

Julie Yh Chan

List of Publications by Year in descending order

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33
papers

1,982
citations

279798

23
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

2212
citing authors

#	ARTICLE	IF	CITATIONS
1	NADPH Oxidase-Derived Superoxide Anion Mediates Angiotensin II-Induced Pressor Effect via Activation of p38 Mitogen-Activated Protein Kinase in the Rostral Ventrolateral Medulla. <i>Circulation Research</i> , 2005, 97, 772-780.	4.5	191
2	Neuroinflammation and oxidative stress in rostral ventrolateral medulla contribute to neurogenic hypertension induced by systemic inflammation. <i>Journal of Neuroinflammation</i> , 2012, 9, 212.	7.2	147
3	Reduction in molecular synthesis or enzyme activity of superoxide dismutases and catalase contributes to oxidative stress and neurogenic hypertension in spontaneously hypertensive rats. <i>Free Radical Biology and Medicine</i> , 2006, 40, 2028-2039.	2.9	138
4	Oxidative Impairment of Mitochondrial Electron Transport Chain Complexes in Rostral Ventrolateral Medulla Contributes to Neurogenic Hypertension. <i>Hypertension</i> , 2009, 53, 217-227.	2.7	120
5	Heat Shock Protein 70 Confers Cardiovascular Protection During Endotoxemia via Inhibition of Nuclear Factor- κ B Activation and Inducible Nitric Oxide Synthase Expression in the Rostral Ventrolateral Medulla. <i>Circulation</i> , 2004, 110, 3560-3566.	1.6	100
6	Redox signaling in pathophysiology of hypertension. <i>Journal of Biomedical Science</i> , 2013, 20, 69.	7.0	97
7	Transcriptional Upregulation of Mitochondrial Uncoupling Protein 2 Protects Against Oxidative Stress-Associated Neurogenic Hypertension. <i>Circulation Research</i> , 2009, 105, 886-896.	4.5	86
8	Transcriptional Upregulation of Brain-Derived Neurotrophic Factor in Rostral Ventrolateral Medulla by Angiotensin II. <i>Circulation Research</i> , 2010, 107, 1127-1139.	4.5	78
9	Increased superoxide anion in rostral ventrolateral medulla contributes to hypertension in spontaneously hypertensive rats via interactions with nitric oxide. <i>Free Radical Biology and Medicine</i> , 2005, 38, 450-462.	2.9	76
10	Brain Stem NOS and ROS in Neural Mechanisms of Hypertension. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 146-163.	5.4	76
11	Heat Shock Protein 60 or 70 Activates Nitric-oxide Synthase (NOS) I- and Inhibits NOS II-associated Signaling and Depresses the Mitochondrial Apoptotic Cascade during Brain Stem Death. <i>Journal of Biological Chemistry</i> , 2007, 282, 4585-4600.	3.4	67
12	Oral Intake of Rosiglitazone Promotes a Central Antihypertensive Effect Via Upregulation of Peroxisome Proliferator-Activated Receptor- γ 3 and Alleviation of Oxidative Stress in Rostral Ventrolateral Medulla of Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2010, 55, 1444-1453.	2.7	65
13	Activation of endogenous antioxidants as a common therapeutic strategy against cancer, neurodegeneration and cardiovascular diseases: A lesson learnt from DJ-1. , 2015, 156, 69-74.		63
14	Upregulation of AT1 receptor gene on activation of protein kinase C β /nicotinamide adenine dinucleotide diphosphate oxidase/ERK1/2/c-fos signaling cascade mediates long-term pressor effect of angiotensin II in rostral ventrolateral medulla. <i>Journal of Hypertension</i> , 2007, 25, 1845-1861.	0.5	61
15	Impaired Nrf2 regulation of mitochondrial biogenesis in rostral ventrolateral medulla on hypertension induced by systemic inflammation. <i>Free Radical Biology and Medicine</i> , 2016, 97, 58-74.	2.9	57
16	Nitric oxide- and superoxide-dependent mitochondrial signaling in endotoxin-induced apoptosis in the rostral ventrolateral medulla of rats. <i>Free Radical Biology and Medicine</i> , 2005, 39, 603-618.	2.9	56
17	Angiotensin-Generated Reactive Oxygen Species in Brain and Pathogenesis of Cardiovascular Diseases. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1074-1084.	5.4	55
18	Redox-Sensitive Endoplasmic Reticulum Stress and Autophagy at Rostral Ventrolateral Medulla Contribute to Hypertension in Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2013, 61, 1270-1280.	2.7	52

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19	Reduced Functional Expression and Molecular Synthesis of Inducible Nitric Oxide Synthase in Rostral Ventrolateral Medulla of Spontaneously Hypertensive Rats. <i>Circulation</i> , 2001, 104, 1676-1681.	1.6	49
20	Redox-Sensitive Oxidation and Phosphorylation of PTEN Contribute to Enhanced Activation of PI3K/Akt Signaling in Rostral Ventrolateral Medulla and Neurogenic Hypertension in Spontaneously Hypertensive Rats. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 36-50.	5.4	46
21	New insights on brain stem death: From bedside to bench. <i>Progress in Neurobiology</i> , 2005, 77, 396-425.	5.7	45
22	Role of Nitric Oxide Synthase Uncoupling at Rostral Ventrolateral Medulla in Redox-Sensitive Hypertension Associated With Metabolic Syndrome. <i>Hypertension</i> , 2014, 64, 815-824.	2.7	41
23	Participation of Fos protein at the nucleus tractus solitarius in inhibitory modulation of baroreceptor reflex response in the rat. <i>Brain Research</i> , 1996, 738, 39-47.	2.2	38
24	Visualizing oxidative stress-induced depression of cardiac vagal baroreflex by MRI/DTI in a mouse neurogenic hypertension model. <i>NeuroImage</i> , 2013, 82, 190-199.	4.2	28
25	Augmented Upregulation by c- fos of Angiotensin Subtype 1 Receptor in Nucleus Tractus Solitarii of Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2002, 40, 335-341.	2.7	24
26	Downregulation of Basal iNOS at the Rostral Ventrolateral Medulla Is Innate in SHR. <i>Hypertension</i> , 2003, 41, 563-570.	2.7	21
27	An increase in adenosine-5â€™-triphosphate (ATP) content in rostral ventrolateral medulla is engaged in the high fructose diet-induced hypertension. <i>Journal of Biomedical Science</i> , 2014, 21, 8.	7.0	21
28	NADPH oxidase- and mitochondrion-derived superoxide at rostral ventrolateral medulla in endotoxin-induced cardiovascular depression. <i>Free Radical Biology and Medicine</i> , 2007, 42, 1610-1623.	2.9	20
29	Differential impacts of brain stem oxidative stress and nitrosative stress on sympathetic vasomotor tone. , 2019, 201, 120-136.		17
30	Mitochondria and Reactive Oxygen Species Contribute to Neurogenic Hypertension. <i>Physiology</i> , 2017, 32, 308-321.	3.1	15
31	MRI/DTI of the Brain Stem Reveals Reversible and Irreversible Disruption of the Baroreflex Neural Circuits: Clinical Implications. <i>Theranostics</i> , 2016, 6, 837-848.	10.0	13
32	Upregulation of FLJ10540, a PI3K-association protein, in rostral ventrolateral medulla impairs brain stem cardiovascular regulation during mevinphos intoxication. <i>Biochemical Pharmacology</i> , 2015, 93, 34-41.	4.4	12
33	Engagement of ubiquitination and de-ubiquitination at rostral ventrolateral medulla in experimental brain death. <i>Journal of Biomedical Science</i> , 2012, 19, 48.	7.0	7