

Vaughan G Macefield

List of Publications by Year in Descending Order

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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.

218
papers

5,492
citations

40
h-index

63
g-index

247
ext. papers

6,306
ext. citations

3.9
avg, IF

6.22
L-index

#	Paper	IF	Citations
218	Alterations in pain processing circuitries in episodic migraine.. <i>Journal of Headache and Pain</i> , 2022 , 23, 9	8.8	0
217	Stimulation of the dorsolateral prefrontal cortex modulates muscle sympathetic nerve activity and blood pressure in humans.. <i>Cerebral Cortex Communications</i> , 2022 , 3, tgac017	1.9	0
216	The Role of Central Command in the Increase in Muscle Sympathetic Nerve Activity to Contracting Muscle During High Intensity Isometric Exercise.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 770072	5.1	
215	Association of Short-term Heart Rate Variability and Sudden Unexpected Death in Epilepsy. <i>Neurology</i> , 2021 ,	6.5	4
214	Brainstem Mechanisms of Pain Modulation: A within-Subjects 7T fMRI Study of Placebo Analgesic and Nocebo Hyperalgesic Responses. <i>Journal of Neuroscience</i> , 2021 , 41, 9794-9806	6.6	4
213	Be still my heart: Cardiac regulation as a mode of uncertainty reduction. <i>Psychonomic Bulletin and Review</i> , 2021 , 28, 1211-1223	4.1	3
212	Exercise oscillatory ventilation during autonomic blockade in young athletes and healthy controls. <i>European Journal of Applied Physiology</i> , 2021 , 121, 2499-2507	3.4	0
211	Acute Exposure to Diesel Exhaust Increases Muscle Sympathetic Nerve Activity in Humans. <i>Journal of the American Heart Association</i> , 2021 , 10, e018448	6	7
210	The roles of mechanoreceptors in muscle and skin in human proprioception. <i>Current Opinion in Physiology</i> , 2021 , 21, 48-56	2.6	3
209	Recording and quantifying sympathetic outflow to muscle and skin in humans: methods, caveats and challenges. <i>Clinical Autonomic Research</i> , 2021 , 31, 59-75	4.3	11
208	The role of the dorsomedial and ventromedial hypothalamus in regulating behaviorally coupled and resting autonomic drive. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2021 , 180, 187-200	3	2
207	Brainstem functional oscillations across the migraine cycle: A longitudinal investigation. <i>NeuroImage: Clinical</i> , 2021 , 30, 102630	5.3	4
206	Altered cardiac structure and function is related to seizure frequency in a rat model of chronic acquired temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2021 , 159, 105505	7.5	1
205	Elbow proprioception is normal in patients with a congenital absence of functional muscle spindles. <i>Journal of Physiology</i> , 2020 , 598, 3521-3529	3.9	5
204	Microstructural changes in the trigeminal nerve of patients with episodic migraine assessed using magnetic resonance imaging. <i>Journal of Headache and Pain</i> , 2020 , 21, 59	8.8	6
203	In vivo recordings from the human vagus nerve using ultrasound-guided microneurography. <i>Journal of Physiology</i> , 2020 , 598, 3569-3576	3.9	20
202	Altered regional cerebral blood flow and hypothalamic connectivity immediately prior to a migraine headache. <i>Cephalalgia</i> , 2020 , 40, 448-460	6.1	11

