Arijit Roy

List of Publications by Year
in descending order

15 papers	224 citations	1163117 8 h-index	1281871 11 g-index
15 all docs	15 docs citations	15 times ranked	333 citing authors

#	Article	IF	Citations
1	Novel oxygen sensing mechanism in the spinal cord involved in cardiorespiratory responses to hypoxia. Science Advances, 2022, 8, eabm1444.	10.3	13
2	PKCÎµ stimulation of TRPV1 orchestrates carotid body responses to asthmakines. Journal of Physiology, 2021, 599, 1335-1354.	2.9	18
3	Asthmatic allergen inhalation sensitises carotid bodies to lysophosphatidic acid. Journal of Neuroinflammation, 2021, 18, 191.	7.2	7
4	Role of IP3 Receptors in Shaping the Carotid Chemoreceptor Response to Hypoxia But Not to Hypercapnia in the Rat Carotid Body: An Evidence Review. Advances in Experimental Medicine and Biology, 2020, 1289, 1-25.	1.6	1
5	Carotid bodyâ€specific shRNA knockdown of PKCÉ› blunts TRPV1â€dependent asthmatic bronchoconstriction. FASEB Journal, 2020, 34, 1-1.	0.5	0
6	Induction of asthma causes sensitization of the carotid bodies to lysophosphatidic acid. FASEB Journal, 2019, 33, lb580.	0.5	0
7	Acute intermittent hypoxia with concurrent hypercapnia evokes P2X and TRPV1 receptorâ€dependent sensory longâ€term facilitation in naÃ¯ve carotid bodies. Journal of Physiology, 2018, 596, 3149-3169.	2.9	27
8	Preventing acute asthmatic symptoms by targeting a neuronal mechanism involving carotid body lysophosphatidic acid receptors. Nature Communications, 2018, 9, 4030.	12.8	42
9	Vagal TRPV1 activation exacerbates thermal hyperpnea and increases susceptibility to experimental febrile seizures in immature rats. Neurobiology of Disease, 2018, 119, 172-189.	4.4	10
10	Sensorimotor control of breathing in the mdx mouse model of Duchenne muscular dystrophy. Journal of Physiology, 2017, 595, 6653-6672.	2.9	31
11	Spinal Oxygen Sensors (SOS) drive sympathetic activity that precedes, predicts and outlives phrenic gasps during hypoxia in the absence of the brainstem. FASEB Journal, 2015, 29, 859.7.	0.5	2
12	Stress peptide PACAP engages multiple signaling pathways within the carotid body to initiate excitatory responses in respiratory and sympathetic chemosensory afferents. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R1070-R1084.	1.8	15
13	Anandamide modulates carotid sinus nerve afferent activity via TRPV1 receptors increasing responses to heat. Journal of Applied Physiology, 2012, 112, 212-224.	2.5	36
14	Methylxanthine reversal of opioidâ€induced respiratory depression in the in situ neonatal rat working heartâ€brainstem preparation. FASEB Journal, 2012, 26, 1088.9.	0.5	0
15	Activation of HIF-1Î± mRNA by hypoxia and iron chelator in isolated rat carotid body. Neuroscience Letters, 2004, 363, 229-232.	2.1	22