

Nanduri R Prabhakar

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177
papers

9,309
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197
ext. papers

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ext. citations

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avg, IF

6.55
L-index

#	Paper	IF	Citations
177	Adaptive and maladaptive cardiorespiratory responses to continuous and intermittent hypoxia mediated by hypoxia-inducible factors 1 and 2. <i>Physiological Reviews</i> , 2012 , 92, 967-1003	47.9	391
176	Induction of sensory long-term facilitation in the carotid body by intermittent hypoxia: implications for recurrent apneas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10073-8	11.5	359
175	Peripheral chemoreceptors: function and plasticity of the carotid body. <i>Comprehensive Physiology</i> , 2012 , 2, 141-219	7.7	331
174	H2S mediates O2 sensing in the carotid body. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10719-24	11.5	304
173	Oxygen sensing by the carotid body chemoreceptors. <i>Journal of Applied Physiology</i> , 2000 , 88, 2287-95	3.7	280
172	Heterozygous HIF-1alpha deficiency impairs carotid body-mediated systemic responses and reactive oxygen species generation in mice exposed to intermittent hypoxia. <i>Journal of Physiology</i> , 2006 , 577, 705-16	3.9	277
171	Induction of HIF-1alpha expression by intermittent hypoxia: involvement of NADPH oxidase, Ca2+ signaling, prolyl hydroxylases, and mTOR. <i>Journal of Cellular Physiology</i> , 2008 , 217, 674-85	7	233
170	Defective carotid body function and impaired ventilatory responses to chronic hypoxia in mice partially deficient for hypoxia-inducible factor 1 alpha. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 821-6	11.5	225
169	Oxygen sensing during intermittent hypoxia: cellular and molecular mechanisms. <i>Journal of Applied Physiology</i> , 2001 , 90, 1986-94	3.7	212
168	Effect of two paradigms of chronic intermittent hypoxia on carotid body sensory activity. <i>Journal of Applied Physiology</i> , 2004 , 96, 1236-42; discussion 1196	3.7	190
167	Ca2+/calmodulin kinase-dependent activation of hypoxia inducible factor 1 transcriptional activity in cells subjected to intermittent hypoxia. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4321-8	5.4	179
166	Hypoxia-inducible factor 1 mediates increased expression of NADPH oxidase-2 in response to intermittent hypoxia. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2925-33	7	148
165	Nitric oxide in the sensory function of the carotid body. <i>Brain Research</i> , 1993 , 625, 16-22	3.7	144
164	Chronic intermittent hypoxia induces hypoxia-evoked catecholamine efflux in adult rat adrenal medulla via oxidative stress. <i>Journal of Physiology</i> , 2006 , 575, 229-39	3.9	138
163	Reactive oxygen species in the plasticity of respiratory behavior elicited by chronic intermittent hypoxia. <i>Journal of Applied Physiology</i> , 2003 , 94, 2342-9	3.7	131
162	Intermittent hypoxia degrades HIF-2alpha via calpains resulting in oxidative stress: implications for recurrent apnea-induced morbidities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1199-204	11.5	128
161	Peripheral chemoreceptors in health and disease. <i>Journal of Applied Physiology</i> , 2004 , 96, 359-66	3.7	125