201	Cardiorespiratory and autonomic function in epileptic seizures: A video-EEG monitoring study. <i>Epilepsy and Behavior</i> , 2020 , 111, 107271	3.2	10
200	Differences in regional grey matter volume of the brain are related to mean blood pressure and muscle sympathetic nerve activity in normotensive humans. <i>Journal of Hypertension</i> , 2020 , 38, 303-313	1.9	3
199	Hall technique crowns and children's masseter muscle activity: A surface electromyography pilot study. <i>International Journal of Paediatric Dentistry</i> , 2020 , 30, 303-313	3.1	7
198	Vestibular modulation of skin sympathetic nerve activity in sopite syndrome induced by low-frequency sinusoidal motion. <i>Journal of Neurophysiology</i> , 2020 , 124, 1551-1559	3.2	1
197	Addressing Gender Equity in Senior Leadership Roles in Translational Science. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 773-779	5.9	0
196	Recent advances in exercise pressor reflex function in health and disease. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2020 , 228, 102698	2.4	15
195	Identification of the human sympathetic connectome involved in blood pressure regulation. <i>NeuroImage</i> , 2019 , 202, 116119	7.9	19
194	Acid-sensing ion channels blockade attenuates pressor and sympathetic responses to skeletal muscle metaboreflex activation in humans. <i>Journal of Applied Physiology</i> , 2019 , 127, 1491-1501	3.7	6
193	A Comparison of Muscle Sympathetic Nerve Activity to Non-contracting Muscle During Isometric Exercise in the Upper and Lower Limbs. <i>Frontiers in Neuroscience</i> , 2019 , 13, 341	5.1	4
192	Vestibular modulation of muscle sympathetic nerve activity assessed over a 100-fold frequency range of sinusoidal galvanic vestibular stimulation. <i>Journal of Neurophysiology</i> , 2019 , 121, 1644-1649	3.2	2
191	Central command increases muscle sympathetic nerve activity more to contracting than noncontracting muscle during rhythmic isotonic leg exercise. <i>Journal of Neurophysiology</i> , 2019 , 121, 1704-1710 ³	2.2	3
190	Effects of tonic muscle pain on fusimotor control of human muscle spindles during isometric ankle dorsiflexion. <i>Journal of Neurophysiology</i> , 2019 , 121, 1143-1149	3.2	4
189	Identifying Increases in Activity of the Human RVLM Through MSNA-Coupled fMRI. <i>Frontiers in Neuroscience</i> , 2019 , 13, 1369	5.1	3
188	Changes in skin blood flow, respiration and blood pressure in participants reporting motion sickness during sinusoidal galvanic vestibular stimulation. <i>Experimental Physiology</i> , 2019 , 104, 1622-1629 ^{2,4}	2.4	6
187	Fluctuating Regional Brainstem Diffusion Imaging Measures of Microstructure across the Migraine Cycle. <i>ENeuro</i> , 2019 , 6,	3.9	12
186	Tactile sensory channels over-ruled by frequency decoding system that utilizes spike pattern regardless of receptor type. <i>ELife</i> , 2019 , 8,	8.9	10
185	Sympathetic baroreflex sensitivity is inversely related to vascular transduction in men but not women. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1203-H1209	5.2	15
184	Resting regional brain activity and connectivity vary with resting blood pressure but not muscle sympathetic nerve activity in normotensive humans: An exploratory study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 2433-2444	7.3	3

183	Muscle sympathetic nerve activity and hemodynamic responses to venous distension: does sex play a role?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 316, H734-H742	5.2	7
182	Firing properties of muscle spindles supplying the intrinsic foot muscles of humans in unloaded and freestanding conditions. <i>Journal of Neurophysiology</i> , 2019 , 121, 74-84	3.2	11
181	Deep in the brain: Changes in subcortical function immediately preceding a migraine attack. <i>Human Brain Mapping</i> , 2018 , 39, 2651-2663	5.9	34
180	Muscle sympathetic nerve activity-coupled changes in brain activity during sustained muscle pain. <i>Brain and Behavior</i> , 2018 , 8, e00888	3.4	10
179	The relationship between thalamic GABA content and resting cortical rhythm in neuropathic pain. <i>Human Brain Mapping</i> , 2018 , 39, 1945-1956	5.9	18
178	The metaboreflex does not contribute to the increase in muscle sympathetic nerve activity to contracting muscle during static exercise in humans. <i>Journal of Physiology</i> , 2018 , 596, 1091-1102	3.9	15
177	The effects of audiovisual distraction on the muscle sympathetic responses to experimental muscle pain. <i>Experimental Brain Research</i> , 2018 , 236, 1919-1925	2.3	
176	Altered brainstem anatomy in migraine. <i>Cephalalgia</i> , 2018 , 38, 476-486	6.1	28
175	Autonomic dysreflexia: Somatosympathetic and viscerosympathetic vasoconstrictor responses to innocuous and noxious sensory stimulation below lesion in human spinal cord injury. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2018 , 209, 71-78	2.4	12
174	Functional properties of human muscle spindles. <i>Journal of Neurophysiology</i> , 2018 , 120, 452-467	3.2	48
173	The Stability and Repeatability of Spontaneous Sympathetic Baroreflex Sensitivity in Healthy Young Individuals. <i>Frontiers in Neuroscience</i> , 2018 , 12, 403	5.1	5
172	Microneurography from the posterior tibial nerve: a novel method of recording activity from the foot in freely standing humans. <i>Journal of Neurophysiology</i> , 2018 , 120, 953-959	3.2	8
171	Neck movement but not neck position modulates skin sympathetic nerve activity supplying the lower limbs of humans. <i>Journal of Neurophysiology</i> , 2018 , 119, 1283-1290	3.2	
170	Relationship Between Sympathetic Baroreflex Sensitivity And Vascular Transduction. <i>FASEB Journal</i> , 2018 , 32, lb463	0.9	
169	Founder mutation in IKBKAP gene causes vestibular impairment in familial dysautonomia. <i>Clinical Neurophysiology</i> , 2018 , 129, 390-396	4.3	3
168	Physiological and pathophysiological firing properties of single postganglionic sympathetic neurons in humans. <i>Journal of Neurophysiology</i> , 2018 , 119, 944-956	3.2	23
167	Blood pressure reactivity at onset of mental stress determines sympathetic vascular response in young adults. <i>Physiological Reports</i> , 2018 , 6, e13944	2.6	6
166	Random-amplitude sinusoidal linear acceleration causes greater vestibular modulation of skin sympathetic nerve activity than constant-amplitude acceleration. <i>Experimental Brain Research</i> , 2018 , 236, 2619-2626	2.3	1

