Jayasri Nanduri

List of Publications by Year in Descending Order

66 papers	2,428 citations	26 h-index	49 g-index
68 ext. papers	2,751 ext. citations	4.2 avg, IF	4.88 L-index

#	Paper	IF	Citations
66	Role of olfactory receptor78 in carotid body-dependent sympathetic activation and hypertension in murine models of chronic intermittent hypoxia. *Journal of Neurophysiology*, **2021**, 125, 2054-2067	3.2	4
65	Gaseous transmitter regulation of hypoxia-evoked catecholamine secretion from murine adrenal chromaffin cells. *Journal of Neurophysiology*, **2021**, 125, 1533-1542	3.2	3
64	Histone Deacetylase 5 Is an Early Epigenetic Regulator of Intermittent Hypoxia Induced Sympathetic Nerve Activation and Blood Pressure. *Frontiers in Physiology*, **2021**, 12, 688322	4.6	1
63	Intermittent Hypoxia-Induced Activation of Endothelial Cells Is Mediated Sympathetic Activation-Dependent Catecholamine Release. *Frontiers in Physiology*, **2021**, 12, 701995	4.6	0
62	Lysine demethylase KDM6B regulates HIF-1□mediated systemic and cellular responses to intermittent hypoxia. *Physiological Genomics*, **2021**, 53, 385-394	3.6	3
61	Olfactory receptor 78 participates in carotid body response to a wide range of low O levels but not severe hypoxia. *Journal of Neurophysiology*, **2020**, 123, 1886-1895	3.2	14
60	Hypoxia-inducible factors and obstructive sleep apnea. *Journal of Clinical Investigation*, **2020**, 130, 5042-5051	13.3	33
59	Hypoxia-inducible factor-1 mediates pancreatic □-cell dysfunction by intermittent hypoxia. *American Journal of Physiology - Cell Physiology*, **2020**, 319, C922-C932	5.4	7
58	Long-term facilitation of catecholamine secretion from adrenal chromaffin cells of neonatal rats by chronic intermittent hypoxia. *Journal of Neurophysiology*, **2019**, 122, 1874-1883	3.2	2
57	Neural Activation of Molecular Circuitry in Intermittent Hypoxia. *Current Opinion in Physiology*, **2019**, 7, 9-14	2.6	5
56	Hypoxia induced hERG trafficking defect linked to cell cycle arrest in SH-SY5Y cells. *PLoS ONE*, **2019**, 14, e0215905	3.7	3
55	Impaired Acute Hypoxic Sensing in Olfactory Receptor 78 Knockout Mice. *FASEB Journal*, **2019**, 33, lb575	0.9	
54	Persistent HIF-1 Activation by Long-Term Intermittent Hypoxia. *FASEB Journal*, **2019**, 33, 551.16	0.9	
53	H2S Contributes to Carotid Body Response to Hypoxia but Not Anoxia. *FASEB Journal*, **2019**, 33, 551.14	0.9	
52	Phrenic Nerve and Carotid Body Responses to Hypoxia and CO2 in Naked Mole Rats. *FASEB Journal*, **2019**, 33, lb576	0.9	
51	H2S synthesis inhibitor prevents hypoxia-evoked periodic breathing in spontaneous hypertensive rats. *FASEB Journal*, **2019**, 33, lb577	0.9	
50	H2S synthesis inhibitor prevents hypoxia-evoked periodic breathing in spontaneous hypertensive rats. *FASEB Journal*, **2019**, 33, 551.17	0.9	

