

Jane E Butler

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165
papers

6,260
citations

44
h-index

75
g-index

171
ext. papers

6,935
ext. citations

3.9
avg, IF

5.68
L-index

#	Paper	IF	Citations
165	Supraspinal factors in human muscle fatigue: evidence for suboptimal output from the motor cortex. <i>Journal of Physiology</i> , 1996 , 490 (Pt 2), 529-36	3.9	449
164	Changes in motor cortical excitability during human muscle fatigue. <i>Journal of Physiology</i> , 1996 , 490 (Pt 2), 519-28	3.9	254
163	Suppression of EMG activity by transcranial magnetic stimulation in human subjects during walking. <i>Journal of Physiology</i> , 2001 , 537, 651-6	3.9	189
162	Contraction of the human diaphragm during rapid postural adjustments. <i>Journal of Physiology</i> , 1997 , 505 (Pt 2), 539-48	3.9	180
161	Supraspinal fatigue during intermittent maximal voluntary contractions of the human elbow flexors. <i>Journal of Applied Physiology</i> , 2000 , 89, 305-13	3.7	176
160	Hyperthermia: a failure of the motor cortex and the muscle. <i>Journal of Physiology</i> , 2005 , 563, 621-31	3.9	166
159	Impaired response of human motoneurons to corticospinal stimulation after voluntary exercise. <i>Journal of Physiology</i> , 1999 , 521 Pt 3, 749-59	3.9	159
158	Supraspinal fatigue does not explain the sex difference in muscle fatigue of maximal contractions. <i>Journal of Applied Physiology</i> , 2006 , 101, 1036-44	3.7	155
157	Change in length of relaxed muscle fascicles and tendons with knee and ankle movement in humans. <i>Journal of Physiology</i> , 2002 , 539, 637-45	3.9	147
156	Fatigue-sensitive afferents inhibit extensor but not flexor motoneurons in humans. <i>Journal of Neuroscience</i> , 2006 , 26, 4796-802	6.6	142
155	Changes in muscle afferents, motoneurons and motor drive during muscle fatigue. <i>European Journal of Applied Physiology</i> , 2000 , 83, 106-15	3.4	135
154	Responses of human motoneurons to corticospinal stimulation during maximal voluntary contractions and ischemia. <i>Journal of Neuroscience</i> , 2003 , 23, 10224-30	6.6	122
153	Testing the excitability of human motoneurons. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 152	3.3	118
152	Tonic and phasic respiratory drives to human genioglossus motoneurons during breathing. <i>Journal of Neurophysiology</i> , 2006 , 95, 2213-21	3.2	117
151	Effect of contraction strength on responses in biceps brachii and adductor pollicis to transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 1997 , 117, 472-8	2.3	103
150	Motor unit recruitment strategies are altered during deep-tissue pain. <i>Journal of Neuroscience</i> , 2009 , 29, 10820-6	6.6	99
149	Altered responses of human elbow flexors to peripheral-nerve and cortical stimulation during a sustained maximal voluntary contraction. <i>Experimental Brain Research</i> , 1999 , 127, 108-15	2.3	91