165	Changes in Brainstem Pain Modulation Circuitry Function over the Migraine Cycle. <i>Journal of Neuroscience</i> , 2018 , 38, 10479-10488	6.6	40
164	Impaired sensorimotor control of the hand in congenital absence of functional muscle spindles. <i>Journal of Neurophysiology</i> , 2018 , 120, 2788-2795	3.2	7
163	Asymmetric sympathetic output: The dorsomedial hypothalamus as a potential link between emotional stress and cardiac arrhythmias. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017 , 207, 22-27	2.4	16
162	Comparison of the ballistic contractile responses generated during microstimulation of single human motor axons with brief irregular and regular stimuli. <i>Muscle and Nerve</i> , 2017 , 56, 292-297	3.4	
161	Muscle spindles in human tibialis anterior encode muscle fascicle length changes. <i>Journal of Neurophysiology</i> , 2017 , 117, 1489-1498	3.2	26
160	Microstimulation of single human motor axons in the toe extensors: force production during long-lasting trains of irregular and regular stimuli. <i>Physiological Reports</i> , 2017 , 5, e13067	2.6	3
159	Grey matter volume in adolescents with anorexia nervosa and associated eating disorder symptoms. <i>European Journal of Neuroscience</i> , 2017 , 46, 2297-2307	3.5	21
158	Muscle sympathetic nerve activity peaks in the first trimester in healthy pregnancy: a longitudinal case study. <i>Clinical Autonomic Research</i> , 2017 , 27, 401-406	4.3	12
157	Intramuscular stimulation of tibialis anterior in human subjects: the effects of discharge variability on force production and fatigue. <i>Physiological Reports</i> , 2017 , 5, e13326	2.6	3
156	Central circuitry responsible for the divergent sympathetic responses to tonic muscle pain in humans. <i>Human Brain Mapping</i> , 2017 , 38, 869-881	5.9	9
155	Muscle Sympathetic Nerve Activity Is Associated with Liver Insulin Sensitivity in Obese Non-Diabetic Men. <i>Frontiers in Physiology</i> , 2017 , 8, 101	4.6	3
154	Vestibular Modulation of Sympathetic Nerve Activity to Muscle and Skin in Humans. <i>Frontiers in Neurology</i> , 2017 , 8, 334	4.1	20
153	Pain inhibits pain; human brainstem mechanisms. <i>NeuroImage</i> , 2016 , 124, 54-62	7.9	68
152	Occupant response to wind-excited buildings: a multidisciplinary perspective. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016 , 169, 625-634	0.9	5
151	"Real-time" imaging of cortical and subcortical sites of cardiovascular control: concurrent recordings of sympathetic nerve activity and fMRI in awake subjects. <i>Journal of Neurophysiology</i> , 2016 , 116, 1199-207	3.2	34
150	Superentrainment of muscle sympathetic nerve activity during sinusoidal galvanic vestibular stimulation. <i>Journal of Neurophysiology</i> , 2016 , 116, 2689-2694	3.2	8
149	Obstructive Sleep Apnoea and Hypertension: the Role of the Central Nervous System. <i>Current Hypertension Reports</i> , 2016 , 18, 59	4.7	13
148	The vestibular system does not modulate fusimotor drive to muscle spindles in relaxed leg muscles of subjects in a near-vertical position. <i>Journal of Neurophysiology</i> , 2016 , 115, 2529-35	3.2	4