160	NO and CO as second messengers in oxygen sensing in the carotid body. <i>Respiration Physiology</i> , 1999 , 115, 161-8		125
159	O ₂ sensing at the mammalian carotid body: why multiple O ₂ sensors and multiple transmitters?. <i>Experimental Physiology</i> , 2006 , 91, 17-23	2.4	124
158	Oxygen Sensing and Homeostasis. <i>Physiology</i> , 2015 , 30, 340-8	9.8	116
157	Cardiovascular alterations by chronic intermittent hypoxia: importance of carotid body chemoreflexes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2005 , 32, 447-9	3	116
156	TET1-mediated hydroxymethylation facilitates hypoxic gene induction in neuroblastoma. <i>Cell Reports</i> , 2014 , 7, 1343-1352	10.6	115
155	Nitric oxide inhibits L-type Ca ²⁺ current in glomus cells of the rabbit carotid body via a cGMP-independent mechanism. <i>Journal of Neurophysiology</i> , 1999 , 81, 1449-57	3.2	114
154	Role of oxidative stress in intermittent hypoxia-induced immediate early gene activation in rat PC12 cells. <i>Journal of Physiology</i> , 2004 , 557, 773-83	3.9	111
153	Acute intermittent hypoxia increases both phrenic and sympathetic nerve activities in the rat. <i>Experimental Physiology</i> , 2007 , 92, 87-97	2.4	107
152	Sensing hypoxia: physiology, genetics and epigenetics. <i>Journal of Physiology</i> , 2013 , 591, 2245-57	3.9	105
151	Epigenetic regulation of hypoxic sensing disrupts cardiorespiratory homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 2515-20	11.5	105
150	Altered respiratory responses to hypoxia in mutant mice deficient in neuronal nitric oxide synthase. <i>Journal of Physiology</i> , 1998 , 511 (Pt 1), 273-87	3.9	104
149	HIF-1-dependent respiratory, cardiovascular, and redox responses to chronic intermittent hypoxia. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 1391-6	8.4	104
148	ROS signaling in systemic and cellular responses to chronic intermittent hypoxia. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 1397-403	8.4	103
147	Intermittent hypoxia augments carotid body and ventilatory response to hypoxia in neonatal rat pups. <i>Journal of Applied Physiology</i> , 2004 , 97, 2020-5	3.7	101
146	Mechanisms of sympathetic activation and blood pressure elevation by intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 174, 156-61	2.8	96
145	Intermittent hypoxia: cell to system. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 281, L524-8	5.8	95
144	Transcriptional responses to intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2008 , 164, 277-81	2.8	94
143	Hypoxia-inducible factor 2[[HIF-2]]heterozygous-null mice exhibit exaggerated carotid body sensitivity to hypoxia, breathing instability, and hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3065-70	11.5	93

142	Comparative analysis of neonatal and adult rat carotid body responses to chronic intermittent hypoxia. <i>Journal of Applied Physiology</i> , 2008 , 104, 1287-94	3.7	92
141	Oxidative stress in the systemic and cellular responses to intermittent hypoxia. <i>Biological Chemistry</i> , 2004 , 385, 217-21	4.5	86
140	Systemic, cellular and molecular analysis of chemoreflex-mediated sympathoexcitation by chronic intermittent hypoxia. <i>Experimental Physiology</i> , 2007 , 92, 39-44	2.4	81
139	Protein kinase G-regulated production of H ₂ S governs oxygen sensing. <i>Science Signaling</i> , 2015 , 8, ra37	8.8	78
138	Reactive oxygen species-dependent endothelin signaling is required for augmented hypoxic sensory response of the neonatal carotid body by intermittent hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R735-42	3.2	77
137	Sympatho-adrenal activation by chronic intermittent hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 113, 1304-10	3.7	74
136	Activation of nitric oxide synthase gene expression by hypoxia in central and peripheral neurons. <i>Molecular Brain Research</i> , 1996 , 43, 341-6		74
135	is required for disturbed flow-induced metabolic reprogramming in human and porcine vascular endothelium. <i>ELife</i> , 2017 , 6,	8.9	73
134	NADPH oxidase 2 mediates intermittent hypoxia-induced mitochondrial complex I inhibition: relevance to blood pressure changes in rats. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 533-42	8.4	70
133	5-HT evokes sensory long-term facilitation of rodent carotid body via activation of NADPH oxidase. <i>Journal of Physiology</i> , 2006 , 576, 289-95	3.9	70
132	Regulation of hypoxia-inducible factor-1 isoforms and redox state by carotid body neural activity in rats. <i>Journal of Physiology</i> , 2014 , 592, 3841-58	3.9	66
131	Mutual antagonism between hypoxia-inducible factors 1 and 2 regulates oxygen sensing and cardio-respiratory homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E1788-96	11.5	66
130	Regulation of gene expression by HIF-1. <i>Novartis Foundation Symposium</i> , 2006 , 272, 2-8; discussion 8-14, 33-6		64
129	Impairment of pancreatic β -cell function by chronic intermittent hypoxia. <i>Experimental Physiology</i> , 2013 , 98, 1376-85	2.4	63
128	Regulation of Gene Expression by HIF-1. <i>Novartis Foundation Symposium</i> , 2-14		62
127	Peripheral chemoreception and arterial pressure responses to intermittent hypoxia. <i>Comprehensive Physiology</i> , 2015 , 5, 561-77	7.7	61
126	NADPH oxidase-dependent regulation of T-type Ca ²⁺ channels and ryanodine receptors mediate the augmented exocytosis of catecholamines from intermittent hypoxia-treated neonatal rat chromaffin cells. <i>Journal of Neuroscience</i> , 2010 , 30, 10763-72	6.6	61
125	Central and peripheral factors contributing to obstructive sleep apneas. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 189, 344-53	2.8	60

