Stephen M Johnson

List of Publications by Year
in descending order

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30 papers	817 citations	686830 13 h-index	500791 28 g-index
30 all docs	30 docs citations	30 times ranked	554 citing authors

#	Article	IF	Citations
1	Invited Review: Neuroplasticity in respiratory motor control. Journal of Applied Physiology, 2003, 94, 358-374.	1.2	346
2	Plasticity in respiratory motor control: intermittent hypoxia and hypercapnia activate opposing serotonergic and noradrenergic modulatory systems. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 207-218.	0.8	102
3	Gestational intermittent hypoxia increases susceptibility to neuroinflammation and alters respiratory motor control in neonatal rats. Respiratory Physiology and Neurobiology, 2018, 256, 128-142.	0.7	38
4	Role of synaptic inhibition in turtle respiratory rhythm generation. Journal of Physiology, 2002, 544, 253-265.	1.3	33
5	Hypoxia, temperature, and pH/CO‹sub›2‹/sub›effects on respiratory discharge from a turtle brain stem preparation. Journal of Applied Physiology, 1998, 84, 649-660.	1.2	31
6	Inhibitory and excitatory effects of Î¼-, Î´-, and Îº-opioid receptor activation on breathing in awake turtles,‹i›Trachemys scripta‹/i›. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R1599-R1612.	0.9	29
7	Behavioral Evaluation of Red-eared Slider Turtles (Trachemys scripta elegans) Administered Either Morphine or Butorphanol Following Unilateral Gonadectomy. Journal of Herpetological Medicine and Surgery, 2011, 21, 54.	0.2	24
8	Are pacemaker properties required for respiratory rhythm generation in adult turtle brain stems in vitro?. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R901-R910.	0.9	22
9	N-methyl-d-aspartate-mediated bulbospinal respiratory drive is pH/PCO2-insensitive in turtle brainstem-spinal cord. Respiration Physiology, 1998, 113, 201-212.	2.8	19
10	Catecholaminergic modulation of respiratory rhythm in an in vitro turtle brain stem preparation. Journal of Applied Physiology, 1998, 85, 105-114.	1.2	18
11	Protecting motor networks during perinatal ischemia: the case for deltaâ€opioid receptors. Annals of the New York Academy of Sciences, 2010, 1198, 260-270.	1.8	18
12	Postnatal development of eupneic ventilation and metabolism in rats chronically exposed to moderate hyperoxia. Respiratory Physiology and Neurobiology, 2014, 198, 1-12.	0.7	18
13	Activity-dependent plasticity in descending synaptic inputs to respiratory spinal motoneurons. Respiratory Physiology and Neurobiology, 2002, 131, 79-90.	0.7	17
14	Isolated in vitro brainstemâ€“spinal cord preparations remain important tools in respiratory neurobiology. Respiratory Physiology and Neurobiology, 2012, 180, 1-7.	0.7	16
15	Spinal cord injury-induced changes in breathing are not due to supraspinal plasticity in turtles (Pseudemys scripta). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1550-R1561.	0.9	13
16	Excitatory and inhibitory effects of opioid agonists on respiratory motor output produced by isolated brainstems from adult turtles (Trachemys). Respiratory Physiology and Neurobiology, 2010, 170, 5-15.	0.7	13
17	Time and dose-dependent impairment of neonatal respiratory motor activity after systemic inflammation. Respiratory Physiology and Neurobiology, 2020, 272, 103314.	0.7	12
18	One bout of neonatal inflammation impairs adult respiratory motor plasticity in male and female rats. ELife, 2019, 8, .	2.8	11

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19	5-HT3 receptor-dependent modulation of respiratory burst frequency, regularity, and episodicity in isolated adult turtle brainstems. Respiratory Physiology and Neurobiology, 2010, 172, 42-52.	0.7	8
20	Respiratory neuron characterization reveals intrinsic bursting properties in isolated adult turtle brainstems (Trachemys scripta). Respiratory Physiology and Neurobiology, 2016, 224, 52-61.	0.7	7
21	Hypoxia switches episodic breathing to singlet breathing in red-eared slider turtles (Trachemys) Tj ETQq1 1 0.784314 rgBT /Overlock 10 48-57.	0.7	5
22	Respiratory pattern in midline-lesioned brainstems and hemibrainstems from adult turtles. Respiratory Physiology and Neurobiology, 2008, 164, 338-349.	0.7	4
23	Abrupt changes in pentobarbital sensitivity in preBÃ¶tzinger complex region, hypoglossal motor nucleus, nucleus tractus solitarius, and cortex during rat transitional period (P10â€“P15). Respiratory Physiology and Neurobiology, 2015, 207, 61-71.	0.7	4
24	Respiratory frequency plasticity during development. Respiratory Physiology and Neurobiology, 2019, 266, 54-65.	0.7	3
25	Regulation of respiratory-related hypoglossal motor output by Î±1 adrenergic and serotonin 5-HT3 receptor activation in isolated adult turtle brainstems. Respiratory Physiology and Neurobiology, 2012, 181, 202-213.	0.7	2
26	Daily Isoflurane Exposure Increases Barbiturate Insensitivity in Medullary Respiratory and Cortical Neurons via Expression of Îµ-Subunit Containing GABA ARs. PLoS ONE, 2015, 10, e0119351.	1.1	1
27	Isolated adult turtle brainstems exhibit central hypoxic chemosensitivity. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2018, 225, 65-73.	0.8	1
28	Adenosine A2a receptors modulate TrkB receptor-dependent respiratory plasticity in neonatal rats. Respiratory Physiology and Neurobiology, 2021, 294, 103743.	0.7	1
29	Comparison of Thermal and Mechanical Noxious Stimuli for Testing Analgesics in White's Tree Frogs (Litoria caerulea) and Northern Leopard Frogs (Lithobates pipiens). Journal of the American Association for Laboratory Animal Science, 2021, 60, 687-691.	0.6	1
30	Special issue title: â€œIntermittent hypoxia: Pathologic killer or healing tonic?". Respiratory Physiology and Neurobiology, 2018, 256, 1-3.	0.7	0