischaemiaâ€“reperfusion injury and neuronal death. Nature Communications, 2013, 4, 2852.	5.8	94
16	Asymmetric dimethylarginine (ADMA) as an important risk factor for the increased cardiovascular diseases and heart failure in chronic kidney disease. Nitric Oxide - Biology and Chemistry, 2018, 78, 113-120.	1.2	92
17	Extracellular Superoxide Dismutase Deficiency Exacerbates Pressure Overloadâ€“Induced Left Ventricular Hypertrophy and Dysfunction. Hypertension, 2008, 51, 19-25.	1.3	91
18	Extracellular superoxide dismutase protects the heart against oxidative stress and hypertrophy after myocardial infarction. Free Radical Biology and Medicine, 2008, 44, 1305-1313.	1.3	86

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19	Role of Interferon Regulatory Factor 4 in the Regulation of Pathological Cardiac Hypertrophy. Hypertension, 2013, 61, 1193-1202.	1.3	86
20	Endoplasmic Reticulum Stress Sensor Protein Kinase Râ€“Like Endoplasmic Reticulum Kinase (PERK) Protects Against Pressure Overloadâ€“Induced Heart Failure and Lung Remodeling. Hypertension, 2014, 64, 738-744.	1.3	86
21	Cardiac-specific mindin overexpression attenuates cardiac hypertrophy via blocking AKT/GSK3Î² and TGF-Î²1â€“Smad signalling. Cardiovascular Research, 2011, 92, 85-94.	1.8	81
22	Interferon Regulatory Factor 7 Functions as a Novel Negative Regulator of Pathological Cardiac Hypertrophy. Hypertension, 2014, 63, 713-722.	1.3	81
23	Xanthine Oxidase Inhibition With Febuxostat Attenuates Systolic Overload-Induced Left Ventricular Hypertrophy and Dysfunction in Mice. Journal of Cardiac Failure, 2008, 14, 746-753.	0.7	77
24	Vascular Endothelial-Specific Dimethylarginine Dimethylaminohydrolase-1â€“Deficient Mice Reveal That Vascular Endothelium Plays an Important Role in Removing Asymmetric Dimethylarginine. Circulation, 2009, 120, 2222-2229.	1.6	77
25	AMP Activated Protein Kinase-Î±2 Regulates Expression of Estrogen-Related Receptor-Î±, a Metabolic Transcription Factor Related to Heart Failure Development. Hypertension, 2011, 58, 696-703.	1.3	76
26	Interferon Regulatory Factor 1 Is Required for Cardiac Remodeling in Response to Pressure Overload. Hypertension, 2014, 64, 77-86.	1.3	75
27	Nitric Oxide Modulates Myocardial Oxygen Consumption in the Failing Heart. Circulation, 2002, 106, 273-279.	1.6	72
28	Interferon regulatory factor 9 protects against hepatic insulin resistance and steatosis in male mice. Hepatology, 2013, 58, 603-616.	3.6	72
29	Exacerbated Pulmonary Arterial Hypertension and Right Ventricular Hypertrophy in Animals With Loss of Function of Extracellular Superoxide Dismutase. Hypertension, 2011, 58, 303-309.	1.3	71
30	AMPKÎ±2 deficiency exacerbates long-term PM2.5 exposure-induced lung injury and cardiac dysfunction. Free Radical Biology and Medicine, 2018, 121, 202-214.	1.3	67
31	Metformin Protects Against Systolic Overloadâ€“Induced Heart Failure Independent of AMP-Activated Protein Kinase Î±2. Hypertension, 2014, 63, 723-728.	1.3	66
32	Loss of AMPK exacerbates experimental autoimmune encephalomyelitis disease severity. Biochemical and Biophysical Research Communications, 2009, 386, 16-20.	1.0	64
33	Increasing Regulatory T Cells With Interleukin-2 and Interleukin-2 Antibody Complexes Attenuates Lung Inflammation and Heart Failure Progression. Hypertension, 2016, 68, 114-122.	1.3	64
34	Interferon regulatory factor 3 is a negative regulator of pathological cardiac hypertrophy. Basic Research in Cardiology, 2013, 108, 326.	2.5	63
35	Cyclic Nucleotide Phosphodiesterase Type 5 Activity Limits Blood Flow to Hypoperfused Myocardium During Exercise. Circulation, 2000, 102, 2997-3002.	1.6	54
36	Dimethylarginine dimethylaminohydrolase and endothelial dysfunction in failing hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2212-H2219.	1.5	53

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37	Renal hyporesponsiveness to atrial natriuretic peptide in congestive heart failure results from reduced atrial natriuretic peptide receptor concentrations. American Journal of Physiology - Renal Physiology, 2007, 292, F1636-F1644.	1.3	51