147	Sympathetic Responses to Noxious Stimulation of Muscle and Skin. <i>Frontiers in Neurology</i> , 2016 , 7, 109	4.1	35
146	Skin Sympathetic Nerve Activity is Modulated during Slow Sinusoidal Linear Displacements in Supine Humans. <i>Frontiers in Neuroscience</i> , 2016 , 10, 39	5.1	2
145	Effects of 12 Months Continuous Positive Airway Pressure on Sympathetic Activity Related Brainstem Function and Structure in Obstructive Sleep Apnea. <i>Frontiers in Neuroscience</i> , 2016 , 10, 90	5.1	31
144	The Effect of Nitric Oxide Inhibition in Spinal Cord Injured Humans with and without Preserved Sympathetic Control of the Vasculature. <i>Frontiers in Neuroscience</i> , 2016 , 10, 95	5.1	1
143	A Review of Control Strategies in Closed-Loop Neuroprosthetic Systems. <i>Frontiers in Neuroscience</i> , 2016 , 10, 312	5.1	32
142	Magnitude of Morning Surge in Blood Pressure Is Associated with Sympathetic but Not Cardiac Baroreflex Sensitivity. <i>Frontiers in Neuroscience</i> , 2016 , 10, 412	5.1	10
141	Contributions of Central Command and Muscle Feedback to Sympathetic Nerve Activity in Contracting Human Skeletal Muscle. <i>Frontiers in Physiology</i> , 2016 , 7, 163	4.6	13
140	Cortical influences on brainstem circuitry responsible for conditioned pain modulation in humans. <i>Human Brain Mapping</i> , 2016 , 37, 2630-44	5.9	48
139	Finding inspiration in high blood pressure. <i>Experimental Physiology</i> , 2016 , 101, 1449-1450	2.4	
138	Increasing cutaneous afferent feedback improves proprioceptive accuracy at the knee in patients with sensory ataxia. <i>Journal of Neurophysiology</i> , 2016 , 115, 711-6	3.2	9
137	Inter-individual responses to experimental muscle pain: Baseline anxiety ratings and attitudes to pain do not determine the direction of the sympathetic response to tonic muscle pain in humans. <i>International Journal of Psychophysiology</i> , 2016 , 104, 17-23	2.9	5
136	Rate of rise in diastolic blood pressure influences vascular sympathetic response to mental stress. <i>Journal of Physiology</i> , 2016 , 594, 7465-7482	3.9	22
135	Susceptibility to motion sickness is not increased following spinal cord injury. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2015 , 25, 35-9	2.5	3
134	Short-term peripheral nerve stimulation ameliorates axonal dysfunction after spinal cord injury. <i>Journal of Neurophysiology</i> , 2015 , 113, 3209-18	3.2	18
133	Decoding force from multiunit recordings from the median nerve 2015 ,		2
132	Reversal of functional changes in the brain associated with obstructive sleep apnoea following 6 months of CPAP. <i>NeuroImage: Clinical</i> , 2015 , 7, 799-806	5.3	22
131	Motion sickness is associated with an increase in vestibular modulation of skin but not muscle sympathetic nerve activity. <i>Experimental Brain Research</i> , 2015 , 233, 2433-40	2.3	7
130	Relationship between spontaneous sympathetic baroreflex sensitivity and cardiac baroreflex sensitivity in healthy young individuals. <i>Physiological Reports</i> , 2015 , 3, e12536	2.6	28