148	Respiratory muscle function and activation in chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2009 , 107, 621-9	3.7	88
147	Recovery from supraspinal fatigue is slowed in old adults after fatiguing maximal isometric contractions. <i>Journal of Applied Physiology</i> , 2008 , 105, 1199-209	3.7	84
146	Discharge patterns of human genioglossus motor units during sleep onset. <i>Sleep</i> , 2008 , 31, 525-33	1.1	84
145	Neural drive to human genioglossus in obstructive sleep apnoea. <i>Journal of Physiology</i> , 2007 , 585, 135-46.9		82
144	Drive to the human respiratory muscles. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 159, 115-26	2.8	82
143	Panic attacks and perception of inspiratory resistive loads in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 178, 7-12	10.2	79
142	Differential activation among five human inspiratory motoneuron pools during tidal breathing. <i>Journal of Applied Physiology</i> , 2007 , 102, 772-80	3.7	79
141	Movement of the tongue during normal breathing in awake healthy humans. <i>Journal of Physiology</i> , 2008 , 586, 4283-94	3.9	74
140	Length-dependent changes in voluntary activation, maximum voluntary torque and twitch responses after eccentric damage in humans. <i>Journal of Physiology</i> , 2006 , 571, 243-52	3.9	73
139	The origin of activity in the biceps brachii muscle during voluntary contractions of the contralateral elbow flexor muscles. <i>Experimental Brain Research</i> , 2006 , 175, 526-35	2.3	72
138	Ischaemia after exercise does not reduce responses of human motoneurons to cortical or corticospinal tract stimulation. <i>Journal of Physiology</i> , 2000 , 525 Pt 3, 793-801	3.9	71
137	Tongue and lateral upper airway movement with mandibular advancement. <i>Sleep</i> , 2013 , 36, 397-404	1.1	69
136	Resolving head rotation for human bipedalism. <i>Current Biology</i> , 2006 , 16, 1509-14	6.3	68
135	Respiratory Movement of Upper Airway Tissue in Obstructive Sleep Apnea. <i>Sleep</i> , 2013 , 36, 1069-1076	1.1	65
134	Interaction of transcranial magnetic stimulation and electrical transmastoid stimulation in human subjects. <i>Journal of Physiology</i> , 2002 , 541, 949-58	3.9	65
133	Zopiclone Increases the Arousal Threshold without Impairing Genioglossus Activity in Obstructive Sleep Apnea. <i>Sleep</i> , 2016 , 39, 757-66	1.1	59
132	Accurate and representative decoding of the neural drive to muscles in humans with multi-channel intramuscular thin-film electrodes. <i>Journal of Physiology</i> , 2015 , 593, 3789-804	3.9	59
131	Depression of activity in the corticospinal pathway during human motor behavior after strong voluntary contractions. <i>Journal of Neuroscience</i> , 2003 , 23, 7974-80	6.6	59

130	Fatigue of paralyzed and control thenar muscles induced by variable or constant frequency stimulation. <i>Journal of Neurophysiology</i> , 2003 , 89, 2055-64	3.2	56
129	Spatial distribution of inspiratory drive to the parasternal intercostal muscles in humans. <i>Journal of Physiology</i> , 2006 , 573, 263-75	3.9	52
128	Functional role of neural injury in obstructive sleep apnea. <i>Frontiers in Neurology</i> , 2012 , 3, 95	4.1	51
127	The effect of lung volume on the co-ordinated recruitment of scalene and sternomastoid muscles in humans. <i>Journal of Physiology</i> , 2007 , 584, 261-70	3.9	49
126	Use of motor cortex stimulation to measure simultaneously the changes in dynamic muscle properties and voluntary activation in human muscles. <i>Journal of Applied Physiology</i> , 2007 , 102, 1756-66	3.7	48
125	Balancing acts: respiratory sensations, motor control and human posture. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2002 , 29, 118-21	3	47
124	Discharge properties and recruitment of human diaphragmatic motor units during voluntary inspiratory tasks. <i>Journal of Physiology</i> , 1999 , 518 (Pt 3), 907-20	3.9	47
123	Diaphragm length and neural drive after lung volume reduction surgery. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 1259-66	10.2	46
122	Modulation of transcallosal inhibition by bilateral activation of agonist and antagonist proximal arm muscles. <i>Journal of Neurophysiology</i> , 2014 , 111, 405-14	3.2	45
121	Task failure with lack of diaphragm fatigue during inspiratory resistive loading in human subjects. <i>Journal of Applied Physiology</i> , 1997 , 82, 2011-9	3.7	44
120	The output from human inspiratory motoneurone pools. <i>Journal of Physiology</i> , 2008 , 586, 1257-64	3.9	43
119	Muscle fiber and motor unit behavior in the longest human skeletal muscle. <i>Journal of Neuroscience</i> , 2005 , 25, 8528-33	6.6	41
118	Interplay between the inspiratory and postural functions of the human parasternal intercostal muscles. <i>Journal of Neurophysiology</i> , 2010 , 103, 1622-9	3.2	39
117	Discharge patterns of human genioglossus motor units during arousal from sleep. <i>Sleep</i> , 2010 , 33, 379-87.1		39
116	Short-interval cortical inhibition and intracortical facilitation during submaximal voluntary contractions changes with fatigue. <i>Experimental Brain Research</i> , 2016 , 234, 2541-51	2.3	39
115	Noninvasive stimulation of human corticospinal axons innervating leg muscles. <i>Journal of Neurophysiology</i> , 2008 , 100, 1080-6	3.2	38
114	Tongue stiffness is lower in patients with obstructive sleep apnea during wakefulness compared with matched control subjects. <i>Sleep</i> , 2015 , 38, 537-44	1.1	37
113	Probing the corticospinal link between the motor cortex and motoneurons: some neglected aspects of human motor cortical function. <i>Acta Physiologica</i> , 2010 , 198, 403-16	5.6	37

