

Arijit Roy

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

224
citations

1163117

8
h-index

1281871

11
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all docs

15
docs citations

15
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Preventing acute asthmatic symptoms by targeting a neuronal mechanism involving carotid body lysophosphatidic acid receptors. <i>Nature Communications</i> , 2018, 9, 4030.	12.8	42
2	Anandamide modulates carotid sinus nerve afferent activity via TRPV1 receptors increasing responses to heat. <i>Journal of Applied Physiology</i> , 2012, 112, 212-224.	2.5	36
3	Sensorimotor control of breathing in the <i>mdx</i> mouse model of Duchenne muscular dystrophy. <i>Journal of Physiology</i> , 2017, 595, 6653-6672.	2.9	31
4	Acute intermittent hypoxia with concurrent hypercapnia evokes P2X and TRPV1 receptor-dependent sensory long-term facilitation in naïve carotid bodies. <i>Journal of Physiology</i> , 2018, 596, 3149-3169.	2.9	27
5	Activation of HIF-1 α mRNA by hypoxia and iron chelator in isolated rat carotid body. <i>Neuroscience Letters</i> , 2004, 363, 229-232.	2.1	22
6	PKC μ stimulation of TRPV1 orchestrates carotid body responses to asthmakines. <i>Journal of Physiology</i> , 2021, 599, 1335-1354.	2.9	18
7	Stress peptide PACAP engages multiple signaling pathways within the carotid body to initiate excitatory responses in respiratory and sympathetic chemosensory afferents. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R1070-R1084.	1.8	15
8	Novel oxygen sensing mechanism in the spinal cord involved in cardiorespiratory responses to hypoxia. <i>Science Advances</i> , 2022, 8, eabm1444.	10.3	13
9	Vagal TRPV1 activation exacerbates thermal hyperpnea and increases susceptibility to experimental febrile seizures in immature rats. <i>Neurobiology of Disease</i> , 2018, 119, 172-189.	4.4	10
10	Asthmatic allergen inhalation sensitises carotid bodies to lysophosphatidic acid. <i>Journal of Neuroinflammation</i> , 2021, 18, 191.	7.2	7
11	Spinal Oxygen Sensors (SOS) drive sympathetic activity that precedes, predicts and outlives phrenic gasps during hypoxia in the absence of the brainstem. <i>FASEB Journal</i> , 2015, 29, 859.7.	0.5	2
12	Role of IP3 Receptors in Shaping the Carotid Chemoreceptor Response to Hypoxia But Not to Hypercapnia in the Rat Carotid Body: An Evidence Review. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1289, 1-25.	1.6	1
13	Methylxanthine reversal of opioid-induced respiratory depression in the in situ neonatal rat working heart-brainstem preparation. <i>FASEB Journal</i> , 2012, 26, 1088.9.	0.5	0
14	Induction of asthma causes sensitization of the carotid bodies to lysophosphatidic acid. <i>FASEB Journal</i> , 2019, 33, lb580.	0.5	0
15	Carotid body-specific shRNA knockdown of PKC ϵ blunts TRPV1-dependent asthmatic bronchoconstriction. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0