38	Legumain Is an Endogenous Modulator of Integrin Î±vÎ²3 Triggering Vascular Degeneration, Dissection, and Rupture. Circulation, 2022, 145, 659-674.	1.6	50
39	Increased superoxide production causes coronary endothelial dysfunction and depressed oxygen consumption in the failing heart. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H133-H141.	1.5	47
40	Effect of asymmetric dimethylarginine (ADMA) on heart failure development. Nitric Oxide - Biology and Chemistry, 2016, 54, 73-81.	1.2	45
41	A comparative study of discriminating human heart failure etiology using gene expression profiles. BMC Bioinformatics, 2005, 6, 205.	1.2	43
42	Disruption of Sarcolemmal ATP-Sensitive Potassium Channel Activity Impairs the Cardiac Response to Systolic Overload. Circulation Research, 2008, 103, 1009-1017.	2.0	43
43	Toll-interacting protein (Tollip) negatively regulates pressure overload-induced ventricular hypertrophy in mice. Cardiovascular Research, 2014, 101, 87-96.	1.8	43
44	Adenosine A ₃ Receptor Deficiency Exerts Unanticipated Protective Effects on the Pressure-Overloaded Left Ventricle. Circulation, 2008, 118, 1713-1721.	1.6	41
45	Dimethylarginine Dimethylaminohydrolase 1 Modulates Endothelial Cell Growth Through Nitric Oxide and Akt. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 890-897.	1.1	41
46	Microtubule Actin Cross-Linking Factor 1 Regulates Cardiomyocyte Microtubule Distribution and Adaptation to Hemodynamic Overload. PLoS ONE, 2013, 8, e73887.	1.1	41
47	Double-Stranded RNAâ€“Dependent Protein Kinase Deficiency Protects the Heart From Systolic Overload-Induced Congestive Heart Failure. Circulation, 2014, 129, 1397-1406.	1.6	41
48	AMPK attenuates microtubule proliferation in cardiac hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H749-H758.	1.5	40
49	Loss of the Eukaryotic Initiation Factor 2Î± Kinase General Control Nonderepressible 2 Protects Mice From Pressure Overloadâ€“Induced Congestive Heart Failure Without Affecting Ventricular Hypertrophy. Hypertension, 2014, 63, 128-135.	1.3	40
50	Ecto-5â€²-Nucleotidase Deficiency Exacerbates Pressure-Overloadâ€“Induced Left Ventricular Hypertrophy and Dysfunction. Hypertension, 2008, 51, 1557-1564.	1.3	39
51	AMP-Activated Protein Kinase Î±1 Protects Against Diet-Induced Insulin Resistance and Obesity. Diabetes, 2012, 61, 3114-3125.	0.3	39
52	CD28/B7 Deficiency Attenuates Systolic Overload-Induced Congestive Heart Failure, Myocardial and Pulmonary Inflammation, and Activated T Cell Accumulation in the Heart and Lungs. Hypertension, 2016, 68, 688-696.	1.3	37
53	Role of bone marrow-derived CD11c+ dendritic cells in systolic overload-induced left ventricular inflammation, fibrosis and hypertrophy. Basic Research in Cardiology, 2017, 112, 25.	2.5	36
54	NADPH oxidase contributes to coronary endothelial dysfunction in the failing heart. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H840-H846.	1.5	33

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55	Vinexin-Î² protects against cardiac hypertrophy by blocking the Akt-dependent signalling pathway. Basic Research in Cardiology, 2013, 108, 338.	2.5	31
56	Effect of PDE5 inhibition on coronary hemodynamics in pacing-induced heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1513-H1520.	1.5	30
57	Cardiomyocyte dimethylarginine dimethylaminohydrolase-1 (DDAH1) plays an important role in attenuating ventricular hypertrophy and dysfunction. Basic Research in Cardiology, 2017, 112, 55.	2.5	30
58	CircMEG3 inhibits telomerase activity by reducing Cbf5 in human liver cancer stem cells. Molecular Therapy - Nucleic Acids, 2021, 23, 310-323.	2.3	30
59	BMSC Transplantation Aggravates Inflammation, Oxidative Stress, and Fibrosis and Impairs Skeletal Muscle Regeneration. Frontiers in Physiology, 2019, 10, 87.	1.3	28
60	Acute Effects of Febuxostat, a Nonpurine Selective Inhibitor of Xanthine Oxidase, in Pacing Induced Heart Failure. Journal of Cardiovascular Pharmacology, 2006, 48, 255-263.	0.8	27
