

Nicolas Voituron

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,182
citations

471061

17
h-index

395343

33
g-index

51
all docs

51
docs citations

51
times ranked

1763
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2018 Lake Louise Acute Mountain Sickness Score. <i>High Altitude Medicine and Biology</i> , 2018, 19, 4-6.	0.5	324
2	The role of serotonin in respiratory function and dysfunction. <i>Respiratory Physiology and Neurobiology</i> , 2010, 174, 76-88.	0.7	131
3	The H3K27 Demethylase JMJD3 Is Required for Maintenance of the Embryonic Respiratory Neuronal Network, Neonatal Breathing, and Survival. <i>Cell Reports</i> , 2012, 2, 1244-1258.	2.9	94
4	Early breathing defects after moderate hypoxia or hypercapnia in a mouse model of Rett syndrome. <i>Respiratory Physiology and Neurobiology</i> , 2009, 168, 109-118.	0.7	63
5	Teashirt 3 Regulates Development of Neurons Involved in Both Respiratory Rhythm and Airflow Control. <i>Journal of Neuroscience</i> , 2010, 30, 9465-9476.	1.7	43
6	Intermittent Hypoxia Increases the Severity of Bleomycin-Induced Lung Injury in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-13.	1.9	37
7	Early abnormalities of post-sigh breathing in a mouse model of Rett syndrome. <i>Respiratory Physiology and Neurobiology</i> , 2010, 170, 173-182.	0.7	32
8	The benzodiazepine Midazolam mitigates the breathing defects of Mecp2-deficient mice. <i>Respiratory Physiology and Neurobiology</i> , 2011, 177, 56-60.	0.7	31
9	Raph ³ tauopathy alters serotonin metabolism and breathing activity in terminal Tau.P301L mice: Possible implications for tauopathies and Alzheimer's disease. <i>Respiratory Physiology and Neurobiology</i> , 2011, 178, 290-303.	0.7	31
10	Hypoxia-sensing properties of the newborn rat ventral medullary surface in vitro. <i>Journal of Physiology</i> , 2006, 577, 55-68.	1.3	27
11	The c-FOS Protein Immunohistological Detection: A Useful Tool As a Marker of Central Pathways Involved in Specific Physiological Responses In Vivo and Ex Vivo. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	27
12	Necdin shapes serotonergic development and SERT activity modulating breathing in a mouse model for Prader-Willi syndrome. <i>ELife</i> , 2017, 6, .	2.8	27
13	Physiological definition of upper airway obstructions in mouse model for Rett syndrome. <i>Respiratory Physiology and Neurobiology</i> , 2010, 173, 146-156.	0.7	24
14	Diencephalic and mesencephalic influences on ponto-medullary respiratory control in normoxic and hypoxic conditions: An in vitro study on central nervous system preparations from newborn rat. <i>Neuroscience</i> , 2005, 132, 843-854.	1.1	22
15	Dexmedetomidine and clonidine induce long-lasting activation of the respiratory rhythm generator of neonatal mice: Possible implication for critical care. <i>Respiratory Physiology and Neurobiology</i> , 2012, 180, 132-140.	0.7	22
16	Isoflurane anesthesia precipitates tauopathy and upper airways dysfunction in pre-symptomatic Tau.P301L mice: Possible implication for neurodegenerative diseases. <i>Neurobiology of Disease</i> , 2012, 46, 234-243.	2.1	21
17	Cardiac adaptation to high altitude in the plateau pika (<i>Ochotona curzoniae</i>). <i>Physiological Reports</i> , 2013, 1, e00032.	0.7	21
18	Epo deficiency alters cardiac adaptation to chronic hypoxia. <i>Respiratory Physiology and Neurobiology</i> , 2013, 186, 146-154.	0.7	17