112	Role of airway receptors in the reflex responses of human inspiratory muscles to airway occlusion. <i>Journal of Physiology</i> , 1995 , 487, 273-81	3.9	37
111	Movement of the human upper airway during inspiration with and without inspiratory resistive loading. <i>Journal of Applied Physiology</i> , 2011 , 110, 69-75	3.7	36
110	Absence of viscerosomatic inhibition with injections of lobeline designed to activate human pulmonary C fibres. <i>Journal of Physiology</i> , 1998 , 511 (Pt 1), 289-300	3.9	36
109	The nature of corticospinal paths driving human motoneurons during voluntary contractions. <i>Journal of Physiology</i> , 2007 , 584, 651-9	3.9	36
108	Surface functional electrical stimulation of the abdominal muscles to enhance cough and assist tracheostomy decannulation after high-level spinal cord injury. <i>Journal of Spinal Cord Medicine</i> , 2008 , 31, 78-82	1.9	35
107	Role of common hypnotics on the phenotypic causes of obstructive sleep apnoea: paradoxical effects of zolpidem. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	34
106	Healthy humans with a narrow upper airway maintain patency during quiet breathing by dilating the airway during inspiration. <i>Journal of Physiology</i> , 2014 , 592, 4763-74	3.9	34
105	Changes in respiratory sensations induced by lobeline after human bilateral lung transplantation. <i>Journal of Physiology</i> , 2001 , 534, 583-93	3.9	34
104	The neural control of human inspiratory muscles. <i>Progress in Brain Research</i> , 2014 , 209, 295-308	2.9	33
103	Cognitive behaviour therapy reduces dyspnoea ratings in patients with chronic obstructive pulmonary disease (COPD). <i>Respiratory Physiology and Neurobiology</i> , 2015 , 216, 35-42	2.8	30
102	Mechanisms contributing to the response of upper-airway muscles to changes in airway pressure. <i>Journal of Applied Physiology</i> , 2015 , 118, 1221-8	3.7	30
101	Abdominal muscle training can enhance cough after spinal cord injury. <i>Neurorehabilitation and Neural Repair</i> , 2013 , 27, 834-43	4.7	30
100	Effects of sustained stimulation on the excitability of motoneurons innervating paralyzed and control muscles. <i>Journal of Applied Physiology</i> , 2003 , 94, 567-75	3.7	28
99	Coupling between mechanical and neural behaviour in the human first dorsal interosseous muscle. <i>Journal of Physiology</i> , 2009 , 587, 917-25	3.9	27
98	Pulmonary afferents are not necessary for the reflex inhibition of human inspiratory muscles produced by airway occlusion. <i>Journal of Neurophysiology</i> , 1997 , 78, 170-6	3.2	26
97	Optimal electrode placement for noninvasive electrical stimulation of human abdominal muscles. <i>Journal of Applied Physiology</i> , 2007 , 102, 1612-7	3.7	26
96	Posterolateral surface electrical stimulation of abdominal expiratory muscles to enhance cough in spinal cord injury. <i>Neurorehabilitation and Neural Repair</i> , 2011 , 25, 158-67	4.7	25
95	Discharge frequencies of single motor units in human diaphragm and parasternal muscles in lying and standing. <i>Journal of Applied Physiology</i> , 2001 , 90, 147-54	3.7	25