124	Ventilatory changes during intermittent hypoxia: importance of pattern and duration. <i>High Altitude Medicine and Biology</i> , 2002 , 3, 195-204	1.9	60
123	Inherent variations in CO-H ₂ S-mediated carotid body O ₂ sensing mediate hypertension and pulmonary edema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1174-9	11.5	59
122	Altered carotid body function by intermittent hypoxia in neonates and adults: relevance to recurrent apneas. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 157, 148-53	2.8	58
121	Gaseous messengers in oxygen sensing. <i>Journal of Molecular Medicine</i> , 2012 , 90, 265-72	5.5	57
120	Endogenous H ₂ S is required for hypoxic sensing by carotid body glomus cells. <i>American Journal of Physiology - Cell Physiology</i> , 2012 , 303, C916-23	5.4	57
119	Blunted respiratory responses to hypoxia in mutant mice deficient in nitric oxide synthase-3. <i>Journal of Applied Physiology</i> , 2000 , 88, 1496-508	3.7	57
118	HIF-1 α activation by intermittent hypoxia requires NADPH oxidase stimulation by xanthine oxidase. <i>PLoS ONE</i> , 2015 , 10, e0119762	3.7	56
117	Ca ²⁺ current in rabbit carotid body glomus cells is conducted by multiple types of high-voltage-activated Ca ²⁺ channels. <i>Journal of Neurophysiology</i> , 1997 , 78, 2467-74	3.2	53
116	Secretion of brain-derived neurotrophic factor from PC12 cells in response to oxidative stress requires autocrine dopamine signaling. <i>Journal of Neurochemistry</i> , 2006 , 96, 694-705	6	51
115	Xanthine oxidase mediates hypoxia-inducible factor-2 α degradation by intermittent hypoxia. <i>PLoS ONE</i> , 2013 , 8, e75838	3.7	49
114	Neonatal intermittent hypoxia leads to long-lasting facilitation of acute hypoxia-evoked catecholamine secretion from rat chromaffin cells. <i>Journal of Neurophysiology</i> , 2009 , 101, 2837-46	3.2	46
113	Complementary roles of gasotransmitters CO and H ₂ S in sleep apnea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1413-1418	11.5	45
112	Carotid body chemoreflex: a driver of autonomic abnormalities in sleep apnoea. <i>Experimental Physiology</i> , 2016 , 101, 975-85	2.4	45
111	Neural regulation of hypoxia-inducible factors and redox state drives the pathogenesis of hypertension in a rodent model of sleep apnea. <i>Journal of Applied Physiology</i> , 2015 , 119, 1152-6	3.7	45
110	Intermittent hypoxia augments acute hypoxic sensing via HIF-mediated ROS. <i>Respiratory Physiology and Neurobiology</i> , 2010 , 174, 230-4	2.8	45
109	Activation of tyrosine hydroxylase by intermittent hypoxia: involvement of serine phosphorylation. <i>Journal of Applied Physiology</i> , 2003 , 95, 536-44	3.7	45
108	Cellular and molecular mechanisms associated with carotid body adaptations to chronic hypoxia. <i>High Altitude Medicine and Biology</i> , 2005 , 6, 112-20	1.9	45
107	Endogenous carbon monoxide in control of respiration. <i>Respiration Physiology</i> , 1998 , 114, 57-64		44

