Yingjie Chen

List of Publications by Citations

102 papers	3,965 citations	39 h-index	60 g-index
108 ext. papers	4,578 ext. citations	7.3 avg, IF	5.03 L-index

#	Paper	IF	Citations
102	PGC-1 alpha regulates expression of myocardial mitochondrial antioxidants and myocardial oxidative stress after chronic systolic overload. *Antioxidants and Redox Signaling*, **2010**, 13, 1011-22	8.4	162
101	AMP activated protein kinase-alpha2 deficiency exacerbates pressure-overload-induced left ventricular hypertrophy and dysfunction in mice. *Hypertension*, **2008**, 52, 918-24	8.5	150
100	Oxidative stress regulates left ventricular PDE5 expression in the failing heart. *Circulation*, **2010**, 121, 1474-83	16.7	127
99	Inducible nitric oxide synthase deficiency protects the heart from systolic overload-induced ventricular hypertrophy and congestive heart failure. *Circulation Research*, **2007**, 100, 1089-98	15.7	116
98	Cardiac troponin T alterations in myocardium and serum of rats after stressful, prolonged intense exercise. *Journal of Applied Physiology*, **2000**, 88, 1749-55	3.7	112
97	Alterations of gene expression in failing myocardium following left ventricular assist device support. *Physiological Genomics*, **2003**, 14, 251-60	3.6	111
96	Identification of a gene expression profile that differentiates between ischemic and nonischemic cardiomyopathy. *Circulation*, **2004**, 110, 3444-51	16.7	109
95	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, 283-91	3.6	104
94	Dimethylarginine dimethylaminohydrolase-1 is the critical enzyme for degrading the cardiovascular risk factor asymmetrical dimethylarginine. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 1540-6	9.4	99
93	Left ventricular failure produces profound lung remodeling and pulmonary hypertension in mice: heart failure causes severe lung disease. *Hypertension*, **2012**, 59, 1170-8	8.5	99
92	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, 3518-22	4.8	89
91	Does vitamin D deficiency increase the severity of COVID-19?. *Clinical Medicine*, **2020**, 20, e107-e108	1.9	86
90	Extracellular superoxide dismutase deficiency exacerbates pressure overload-induced left ventricular hypertrophy and dysfunction. *Hypertension*, **2008**, 51, 19-25	8.5	85
89	Genetic and Pharmacologic Inhibition of the Chemokine Receptor CXCR2 Prevents Experimental Hypertension and Vascular Dysfunction. *Circulation*, **2016**, 134, 1353-1368	16.7	80
88	Role of interferon regulatory factor 4 in the regulation of pathological cardiac hypertrophy. *Hypertension*, **2013**, 61, 1193-202	8.5	75
87	TRAF1 is a critical regulator of cerebral ischaemia-reperfusion injury and neuronal death. *Nature Communications*, **2013**, 4, 2852	17.4	73
86	Extracellular superoxide dismutase protects the heart against oxidative stress and hypertrophy after myocardial infarction. *Free Radical Biology and Medicine*, **2008**, 44, 1305-13	7.8	71

