

Lie Gao

List of Publications by Year in descending order

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59
papers

1,681
citations

331670

21
h-index

345221

36
g-index

59
all docs

59
docs citations

59
times ranked

1730
citing authors

#	ARTICLE	IF	CITATIONS
1	Superoxide Mediates Sympathoexcitation in Heart Failure. <i>Circulation Research</i> , 2004, 95, 937-944.	4.5	223
2	Sympathoexcitation by central ANG II: Roles for AT ₁ receptor upregulation and NAD(P)H oxidase in RVLM. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2271-H2279.	3.2	183
3	Exercise Training Normalizes Sympathetic Outflow by Central Antioxidant Mechanisms in Rabbits With Pacing-Induced Chronic Heart Failure. <i>Circulation</i> , 2007, 115, 3095-3102.	1.6	130
4	Simvastatin Therapy Normalizes Sympathetic Neural Control in Experimental Heart Failure. <i>Circulation</i> , 2005, 112, 1763-1770.	1.6	129
5	Myocardial infarction-induced microRNA-enriched exosomes contribute to cardiac Nrf2 dysregulation in chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H928-H939.	3.2	111
6	Imbalance of Angiotensin Type 1 Receptor and Angiotensin II Type 2 Receptor in the Rostral Ventrolateral Medulla. <i>Hypertension</i> , 2008, 52, 708-714.	2.7	106
7	Augmented Input From Cardiac Sympathetic Afferents Inhibits Baroreflex in Rats With Heart Failure. <i>Hypertension</i> , 2005, 45, 1173-1181.	2.7	77
8	Effects of Angiotensin Type 2 Receptor Overexpression in the Rostral Ventrolateral Medulla on Blood Pressure and Urine Excretion in Normal Rats. <i>Hypertension</i> , 2008, 51, 521-527.	2.7	67
9	AT2 receptor signaling and sympathetic regulation. <i>Current Opinion in Pharmacology</i> , 2011, 11, 124-130.	3.5	60
10	Simvastatin Inhibits Central Sympathetic Outflow in Heart Failure by a Nitric-Oxide Synthase Mechanism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008, 326, 278-285.	2.5	57
11	Selective <i>Nrf2</i> Gene Deletion in the Rostral Ventrolateral Medulla Evokes Hypertension and Sympathoexcitation in Mice. <i>Hypertension</i> , 2017, 69, 1198-1206.	2.7	52
12	Downregulated Kv4.3 expression in the RVLM as a potential mechanism for sympathoexcitation in rats with chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H945-H955.	3.2	48
13	Activation of Central Angiotensin Type 2 Receptors by Compound 21 Improves Arterial Baroreflex Sensitivity in Rats With Heart Failure. <i>American Journal of Hypertension</i> , 2014, 27, 1248-1256.	2.0	45
14	Extracellular vesicular MicroRNA-27a* contributes to cardiac hypertrophy in chronic heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 143, 120-131.	1.9	44
15	Therapeutic Effects of Nrf2 Activation by Bardoxolone Methyl in Chronic Heart Failure. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 642-651.	2.5	41
16	Cardiac sympathetic afferent stimulation augments the arterial chemoreceptor reflex in anesthetized rats. <i>Journal of Applied Physiology</i> , 2007, 102, 37-43.	2.5	36
17	Curcumin improves exercise performance of mice with coronary artery ligation-induced HFrEF: Nrf2 and antioxidant mechanisms in skeletal muscle. <i>Journal of Applied Physiology</i> , 2019, 126, 477-486.	2.5	35
18	Functional, proteomic and bioinformatic analyses of Nrf2 and Keap1 null skeletal muscle. <i>Journal of Physiology</i> , 2020, 598, 5427-5451.	2.9	34