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19	Differences in serotonergic metabolism possibly contribute to differences in breathing phenotype of FVB/N and C57BL/6J mice. <i>Journal of Applied Physiology</i> , 2011, 110, 1572-1581.	1.2	15
20	The kreisler mutation leads to the loss of intrinsically hypoxia-activated spots in the region of the retrotrapezoid nucleus/parafacial respiratory group. <i>Neuroscience</i> , 2011, 194, 95-111.	1.1	14
21	Impaired ventilatory and thermoregulatory responses to hypoxic stress in newborn Phox2b heterozygous knock-out mice. <i>Frontiers in Physiology</i> , 2011, 2, 61.	1.3	13
22	Fluoxetine Treatment Abolishes the In Vitro Respiratory Response to Acidosis in Neonatal Mice. <i>PLoS ONE</i> , 2010, 5, e13644.	1.1	12
23	Erythropoietin and the use of a transgenic model of erythropoietin-deficient mice. <i>Hypoxia (Auckland)</i> , 2011, 19, 119-121.	1.9	11
24	The vesicular glutamate transporter VGLUT3 contributes to protection against neonatal hypoxic stress. <i>Journal of Physiology</i> , 2012, 590, 5183-5198.	1.3	10
25	Catalyzing role of erythropoietin on the nitric oxide central pathway during the ventilatory responses to hypoxia. <i>Physiological Reports</i> , 2014, 2, e00223.	0.7	10
26	Effect of Gender on Chronic Intermittent Hypoxic Fosb Expression in Cardiorespiratory-Related Brain Structures in Mice. <i>Frontiers in Physiology</i> , 2018, 9, 788.	1.3	10
27	Ventilatory and Autonomic Regulation in Sleep Apnea Syndrome: A Potential Protective Role for Erythropoietin?. <i>Frontiers in Physiology</i> , 2018, 9, 1440.	1.3	9
28	Cytoprotective effects of erythropoietin: What about the lung?. <i>Biomedicine and Pharmacotherapy</i> , 2021, 139, 111547.	2.5	9
29	Ventilatory oscillations at exercise in hypoxia: A mathematical model. <i>Journal of Theoretical Biology</i> , 2016, 411, 92-101.	0.8	8
30	The central chemosensitivity is not altered by cerebral erythropoietin. <i>Neuroscience Letters</i> , 2015, 609, 63-68.	1.0	7
31	Key Brainstem Structures Activated during Hypoxic Exposure in One-day-old Mice Highlight Characteristics for Modeling Breathing Network in Premature Infants. <i>Frontiers in Physiology</i> , 2016, 7, 609.	1.3	7
32	Exercising in Hypoxia and Other Stimuli: Heart Rate Variability and Ventilatory Oscillations. <i>Life</i> , 2021, 11, 625.	1.1	7
33	Role of glutamate and serotonin on the hypoxic ventilatory response in high-altitude-adapted plateau Pika. <i>Respiratory Physiology and Neurobiology</i> , 2015, 212-214, 39-45.	0.7	5
34	Acute Effects of Systemic Erythropoietin Injections on Carotid Body Chemosensory Activity Following Hypoxic and Hypercapnic Stimulation. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1071, 95-102.	0.8	5
35	Submaximal aerobic exercise training reduces haematocrit and ameliorates symptoms in Andean highlanders with chronic mountain sickness. <i>Experimental Physiology</i> , 2021, 106, 2198-2209.	0.9	5
36	Increased ventilation in female erythropoietin-deficient mouse line is not progesterone and estrous stage-dependent. <i>Respiratory Physiology and Neurobiology</i> , 2017, 245, 98-104.	0.7	5

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37	Comparative ventilatory strategies of acclimated rats and burrowing plateau pika (<i>Ochotona</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Molecular & Integrative Physiology, 2015, 187, 103-110.	0.8	4
38	Pharmacological, but not genetic, alteration of neural Epo modifies the CO ₂ /H ⁺ central chemosensitivity in postnatal mice. <i>Respiratory Physiology and Neurobiology</i> , 2017, 242, 73-79.	0.7	4
39	Carbamylated form of human erythropoietin normalizes cardiorespiratory disorders triggered by intermittent hypoxia mimicking sleep apnea syndrome. <i>Journal of Hypertension</i> , 2021, 39, 1125-1133.	0.3	4
40	Red blood cell deformability is very slightly decreased in erythropoietin deficient mice. <i>Clinical Hemorheology and Microcirculation</i> , 2014, 56, 41-46.	0.9	3
41	Hypercapnic ventilatory response is decreased in a mouse model of excessive erythrocytosis. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R940-R947.	0.9	3
42	Modeling the Evans Blue Dilution Method for the Measurement of Plasma Volume in Small Animals: A New Optimized Method. <i>Annals of Biomedical Engineering</i> , 2018, 46, 2189-2195.	1.3	3
43	Effect of exercise training in rats exposed to chronic hypoxia: Application for Monge's disease. <i>Physiological Reports</i> , 2021, 9, e14750.	0.7	2
44	Reply to Drs. Teppema, Berendsen, and Swenson. <i>Journal of Applied Physiology</i> , 2016, 120, 1492-1492.	1.2	1
45	Sleep Apnea in Idiopathic Pulmonary Fibrosis: A Molecular Investigation in an Experimental Model of Fibrosis and Intermittent Hypoxia. <i>Life</i> , 2021, 11, 973.	1.1	1
46	Gestational stress delays maturation of the hypoxic ventilatory response: an in vivo and in vitro study. <i>FASEB Journal</i> , 2009, 23, 961.9.	0.2	0
47	Impact of systemic erythropoietin deficiency on the lung of mice exposed to hypoxia. , 2018, , .		0
48	Carbamylated erythropoietin prevents cardio-respiratory dysfunctions induced by chronic intermittent hypoxia. , 2018, , .		0