

Rohit Ramchandra

List of Publications by Year in descending order

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61
papers

1,652
citations

331670

21
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302126

39
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62
all docs

62
docs citations

62
times ranked

1725
citing authors

#	ARTICLE	IF	CITATIONS
1	What Sets the Long-Term Level of Renal Sympathetic Nerve Activity. <i>Circulation Research</i> , 2003, 92, 1330-1336.	4.5	156
2	Reinnervation of Renal Afferent and Efferent Nerves at 5.5 and 11 Months After Catheter-Based Radiofrequency Renal Denervation In Sheep. <i>Hypertension</i> , 2015, 65, 393-400.	2.7	140
3	Cardiorespiratory interactions in humans and animals: rhythms for life. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H6-H17.	3.2	91
4	Basis for the preferential activation of cardiac sympathetic nerve activity in heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 924-928.	7.1	84
5	The low frequency power of heart rate variability is neither a measure of cardiac sympathetic tone nor of baroreflex sensitivity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1005-H1012.	3.2	78
6	Baroreceptor Denervation Prevents Sympathoinhibition During Angiotensin II-Induced Hypertension. <i>Hypertension</i> , 2005, 46, 168-172.	2.7	67
7	Increased cardiac sympathetic nerve activity in heart failure is not due to desensitization of the arterial baroreflex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H798-H804.	3.2	64
8	Septic shock induces distinct changes in sympathetic nerve activity to the heart and kidney in conscious sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R1247-R1253.	1.8	61
9	The role of the paraventricular nucleus of the hypothalamus in the regulation of cardiac and renal sympathetic nerve activity in conscious normal and heart failure sheep. <i>Journal of Physiology</i> , 2013, 591, 93-107.	2.9	50
10	Increased cardiac sympathetic nerve activity in ovine heart failure is reduced by lesion of the area postrema, but not lamina terminalis. <i>Basic Research in Cardiology</i> , 2018, 113, 35.	5.9	50
11	Evidence of differential control of renal and lumbar sympathetic nerve activity in conscious rabbits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 290, R701-R708.	1.8	49
12	Specific control of sympathetic nerve activity to the mammalian heart and kidney. <i>Experimental Physiology</i> , 2010, 95, 34-40.	2.0	48
13	NITRIC OXIDE and SYMPATHETIC NERVE ACTIVITY IN THE CONTROL OF BLOOD PRESSURE. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005, 32, 440-446.	1.9	42
14	Discharge properties of cardiac and renal sympathetic nerves and their impaired responses to changes in blood volume in heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R665-R674.	1.8	42
15	Intracranial pressure influences the level of sympathetic tone. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1049-R1053.	1.8	39
16	Central Angiotensin Type 1 Receptor Blockade Decreases Cardiac But Not Renal Sympathetic Nerve Activity in Heart Failure. <i>Hypertension</i> , 2012, 59, 634-641.	2.7	38
17	Reinnervation following catheter-based radiofrequency renal denervation. <i>Experimental Physiology</i> , 2015, 100, 485-490.	2.0	32
18	Responses of cardiac sympathetic nerve activity to changes in circulating volume differ in normal and heart failure sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R719-R726.	1.8	27

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19	Hypertonic sodium resuscitation after hemorrhage improves hemodynamic function by stimulating cardiac, but not renal, sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H685-H692.	3.2	26
20	Novel targets for sepsis-induced kidney injury: the glomerular arterioles and the sympathetic nervous system. <i>Experimental Physiology</i> , 2012, 97, 1168-1177.	2.0	24
21	Intracarotid hypertonic sodium chloride differentially modulates sympathetic nerve activity to the heart and kidney. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R567-R575.	1.8	23
22	Reverse re-modelling chronic heart failure by reinstating heart rate variability. <i>Basic Research in Cardiology</i> , 2022, 117, 4.	5.9	23
23	Effects of Renal Denervation on Regional Hemodynamics and Kidney Function in Experimental Hyperdynamic Sepsis. <i>Critical Care Medicine</i> , 2014, 42, e401-e409.	0.9	21
24	Cardiac sympathoexcitation in heart failure. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 175, 76-84.	2.8	20
25	Short-term effects of catheter-based renal denervation on cardiac sympathetic drive and cardiac baroreflex function in heart failure. <i>International Journal of Cardiology</i> , 2015, 190, 220-226.	1.7	20
26	Tonic arterial chemoreceptor activity contributes to cardiac sympathetic activation in mild ovine heart failure. <i>Experimental Physiology</i> , 2014, 99, 1031-1041.	2.0	19
27	Baroreflex mechanisms regulating mean level of SNA differ from those regulating the timing and entrainment of the sympathetic discharges in rabbits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R400-R409.	1.8	18
28	Hypothalamic paraventricular nucleus mediates sodium-induced changes in cardiovascular and renal function in conscious sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 297, R185-R193.	1.8	18
29	Evaluating the carotid bodies and renal nerves as therapeutic targets for hypertension. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 204, 126-130.	2.8	18
30	Role of Angiotensin II in the Neural Control of Renal Function. <i>Hypertension</i> , 2003, 41, 583-591.	2.7	17
31	Role of endothelin-1 in mediating changes in cardiac sympathetic nerve activity in heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R94-R99.	1.8	17
32	Renal sympathetic nerve activity in the development of hypertension. <i>Current Hypertension Reports</i> , 2006, 8, 242-248.	3.5	16
33	Direct Recording of Cardiac and Renal Sympathetic Nerve Activity Shows Differential Control in Renovascular Hypertension. <i>Hypertension</i> , 2018, 71, 1108-1116.	2.7	16
34	Is the chronically denervated kidney supersensitive to catecholamines?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R603-R610.	1.8	15
35	Chronic Blockade of Nitric Oxide Does Not Produce Hypertension in Baroreceptor Denervated Rabbits. <i>Hypertension</i> , 2003, 42, 974-977.	2.7	15
36	Central exogenous nitric oxide decreases cardiac sympathetic drive and improves baroreflex control of heart rate in ovine heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R271-R280.	1.8	15