85	Vascular endothelial-specific dimethylarginine dimethylaminohydrolase-1-deficient mice reveal that vascular endothelium plays an important role in removing asymmetric dimethylarginine. *Circulation*, **2009**, 120, 2222-9	16.7	68
84	Cardiac-specific mindin overexpression attenuates cardiac hypertrophy via blocking AKT/GSK3β and TGF-β1-Smad signalling. *Cardiovascular Research*, **2011**, 92, 85-94	9.9	68
83	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	11.3	66
82	Nitric oxide modulates myocardial oxygen consumption in the failing heart. *Circulation*, **2002**, 106, 273-9	16.7	65
81	Interferon regulatory factor 9 protects against hepatic insulin resistance and steatosis in male mice. *Hepatology*, **2013**, 58, 603-16	11.2	63
80	Xanthine oxidase inhibition with febuxostat attenuates systolic overload-induced left ventricular hypertrophy and dysfunction in mice. *Journal of Cardiac Failure*, **2008**, 14, 746-53	3.3	63
79	Endoplasmic reticulum stress sensor protein kinase R-like endoplasmic reticulum kinase (PERK) protects against pressure overload-induced heart failure and lung remodeling. *Hypertension*, **2014**, 64, 738-44	8.5	62
78	AMP activated protein kinase-α regulates expression of estrogen-related receptor-α a metabolic transcription factor related to heart failure development. *Hypertension*, **2011**, 58, 696-703	8.5	61
77	Exacerbated pulmonary arterial hypertension and right ventricular hypertrophy in animals with loss of function of extracellular superoxide dismutase. *Hypertension*, **2011**, 58, 303-9	8.5	61
76	Interferon regulatory factor 1 is required for cardiac remodeling in response to pressure overload. *Hypertension*, **2014**, 64, 77-86	8.5	60
75	Interferon regulatory factor 3 is a negative regulator of pathological cardiac hypertrophy. *Basic Research in Cardiology*, **2013**, 108, 326	11.8	60
74	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	5	59
73	Interferon regulatory factor 7 functions as a novel negative regulator of pathological cardiac hypertrophy. *Hypertension*, **2014**, 63, 713-22	8.5	58
72	Loss of AMPK exacerbates experimental autoimmune encephalomyelitis disease severity. *Biochemical and Biophysical Research Communications*, **2009**, 386, 16-20	3.4	58
71	Metformin protects against systolic overload-induced heart failure independent of AMP-activated protein kinase α. *Hypertension*, **2014**, 63, 723-8	8.5	50
70	Dimethylarginine dimethylaminohydrolase and endothelial dysfunction in failing hearts. *American Journal of Physiology - Heart and Circulatory Physiology*, **2005**, 289, H2212-9	5.2	49
69	Cyclic nucleotide phosphodiesterase type 5 activity limits blood flow to hypoperfused myocardium during exercise. *Circulation*, **2000**, 102, 2997-3002	16.7	49
68	AMPKα deficiency exacerbates long-term PM exposure-induced lung injury and cardiac dysfunction. *Free Radical Biology and Medicine*, **2018**, 121, 202-214	7.8	47

67	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, F1636-44	4.3	44
66	Increasing Regulatory T Cells With Interleukin-2 and Interleukin-2 Antibody Complexes Attenuates Lung Inflammation and Heart Failure Progression. *Hypertension*, **2016**, 68, 114-22	8.5	42
65	Toll-interacting protein (Tollip) negatively regulates pressure overload-induced ventricular hypertrophy in mice. *Cardiovascular Research*, **2014**, 101, 87-96	9.9	41
64	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, H133-41	5.2	40
63	Adenosine A3 receptor deficiency exerts unanticipated protective effects on the pressure-overloaded left ventricle. *Circulation*, **2008**, 118, 1713-21	16.7	39
62	Disruption of sarcolemmal ATP-sensitive potassium channel activity impairs the cardiac response to systolic overload. *Circulation Research*, **2008**, 103, 1009-17	15.7	39
61	AMP-activated protein kinase protects against diet-induced insulin resistance and obesity. *Diabetes*, **2012**, 61, 3114-25	0.9	37
60	Microtubule Actin Cross-linking Factor 1 regulates cardiomyocyte microtubule distribution and adaptation to hemodynamic overload. *PLoS ONE*, **2013**, 8, e73887	3.7	36
59	Ecto-5nucleotidase deficiency exacerbates pressure-overload-induced left ventricular hypertrophy and dysfunction. *Hypertension*, **2008**, 51, 1557-64	8.5	36
58	Double-stranded RNA-dependent protein kinase deficiency protects the heart from systolic overload-induced congestive heart failure. *Circulation*, **2014**, 129, 1397-406	16.7	35
57	AMPK attenuates microtubule proliferation in cardiac hypertrophy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 304, H749-58	5.2	34
56	Dimethylarginine dimethylaminohydrolase 1 modulates endothelial cell growth through nitric oxide and Akt. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2011**, 31, 890-7	9.4	34
55	A comparative study of discriminating human heart failure etiology using gene expression profiles. *BMC Bioinformatics*, **2005**, 6, 205	3.6	34
54	Vinexin- protects against cardiac hypertrophy by blocking the Akt-dependent signalling pathway. *Basic Research in Cardiology*, **2013**, 108, 338	11.8	31
53	NADPH oxidase contributes to coronary endothelial dysfunction in the failing heart. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H840-6	5.2	31
52	Effect of asymmetric dimethylarginine (ADMA) on heart failure development. *Nitric Oxide - Biology and Chemistry*, **2016**, 54, 73-81	5	31
51	Loss of the eukaryotic initiation factor 2kinase general control nonderepressible 2 protects mice from pressure overload-induced congestive heart failure without affecting ventricular hypertrophy. *Hypertension*, **2014**, 63, 128-35	8.5	30
50	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, 688-96	8.5	28