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19	Cardiac sympathetic afferent stimulation impairs baroreflex control of renal sympathetic nerve activity in rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H1706-H1711.	3.2	30
20	Regulation of Nrf2 signaling pathway in heart failure: Role of extracellular vesicles and non-coding RNAs. <i>Free Radical Biology and Medicine</i> , 2021, 167, 218-231.	2.9	30
21	Upregulating Nrf2 in the RVLM ameliorates sympatho-excitation in mice with chronic heart failure. <i>Free Radical Biology and Medicine</i> , 2019, 141, 84-92.	2.9	29
22	Developmental expression patterns for angiotensin receptors in mouse skin and brain. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2014, 15, 139-149.	1.7	18
23	Exercise training upregulates Nrf2 protein in the rostral ventrolateral medulla of mice with heart failure. <i>Journal of Applied Physiology</i> , 2019, 127, 1349-1359.	2.5	17
24	Skeletal Muscle Nrf2 Contributes to Exercise-Evoked Systemic Antioxidant Defense Via Extracellular Vesicular Communication. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 213-222.	3.0	16
25	TRPV1 (Transient Receptor Potential Vanilloid 1) Cardiac Spinal Afferents Contribute to Hypertension in Spontaneous Hypertensive Rat. <i>Hypertension</i> , 2019, 74, 910-920.	2.7	13
26	Identification of Cardiac Expression Pattern of Transient Receptor Potential Vanilloid Type 1 (TRPV1) Receptor using a Transgenic Reporter Mouse Model. <i>Neuroscience Letters</i> , 2020, 737, 135320.	2.1	13
27	Overexpression of Central ACE2 (Angiotensin-Converting Enzyme 2) Attenuates the Pressor Response to Chronic Central Infusion of Ang II (Angiotensin II). <i>Hypertension</i> , 2020, 76, 1514-1525.	2.7	10
28	Macrophage activation in stellate ganglia contributes to lung injury-induced arrhythmogenesis in male rats. <i>Acta Physiologica</i> , 2021, 232, e13657.	3.8	7
29	Voltage-gated potassium channel dysfunction in dorsal root ganglia contributes to the exaggerated exercise pressor reflex in rats with chronic heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H461-H474.	3.2	5
30	A Quantitative Proteomics Approach to Gain Insight into NRF2-KEAP1 Skeletal Muscle System and Its Cysteine Redox Regulation. <i>Genes</i> , 2021, 12, 1655.	2.4	5
31	Sympathoexcitation in chronic heart failure: Ang II induced inhibition of voltage-gated K ⁺ channel, an in vivo and in vitro study. <i>FASEB Journal</i> , 2006, 20, .	0.5	2
32	Sympathomodulation in heart failure: A role for stellate ganglia Nrf2. <i>FASEB Journal</i> , 2019, 33, 564.5.	0.5	2
33	ACE2 gene combined with exercise training attenuates central AngII/AT1 axis function and oxidative stress in a prehypertensive rat model. <i>Journal of Applied Physiology</i> , 2022, 132, 1460-1467.	2.5	2
34	Angiotensin II induces upregulation of AT1 receptors via the sequential activation of transcription factors NFκB, Elk-1 and AP-1 in Cath.a cells. <i>FASEB Journal</i> , 2009, 23, 609.15.	0.5	1
35	Exercise training normalizes ACE and ACE2 in the brain of rabbits with pacing induced chronic heart failure. <i>FASEB Journal</i> , 2009, 23, 958.1.	0.5	1
36	Bardoxolone activates cardiac Nrf2, increases antioxidant expression and lowers arterial pressure in rats with heart failure. <i>FASEB Journal</i> , 2018, 32, 903.11.	0.5	1

