

Eugene Nalivaiko

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103
papers

3,218
citations

33
h-index

52
g-index

111
ext. papers

3,722
ext. citations

3.9
avg, IF

5.27
L-index

#	Paper	IF	Citations
103	Chronic stress alters the density and morphology of microglia in a subset of stress-responsive brain regions. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 1058-68	16.6	349
102	The yin and yang of cardiac autonomic control: vago-sympathetic interactions revisited. <i>Brain Research Reviews</i> , 2005 , 49, 555-65		219
101	A Systematic Review of Cybersickness 2014 ,		153
100	Cybersickness provoked by head-mounted display affects cutaneous vascular tone, heart rate and reaction time. <i>Physiology and Behavior</i> , 2015 , 151, 583-90	3.5	94
99	Raphe magnus/pallidus neurons regulate tail but not mesenteric arterial blood flow in rats. <i>Neuroscience</i> , 2001 , 105, 923-9	3.9	93
98	In the search for integrative biomarker of resilience to psychological stress. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 74, 310-320	9	86
97	Long-term effects of prenatal stress: changes in adult cardiovascular regulation and sensitivity to stress. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 191-203	9	77
96	Profiling subjective symptoms and autonomic changes associated with cybersickness. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017 , 203, 41-50	2.4	68
95	Relation between QT interval variability and cardiac sympathetic activity in hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1412-7	5.2	66
94	Short-term heart rate variability and cardiac norepinephrine spillover in patients with depression and panic disorder. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H674-9	5.2	64
93	Tachykinin neurokinin-1 and neurokinin-3 receptor-mediated responses in guinea-pig substantia nigra: an in vitro electrophysiological study. <i>Neuroscience</i> , 1997 , 78, 745-57	3.9	62
92	Activation of 5-HT _{1A} receptors in the medullary raphe reduces cardiovascular changes elicited by acute psychological and inflammatory stresses in rabbits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005 , 289, R596-R604	3.2	59
91	Raphe pallidus and parapyramidal neurons regulate ear pinna vascular conductance in the rabbit. <i>Neuroscience Letters</i> , 1999 , 270, 33-6	3.3	59
90	QT interval variability and cardiac norepinephrine spillover in patients with depression and panic disorder. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H962-H968	5.2	58
89	Respiratory pattern in awake rats: effects of motor activity and of alerting stimuli. <i>Physiology and Behavior</i> , 2010 , 101, 22-31	3.5	54
88	A comparative study of cybersickness during exposure to virtual reality and "classic" motion sickness: are they different?. <i>Journal of Applied Physiology</i> , 2018 ,	3.7	50
87	Functional programming of the autonomic nervous system by early life immune exposure: implications for anxiety. <i>PLoS ONE</i> , 2013 , 8, e57700	3.7	49

86	Raphe region mediates changes in cutaneous vascular tone elicited by stimulation of amygdala and hypothalamus in rabbits. <i>Brain Research</i> , 2001 , 891, 130-7	3.7	48
85	Correlating reaction time and nausea measures with traditional measures of cybersickness. <i>Displays</i> , 2017 , 48, 1-8	3.4	44
84	Cardiorespiratory phase-coupling is reduced in patients with obstructive sleep apnea. <i>PLoS ONE</i> , 2010 , 5, e10602	3.7	44
83	Reflexly evoked coactivation of cardiac vagal and sympathetic motor outflows: observations and functional implications. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 1245-50	3	44
82	Selective blockade of 5-HT _{2A} receptors attenuates the increased temperature response in brown adipose tissue to restraint stress in rats. <i>Stress</i> , 2008 , 11, 125-33	3	41
81	Central 5-HT receptors in cardiovascular control during stress. <i>Neuroscience and Biobehavioral Reviews</i> , 2009 , 33, 95-106	9	40
80	Spinal 5-HT _{2A} receptors regulate cutaneous sympathetic vasomotor outflow in rabbits and rats; relevance for cutaneous vasoconstriction elicited by MDMA (3,4-methylenedioxyamphetamine, "Ecstasy") and its reversal by clozapine. <i>Brain Research</i> , 2004 , 1014, 34-44	3.7	40
79	Different patterns of respiration in rat lines selectively bred for high or low anxiety. <i>PLoS ONE</i> , 2013 , 8, e64519	3.7	40
78	Structural and electrical myocardial remodeling in a rodent model of depression. <i>Psychosomatic Medicine</i> , 2013 , 75, 42-51	3.7	39
77	Motion sickness, nausea and thermoregulation: The "toxic" hypothesis. <i>Temperature</i> , 2014 , 1, 164-71	5.2	37
76	Animal models of psychogenic cardiovascular disorders: what we can learn from them and what we cannot. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 115-25	3	37
75	Variability of QT interval duration in obstructive sleep apnea: an indicator of disease severity. <i>Sleep</i> , 2008 , 31, 959-66	1.1	37
74	Emotional stress and sympathetic activity: contribution of dorsomedial hypothalamus to cardiac arrhythmias. <i>Brain Research</i> , 2014 , 1554, 49-58	3.7	36
73	Quantification of cardiorespiratory interactions based on joint symbolic dynamics. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 2604-14	4.7	36
72	Tail artery blood flow measured by chronically implanted Doppler ultrasonic probes in unrestrained conscious rats. <i>Journal of Neuroscience Methods</i> , 2001 , 104, 209-13	3	36
71	Functional asymmetry in the descending cardiovascular pathways from dorsomedial hypothalamic nucleus. <i>Neuroscience</i> , 2009 , 164, 1360-8	3.9	34
70	Ability of predator odour exposure to elicit conditioned versus sensitised post traumatic stress disorder-like behaviours, and forebrain deltaFosB expression, in rats. <i>Neuroscience</i> , 2010 , 169, 733-42	3.9	32
69	Activation of 5-HT _{1A} receptors attenuates tachycardia induced by restraint stress in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R132-41	3.2	32