129	Comparison of contractile responses of single human motor units in the toe extensors during unloaded and loaded isotonic and isometric conditions. <i>Journal of Neurophysiology</i> , 2015 , 114, 1083-9	3.2	4
128	Baroreflex modulation of muscle sympathetic nerve activity at rest does not differ between morning and afternoon. <i>Frontiers in Neuroscience</i> , 2015 , 9, 312	5.1	8
127	Inter-Individual Responses to Experimental Muscle Pain: Baseline Physiological Parameters Do Not Determine Whether Muscle Sympathetic Nerve Activity Increases or Decreases During Pain. <i>Frontiers in Neuroscience</i> , 2015 , 9, 471	5.1	12
126	Brain stem activity changes associated with restored sympathetic drive following CPAP treatment in OSA subjects: a longitudinal investigation. <i>Journal of Neurophysiology</i> , 2015 , 114, 893-901	3.2	21
125	Effects of changing skin mechanics on the differential sensitivity to surface compliance by tactile afferents in the human finger pad. <i>Journal of Neurophysiology</i> , 2015 , 114, 2249-57	3.2	11
124	Autonomic responses to exercise: cortical and subcortical responses during post-exercise ischaemia and muscle pain. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015 , 188, 10-8	2.4	18
123	Vestibular modulation of muscle sympathetic nerve activity by the utricle during sub-perceptual sinusoidal linear acceleration in humans. <i>Experimental Brain Research</i> , 2014 , 232, 1379-88	2.3	12
122	Consistent interindividual increases or decreases in muscle sympathetic nerve activity during experimental muscle pain. <i>Experimental Brain Research</i> , 2014 , 232, 1309-15	2.3	14
121	Functional and structural changes in the brain associated with the increase in muscle sympathetic nerve activity in obstructive sleep apnoea. <i>NeuroImage: Clinical</i> , 2014 , 6, 275-83	5.3	58
120	Single tactile afferents outperform human subjects in a vibrotactile intensity discrimination task. <i>Journal of Neurophysiology</i> , 2014 , 112, 2382-7	3.2	4
119	Brainstem changes associated with increased muscle sympathetic drive in obstructive sleep apnoea. <i>NeuroImage</i> , 2014 , 103, 258-266	7.9	36
118	Neck proprioceptors contribute to the modulation of muscle sympathetic nerve activity to the lower limbs of humans. <i>Experimental Brain Research</i> , 2014 , 232, 2263-71	2.3	6
117	Differential sensitivity to surface compliance by tactile afferents in the human finger pad. <i>Journal of Neurophysiology</i> , 2014 , 111, 1308-17	3.2	15
116	Vestibulo-sympathetic responses. <i>Comprehensive Physiology</i> , 2014 , 4, 851-87	7.7	92
115	Vestibular modulation of muscle sympathetic nerve activity during sinusoidal linear acceleration in supine humans. <i>Frontiers in Neuroscience</i> , 2014 , 8, 316	5.1	9
114	Comparison of the contractile responses to irregular and regular trains of stimuli during microstimulation of single human motor axons. <i>Journal of Neurophysiology</i> , 2014 , 111, 1499-506	3.2	5
113	Sympathetic single axonal discharge after spinal cord injury in humans: activity at rest and after bladder stimulation. <i>Spinal Cord</i> , 2014 , 52, 434-8	2.7	6
112	Skin sympathetic nerve activity in humans during exposure to emotionally-charged images: sex differences. <i>Frontiers in Physiology</i> , 2014 , 5, 111	4.6	17