49	Activation of Lysine Demethylases (KDM4) by Intermittent Hypoxia. *FASEB Journal*, **2019**, 33, 551.15	0.9	
48	Reactive oxygen radicals and gaseous transmitters in carotid body activation by intermittent hypoxia. *Cell and Tissue Research*, **2018**, 372, 427-431	4.2	20
47	Immunohistochemistry of the Carotid Body. *Methods in Molecular Biology*, **2018**, 1742, 155-166	1.4	1
46	DNA methylation in the central and efferent limbs of the chemoreflex requires carotid body neural activity. *Journal of Physiology*, **2018**, 596, 3087-3100	3.9	10
45	Recent advances in understanding the physiology of hypoxic sensing by the carotid body. *F1000Research*, **2018**, 7,	3.6	15
44	Therapeutic Targeting of the Carotid Body for Treating Sleep Apnea in a Pre-clinical Mouse Model. *Advances in Experimental Medicine and Biology*, **2018**, 1071, 109-114	3.6	7
43	Complementary roles of gasotransmitters CO and H2S in sleep apnea. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1413-1418	11.5	45
42	Epigenetic regulation of redox state mediates persistent cardiorespiratory abnormalities after long-term intermittent hypoxia. *Journal of Physiology*, **2017**, 595, 63-77	3.9	41
41	Epigenetic changes by DNA methylation in chronic and intermittent hypoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 313, L1096-L1100	5.8	37
40	H2S production by reactive oxygen species in the carotid body triggers hypertension in a rodent model of sleep apnea. *Science Signaling*, **2016**, 9, ra80	8.8	26
39	CaV3.2 T-type Ca2+ channels mediate the augmented calcium influx in carotid body glomus cells by chronic intermittent hypoxia. *Journal of Neurophysiology*, **2016**, 115, 345-54	3.2	8
38	CaV3.2 T-type Ca2+ channels in H2S-mediated hypoxic response of the carotid body. *American Journal of Physiology - Cell Physiology*, **2015**, 308, C146-54	5.4	16
37	Hypoxia-inducible factors and hypertension: lessons from sleep apnea syndrome. *Journal of Molecular Medicine*, **2015**, 93, 473-80	5.5	29
36	Protein kinase G-regulated production of H2S governs oxygen sensing. *Science Signaling*, **2015**, 8, ra37	8.8	78
35	Peripheral chemoreception and arterial pressure responses to intermittent hypoxia. *Comprehensive Physiology*, **2015**, 5, 561-77	7.7	61
34	Neuromolecular mechanisms mediating the effects of chronic intermittent hypoxia on adrenal medulla. *Respiratory Physiology and Neurobiology*, **2015**, 209, 115-9	2.8	8
33	HIF-1α activation by intermittent hypoxia requires NADPH oxidase stimulation by xanthine oxidase. *PLoS ONE*, **2015**, 10, e0119762	3.7	56
32	Epigenetic Regulation of Carotid Body Oxygen Sensing: Clinical Implications. *Advances in Experimental Medicine and Biology*, **2015**, 860, 1-8	3.6	11