68	Electrocardiographic changes associated with the nasopharyngeal reflex in conscious rabbits: vago-sympathetic co-activation. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2003 , 105, 101-4	2.4	32
67	Intra-amygdala injection of GABAA agonist, muscimol, reduces tachycardia and modifies cardiac sympatho-vagal balance during restraint stress in rats. <i>Neuroscience</i> , 2007 , 148, 335-41	3.9	31
66	Effects of visual flow direction on signs and symptoms of cybersickness. <i>PLoS ONE</i> , 2017 , 12, e0182790	3.7	30
65	Thermoregulatory correlates of nausea in rats and musk shrews. <i>Oncotarget</i> , 2014 , 5, 1565-75	3.3	28
64	Stress-induced susceptibility to sudden cardiac death in mice with altered serotonin homeostasis. <i>PLoS ONE</i> , 2012 , 7, e41184	3.7	27
63	Semicircular canal modeling in human perception. <i>Reviews in the Neurosciences</i> , 2017 , 28, 537-549	4.7	26
62	Medullary projections of rabbit carotid sinus nerve. <i>Brain Research</i> , 1999 , 816, 405-10	3.7	26
61	The involvement of TRPV1 in emesis and anti-emesis. <i>Temperature</i> , 2015 , 2, 258-76	5.2	25
60	Amygdala mediates respiratory responses to sudden arousing stimuli and to restraint stress in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 306, R951-9	3.2	25
59	Electrophysiological evidence for putative subtypes of neurotensin receptors in guinea-pig mesencephalic dopaminergic neurons. <i>Neuroscience</i> , 1998 , 86, 799-811	3.9	24
58	Cardiac changes during arousals from non-REM sleep in healthy volunteers. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 292, R1320-7	3.2	24
57	Ventricular arrhythmias triggered by alerting stimuli in conscious rabbits pre-treated with dofetilide. <i>Basic Research in Cardiology</i> , 2004 , 99, 142-51	11.8	22
56	Asymmetry in the control of cardiac performance by dorsomedial hypothalamus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R664-74	3.2	21
55	Longitudinal changes in QT interval variability and rate adaptation in pregnancies with normal and abnormal uterine perfusion. <i>Hypertension Research</i> , 2010 , 33, 555-60	4.7	21
54	Arousal in obstructive sleep apnoea patients is associated with ECG RR and QT interval shortening and PR interval lengthening. <i>Journal of Sleep Research</i> , 2009 , 18, 188-95	5.8	19
53	Potential role of medullary raphe-spinal neurons in cutaneous vasoconstriction: an in vivo electrophysiological study. <i>Journal of Neurophysiology</i> , 2002 , 87, 901-11	3.2	19
52	Heartbeat evoked potentials during sleep and daytime behavior in children with sleep-disordered breathing. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 1149-57	10.2	18
51	Synchronous changes in ear and tail blood flow following salient and noxious stimuli in rabbits. <i>Brain Research</i> , 1999 , 847, 343-6	3.7	18

