

Christian Gestreau

List of Publications by Year in descending order

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47
papers

1,715
citations

236833

25
h-index

276775

41
g-index

47
all docs

47
docs citations

47
times ranked

1752
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of the Use of Multi-Channel Organic Electrodes to Record ENG on Small Nerves: Application to Phrenic Nerve Burst Detection. <i>Sensors</i> , 2021, 21, 5594.	2.1	1
2	Quipazine Elicits Swallowing in the Arterially Perfused Rat Preparation: A Role for Medullary Raphe Nuclei?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5120.	1.8	7
3	Laryngeal Adductor Reflex Motor Bursts Rapidly Oscillate in the Cat. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
4	Cluster Analysis of Neuronal Discharge Patterns During Breathing and the Laryngeal Adductor Reflex with Computer Simulations and Dynamic Visualizations. <i>FASEB Journal</i> , 2019, 33, 547.4.	0.2	0
5	Central Respiration and Mechanical Ventilation in the Gating of Swallow With Breathing. <i>Frontiers in Physiology</i> , 2018, 9, 785.	1.3	20
6	New insights into a decerebrate feline model of swallowâ€breathing coordination. <i>FASEB Journal</i> , 2018, 32, 913.9.	0.2	1
7	Moderate Hyperbilirubinemia Alters Neonatal Cardiorespiratory Control and Induces Inflammation in the Nucleus Tractus Solitarius. <i>Frontiers in Physiology</i> , 2016, 7, 437.	1.3	8
8	Carbamylated erythropoietin enhances mice ventilatory responses to changes in O ₂ but not CO ₂ levels. <i>Respiratory Physiology and Neurobiology</i> , 2016, 232, 1-12.	0.7	2
9	Polycythemia and high levels of erythropoietin in blood and brain blunt the hypercapnic ventilatory response in adult mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R979-R991.	0.9	4
10	The role of pH-sensitive TASK channels in central respiratory chemoreception. <i>Pflügers Archiv European Journal of Physiology</i> , 2015, 467, 917-929.	1.3	48
11	KCNK5 channels mostly expressed in cochlear outer sulcus cells are indispensable for hearing. <i>Nature Communications</i> , 2015, 6, 8780.	5.8	21
12	Swallowingâ€Related Activities of Respiratory and Nonâ€Respiratory Neurons in the Nucleus Tractus Solitarius (NTS) in Cats. <i>FASEB Journal</i> , 2015, 29, 1012.13.	0.2	0
13	TASKâ€ channels contribute to pH sensitivity of retrotrapezoid nucleus chemoreceptor neurons (872.4). <i>FASEB Journal</i> , 2014, 28, 872.4.	0.2	0
14	Coordination of swallow and breathing: in vivo and computational model simulations (1178.12). <i>FASEB Journal</i> , 2014, 28, 1178.12.	0.2	1
15	Central Neural Circuits for Coordination of Swallowing, Breathing, and Coughing. <i>Otolaryngologic Clinics of North America</i> , 2013, 46, 957-964.	0.5	31
16	TASK-2 Channels Contribute to pH Sensitivity of Retrotrapezoid Nucleus Chemoreceptor Neurons. <i>Journal of Neuroscience</i> , 2013, 33, 16033-16044.	1.7	98
17	The mechanical advantage of negative intraâ€thoracic pressure during swallow. <i>FASEB Journal</i> , 2013, 27, 930.14.	0.2	0
18	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