106	Intermittent hypoxia-induced endothelial barrier dysfunction requires ROS-dependent MAP kinase activation. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 306, C745-52	5.4	43
105	Carbon monoxide (CO) and hydrogen sulfide (H ₂ S) in hypoxic sensing by the carotid body. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 184, 165-9	2.8	43
104	Epigenetic regulation of redox state mediates persistent cardiorespiratory abnormalities after long-term intermittent hypoxia. <i>Journal of Physiology</i> , 2017 , 595, 63-77	3.9	41
103	The human carotid body releases acetylcholine, ATP and cytokines during hypoxia. <i>Experimental Physiology</i> , 2014 , 99, 1089-98	2.4	40
102	Sensory plasticity of the carotid body: role of reactive oxygen species and physiological significance. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 178, 375-80	2.8	40
101	Augmentation of L-type calcium current by hypoxia in rabbit carotid body glomus cells: evidence for a PKC-sensitive pathway. <i>Journal of Neurophysiology</i> , 2000 , 84, 1636-44	3.2	40
100	The role of hypoxia-inducible factors in carotid body (patho) physiology. <i>Journal of Physiology</i> , 2018 , 596, 2977-2983	3.9	39
99	L-type Ca(2+) channel activation regulates induction of c-fos transcription by hypoxia. <i>Journal of Applied Physiology</i> , 2000 , 88, 1898-906	3.7	39
98	Chronic Intermittent Hypoxia Alters Local Respiratory Circuit Function at the Level of the preBötzing Complex. <i>Frontiers in Neuroscience</i> , 2016 , 10, 4	5.1	39
97	Epigenetic changes by DNA methylation in chronic and intermittent hypoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017 , 313, L1096-L1100	5.8	37
96	Angiotensin II evokes sensory long-term facilitation of the carotid body via NADPH oxidase. <i>Journal of Applied Physiology</i> , 2011 , 111, 964-70	3.7	37
95	Systemic and cellular responses to intermittent hypoxia: evidence for oxidative stress and mitochondrial dysfunction. <i>Advances in Experimental Medicine and Biology</i> , 2003 , 536, 559-64	3.6	37
94	Role of oxidative stress-induced endothelin-converting enzyme activity in the alteration of carotid body function by chronic intermittent hypoxia. <i>Experimental Physiology</i> , 2013 , 98, 1620-30	2.4	35
93	Regulation of carotid body oxygen sensing by hypoxia-inducible factors. <i>Pflugers Archiv European Journal of Physiology</i> , 2016 , 468, 71-75	4.6	34
92	Gasotransmitter regulation of ion channels: a key step in O ₂ sensing by the carotid body. <i>Physiology</i> , 2014 , 29, 49-57	9.8	34
91	Endothelin-1 mediates attenuated carotid baroreceptor activity by intermittent hypoxia. <i>Journal of Applied Physiology</i> , 2012 , 112, 187-96	3.7	34
90	Hypoxia-inducible factors and obstructive sleep apnea. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5042-5051	5.5	33
89	Pattern-specific sustained activation of tyrosine hydroxylase by intermittent hypoxia: role of reactive oxygen species-dependent downregulation of protein phosphatase 2A and upregulation of protein kinases. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1777-89	8.4	32

