Wei Dong Gao

List of Publications by Year
in descending order

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29 papers	1,545 citations	516710 16 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	1797 citing authors

#	Article	IF	Citations
1	Role of Troponin I Proteolysis in the Pathogenesis of Stunned Myocardium. Circulation Research, 1997, 80, 393-399.	4.5	347
2	Selective Effects of Oxygen Free Radicals on Excitation-Contraction Coupling in Ventricular Muscle. Circulation, 1996, 94, 2597-2604.	1.6	125
3	Apelin increases contractility in failing cardiac muscle. European Journal of Pharmacology, 2006, 553, 222-228.	3.5	122
4	Chronic Treatment With Allopurinol Boosts Survival and Cardiac Contractility in Murine Postischemic Cardiomyopathy. Circulation Research, 2004, 95, 1005-1011.	4.5	114
5	Calcium cycling and contractile activation in intact mouse cardiac muscle. Journal of Physiology, 1998, 507, 175-184.	2.9	113
6	Nitroxyl-Mediated Disulfide Bond Formation Between Cardiac Myofilament Cysteines Enhances Contractile Function. Circulation Research, 2012, 111, 1002-1011.	4.5	105
7	Novel Myofilament Ca ²⁺ -Sensitizing Property of Xanthine Oxidase Inhibitors. Circulation Research, 1998, 83, 423-430.	4.5	99
8	Nitroxyl increases force development in rat cardiac muscle. Journal of Physiology, 2007, 580, 951-960.	2.9	89
9	Removal of Abnormal Myofilament O-GlcNAcylation Restores Ca2+ Sensitivity in Diabetic Cardiac Muscle. Diabetes, 2015, 64, 3573-3587.	0.6	82
10	Heart failure-associated alterations in troponin I phosphorylation impair ventricular relaxation-afterload and force-frequency responses and systolic function. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H318-H325.	3.2	53
11	Restoring redox balance enhances contractility in heart trabeculae from type 2 diabetic rats exposed to high glucose. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H291-H302.	3.2	42
12	Right heart in pulmonary hypertension: from adaptation to failure. Pulmonary Circulation, 2019, 9, 1-20.	1.7	36
13	Acetate, a Short-Chain Fatty Acid, Acutely Lowers Heart Rate and Cardiac Contractility Along with Blood Pressure. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 39-50.	2.5	32
14	Role for the Propofol Hydroxyl in Anesthetic Protein Target Molecular Recognition. ACS Chemical Neuroscience, 2015, 6, 927-935.	3.5	27
15	Reversal of Isoflurane-Induced Depression of Myocardial Contraction by Nitroxyl via Myofilament Sensitization to Ca²⁺. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 825-831.	2.5	21
16	Involvement of glycogen synthase kinase-3Î² in liver ischemic conditioning induced cardioprotection against myocardial ischemia and reperfusion injury in rats. Journal of Applied Physiology, 2017, 122, 1095-1105.	2.5	21
17	The Genetic and Molecular Bases for Hypertrophic Cardiomyopathy: The Role for Calcium Sensitization. Journal of Cardiothoracic and Vascular Anesthesia, 2018, 32, 478-487.	1.3	17
18	Molecular mechanism of anestheticâ€induced depression of myocardial contraction. FASEB Journal, 2016, 30, 2915-2925.	0.5	16

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19	Fropofol prevents disease progression in mice with hypertrophic cardiomyopathy. Cardiovascular Research, 2020, 116, 1175-1185.	3.8	14
20	Remote liver ischemic preconditioning attenuates myocardial ischemia/reperfusion injury in streptozotocin-induced diabetic rats. Scientific Reports, 2021, 11, 1903.	3.3	11
21	Preservation of cardiac contractility after long-term therapy with oxypurinol in post-ischemic heart failure in mice. European Journal of Pharmacology, 2009, 621, 71-77.	3.5	10
22	Cardiac troponin I Pro82Ser variant induces diastolic dysfunction, blunts Î²-adrenergic response, and impairs myofilament cooperativity. Journal of Applied Physiology, 2015, 118, 212-223.	2.5	10
23	Increased cross-bridge cycling rate in stunned myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H886-H893.	3.2	7
24	Force development and intracellular Ca2+ in intact cardiac muscles from gravin mutant mice. European Journal of Pharmacology, 2017, 807, 117-126.	3.5	7
25	Fropofol decreases force development in cardiac muscle. FASEB Journal, 2018, 32, 4203-4213.	0.5	7
26	Anesthetic Agents Isoflurane and Propofol Decrease Maximal Ca²⁺-Activated Force and Thus Contractility in the Failing Myocardium. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 615-623.	2.5	6
27	Right ventricular diastolic dysfunction and failure: a review. Heart Failure Reviews, 2022, 27, 1077-1090.	3.9	6
28	Nitroxyl, a New Generation of Positive Inotropic Agent for Heart Failure. Engineering, 2015, 1, 401-404.	6.7	3
29	Severe Patients With ARDS With COVID-19 Treated With Extracorporeal Membrane Oxygenation in China: A Retrospective Study. Frontiers in Medicine, 2021, 8, 699227.	2.6	3