Ji-Min Cao

List of Publications by Year
in descending order

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Version: 2024-02-01

61	2,973	236925	168389
papers	citations	25 h-index	53 g-index

66	66	66	3516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SARS-CoV-2: Structure, Biology, and Structure-Based Therapeutics Development. Frontiers in Cellular and Infection Microbiology, 2020, 10, 587269.	3.9	552
2	Relationship Between Regional Cardiac Hyperinnervation and Ventricular Arrhythmia. Circulation, 2000, 101, 1960-1969.	1.6	431
3	Nerve Sprouting and Sudden Cardiac Death. Circulation Research, 2000, 86, 816-821.	4.5	384
4	Spatiotemporal Heterogeneity in the Induction of Ventricular Fibrillation by Rapid Pacing. Circulation Research, 1999, 84, 1318-1331.	4.5	212
5	Diurnal oscillations of endogenous H2O2 sustained by p66Shc regulate circadian clocks. Nature Cell Biology, 2019, 21, 1553-1564.	10.3	79
6	G Protein-Coupled Receptors: Extranuclear Mediators for the Non-Genomic Actions of Steroids. International Journal of Molecular Sciences, 2014, 15, 15412-15425.	4.1	76
7	Modulation of QT Interval by Cardiac Sympathetic Nerve Sprouting and the Mechanisms of Ventricular Arrhythmia in a Canine Model of Sudden Cardiac Death. Journal of Cardiovascular Electrophysiology, 2001, 12, 1068-1073.	1.7	75
8	GH-releasing peptides improve cardiac dysfunction and cachexia and suppress stress-related hormones and cardiomyocyte apoptosis in rats with heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H1643-H1651.	3.2	66
9	Effects of ghrelin and synthetic GH secretagogues on the cardiovascular system. Trends in Endocrinology and Metabolism, 2006, 17, 13-18.	7.1	63
10	Hexarelin protects rat cardiomyocytes from angiotensin II-induced apoptosis in vitro. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1063-H1069.	3.2	60
11	Multi-walled carbon nanotubes suppress potassium channel activities in PC12 cells. Nanotechnology, 2009, 20, 285102.	2.6	60
12	Hexarelin suppresses high lipid diet and vitamin D3-induced atherosclerosis in the rat. Peptides, 2010, 31, 630-638.	2.4	51
13	MicroRNAs in Cardiac Autophagy: Small Molecules and Big Role. Cells, 2018, 7, 104.	4.1	48
14	Increased Wave Break During Ventricular Fibrillation in the Epicardial Border Zone of Hearts With Healed Myocardial Infarction. Circulation, 2001, 103, 1465-1472.	1.6	47
15	Silica nanomaterials induce organ injuries by Ca2+-ROS-initiated disruption of the endothelial barrier and triggering intravascular coagulation. Particle and Fibre Toxicology, 2020, 17, 12.	6.2	38
16	Gastric mucosal damage in water immersion stress: Mechanism and prevention with GHRP-6. World Journal of Gastroenterology, 2012, 18, 3145.	3.3	38
17	T Wave Alternans as a Predictor of Spontaneous Ventricular Tachycardia in a Canine Model of Sudden Cardiac Death. Journal of Cardiovascular Electrophysiology, 2002, 13, 51-55.	1.7	37
18	The acute toxic effects of silver nanoparticles on myocardial transmembrane potential, I_{Na} and I_{K1} channels and heart rhythm in mice. Nanotoxicology, 2017, 11, 1-11.	3.0	37