94	Dose-dependent effects of mandibular advancement on upper airway collapsibility and muscle function in obstructive sleep apnea. <i>Sleep</i> , 2019 , 42,	1.1	24
93	The history of contraction of the wrist flexors can change cortical excitability. <i>Journal of Physiology</i> , 2002 , 545, 731-7	3.9	23
92	Brief airway occlusion produces prolonged reflex inhibition of inspiratory muscles in obstructive sleep apnea. <i>Sleep</i> , 2006 , 29, 321-8	1.1	22
91	Genioglossus reflex responses to negative upper airway pressure are altered in people with tetraplegia and obstructive sleep apnoea. <i>Journal of Physiology</i> , 2018 , 596, 2853-2864	3.9	21
90	More conditioning stimuli enhance synaptic plasticity in the human spinal cord. <i>Clinical Neurophysiology</i> , 2016 , 127, 724-731	4.3	21
89	Origin of the low-level EMG during the silent period following transcranial magnetic stimulation. <i>Clinical Neurophysiology</i> , 2012 , 123, 1409-14	4.3	21
88	Control of human inspiratory motoneurons during voluntary and involuntary contractions. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 179, 23-33	2.8	21
87	Impaired reflex responses to airway occlusion in the inspiratory muscles of asthmatic subjects. <i>Thorax</i> , 1996 , 51, 490-5	7.3	21
86	Reproducibility of the short-latency reflex inhibition to loading of human inspiratory muscles. <i>Respiratory Physiology and Neurobiology</i> , 2008 , 162, 216-22	2.8	19
85	Depression of involuntary activity in muscles paralyzed by spinal cord injury. <i>Muscle and Nerve</i> , 2006 , 33, 637-44	3.4	19
84	Common rostrocaudal gradient of output from human intercostal motoneurons during voluntary and automatic breathing. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 175, 20-8	2.8	18
83	Ia-afferent input to motoneurons during shortening and lengthening muscle contractions in humans. <i>Journal of Applied Physiology</i> , 2007 , 102, 144-8	3.7	18
82	Human motoneurone excitability is depressed by activation of serotonin 1A receptors with buspirone. <i>Journal of Physiology</i> , 2017 , 595, 1763-1773	3.9	17
81	Motor unit territories in human genioglossus estimated with multichannel intramuscular electrodes. <i>Journal of Applied Physiology</i> , 2018 , 124, 664-671	3.7	16
80	Decreased input to the motor cortex increases motor cortical excitability. <i>Clinical Neurophysiology</i> , 2006 , 117, 2496-503	4.3	16
79	Differential fatigue of paralyzed thenar muscles by stimuli of different intensities. <i>Muscle and Nerve</i> , 2002 , 26, 122-31	3.4	16
78	An algorithm for the safety of costal diaphragm electromyography derived from ultrasound. <i>Muscle and Nerve</i> , 2012 , 46, 856-60	3.4	14
77	Differential effects of low-intensity motor cortical stimulation on the inspiratory activity in scalene muscles during voluntary and involuntary breathing. <i>Respiratory Physiology and Neurobiology</i> , 2011 , 175, 265-71	2.8	14