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37	Proteomic and Functional Analyses of Keap1â€Nrf2 Pathway in Skeletal Muscle. FASEB Journal, 2019, 33, 868.30.	0.5	1
38	The Nasopharyngeal Reflex is Impaired with the Progression of Chronic Heart Failure in Conscious Rabbits. FASEB Journal, 2006, 20, A1203.	0.5	0
39	Central treatment of simvastatin normalizes sympathetic outflow in CHF rabbits by a nNOS mechanism. FASEB Journal, 2007, 21, A1267.	0.5	0
40	Angiotensin II induces AT1 receptor upregulation by oxidative stress and activation of AP1 and NFâ€B in two neuronal cell lines. FASEB Journal, 2007, 21, A889.	0.5	0
41	Exercise training normalizes ACE and ACE2 in the brain of rabbits with pacing induced chronic heart failure. FASEB Journal, 2008, 22, 952.7.	0.5	0
42	Increased neuronal discharge in the RVLM of rats with chronic heart failure is mediated by AT1R. FASEB Journal, 2008, 22, 1169.3.	0.5	0
43	Selective over expression of central ACE2 prevents baroreflex dysfunction in the chronic heart failure. FASEB Journal, 2009, 23, 610.2.	0.5	0
44	Skeletal Muscle Overexpression of SOD Normalizes the Exaggerated Exercise Pressor Reflex in Rats with Heart Failure. FASEB Journal, 2009, 23, 787.13.	0.5	0
45	Central angiotensin type 2 receptor stimulation reduces blood pressure and norepinephrine excretion in conscious normal rats. FASEB Journal, 2010, 24, 808.6.	0.5	0
46	p22phox inhibition in Skeletal Muscle Normalizes the Exaggerated Exercise Pressor Reflex in Chronic Heart Failure. FASEB Journal, 2010, 24, 619.1.	0.5	0
47	Central angiotensinâ€converting enzyme 2 overexpression decreases blood pressure and enhances baroreflex function in mice with chronic heart failure. FASEB Journal, 2010, 24, 809.20.	0.5	0
48	Alteration in Skeletal Muscle Afferents in Rats with Chronic Heart Failure. FASEB Journal, 2011, 25, 1054.10.	0.5	0
49	Blunted Arterial Baroreflex Sensitivity: A Contributor to Hypertension in Angiotensin Type 2 Receptor Knockout Mice. FASEB Journal, 2012, 26, 893.7.	0.5	0
50	Rho Kinase Inhibition Lowers Sympathetic Nerve Activity in Conscious Rabbits with Chronic Heart Failure. FASEB Journal, 2012, 26, 703.7.	0.5	0
51	Imbalance of Angiotensin Receptor Expression and Function in the Spinal Cord: Potential Mechanism of Sympathetic Overactivity in CHF Rats. FASEB Journal, 2012, 26, 893.10.	0.5	0
52	Central Angiotensin II â€induced hypertension downregulates AT2R and the mirâ€29 family in rats. FASEB Journal, 2013, 27, 697.25.	0.5	0
53	Beneficial effects of Compound 21 on islet mass and Î²â€cell functions in streptozotocinâ€induced diabetic rats. FASEB Journal, 2013, 27, 1b753.	0.5	0
54	Compound 21 ameliorates type 2 diabetes in Zucker diabetic fatty rats by islet preservation (1108.13). FASEB Journal, 2014, 28, 1108.13.	0.5	0

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55	Overexpression of Nrf2 Targeting Glutamatergic Neurons in the RVLM Ameliorates Sympathetic Regulation in Mice With Chronic Heart Failure. FASEB Journal, 2018, 32, 593.3.	0.5	0
56	Exosomal MicroRNA-27a Passenger Strand Was Upregulated in Chronic Heart Failure. FASEB Journal, 2018, 32, 903.7.	0.5	0
57	Early Exercise Training Postpones Hypertension Progression via Activation of Central ACE2-Ang(1-7)-Mas Axis in Prehypertensive Rats. FASEB Journal, 2018, 32, 714.1.	0.5	0
58	Neuronal Nitric Oxide Synthase Associated Protein: Nos1ap mediates Sympathoexcitation through Paraventricular Nucleus of the Hypothalamus. FASEB Journal, 2020, 34, 1-1.	0.5	0
59	Overexpression of Skeletal Muscle Nrf2 Protects Against Aging-Associated Dysfunction in Skeletal Muscle and Heart. FASEB Journal, 2022, 36, .	0.5	0