49	Effect of PDE5 inhibition on coronary hemodynamics in pacing-induced heart failure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2003**, 284, H1513-20	5.2	28
48	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	11.8	23
47	Adenosine regulation of microtubule dynamics in cardiac hypertrophy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 297, H523-32	5.2	23
46	DDAH1 deficiency attenuates endothelial cell cycle progression and angiogenesis. *PLoS ONE*, **2013**, 8, e79444	3.7	22
45	BMSC Transplantation Aggravates Inflammation, Oxidative Stress, and Fibrosis and Impairs Skeletal Muscle Regeneration. *Frontiers in Physiology*, **2019**, 10, 87	4.6	21
44	Cardiomyocyte dimethylarginine dimethylaminohydrolase-1 (DDAH1) plays an important role in attenuating ventricular hypertrophy and dysfunction. *Basic Research in Cardiology*, **2017**, 112, 55	11.8	21
43	Disruption of mindin exacerbates cardiac hypertrophy and fibrosis. *Journal of Molecular Medicine*, **2012**, 90, 895-910	5.5	21
42	Effect of sildenafil on coronary active and reactive hyperemia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2000**, 279, H2319-25	5.2	21
41	Acute effects of febuxostat, a nonpurine selective inhibitor of xanthine oxidase, in pacing induced heart failure. *Journal of Cardiovascular Pharmacology*, **2006**, 48, 255-63	3.1	19
40	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, 90-6	5.8	18
39	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, H2278-83	5.2	18
38	Can intestinal microbiota and circulating microbial products contribute to pulmonary arterial hypertension?. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 317, H1093-H1101	5.2	17
37	Increased extravascular forces limit endothelium-dependent and -independent coronary vasodilation in congestive heart failure. *Cardiovascular Research*, **2001**, 52, 454-61	9.9	17
36	Adenosine kinase regulation of cardiomyocyte hypertrophy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H1722-32	5.2	16
35	S-nitrosylation of PDE5 increases its ubiquitin-proteasomal degradation. *Free Radical Biology and Medicine*, **2015**, 86, 343-51	7.8	14
34	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	7.8	13
33	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	5.8	12
32	Delayed treatment effects of xanthine oxidase inhibition on systolic overload-induced left ventricular hypertrophy and dysfunction. *Nucleosides, Nucleotides and Nucleic Acids*, **2010**, 29, 306-13	1.4	12