111	Effect of contraction intensity on sympathetic nerve activity to active human skeletal muscle. <i>Frontiers in Physiology</i> , 2014 , 5, 194	4.6	14
110	Tactile afferents encode grip safety before slip for different frictions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 4123-6	0.9	9
109	Respiratory modulation of muscle sympathetic nerve activity in obstructive sleep apnoea. <i>Experimental Physiology</i> , 2014 , 99, 1288-98	2.4	25
108	Disturbances in affective touch in hereditary sensory & autonomic neuropathy type III. <i>International Journal of Psychophysiology</i> , 2014 , 93, 56-61	2.9	18
107	Modulation of muscle sympathetic nerve activity by low-frequency physiological activation of the vestibular utricle in awake humans. <i>Experimental Brain Research</i> , 2013 , 230, 137-42	2.3	15
106	The vestibular system does not modulate fusimotor drive to muscle spindles in contracting leg muscles of seated subjects. <i>Experimental Brain Research</i> , 2013 , 227, 175-83	2.3	6
105	Real-time imaging of brain areas involved in the generation of spontaneous skin sympathetic nerve activity at rest. <i>NeuroImage</i> , 2013 , 74, 188-94	7.9	27
104	Cardiorespiratory coupling of sympathetic outflow in humans: a comparison of respiratory and cardiac modulation of sympathetic nerve activity to skin and muscle. <i>Experimental Physiology</i> , 2013 , 98, 1327-36	2.4	27
103	Proximally applied subsensory electrical noise stimulation reduces variance in action potential timing and enhances sensory perception 2013 ,		3
102	Inhibition of augmented muscle vasoconstrictor drive following asphyxic apnoea in awake human subjects is not affected by relief of chemical drive. <i>Experimental Physiology</i> , 2013 , 98, 405-14	2.4	9
101	Real-time imaging of cortical and subcortical control of muscle sympathetic nerve activity in awake human subjects. <i>NeuroImage</i> , 2013 , 70, 59-65	7.9	45
100	Identification of sites of sympathetic outflow at rest and during emotional arousal: concurrent recordings of sympathetic nerve activity and fMRI of the brain. <i>International Journal of Psychophysiology</i> , 2013 , 89, 451-9	2.9	41
99	Discharge rates and discharge variability of muscle spindle afferents in human chronic spinal cord injury. <i>Clinical Neurophysiology</i> , 2013 , 124, 114-9	4.3	16
98	Cardiac-locked bursts of muscle sympathetic nerve activity are absent in familial dysautonomia. <i>Journal of Physiology</i> , 2013 , 591, 689-700	3.9	16
97	Viscerosympathetic reflexes in human spinal cord injury: relationships between detrusor pressure, blood pressure and skin blood flow during bladder distension. <i>Experimental Physiology</i> , 2013 , 98, 1081-91	2.4	7
96	Tonic muscle pain does not increase fusimotor drive to human leg muscles: implications for chronic muscle pain. <i>Experimental Physiology</i> , 2013 , 98, 1125-32	2.4	12
95	Sympathetic microneurography. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 117, 353-64	3	38
94	Relationship between proprioception at the knee joint and gait ataxia in HSAN III. <i>Movement Disorders</i> , 2013 , 28, 823-7	7	17

93	Functional Imaging of the Human Brainstem during Somatosensory Input and Autonomic Output. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 569	3.3	12
92	Individual differences in the cardiovascular responses to tonic muscle pain: parallel increases or decreases in muscle sympathetic nerve activity, blood pressure and heart rate. <i>Experimental Physiology</i> , 2012 , 97, 1084-92	2.4	38
91	Cardiovascular variability in Parkinson's disease and extrapyramidal motor slowing. <i>Clinical Autonomic Research</i> , 2012 , 22, 191-6	4.3	13
90	Real-time imaging of cortical areas involved in the generation of increases in skin sympathetic nerve activity when viewing emotionally charged images. <i>NeuroImage</i> , 2012 , 62, 30-40	7.9	31
89	Predicting the spatiotemporal expression of local and referred acute muscle pain in individual subjects. <i>Experimental Brain Research</i> , 2012 , 223, 11-8	2.3	3
88	Evidence from bilateral recordings of sympathetic nerve activity for lateralisation of vestibular contributions to cardiovascular control. <i>Experimental Brain Research</i> , 2012 , 221, 427-36	2.3	18
87	Biphasic effects of tonic stimulation of muscle nociceptors on skin sympathetic nerve activity in human subjects. <i>Experimental Brain Research</i> , 2012 , 221, 107-14	2.3	8
86	Autonomic Neuroscience: articles of interest appearing in other Frontiers journals. <i>Frontiers in Neuroscience</i> , 2012 , 6, 184	5.1	
85	Imaging of Brainstem Sites Involved in Cardiovascular Control 2012 , 13-16		1
84	Spontaneous fluctuations in the peripheral photoplethysmographic waveform: roles of arterial pressure and muscle sympathetic nerve activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H826-36	5.2	20
83	Functional imaging of the brainstem and cortical sites of autonomic control in human subjects. <i>Anatomical Record</i> , 2012 , 295, 1373-4	2.1	
82	Identification of sites of sympathetic outflow during concurrent recordings of sympathetic nerve activity and fMRI. <i>Anatomical Record</i> , 2012 , 295, 1396-403	2.1	20
81	Low-frequency galvanic vestibular stimulation evokes two peaks of modulation in skin sympathetic nerve activity. <i>Experimental Brain Research</i> , 2012 , 219, 441-6	2.3	31
80	Low-frequency physiological activation of the vestibular utricle causes biphasic modulation of skin sympathetic nerve activity in humans. <i>Experimental Brain Research</i> , 2012 , 220, 101-8	2.3	17
79	Autonomic markers of emotional processing: skin sympathetic nerve activity in humans during exposure to emotionally charged images. <i>Frontiers in Physiology</i> , 2012 , 3, 394	4.6	27
78	Firing patterns of muscle vasoconstrictor neurons in respiratory disease. <i>Frontiers in Physiology</i> , 2012 , 3, 153	4.6	14
77	Somatosympathetic Vasoconstrictor Reflexes in Human Spinal Cord Injury: Responses to Innocuous and Noxious Sensory Stimulation below Lesion. <i>Frontiers in Physiology</i> , 2012 , 3, 215	4.6	8
76	Joint symbolic dynamics as a model-free approach to study interdependence in cardio-respiratory time series. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3680-3	0.9	2