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19	Degeneration and energy shortage in the suprachiasmatic nucleus underlies the circadian rhythm disturbance in ApoEâ˜†/â˜† mice: implications for Alzheimerâ€™s disease. Scientific Reports, 2016, 6, 36335.	3.3	32
20	CLOCK/BMAL1 regulates human nocturnin transcription through binding to the E-box of nocturnin promoter. Molecular and Cellular Biochemistry, 2008, 317, 169-177.	3.1	31
21	A novel role of microRNA 17-5p in the modulation of circadian rhythm. Scientific Reports, 2016, 6, 30070.	3.3	31
22	Nerve sprouting suppresses myocardial Ito and IK1 channels and increases severity to ventricular fibrillation in rat. Autonomic Neuroscience: Basic and Clinical, 2008, 144, 22-29.	2.8	29
23	Chronic administration of hexarelin attenuates cardiac fibrosis in the spontaneously hypertensive rat. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 303, H703-H711.	3.2	29
24	Differential Î²-adrenoceptor expression induced by nerve growth factor infusion into the canine right and left stellate ganglia. Heart Rhythm, 2005, 2, 1347-1355.	0.7	28
25	The acute toxic effects of platinum nanoparticles on ion channels, transmembrane potentials of cardiomyocytes in vitro and heart rhythm in vivo in mice . International Journal of Nanomedicine, 2019, Volume 14, 5595-5609.	6.7	28
26	A novel crosstalk between BRCA1 and sirtuin 1 in ovarian cancer. Scientific Reports, 2015, 4, 6666.	3.3	24
27	Role of parasympathetic overactivity in water immersion stress-induced gastric mucosal lesion in rat. Journal of Applied Physiology, 2005, 99, 2416-2422.	2.5	23
28	Colocalization of Tenascin and Sympathetic Nerves in a Canine Model of Nerve Sprouting and Sudden Cardiac Death. Journal of Cardiovascular Electrophysiology, 2000, 11, 1345-1351.	1.7	21
29	The Positive Inotropic and Calcium-Mobilizing Effects of Growth Hormone-Releasing Peptides on Rat Heart. Endocrinology, 2003, 144, 5050-5057.	2.8	20
30	Upregulation of Î± enolase (ENO1) crotonylation in colorectal cancer and its promoting effect on cancer cell metastasis. Biochemical and Biophysical Research Communications, 2021, 578, 77-83.	2.1	20
31	Activation of AMPA receptor promotes TNF-Î± release via the ROS-cSrc-NFÎºB signaling cascade in RAW264.7 macrophages. Biochemical and Biophysical Research Communications, 2015, 461, 275-280.	2.1	19
32	Fe₂O₃ nanoparticles suppress Kv1.3 channels via affecting the redox activity of KvÎ²2 subunit in Jurkat T cells. Nanotechnology, 2015, 26, 505103.	2.6	19
33	Nerve Sprouting Contributes to Increased Severity of Ventricular Tachyarrhythmias by Upregulating iGluRs in Rats with Healed Myocardial Necrotic Injury. Journal of Molecular Neuroscience, 2012, 48, 448-455.	2.3	18
34	Tanshinone II-A sodium sulfonate (DS-201) enhances human BKCa channel activity by selectively targeting the pore-forming Î± subunit. Acta Pharmacologica Sinica, 2014, 35, 1351-1363.	6.1	16
35	Silica Nanoparticles Disturb Ion Channels and Transmembrane Potentials of Cardiomyocytes and Induce Lethal Arrhythmias in Mice . International Journal of Nanomedicine, 2020, Volume 15, 7397-7413.	6.7	16
36	Differential Internalization of Superparamagnetic Iron Oxide Nanoparticles in Different Types of Cells. Journal of Nanoscience and Nanotechnology, 2010, 10, 7406-7410.	0.9	15