31	CircMEG3 inhibits telomerase activity by reducing Cbf5 in human liver cancer stem cells. *Molecular Therapy - Nucleic Acids*, **2021**, 23, 310-323	10.7	12
30	miR24-2 accelerates progression of liver cancer cells by activating Pim1 through tri-methylation of Histone H3 on the ninth lysine. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 2772-2790	5.6	11
29	Effect of K+ATP channel and adenosine receptor blockade during rest and exercise in congestive heart failure. *Circulation Research*, **2007**, 100, 1643-9	15.7	11
28	Borrowing information from relevant microarray studies for sample classification using weighted partial least squares. *Computational Biology and Chemistry*, **2005**, 29, 204-11	3.6	11
27	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, 114-9		11
26	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	3.2	10
25	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	7.8	9
24	Adenosine: a modulator of the cardiac response to stress. *Circulation Research*, **2003**, 93, 691-3	15.7	9
23	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, 561-5	3.6	9
22	miR-155 Accelerates the Growth of Human Liver Cancer Cells by Activating CDK2 via Targeting H3F3A. *Molecular Therapy - Oncolytics*, **2020**, 17, 471-483	6.4	8
21	Regulation of DDAH1 as a Potential Therapeutic Target for Treating Cardiovascular Diseases. *Evidence-based Complementary and Alternative Medicine*, **2013**, 2013, 619207	2.3	7
20	Long noncoding RNA MEG3 blocks telomerase activity in human liver cancer stem cells epigenetically. *Stem Cell Research and Therapy*, **2020**, 11, 518	8.3	7
19	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	5.4	7
18	Repetitive ischemia increases myocardial dimethylarginine dimethylaminohydrolase 1 expression. *Vascular Medicine*, **2017**, 22, 179-188	3.3	5
17	Single-cell Transcriptome Analysis Indicates New Potential Regulation Mechanism of ACE2 and NPs signaling among heart failure patients infected with SARS-CoV-2 **2020**,		5
16	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	11	4
15	Superoxide dismutase: master and commander?. *European Respiratory Journal*, **2010**, 36, 234-6	13.6	3
14	ET-A receptor activity restrains coronary blood flow in the failing heart. *Journal of Cardiovascular Pharmacology*, **2004**, 43, 764-9	3.1	3

13	Adipose-derived stem cells therapy effectively attenuates PM-induced lung injury. *Stem Cell Research and Therapy*, **2021**, 12, 355	8.3	3
12	Inducible nitric oxide synthase inhibits oxygen consumption in collateral-dependent myocardium. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H356-62	5.2	2
11	Regulation of Coronary Blood Flow During Exercise in Failing Heart. *Medicine and Science in Sports and Exercise*, **2016**, 48, 1012	1.2	2
10	Profound Increase of Lung Airway Resistance in Heart Failure: a Potential Important Contributor for Dyspnea. *Journal of Cardiovascular Translational Research*, **2019**, 12, 271-279	3.3	1
9	Linoleic acid-modified liposomes for the removal of protein-bound toxins: An in vitro study. *International Journal of Artificial Organs*, **2021**, 44, 393-403	1.9	1
8	Systolic overload-induced pulmonary inflammation, fibrosis, oxidative stress and heart failure progression through interleukin-1 *Journal of Molecular and Cellular Cardiology*, **2020**, 146, 84-94	5.8	1
7	Programmed death-1 promotes contused skeletal muscle regeneration by regulating Treg cells and macrophages. *Laboratory Investigation*, **2021**, 101, 719-732	5.9	1
6	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	8.4	1
5	Dissecting VEGF-induced acute versus chronic vascular hyperpermeability: Essential roles of dimethylarginine dimethylaminohydrolase-1. *IScience*, **2021**, 24, 103189	6.1	1
4	miR-1307 promotes hepatocarcinogenesis by CALR-OSTC-endoplasmic reticulum protein folding pathway. *IScience*, **2021**, 24, 103271	6.1	0
3	GHS-R in brown fat potentiates differential thermogenic responses under metabolic and thermal stresses. *PLoS ONE*, **2021**, 16, e0249420	3.7	0
2	Interlocking detachable coil embolization for giant tandem bronchial aneurysms: A case report.. *Medicine (United States)*, **2021**, 100, e28416	1.8	0
1	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	0.9	