75	Modulation of human muscle spindle discharge by arterial pulsations--functional effects and consequences. <i>PLoS ONE</i> , 2012 , 7, e35091	3.7	16
74	On the number of preganglionic neurons driving human postganglionic sympathetic neurons: a comparison of modeling and empirical data. <i>Frontiers in Neuroscience</i> , 2011 , 5, 132	5.1	3
73	Respiratory modulation of muscle sympathetic nerve activity is not increased in essential hypertension or chronic obstructive pulmonary disease. <i>Journal of Physiology</i> , 2011 , 589, 4997-5006	3.9	33
72	Allodynia mediated by C-tactile afferents in human hairy skin. <i>Journal of Physiology</i> , 2011 , 589, 4065-75	3.9	50
71	Low-frequency sinusoidal galvanic stimulation of the left and right vestibular nerves reveals two peaks of modulation in muscle sympathetic nerve activity. <i>Experimental Brain Research</i> , 2011 , 213, 507-14	3.3	32
70	Within-limb somatotopic representation of acute muscle pain in the human contralateral dorsal posterior insula. <i>Human Brain Mapping</i> , 2011 , 32, 1592-601	5.9	27
69	Can loss of muscle spindle afferents explain the ataxic gait in Riley-Day syndrome?. <i>Brain</i> , 2011 , 134, 3198-208	11.2	48
68	Firing probability and mean firing rates of human muscle vasoconstrictor neurones are elevated during chronic asphyxia. <i>Journal of Physiology</i> , 2010 , 588, 701-12	3.9	31
67	Competitive interactions between vestibular and cardiac rhythms in the modulation of muscle sympathetic nerve activity. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010 , 158, 127-31	2.4	24
66	Changes in the spatiotemporal expression of local and referred pain following repeated intramuscular injections of hypertonic saline: a longitudinal study. <i>Journal of Pain</i> , 2010 , 11, 737-45	5.2	12
65	Cortical and brain stem changes in neural activity during static handgrip and postexercise ischemia in humans. <i>Journal of Applied Physiology</i> , 2010 , 108, 1691-700	3.7	63
64	Real-time imaging of the medullary circuitry involved in the generation of spontaneous muscle sympathetic nerve activity in awake subjects. <i>Human Brain Mapping</i> , 2010 , 31, 539-49	5.9	63
63	Vestibular and pulse-related modulation of skin sympathetic nerve activity during sinusoidal galvanic vestibular stimulation in human subjects. <i>Experimental Brain Research</i> , 2010 , 202, 291-8	2.3	28
62	Slowly adapting mechanoreceptors in the borders of the human fingernail encode fingertip forces. <i>Journal of Neuroscience</i> , 2009 , 29, 9370-9	6.6	47
61	Differential activation of the human trigeminal nuclear complex by noxious and non-noxious orofacial stimulation. <i>Human Brain Mapping</i> , 2009 , 30, 3772-82	5.9	37
60	Input-output relationships of a somatosympathetic reflex in human spinal injury. <i>Clinical Autonomic Research</i> , 2009 , 19, 213-20	4.3	11
59	Developments in autonomic research: a review of the latest literature. <i>Clinical Autonomic Research</i> , 2009 , 19, 193-6	4.3	10
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