88	Hypoxia-inducible factors regulate human and rat cystathionine β -synthase gene expression. <i>Biochemical Journal</i> , 2014 , 458, 203-11	3.8	30
87	Facilitation of dopamine and acetylcholine release by intermittent hypoxia in PC12 cells: involvement of calcium and reactive oxygen species. <i>Journal of Applied Physiology</i> , 2004 , 96, 1206-15; discussion 1196	3.7	30
86	Systems biology of oxygen homeostasis. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2017 , 9, e1382	6.6	29
85	Hypoxia-inducible factors and hypertension: lessons from sleep apnea syndrome. <i>Journal of Molecular Medicine</i> , 2015 , 93, 473-80	5.5	29
84	Intermittent hypoxia-mediated plasticity of acute O ₂ sensing requires altered red-ox regulation by HIF-1 and HIF-2. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1177, 162-8	6.5	28
83	Increased secretory capacity of mouse adrenal chromaffin cells by chronic intermittent hypoxia: involvement of protein kinase C. <i>Journal of Physiology</i> , 2007 , 584, 313-9	3.9	28
82	Intermittent hypoxia activates peptidylglycine alpha-amidating monooxygenase in rat brain stem via reactive oxygen species-mediated proteolytic processing. <i>Journal of Applied Physiology</i> , 2009 , 106, 12-9	3.7	27
81	H ₂ S production by reactive oxygen species in the carotid body triggers hypertension in a rodent model of sleep apnea. <i>Science Signaling</i> , 2016 , 9, ra80	8.8	26
80	Integrative genomics reveals hypoxia inducible genes that are associated with a poor prognosis in neuroblastoma patients. <i>Oncotarget</i> , 2016 , 7, 76816-76826	3.3	26
79	Post-translational modification of proteins during intermittent hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2008 , 164, 272-6	2.8	25
78	Nitric oxide synthase activity in guinea pig ventricular myocytes is not involved in muscarinic inhibition of cAMP-regulated ion channels. <i>Circulation Research</i> , 1996 , 78, 925-35	15.7	25
77	The role of hypoxia-inducible factors in oxygen sensing by the carotid body. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 758, 1-5	3.6	22
76	Impaired ventilatory acclimatization to hypoxia in mice lacking the immediate early gene fos B. <i>Respiratory Physiology and Neurobiology</i> , 2005 , 145, 23-31	2.8	21
75	Reactive oxygen radicals and gaseous transmitters in carotid body activation by intermittent hypoxia. <i>Cell and Tissue Research</i> , 2018 , 372, 427-431	4.2	20
74	Is insulin the new intermittent hypoxia?. <i>Medical Hypotheses</i> , 2014 , 82, 730-5	3.8	20
73	Oxygen Sensing by the Carotid Body: Past and Present. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 977, 3-8	3.6	20
72	Neonatal intermittent hypoxia impairs neuronal nicotinic receptor expression and function in adrenal chromaffin cells. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 299, C381-8	5.4	18
71	CaV3.2 T-type Ca ²⁺ channels in H ₂ O ₂ -mediated hypoxic response of the carotid body. <i>American Journal of Physiology - Cell Physiology</i> , 2015 , 308, C146-54	5.4	16