76	Is there a case for diaphragm pacing for amyotrophic lateral sclerosis patients?. <i>Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders</i> , 2012 , 13, 521-7		14
75	New display of the timing and firing frequency of single motor units. <i>Journal of Neuroscience Methods</i> , 2007 , 162, 287-92	3	14
74	The effects of cervical transcutaneous spinal direct current stimulation on motor pathways supplying the upper limb in humans. <i>PLoS ONE</i> , 2017 , 12, e0172333	3.7	14
73	Involvement of N-methyl-d-aspartate receptors in plasticity induced by paired corticospinal-motoneuronal stimulation in humans. <i>Journal of Neurophysiology</i> , 2018 , 119, 652-661	3.2	14
72	Activation of human inspiratory muscles in an upside-down posture. <i>Respiratory Physiology and Neurobiology</i> , 2016 , 226, 152-9	2.8	13
71	Single motor unit recordings in human geniohyoid reveal minimal respiratory activity during quiet breathing. <i>Journal of Applied Physiology</i> , 2011 , 110, 1054-9	3.7	13
70	Neuromechanical matching of central respiratory drive: a new principle of motor unit recruitment? 2007 , 22-24		13
69	The frequency of bowel and bladder problems in multiple sclerosis and its relation to fatigue: A single centre experience. <i>PLoS ONE</i> , 2019 , 14, e0222731	3.7	12
68	Increased blood pressure can reduce fatigue of thenar muscles paralyzed after spinal cord injury. <i>Muscle and Nerve</i> , 2004 , 29, 575-84	3.4	12
67	Reflex inhibition of human inspiratory muscles in response to contralateral phrenic nerve stimulation. <i>Respiratory Physiology and Neurobiology</i> , 2003 , 138, 87-96	2.8	12
66	Inspiratory pre-motor potentials during quiet breathing in ageing and chronic obstructive pulmonary disease. <i>Journal of Physiology</i> , 2018 , 596, 6173-6189	3.9	11
65	Discharge properties of human diaphragm motor units with ageing. <i>Journal of Physiology</i> , 2019 , 597, 5079-5092	3.9	11
64	High nasal resistance is stable over time but poorly perceived in people with tetraplegia and obstructive sleep apnoea. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 235, 27-33	2.8	11
63	Neurogenic changes in the upper airway of obstructive sleep apnoea. <i>Current Neurology and Neuroscience Reports</i> , 2015 , 15, 12	6.6	10
62	Electrical stimulation of abdominal muscles to produce cough in spinal cord injury: effect of stimulus intensity. <i>Neurorehabilitation and Neural Repair</i> , 2015 , 29, 362-9	4.7	10
61	A novel ultrasound technique to measure genioglossus movement in vivo. <i>Journal of Applied Physiology</i> , 2014 , 117, 556-62	3.7	10
60	Regional respiratory movement of the tongue is coordinated during wakefulness and is larger in severe obstructive sleep apnoea. <i>Journal of Physiology</i> , 2020 , 598, 581-597	3.9	10
59	A Principle of Neuromechanical Matching for Motor Unit Recruitment in Human Movement. <i>Exercise and Sport Sciences Reviews</i> , 2019 , 47, 157-168	6.7	10

58	TMS-evoked silent periods in scalene and parasternal intercostal muscles during voluntary breathing. <i>Respiratory Physiology and Neurobiology</i> , 2015 , 216, 15-22	2.8	9
57	Role of the diaphragm in trunk rotation in humans. <i>Journal of Neurophysiology</i> , 2011 , 106, 1622-8	3.2	9
56	Voluntary and involuntary ventilation do not alter the human inspiratory muscle loading reflex. <i>Journal of Applied Physiology</i> , 2010 , 109, 87-94	3.7	9
55	Respiratory cerebrospinal fluid flow is driven by the thoracic and lumbar spinal pressures. <i>Journal of Physiology</i> , 2020 , 598, 5789-5805	3.9	9
54	Interlimb Reflexes Induced by Electrical Stimulation of Cutaneous Nerves after Spinal Cord Injury. <i>PLoS ONE</i> , 2016 , 11, e0153063	3.7	9
53	Time course of human motoneuron recovery after sustained low-level voluntary activity. <i>Journal of Neurophysiology</i> , 2016 , 115, 803-12	3.2	9
52	Small amounts of involuntary muscle activity reduce passive joint range of motion. <i>Journal of Applied Physiology</i> , 2019 , 127, 229-234	3.7	8
51	Substantia nigra echomorphology and motor cortex excitability. <i>NeuroImage</i> , 2010 , 50, 1351-6	7.9	8
50	Effects of morphine on respiratory load detection, load magnitude perception, and tactile sensation in obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2018 , 125, 393-400	3.7	8
49	The effect of paired corticospinal-motoneuronal stimulation on maximal voluntary elbow flexion in cervical spinal cord injury: an experimental study. <i>Spinal Cord</i> , 2019 , 57, 796-804	2.7	7
48	Short-latency inhibitory reflex responses to inspiratory loading of the scalene muscles are impaired in spinal cord injury. <i>Experimental Physiology</i> , 2015 , 100, 216-25	2.4	7
47	Impact of respiratory muscle training on respiratory muscle strength, respiratory function and quality of life in individuals with tetraplegia: a randomised clinical trial. <i>Thorax</i> , 2020 , 75, 279-288	7.3	7
46	Human intersegmental reflexes from intercostal afferents to scalene muscles. <i>Experimental Physiology</i> , 2016 , 101, 1301-1308	2.4	7
45	Increased ventilation does not impair maximal voluntary contractions of the elbow flexors. <i>Journal of Applied Physiology</i> , 2008 , 104, 1674-82	3.7	7
44	Unexpected reflex response to transmastoid stimulation in human subjects during near-maximal effort. <i>Journal of Physiology</i> , 2001 , 536, 305-12	3.9	7
43	Differential activation of the human costal and crural diaphragm during voluntary and involuntary breaths. <i>Journal of Applied Physiology</i> , 2020 , 128, 1262-1270	3.7	6
42	Abdominal functional electrical stimulation to assist ventilator weaning in critical illness: a double-blinded, randomised, sham-controlled pilot study. <i>Critical Care</i> , 2019 , 23, 261	10.8	6
41	Effect of airway inflammation on short-latency reflex inhibition to inspiratory loading in human scalene muscles. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 181, 148-53	2.8	6