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37	Multi-walled carbon nanotubes act as a chemokine and recruit macrophages by activating the PLC/IP3/CRAC channel signaling pathway. Scientific Reports, 2017, 7, 226.	3.3	14
38	The IK1/Kir2.1 channel agonist zacopride prevents and cures acute ischemic arrhythmias in the rat. PLoS ONE, 2017, 12, e0177600.	2.5	14
39	Contribution of DNA methylation in chronic stressâ€induced cardiac remodeling and arrhythmias in mice. FASEB Journal, 2019, 33, 12240-12252.	0.5	14
40	Discovering novel hub genes and pathways associated with the pathogenesis of psoriasis. Dermatologic Therapy, 2020, 33, e13993.	1.7	14
41	Altered circadian rhythm of cardiac Î²3-adrenoceptor activity following myocardial infarction in the rat. Basic Research in Cardiology, 2011, 106, 37-50.	5.9	13
42	IK1 Channel Agonist Zacopride Alleviates Cardiac Hypertrophy and Failure via Alterations in Calcium Dyshomeostasis and Electrical Remodeling in Rats. Frontiers in Pharmacology, 2019, 10, 929.	3.5	13
43	Emerging roles of non-histone protein crotonylation in biomedicine. Cell and Bioscience, 2021, 11, 101.	4.8	13
44	Chemical sympathetic denervation, suppression of myocardial transient outward potassium current, and ventricular fibrillation in the rat. Canadian Journal of Physiology and Pharmacology, 2008, 86, 700-709.	1.4	12
45	Low-Affinity Nerve Growth Factor Receptor p75NTR Immunoreactivity in the Myocardium with Sympathetic Hyperinnervation. Journal of Cardiovascular Electrophysiology, 2004, 15, 430-437.	1.7	11
46	Multi-Walled Carbon Nanotubes Impair Kv4.2/4.3 Channel Activities, Delay Membrane Repolarization and Induce Bradyarrhythmias in the Rat. PLoS ONE, 2014, 9, e101545.	2.5	11
47	Torsade de Pointes and Sudden Death Induced by Thiopental and Isoflurane Anesthesia in Dogs with Cardiac Electrical Remodeling. Journal of Cardiovascular Pharmacology and Therapeutics, 2002, 7, 39-43.	2.0	10
48	Sodium Tanshinone II-A Sulfonate (DS-201) Induces Vasorelaxation of Rat Mesenteric Arteries via Inhibition of L-Type Ca2+ Channel. Frontiers in Pharmacology, 2018, 9, 62.	3.5	8
49	Biological Characterization and Clinical Value of OAS Gene Family in Pancreatic Cancer. Frontiers in Oncology, 0, 12, .	2.8	8
50	Hyperpolarization-Activated Cyclic Nucleotide-Gated Ion (HCN) Channels Regulate PC12 Cell Differentiation Toward Sympathetic Neuron. Frontiers in Cellular Neuroscience, 2019, 13, 415.	3.7	7
51	Platinum nanoparticles promote breast cancer cell metastasis by disrupting endothelial barrier and inducing intravasation and extravasation. Nano Research, 2022, 15, 7366-7377.	10.4	7
52	Activation of growth hormone secretagogue receptor induces time-dependent clock phase delay in mice. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E515-E526.	3.5	6
53	Hexarelin attenuates atherosclerosis via inhibiting LOX-1-NF-Î¹B signaling pathway-mediated macrophage ox-LDL uptake in ApoE-/- mice. Peptides, 2019, 121, 170122.	2.4	6
54	Acute Clenbuterol Induces Hypotension, Atrioventricular Block and Cardiac Asystole in the Rabbit. Cardiovascular Toxicology, 2013, 13, 85-90.	2.7	5

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55	Specificity out of clutter: A hypothetical role of G proteinâ€coupled receptors in the nonâ€genomic effect of steroids. FEBS Letters, 2013, 587, 823-825.	2.8	4
56	Median nerve stimulation reduces ventricular arrhythmias induced by dorsomedial hypothalamic stimulation. Journal of Interventional Cardiac Electrophysiology, 2016, 47, 275-283.	1.3	3
57	Extraneuronal Monoamine Transporter Mediates the Permissive Action of Cortisol in the Guinea Pig Trachea: Possible Involvement of Tracheal Chondrocytes. PLoS ONE, 2013, 8, e76193.	2.5	2
58	High Expression of Interleukin-2 Receptor Subunit Gamma Reveals Poor Prognosis in Human Gastric Cancer. Journal of Oncology, 2021, 2021, 1-8.	1.3	2
59	Crystal structure of the Ilheus virus helicase: implications for enzyme function and drug design. Cell and Bioscience, 2022, 12, 44.	4.8	2
60	Crotonylation of PRKACA enhances PKA activity and promotes colorectal cancer development via the PKA-FAK-AKT pathway. Genes and Diseases, 2023, 10, 332-335.	3.4	1
61	Cardioprotection of an I channel agonist on L-thyroxine induced rat ventricular remodeling. American Journal of Translational Research (discontinued), 2021, 13, 8683-8696.	0.0	0