70	Enhanced neuropeptide Y synthesis during intermittent hypoxia in the rat adrenal medulla: role of reactive oxygen species-dependent alterations in precursor peptide processing. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1179-90	8.4	16
69	Recent advances in understanding the physiology of hypoxic sensing by the carotid body. <i>F1000Research</i> , 2018 , 7,	3.6	15
68	Olfactory receptor 78 participates in carotid body response to a wide range of low O levels but not severe hypoxia. <i>Journal of Neurophysiology</i> , 2020 , 123, 1886-1895	3.2	14
67	Developmental programming of O ₂ sensing by neonatal intermittent hypoxia via epigenetic mechanisms. <i>Respiratory Physiology and Neurobiology</i> , 2013 , 185, 105-9	2.8	14
66	Hydrogen sulfide (H ₂ S): a physiologic mediator of carotid body response to hypoxia. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 758, 109-13	3.6	11
65	Functional role of substance P for respiratory control during development. <i>Annals of the New York Academy of Sciences</i> , 1991 , 632, 48-52	6.5	11
64	Epigenetic Regulation of Carotid Body Oxygen Sensing: Clinical Implications. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 860, 1-8	3.6	11
63	Carotid Body Chemoreflex Mediates Intermittent Hypoxia-Induced Oxidative Stress in the Adrenal Medulla. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 860, 195-9	3.6	10
62	DNA methylation in the central and efferent limbs of the chemoreflex requires carotid body neural activity. <i>Journal of Physiology</i> , 2018 , 596, 3087-3100	3.9	10
61	Calpain activation by ROS mediates human ether-a-go-go-related gene protein degradation by intermittent hypoxia. <i>American Journal of Physiology - Cell Physiology</i> , 2016 , 310, C329-36	5.4	10
60	HS mediates carotid body response to hypoxia but not anoxia. <i>Respiratory Physiology and Neurobiology</i> , 2019 , 259, 75-85	2.8	10
59	Role of the carotid chemoreceptors in insulin-mediated sympathoexcitation in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020 , 318, R173-R181	3.2	10
58	Reactive Oxygen Species Facilitate Oxygen Sensing. <i>Novartis Foundation Symposium</i> , 95-105		10
57	Post-translational modification of glutamic acid decarboxylase 67 by intermittent hypoxia: evidence for the involvement of dopamine D1 receptor signaling. <i>Journal of Neurochemistry</i> , 2010 , 115, 1568-78	6	9
56	Contrasting effects of intermittent and continuous hypoxia on low O ₂ evoked catecholamine secretion from neonatal rat chromaffin cells. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 648, 345-9	3.6	9
55	Carbon monoxide and carotid body chemoreception. <i>Advances in Experimental Medicine and Biology</i> , 1996 , 410, 341-4	3.6	9
54	Neuromolecular mechanisms mediating the effects of chronic intermittent hypoxia on adrenal medulla. <i>Respiratory Physiology and Neurobiology</i> , 2015 , 209, 115-9	2.8	8
53	CaV3.2 T-type Ca ²⁺ channels mediate the augmented calcium influx in carotid body glomus cells by chronic intermittent hypoxia. <i>Journal of Neurophysiology</i> , 2016 , 115, 345-54	3.2	8

52	Hypoxia-inducible factor-1 mediates pancreatic β -cell dysfunction by intermittent hypoxia. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C922-C932	5.4	7
51	Therapeutic Targeting of the Carotid Body for Treating Sleep Apnea in a Pre-clinical Mouse Model. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1071, 109-114	3.6	7
50	Reactive oxygen species facilitate oxygen sensing. <i>Novartis Foundation Symposium</i> , 2006 , 272, 95-9; discussion 100-5, 131-40		7
49	Gas biology: small molecular medicine. <i>Journal of Molecular Medicine</i> , 2012 , 90, 213-5	5.5	6
48	Neural Activation of Molecular Circuitry in Intermittent Hypoxia. <i>Current Opinion in Physiology</i> , 2019 , 7, 9-14	2.6	5
47	O ₂ and CO ₂ Detection by the Carotid and Aortic Bodies 2016 , 321-338		5
46	Detection of oxygen sensing during intermittent hypoxia. <i>Methods in Enzymology</i> , 2004 , 381, 107-20	1.7	4
45	Role of olfactory receptor78 in carotid body-dependent sympathetic activation and hypertension in murine models of chronic intermittent hypoxia. <i>Journal of Neurophysiology</i> , 2021 , 125, 2054-2067	3.2	4
44	Hypoxia induced hERG trafficking defect linked to cell cycle arrest in SH-SY5Y cells. <i>PLoS ONE</i> , 2019 , 14, e0215905	3.7	3
43	Redox Pioneer: Professor Gregg L. Semenza. <i>Antioxidants and Redox Signaling</i> , 2010 , 13, 559-64	8.4	3
42	Olfactory receptor 78 regulates erythropoietin and cardiorespiratory responses to hypobaric hypoxia. <i>Journal of Applied Physiology</i> , 2021 , 130, 1122-1132	3.7	3
41	Gaseous transmitter regulation of hypoxia-evoked catecholamine secretion from murine adrenal chromaffin cells. <i>Journal of Neurophysiology</i> , 2021 , 125, 1533-1542	3.2	3
40	Lysine demethylase KDM6B regulates HIF-1 β -mediated systemic and cellular responses to intermittent hypoxia. <i>Physiological Genomics</i> , 2021 , 53, 385-394	3.6	3
39	Long-term facilitation of catecholamine secretion from adrenal chromaffin cells of neonatal rats by chronic intermittent hypoxia. <i>Journal of Neurophysiology</i> , 2019 , 122, 1874-1883	3.2	2
38	Immunohistochemistry of the Carotid Body. <i>Methods in Molecular Biology</i> , 2018 , 1742, 155-166	1.4	1
37	Comparison between neonatal and adult carotid body responses to chronic intermittent hypoxia. <i>FASEB Journal</i> , 2006 , 20, A789	0.9	1
36	ROLE OF CAROTID BODIES IN CHRONIC INTERMITTENT HYPOXIA-EVOKED AUGMENTED LTF OF PHRENIC NERVE ACTIVITY. <i>FASEB Journal</i> , 2008 , 22, 960.7	0.9	1
35	ACTIVATION OF NADPH-OXIDASE BY 5-HT MEDIATES SENSORY LTF OF THE CAROTID BODY BY CHRONIC INTERMITTENT HYPOXIA. <i>FASEB Journal</i> , 2008 , 22, 960.8	0.9	1