50	Provocative motion causes fall in brain temperature and affects sleep in rats. <i>Experimental Brain Research</i> , 2014 , 232, 2591-9	2.3	17
49	Low vagally-mediated heart rate variability and increased susceptibility to ventricular arrhythmias in rats bred for high anxiety. <i>Physiology and Behavior</i> , 2014 , 128, 16-25	3.5	17
48	Cardiac repolarization variability in patients with postural tachycardia syndrome during graded head-up tilt. <i>Clinical Neurophysiology</i> , 2011 , 122, 405-9	4.3	17
47	5-HT(1A) receptors in stress-induced cardiac changes: a possible link between mental and cardiac disorders. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 1259-64	3	17
46	Alpha-9 nicotinic acetylcholine receptors mediate hypothermic responses elicited by provocative motion in mice. <i>Physiology and Behavior</i> , 2017 , 174, 114-119	3.5	16
45	Blockade of the dorsomedial hypothalamus and the perifornical area inhibits respiratory responses to arousing and stressful stimuli. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R816-22	3.2	16
44	Cybersickness-related changes in brain hemodynamics: A pilot study comparing transcranial Doppler and near-infrared spectroscopy assessments during a virtual ride on a roller coaster. <i>Physiology and Behavior</i> , 2018 , 191, 56-64	3.5	16
43	Respiratory patterns reflect different levels of aggressiveness and emotionality in Wild-type Groningen rats. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 204, 28-35	2.8	16
42	Blockade of 5-HT2A receptors suppresses hyperthermic but not cardiovascular responses to psychosocial stress in rats. <i>Neuroscience</i> , 2009 , 159, 1185-91	3.9	16
41	Synchronized activation of sympathetic vasomotor, cardiac, and respiratory outputs by neurons in the midbrain colliculi. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R599-610	3.2	16
40	Does exposure to chronic stress influence blood pressure in rats?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013 , 177, 217-23	2.4	15
39	Activation of peripheral chemoreceptors causes positive inotropic effects in a working heart-brainstem preparation of the rat. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007 , 34, 1156-9	3	15
38	Control of cardiac contractility in the rat working heart-brainstem preparation. <i>Experimental Physiology</i> , 2010 , 95, 107-19	2.4	14
37	Brain Activation by H Antihistamines Challenges Conventional View of Their Mechanism of Action in Motion Sickness: A Behavioral, c-Fos and Physiological Study in (House Musk Shrew). <i>Frontiers in Physiology</i> , 2017 , 8, 412	4.6	13
36	Pharmacological inhibition of FAAH activity in rodents: A promising pharmacological approach for psychological-cardiac comorbidity?. <i>Neuroscience and Biobehavioral Reviews</i> , 2017 , 74, 444-452	9	12
35	Habituation of the electrodermal response - A biological correlate of resilience?. <i>PLoS ONE</i> , 2019 , 14, e0210078	3.7	12
34	8-OH-DPAT prevents cardiac arrhythmias and attenuates tachycardia during social stress in rats. <i>Physiology and Behavior</i> , 2009 , 96, 320-7	3.5	12
33	Assessment of fear and anxiety associated behaviors, physiology and neural circuits in rats with reduced serotonin transporter (SERT) levels. <i>Translational Psychiatry</i> , 2019 , 9, 33	8.6	11