40	Human respiratory muscles: sensations, reflexes and fatiguability. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1998 , 25, 757-63	3	6
39	Influence of respiratory mechanics and drive on genioglossus movement under ultrasound imaging. <i>PLoS ONE</i> , 2018 , 13, e0195884	3.7	6
38	Task-dependent output of human parasternal intercostal motor units across spinal levels. <i>Journal of Physiology</i> , 2017 , 595, 7081-7092	3.9	5
37	Effects of tongue position and lung volume on voluntary maximal tongue protrusion force in humans. <i>Respiratory Physiology and Neurobiology</i> , 2015 , 206, 61-6	2.8	5
36	Respiratory muscle training may improve respiratory function and obstructive sleep apnoea in people with cervical spinal cord injury. <i>Spinal Cord Series and Cases</i> , 2015 , 1, 15010	1.4	5
35	No laughing matter. <i>Lancet, The</i> , 1999 , 354, 2086	4.0	5
34	Validation of a quantitative method to measure neural respiratory drive in children during sleep. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 239, 75-80	2.8	3
33	Quantitative assessment of nocturnal neural respiratory drive in children with and without obstructive sleep apnoea using surface EMG. <i>Experimental Physiology</i> , 2019 , 104, 755-764	2.4	3
32	Absence of inspiratory premotor potentials during quiet breathing in cervical spinal cord injury. <i>Journal of Applied Physiology</i> , 2020 , 128, 660-666	3.7	3
31	Respiratory Physiology 2017 , 167-173.e4		3
30	Evoked corticospinal output to the human scalene muscles is altered by lung volume. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 180, 263-8	2.8	3
29	Comparison Of EMG In The Costal And Crural Diaphragm With Increments In Tidal Volume 2011 ,		3
28	Stopping Exercise: Role of Pulmonary C Fibers and Inhibition Of Motoneurons. <i>Physiology</i> , 2000 , 15, 241-245	2.85	3
27	Genioglossus motor unit activity in supine and upright postures in obstructive sleep apnea. <i>Sleep</i> , 2020 , 43,	1.1	3
26	Changes in pharyngeal collapsibility and genioglossus reflex responses to negative pressure during the respiratory cycle in obstructive sleep apnoea. <i>Journal of Physiology</i> , 2020 , 598, 567-580	3.9	3
25	Breath-synchronized electrical stimulation of the expiratory muscles in mechanically ventilated patients: a randomized controlled feasibility study and pooled analysis. <i>Critical Care</i> , 2020 , 24, 628	10.8	3
24	Inspiratory muscle responses to sudden airway occlusion in chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2021 , 131, 36-44	3.7	3
23	Increased diaphragm motor unit discharge frequencies during quiet breathing in people with chronic tetraplegia. <i>Journal of Physiology</i> , 2020 , 598, 2243-2256	3.9	2