34	Measurement of Sensory Nerve Activity from the Carotid Body. <i>Methods in Molecular Biology</i> , 2018 , 1742, 115-124	1.4	1
33	Impaired carotid body hypoxic sensing in mice deficient in olfactory receptor 78		1
32	Histone Deacetylase 5 Is an Early Epigenetic Regulator of Intermittent Hypoxia Induced Sympathetic Nerve Activation and Blood Pressure. <i>Frontiers in Physiology</i> , 2021 , 12, 688322	4.6	1
31	Intermittent Hypoxia: Mechanistic Pathways Influencing Cancer 2014 , 103-119		1
30	Intermittent Hypoxia-Induced Activation of Endothelial Cells Is Mediated Sympathetic Activation-Dependent Catecholamine Release. <i>Frontiers in Physiology</i> , 2021 , 12, 701995	4.6	0
29	Decreased barosensitivity in rats conditioned with intermittent hypoxia. <i>FASEB Journal</i> , 2006 , 20, A790	0.9	
28	Chronic intermittent hypoxia induces hypoxic sensitivity in adult rat adrenal medulla via oxidative stress. <i>FASEB Journal</i> , 2006 , 20, A789	0.9	
27	Mechanism of activation of peptidylglycine alpha-amidating monooxygenase by intermittent hypoxia. <i>FASEB Journal</i> , 2006 , 20, A789	0.9	
26	Chronic intermittent hypoxia (CIH) alters respiratory behavior in the Pre-Bötzinger complex (PBC). <i>FASEB Journal</i> , 2007 , 21, A557	0.9	
25	Mechanisms of Mitochondrial Complex 1 Inhibition by Intermittent Hypoxia. <i>FASEB Journal</i> , 2008 , 22, 960.6	0.9	
24	Post-translational modification of peptidylglycine alpha-amidating monooxygenase by intermittent hypoxia. <i>FASEB Journal</i> , 2008 , 22, 960.4	0.9	
23	Mitochondrial ROS is involved in downregulation of hERG by hypoxia. <i>FASEB Journal</i> , 2008 , 22, 960.5	0.9	
22	Chronic intermittent hypoxia (CIH) alters the neuronal response to norepinephrine (NE) in the pre-Bötzinger complex (pre-BEC). <i>FASEB Journal</i> , 2008 , 22, 755.1	0.9	
21	Impaired Acute Hypoxic Sensing in Olfactory Receptor 78 Knockout Mice. <i>FASEB Journal</i> , 2019 , 33, lb575	0.9	
20	Persistent HIF-1 Activation by Long-Term Intermittent Hypoxia. <i>FASEB Journal</i> , 2019 , 33, 551.16	0.9	
19	H2S Contributes to Carotid Body Response to Hypoxia but Not Anoxia. <i>FASEB Journal</i> , 2019 , 33, 551.14	0.9	
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