32	Respiratory component of the orienting reflex: a novel sensitive index of sensory-induced arousal in rats. <i>Frontiers in Physiology</i> , 2011 , 2, 114	4.6	11
31	Control of cardiac rate, contractility, and atrioventricular conduction by medullary raphe neurons in anesthetized rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H318-24	5.2	10
30	Metyrapone and fluoxetine suppress enduring behavioral but not cardiac effects of subchronic stress in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011 , 301, R1123-31	3.2	10
29	CRF1 receptor antagonist CP-154,526 reduces cardiovascular responses during acute psychological stress in rabbits. <i>Brain Research</i> , 2004 , 1017, 234-7	3.7	10
28	CRF1-receptor antagonist CP-154526 reduces alerting-related cutaneous vasoconstriction in conscious rabbits. <i>Neuroscience</i> , 2003 , 117, 129-38	3.9	10
27	Effect of respiration on heartbeat-evoked potentials during sleep in children with sleep-disordered breathing. <i>Sleep Medicine</i> , 2015 , 16, 665-7	4.6	8
26	Involvement of GABAergic and Adrenergic Neurotransmissions on Paraventricular Nucleus of Hypothalamus in the Control of Cardiac Function. <i>Frontiers in Physiology</i> , 2018 , 9, 670	4.6	8
25	Cutaneous vascular bed is not involved in arterial pressure changes elicited by increasing or decreasing the activity of inhibitory vasomotor neurons in caudal ventrolateral medulla in rabbits. <i>Neuroscience Letters</i> , 2000 , 290, 141-4	3.3	8
24	A chimeric glutamate receptor subunit: discrete changes modify the properties of the channel. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 177, 1183-7	3.4	8
23	Prelimbic prefrontal cortex mediates respiratory responses to mild and potent prolonged, but not brief, stressors. <i>Respiratory Physiology and Neurobiology</i> , 2014 , 204, 21-7	2.8	7
22	Voluntary exercise does not affect stress-induced tachycardia, but improves resistance to cardiac arrhythmias in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 19-26	3	7
21	Excitatory amino acid receptors mediate asymmetry and lateralization in the descending cardiovascular pathways from the dorsomedial hypothalamus. <i>PLoS ONE</i> , 2014 , 9, e112412	3.7	7
20	Ondansetron and promethazine have differential effects on hypothermic responses to lithium chloride administration and to provocative motion in rats. <i>Temperature</i> , 2015 , 2, 543-53	5.2	6
19	Ondansetron prevents changes in respiratory pattern provoked by LiCl: a new approach for studying pro-emetic states in rodents?. <i>Neuroscience</i> , 2013 , 246, 342-50	3.9	5
18	Excitatory amino acid receptors in the dorsomedial hypothalamic area contribute to the chemoreflex tachypneic response. <i>Respiratory Physiology and Neurobiology</i> , 2015 , 212-214, 1-8	2.8	4
17	Cardiorespiratory effects induced by 2-nitrate-1,3-dibuthoxypropan are reduced by nitric oxide scavenger in rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2014 , 181, 31-6	2.4	4
16	Thermoregulation and nausea. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018 , 156, 445-456	3	4
15	Cissampelos sympodialis and Warifteine Suppress Anxiety-Like Symptoms and Allergic Airway Inflammation in Acute Murine Asthma Model. <i>Revista Brasileira De Farmacognosia</i> , 2020 , 30, 224-232	2	3

14	Integrity of the dorsolateral periaqueductal grey is essential for the fight-or-flight response, but not the respiratory component of a defense reaction. <i>Respiratory Physiology and Neurobiology</i> , 2016 , 226, 94-101	2.8	3
13	Cross-coupling vestibular stimulation: motion sickness and the vestibulo-sympathetic reflex. <i>Journal of Neurology</i> , 2017 , 264, 96-103	5.5	3
12	Time delay correction of the synchrogram for optimized detection of cardiorespiratory coordination. <i>Medical and Biological Engineering and Computing</i> , 2011 , 49, 1249-59	3.1	3
11	Anti-asthmatic and anxiolytic effects of , a Brazilian medicinal plant. <i>Immunity, Inflammation and Disease</i> , 2016 , 4, 201-212	2.4	3
10	Impact of movement on cardiorespiratory coordination in conscious rats. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 1938-41	0.9	2
9	Tachycardia during fever: is it neural or humoral?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R1750; author reply R1751	3.2	2
8	DORSOMEDIAL HYPOTHALAMUS AND MEDULLARY RAPHE MEDIATE RESPIRATORY AROUSAL RESPONSES IN RATS. <i>FASEB Journal</i> , 2010 , 24,	0.9	2
7	Resveratrol restores uterine contractions during hypoxia by blockade of ATP-sensitive potassium channels. <i>Journal of Functional Foods</i> , 2017 , 33, 307-313	5.1	1
6	Autonomic changes induced by provocative motion in rats bred for high (HAB) and low (LAB) anxiety-related behavior: Paradoxical responses in LAB animals. <i>Physiology and Behavior</i> , 2016 , 167, 363-373	3.5	1
5	Isoflurane increases cardiorespiratory coordination in rats 2008 ,		1
4	Development of a modular stress management platform (Performance Edge VR) and a pilot efficacy trial of a bio-feedback enhanced training module for controlled breathing. <i>PLoS ONE</i> , 2021 , 16, e0245068	3.7	1
3	Selective blockade of 5-HT _{2A} receptors suppresses hyperthermic but not cardiovascular responses elicited by social defeat in rats. <i>FASEB Journal</i> , 2008 , 22, 739.13	0.9	
2	Animal Models of Psychogenic Cardiovascular Disorders 2015 , 1-24		
1	Animal Models of Psychogenic Cardiovascular Disorders 2016 , 873-896		