31	Protein Kinase G Regulated H2S Governs Oxygen Sensing by the Carotid Body. *FASEB Journal*, **2015**, 29, 682.2	0.9	
30	Carotid body response to intermittent hypoxia requires Cav 3.2 T-type Ca2+ channels. *FASEB Journal*, **2015**, 29, 681.2	0.9	
29	Regulation of Insulin Metabolism by Intermittent Hypoxia. Molecular Mechanisms. *FASEB Journal*, **2015**, 29, 682.5	0.9	
28	Non-transcriptional Role of HIF-2 In Hypoxia-Evoked hERG K+ Channel Trafficking. *FASEB Journal*, **2015**, 29, 681.1	0.9	
27	Cav 3.2 T-type Ca2+ Channels in H2S-Mediated Hypoxic Response of the Carotid Body. *FASEB Journal*, **2015**, 29, 859.10	0.9	
26	Inherent variations in CO-H2S-mediated carotid body O2 sensing mediate hypertension and pulmonary edema. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 1174-9	11.5	59
25	Regulation of hypoxia-inducible factor- isoforms and redox state by carotid body neural activity in rats. *Journal of Physiology*, **2014**, 592, 3841-58	3.9	66
24	TET1-mediated hydroxymethylation facilitates hypoxic gene induction in neuroblastoma. *Cell Reports*, **2014**, 7, 1343-1352	10.6	115
23	Developmental programming of O(2) sensing by neonatal intermittent hypoxia via epigenetic mechanisms. *Respiratory Physiology and Neurobiology*, **2013**, 185, 105-9	2.8	14
22	Impairment of pancreatic -cell function by chronic intermittent hypoxia. *Experimental Physiology*, **2013**, 98, 1376-85	2.4	63
21	Xanthine oxidase mediates hypoxia-inducible factor-2 degradation by intermittent hypoxia. *PLoS ONE*, **2013**, 8, e75838	3.7	49
20	Intermittent Hypoxia-induced hERG degradation involves ROS Activated Calpains. *FASEB Journal*, **2013**, 27, 938.3	0.9	
19	Endogenous H2S is required for hypoxic sensing by carotid body glomus cells. *American Journal of Physiology - Cell Physiology*, **2012**, 303, C916-23	5.4	57
18	Epigenetic regulation of hypoxic sensing disrupts cardiorespiratory homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 2515-20	11.5	105
17	Endothelin-1 mediates attenuated carotid baroreceptor activity by intermittent hypoxia. *Journal of Applied Physiology*, **2012**, 112, 187-96	3.7	34
16	Intermittent Hypoxia Elicits a Rapid Up-Regulation of Cav3.2 T-type Ca2+ Channels Mediated by Reactive Oxygen Species. *FASEB Journal*, **2012**, 26, 898.8	0.9	
15	Hydrogen sulfide mediates catecholamine secretion elicited by hypoxia in the carotid body. *FASEB Journal*, **2012**, 26, 897.8	0.9	
14	Hypoxia-inducible factor 1 mediates increased expression of NADPH oxidase-2 in response to intermittent hypoxia. *Journal of Cellular Physiology*, **2011**, 226, 2925-33	7	148

13	NADPH oxidase 2 mediates intermittent hypoxia-induced mitochondrial complex I inhibition: relevance to blood pressure changes in rats. *Antioxidants and Redox Signaling*, **2011**, 14, 533-42	8.4	70
12	NADPH oxidase-dependent regulation of T-type Ca2+ channels and ryanodine receptors mediate the augmented exocytosis of catecholamines from intermittent hypoxia-treated neonatal rat chromaffin cells. *Journal of Neuroscience*, **2010**, 30, 10763-72	6.6	61
11	H2S mediates O2 sensing in the carotid body. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 10719-24	11.5	304
10	Intermittent hypoxia augments acute hypoxic sensing via HIF-mediated ROS. *Respiratory Physiology and Neurobiology*, **2010**, 174, 230-4	2.8	45
9	Intermittent hypoxia degrades HIF-2alpha via calpains resulting in oxidative stress: implications for recurrent apnea-induced morbidities. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 1199-204	11.5	128
8	Hypoxia inhibits maturation and trafficking of hERG K(+) channel protein: Role of Hsp90 and ROS. *Biochemical and Biophysical Research Communications*, **2009**, 388, 212-6	3.4	15
7	Transcriptional responses to intermittent hypoxia. *Respiratory Physiology and Neurobiology*, **2008**, 164, 277-81	2.8	94
6	Mitochondrial reactive oxygen species mediate hypoxic down-regulation of hERG channel protein. *Biochemical and Biophysical Research Communications*, **2008**, 373, 309-14	3.4	14
5	Induction of HIF-1alpha expression by intermittent hypoxia: involvement of NADPH oxidase, Ca2+ signaling, prolyl hydroxylases, and mTOR. *Journal of Cellular Physiology*, **2008**, 217, 674-85	7	233
4	Mechanisms of Mitochondrial Complex 1 Inhibition by Intermittent Hypoxia. *FASEB Journal*, **2008**, 22, 960.6	0.9	
3	Mitochondrial ROS is involved in downregulation of hERG by hypoxia. *FASEB Journal*, **2008**, 22, 960.5	0.9	
2	Cellular mechanisms associated with intermittent hypoxia. *Essays in Biochemistry*, **2007**, 43, 91-104	7.6	31
1	Ca2+/calmodulin kinase-dependent activation of hypoxia inducible factor 1 transcriptional activity in cells subjected to intermittent hypoxia. *Journal of Biological Chemistry*, **2005**, 280, 4321-8	5.4	179