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19	Neuroanatomical, Sensorimotor and Cognitive Deficits in Adult Rats with White Matter Injury Following Prenatal Ischemia. <i>Brain Pathology</i> , 2012, 22, 1-16.	2.1	56
20	Erythropoietin and its antagonist regulate hypoxic fictive breathing in newborn mice. <i>Respiratory Physiology and Neurobiology</i> , 2012, 183, 115-121.	0.7	16
21	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
22	Differential respiratory control of the upper airway and diaphragm muscles induced by 5-HT1A receptor ligands. <i>Sleep and Breathing</i> , 2012, 16, 135-147.	0.9	11
23	Raph \ddot{a} 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
24	Age-Related Impairment of Ultrasonic Vocalization in Tau.P301L Mice: Possible Implication for Progressive Language Disorders. <i>PLoS ONE</i> , 2011, 6, e25770.	1.1	33
25	Upper Airway Dysfunction of Tau-P301L Mice Correlates with Tauopathy in Midbrain and Ponto-Medullary Brainstem Nuclei. <i>Journal of Neuroscience</i> , 2010, 30, 1810-1821.	1.7	59
26	Task2 potassium channels set central respiratory CO ₂ and O ₂ sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2325-2330.	3.3	132
27	Stimulation of the rat medullary raphe nuclei induces differential responses in respiratory muscle activity. <i>Respiratory Physiology and Neurobiology</i> , 2009, 165, 208-214.	0.7	19
28	The brainstem respiratory network: An overview of a half century of research. <i>Respiratory Physiology and Neurobiology</i> , 2009, 168, 4-12.	0.7	57
29	NEUROGENESIS OF AIRWAY PROTECTIVE BEHAVIORS IN THE CAT: COUGH AND PHARYNGEAL SWALLOW. <i>FASEB Journal</i> , 2009, 23, 1010.4.	0.2	2
30	Postnatal emergence of synaptic plasticity associated with dynamic adaptation of the respiratory motor pattern. <i>Respiratory Physiology and Neurobiology</i> , 2008, 164, 72-79.	0.7	32
31	The dual role of the orexin/hypocretin system in modulating wakefulness and respiratory drive. <i>Current Opinion in Pulmonary Medicine</i> , 2008, 14, 512-518.	1.2	49
32	Activation of Orexin B receptors in the pontine \ddot{a} lliker-Fuse nucleus modulates pre-inspiratory hypoglossal motor activity in rat. <i>Respiratory Physiology and Neurobiology</i> , 2007, 159, 232-235.	0.7	71
33	Specific and artifactual labeling in the rat spinal cord and medulla after injection of monosynaptic retrograde tracers into the diaphragm. <i>Neuroscience Letters</i> , 2007, 417, 206-211.	1.0	38
34	Time- and dose-related effects of three 5-HT receptor ligands on the genioglossus activity in anesthetized and conscious rats. <i>Sleep and Breathing</i> , 2007, 11, 275-284.	0.9	13
35	Activation of XII motoneurons and premotor neurons during various oropharyngeal behaviors. <i>Respiratory Physiology and Neurobiology</i> , 2005, 147, 159-176.	0.7	108
36	Effects of anesthetics on hypoglossal nerve discharge and c-fos expression in brainstem hypoglossal premotor neurons. <i>Journal of Comparative Neurology</i> , 2004, 468, 571-586.	0.9	37

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37	Morphine withdrawal precipitated by specific mu, delta or kappa opioid receptor antagonists: a c-Fos protein study in the rat central nervous system. <i>European Journal of Neuroscience</i> , 2003, 17, 2425-2437.	1.2	18
38	Discharge Patterns of Hypoglossal Motoneurons During Fictive Breathing, Coughing, and Swallowing. <i>Journal of Neurophysiology</i> , 2002, 87, 1703-1711.	0.9	36
39	Sensitivity to naloxone of the behavioral signs of morphine withdrawal and c-Fos expression in the rat CNS: A quantitative dose-response analysis. <i>Journal of Comparative Neurology</i> , 2001, 433, 272-296.	0.9	33
40	Medullary respiratory neurones and control of laryngeal motoneurons during fictive eupnoea and cough in the cat. <i>Journal of Physiology</i> , 2001, 534, 565-581.	1.3	94
41	Is there tonic activity in the endogenous opioid systems? A c-Fos study in the rat central nervous system after intravenous injection of naloxone or naloxone-methiodide. <i>Journal of Comparative Neurology</i> , 2000, 427, 285-301.	0.9	42
42	Fos expression in the rat brain after exposure to gravito-inertial force changes. <i>Brain Research</i> , 2000, 861, 333-344.	1.1	64
43	Activity of respiratory laryngeal motoneurons during fictive coughing and swallowing. <i>Experimental Brain Research</i> , 2000, 130, 27-34.	0.7	66
44	Fos expression in the cat brainstem after unilateral vestibular neurectomy. <i>Brain Research</i> , 1999, 824, 1-17.	1.1	43
45	Differential Brainstem Fos-Like Immunoreactivity after Laryngeal-Induced Coughing and Its Reduction by Codeine. <i>Journal of Neuroscience</i> , 1997, 17, 9340-9352.	1.7	84
46	Peripheral Chemosensitivity and Central Integration: Neuroplasticity of Catecholaminergic Cells Under Hypoxia. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1997, 118, 1-7.	0.7	22
47	Activity of dorsal respiratory group inspiratory neurons during laryngeal-induced fictive coughing and swallowing in decerebrate cats. <i>Experimental Brain Research</i> , 1996, 108, 247-56.	0.7	92