61	Adenosine regulation of microtubule dynamics in cardiac hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H523-H532.	1.5	27
62	Disruption of mindin exacerbates cardiac hypertrophy and fibrosis. Journal of Molecular Medicine, 2012, 90, 895-910.	1.7	26
63	Can intestinal microbiota and circulating microbial products contribute to pulmonary arterial hypertension?. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1093-H1101.	1.5	26
64	DDAH1 Deficiency Attenuates Endothelial Cell Cycle Progression and Angiogenesis. PLoS ONE, 2013, 8, e79444.	1.1	26
65	Effect of sildenafil on coronary active and reactive hyperemia. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2319-H2325.	1.5	24
66	Inhibition of NO production increases myocardial blood flow and oxygen consumption in congestive heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H2278-H2283.	1.5	23
67	Reduced expression of mitochondrial electron transport chain proteins from hibernating hearts relative to ischemic preconditioned hearts in the second window of protection. Journal of Molecular and Cellular Cardiology, 2013, 60, 90-96.	0.9	21
68	Increased extravascular forces limit endothelium-dependent and -independent coronary vasodilation in congestive heart failure. Cardiovascular Research, 2001, 52, 454-461.	1.8	19
69	Adenosine kinase attenuates cardiomyocyte microtubule stabilization and protects against pressure overload-induced hypertrophy and LV dysfunction. Journal of Molecular and Cellular Cardiology, 2019, 130, 49-58.	0.9	19
70	Long noncoding RNA MEG3 blocks telomerase activity in human liver cancer stem cells epigenetically. Stem Cell Research and Therapy, 2020, 11, 518.	2.4	19
71	Isolevuglandin scavenger attenuates pressure overload-induced cardiac oxidative stress, cardiac hypertrophy, heart failure and lung remodeling. Free Radical Biology and Medicine, 2019, 141, 291-298.	1.3	18
72	miR24â€2 accelerates progression of liver cancer cells by activating Pim1 through triâ€methylation of Histone H3 on the ninth lysine. Journal of Cellular and Molecular Medicine, 2020, 24, 2772-2790.	1.6	17

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73	Adenosine kinase regulation of cardiomyocyte hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1722-H1732.	1.5	16
74	S-nitrosylation of PDE5 increases its ubiquitinâ€“proteasomal degradation. Free Radical Biology and Medicine, 2015, 86, 343-351.	1.3	16
75	Dimethylarginine dimethylaminohydrolase 1 deficiency aggravates monocrotaline-induced pulmonary oxidative stress, pulmonary arterial hypertension and right heart failure in rats. International Journal of Cardiology, 2019, 295, 14-20.	0.8	16
76	miR-155 Accelerates the Growth of Human Liver Cancer Cells by Activating CDK2 via Targeting H3F3A. Molecular Therapy - Oncolytics, 2020, 17, 471-483.	2.0	16
77	Kidney failure, arterial hypertension and left ventricular hypertrophy in rats with loss of function mutation of SOD3. Free Radical Biology and Medicine, 2020, 152, 787-796.	1.3	16
78	Single-Cell Transcriptome Analysis Decipher New Potential Regulation Mechanism of ACE2 and NPs Signaling Among Heart Failure Patients Infected With SARS-CoV-2. Frontiers in Cardiovascular Medicine, 2021, 8, 628885.	1.1	16
79	NOX2-Induced Myocardial Fibrosis and Diastolic Dysfunction. Journal of the American College of Cardiology, 2014, 63, 2742-2744.	1.2	15
80	Alterations in the expression and activity of creatine kinase-M and mitochondrial creatine kinase subunits in skeletal muscle following prolonged intense exercise in rats. European Journal of Applied Physiology and Occupational Physiology, 2000, 81, 114-119.	1.2	14
81	Borrowing information from relevant microarray studies for sample classification using weighted partial least squares. Computational Biology and Chemistry, 2005, 29, 204-211.	1.1	13
82	Delayed Treatment Effects of Xanthine Oxidase Inhibition on Systolic Overload-Induced Left Ventricular Hypertrophy and Dysfunction. Nucleosides, Nucleotides and Nucleic Acids, 2010, 29, 306-313.	0.4	13