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37	Regulation of the renal sympathetic nerves in heart failure. <i>Frontiers in Physiology</i> , 2015, 6, 238.	2.8	15
38	Mechanisms underlying the increased cardiac norepinephrine spillover in heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H340-H347.	3.2	15
39	Angiotensin II and the Cardiac Parasympathetic Nervous System in Hypertension. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12305.	4.1	15
40	Neurohumoral interactions contributing to renal vasoconstriction and decreased renal blood flow in heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R386-R396.	1.8	14
41	Role of renal sympathetic nerve activity in hypertension induced by chronic nitric oxide inhibition. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R1479-R1485.	1.8	12
42	Response of cardiac sympathetic nerve activity to intravenous irbesartan in heart failure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1056-R1060.	1.8	10
43	Neural control of the renal vasculature in angiotensin II-induced hypertension. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002, 29, 867-872.	1.9	9
44	Activation of the carotid body increases directly recorded cardiac sympathetic nerve activity and coronary blood flow in conscious sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R203-R212.	1.8	9
45	Organ Selective Regulation of Sympathetic Outflow by the Brain Angiotensin System. <i>Current Hypertension Reports</i> , 2013, 15, 401-408.	3.5	8
46	Role of prostaglandins in determining the increased cardiac sympathetic nerve activity in ovine sepsis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R75-R81.	1.8	8
47	Role of the Carotid Body in an Ovine Model of Renovascular Hypertension. <i>Hypertension</i> , 2020, 76, 1451-1460.	2.7	7
48	A counterreview of "An investigation of the false discovery rate and the misinterpretation of p-values" by Colquhoun (2014). <i>Royal Society Open Science</i> , 2015, 2, 150217.	2.4	5
49	Intrathecal Administration of Losartan Reduces Directly Recorded Cardiac Sympathetic Nerve Activity in Ovine Heart Failure. <i>Hypertension</i> , 2019, 74, 896-902.	2.7	4
50	Regulation of Coronary Blood Flow by the Carotid Body Chemoreceptors in Ovine Heart Failure. <i>Frontiers in Physiology</i> , 2021, 12, 681135.	2.8	4
51	Early and Sustained Systemic and Renal Hemodynamic Effects of Intravenous Radiocontrast. <i>Blood Purification</i> , 2010, 29, 339-346.	1.8	3
52	Impaired Baroreflex Function in an Ovine Model of Chronic Heart Failure Induced by Multiple Coronary Microembolizations. <i>Frontiers in Physiology</i> , 2019, 10, 1420.	2.8	3
53	Aortic Body Chemoreceptors Regulate Coronary Blood Flow in Conscious Control and Hypertensive Sheep. <i>Hypertension</i> , 2022, 79, 1275-1285.	2.7	3
54	Mathematical modelling of atrial and ventricular pressure-volume dynamics and their change with heart rate. <i>Mathematical Biosciences</i> , 2022, 344, 108766.	1.9	2

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55	Role of the angiotensin type 1 receptor in modulating the carotid chemoreflex in an ovine model of renovascular hypertension. <i>Journal of Hypertension</i> , 2022, 40, 1421-1430.	0.5	2
56	Cardiovascular effects of Î²-blockade in a sheep model of severe sepsis. <i>Critical Care</i> , 2011, 15, .	5.8	1
57	Reply to "Letter to the editor: Does low-frequency power of heart rate variability correlate with cardiac sympathetic tone in normal sheep?" <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H148-H149.	3.2	1
58	Intracranial baroreflex is attenuated in an ovine model of renovascular hypertension. <i>Scientific Reports</i> , 2021, 11, 5816.	3.3	1
59	Formal Modeling and Verification of Rate Adaptive Pacemakers for Heart Failure. , 2020, , .		1
60	Changes in Directly Recorded Sympathetic Nerve Activity and Noradrenaline Spillover to the Heart and Kidney during Heart Failure. <i>FASEB Journal</i> , 2015, 29, 652.1.	0.5	0
61	Lesion of the Area Postrema Reduces Cardiac Sympathoexcitation and Improves Cardiac Function in Heart Failure. <i>FASEB Journal</i> , 2015, 29, 652.23.	0.5	0