22	Optimal electrode position for abdominal functional electrical stimulation. <i>Journal of Applied Physiology</i> , 2018 , 125, 1062-1068	3.7	2
21	Abdominal Functional Electrical Stimulation to Augment Respiratory Function in Spinal Cord Injury. <i>Topics in Spinal Cord Injury Rehabilitation</i> , 2019 , 25, 105-111	1.5	2
20	Supraspinal fatigue in human inspiratory muscles with repeated sustained maximal efforts. <i>Journal of Applied Physiology</i> , 2020 , 129, 1365-1372	3.7	2
19	Tongue strength and swallowing dynamics in chronic obstructive pulmonary disease. <i>ERJ Open Research</i> , 2021 , 7,	3.5	2
18	Effect of upper airway fat on tongue dilation during inspiration in awake people with obstructive sleep apnea. <i>Sleep</i> , 2021 , 44,	1.1	2
17	Reflex response to airway occlusion in human inspiratory muscles when recruited for breathing and posture. <i>Journal of Applied Physiology</i> , 2019 , 126, 132-140	3.7	2
16	Mandibular advancement splint response is associated with the pterygomandibular raphe. <i>Sleep</i> , 2021 , 44,	1.1	2
15	Influence of mandibular advancement on tongue dilatory movement during wakefulness and how this is related to oral appliance therapy outcome for obstructive sleep apnea. <i>Sleep</i> , 2021 , 44,	1.1	2
14	Feedforward consequences of isometric contractions: effort and ventilation. <i>Physiological Reports</i> , 2016 , 4, e12882	2.6	1
13	Respiratory muscle activity in voluntary breathing tracking tasks: Implications for the assessment of respiratory motor control. <i>Respiratory Physiology and Neurobiology</i> , 2020 , 274, 103353	2.8	1
12	The reliability of inspiratory resistive load magnitude and detection testing. <i>Respiratory Physiology and Neurobiology</i> , 2020 , 281, 103490	2.8	1
11	Estimation of maximal muscle electromyographic activity from the relationship between muscle activity and voluntary activation. <i>Journal of Applied Physiology</i> , 2021 , 130, 1352-1361	3.7	1
10	Continuous positive airway pressure treatment does not normalize the prolonged reflex inhibition to inspiratory loading in obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2016 , 121, 910-916	3.7	1
9	Nocturnal swallowing augments arousal intensity and arousal tachycardia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 8624-8632	11.5	1
8	Tongue acceleration in humans evoked with intramuscular electrical stimulation of genioglossus. <i>Respiratory Physiology and Neurobiology</i> , 2022 , 295, 103786	2.8	1
7	Physiological responses and perceived comfort to high-flow nasal cannula therapy in awake adults: effects of flow magnitude and temperature. <i>Journal of Applied Physiology</i> , 2021 , 131, 1772-1782	3.7	0
6	Non-uniform Effects of Nociceptive Stimulation to Motoneurons during Experimental Muscle Pain. <i>Neuroscience</i> , 2021 , 463, 45-56	3.9	0
5	Movement of the ribs in supine humans for small and large changes in lung volume. <i>Journal of Applied Physiology</i> , 2021 , 131, 174-183	3.7	0

- 4 Pathophysiology of upper airway collapse **2014**, 22-33
- 3 MUNE in ALS: natural history and implications. *Supplements To Clinical Neurophysiology*, **2003**, 55, 165-176
- 2 Muscle damage and exercise: does the brain contribute to muscle weakness? **2006**, 21-22
- 1 The effect of abdominal functional electrical stimulation on bowel function in multiple sclerosis: a cohort study. *Multiple Sclerosis Journal - Experimental, Translational and Clinical*, **2020**, 6, 2055217320941530