83	Effect of K + ATP Channel and Adenosine Receptor Blockade During Rest and Exercise in Congestive Heart Failure. Circulation Research, 2007, 100, 1643-1649.	2.0	12
84	Loss of Myocardial CK-MB into the Circulation Following 3.5 Hours of Swimming in a Rat Model. International Journal of Sports Medicine, 2000, 21, 561-565.	0.8	10
85	Regulation of DDAH1 as a Potential Therapeutic Target for Treating Cardiovascular Diseases. Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-6.	0.5	10
86	Systolic overload-induced pulmonary inflammation, fibrosis, oxidative stress and heart failure progression through interleukin-1Î². Journal of Molecular and Cellular Cardiology, 2020, 146, 84-94.	0.9	10
87	Adipose-derived stem cells therapy effectively attenuates PM2.5-induced lung injury. Stem Cell Research and Therapy, 2021, 12, 355.	2.4	9
88	Programmed death-1 promotes contused skeletal muscle regeneration by regulating Treg cells and macrophages. Laboratory Investigation, 2021, 101, 719-732.	1.7	8
89	Repetitive ischemia increases myocardial dimethylarginine dimethylaminohydrolase 1 expression. Vascular Medicine, 2017, 22, 179-188.	0.8	6
90	Blood outgrowth endothelial cells overexpressing eNOS mitigate pulmonary hypertension in rats: a unique carrier cell enabling autologous cell-based gene therapy. Translational Research, 2019, 210, 1-7.	2.2	6

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91	Linoleic acid-modified liposomes for the removal of protein-bound toxins: An in vitro study. International Journal of Artificial Organs, 2021, 44, 393-403.	0.7	6
92	Pharmacological and Genetic Inhibition of PD-1 Demonstrate an Important Role of PD-1 in Ischemia-Induced Skeletal Muscle Inflammation, Oxidative Stress, and Angiogenesis. Frontiers in Immunology, 2021, 12, 586429.	2.2	6
93	miR-1307 promotes hepatocarcinogenesis by CALR-OSTC-endoplasmic reticulum protein folding pathway. IScience, 2021, 24, 103271.	1.9	5
94	ET-A Receptor Activity Restrains Coronary Blood Flow in the Failing Heart. Journal of Cardiovascular Pharmacology, 2004, 43, 764-769.	0.8	4
95	Superoxide dismutase: Master and Commander?. European Respiratory Journal, 2010, 36, 234-236.	3.1	4
96	Profound Increase of Lung Airway Resistance in Heart Failure: a Potential Important Contributor for Dyspnea. Journal of Cardiovascular Translational Research, 2019, 12, 271-279.	1.1	3
97	Dissecting VEGF-induced acute versus chronic vascular hyperpermeability: Essential roles of dimethylarginine dimethylaminohydrolase-1. IScience, 2021, 24, 103189.	1.9	3
98	Inducible nitric oxide synthase inhibits oxygen consumption in collateral-dependent myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H356-H362.	1.5	2
99	GHS-R in brown fat potentiates differential thermogenic responses under metabolic and thermal stresses. PLoS ONE, 2021, 16, e0249420.	1.1	2
100	Regulation of Coronary Blood Flow During Exercise in Failing Heart. Medicine and Science in Sports and Exercise, 2016, 48, 1012.	0.2	2
101	Interlocking detachable coil embolization for giant tandem bronchial aneurysms. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	2
102	Sustained Elevated Circulating Activin A Impairs Global Longitudinal Strain in Pregnant Rats: A Potential Mechanism for Preeclampsia-Related Cardiac Dysfunction. Cells, 2022, 11, 742.	1.8	1
103	Overexpression of alanine-glyoxylate aminotransferase 2 protects from asymmetric dimethylarginine-induced endothelial dysfunction and aortic remodeling. Scientific Reports, 2022, 12, .	1.6	1
104	GW28-e1041 Lung inflammation and fibrosis contribute to chronic aortic stenosis-induced class-II pulmonary hypertension and heart failure progression. Journal of the American College of Cardiology, 2017, 70, C52-C53.	1.2	0
105	CD8 T cells exert a critical role in the transition from left heart failure to lung remodeling and right ventricular hypertrophy. FASEB Journal, 2019, 33, lb493.	0.2	0