

Simon C Gandevia

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564
papers

37,328
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101
h-index

171
g-index

594
ext. papers

40,935
ext. citations

4.4
avg, IF

7.66
L-index

#	Paper	IF	Citations
564	Spinal and supraspinal factors in human muscle fatigue. <i>Physiological Reviews</i> , 2001 , 81, 1725-89	47.9	2292
563	ATS/ERS Statement on respiratory muscle testing. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 518-624	10.2	1795
562	The proprioceptive senses: their roles in signaling body shape, body position and movement, and muscle force. <i>Physiological Reviews</i> , 2012 , 92, 1651-97	47.9	964
561	Measurement of muscle contraction with ultrasound imaging. <i>Muscle and Nerve</i> , 2003 , 27, 682-92	3.4	598
560	Neurobiology of exercise. <i>Obesity</i> , 2006 , 14, 345-56	8	585
559	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
558	Reliability of measurements of muscle strength and voluntary activation using twitch interpolation. <i>Muscle and Nerve</i> , 1995 , 18, 593-600	3.4	426
557	The distribution of muscular weakness in upper motor neuron lesions affecting the arm. <i>Brain</i> , 1989 , 112 (Pt 3), 749-63	11.2	394
556	A comparison of central aspects of fatigue in submaximal and maximal voluntary contractions. <i>Journal of Applied Physiology</i> , 2008 , 104, 542-50	3.7	355
555	Experimental muscle pain changes feedforward postural responses of the trunk muscles. <i>Experimental Brain Research</i> , 2003 , 151, 262-71	2.3	326
554	Monosynaptic and oligosynaptic contributions to human ankle jerk and H-reflex. <i>Journal of Neurophysiology</i> , 1984 , 52, 435-48	3.2	319
553	Contralateral effects of unilateral strength training: evidence and possible mechanisms. <i>Journal of Applied Physiology</i> , 2006 , 101, 1514-22	3.7	318
552	Cutaneous receptors contribute to kinesthesia at the index finger, elbow, and knee. <i>Journal of Neurophysiology</i> , 2005 , 94, 1699-706	3.2	304
551	Does the nervous system depend on kinesthetic information to control natural limb movements?. <i>Behavioral and Brain Sciences</i> , 1992 , 15, 614-632	0.9	292
550	The kinaesthetic senses. <i>Journal of Physiology</i> , 2009 , 587, 4139-46	3.9	272
549	Changes in intra-abdominal pressure during postural and respiratory activation of the human diaphragm. <i>Journal of Applied Physiology</i> , 2000 , 89, 967-76	3.7	271
548	Measurement of voluntary activation of fresh and fatigued human muscles using transcranial magnetic stimulation. <i>Journal of Physiology</i> , 2003 , 551, 661-71	3.9	267

547	Deep and superficial fibers of the lumbar multifidus muscle are differentially active during voluntary arm movements. <i>Spine</i> , 2002 , 27, E29-36	3.3	265
546	Changes in motor cortical excitability during human muscle fatigue. <i>Journal of Physiology</i> , 1996 , 490 (Pt 2), 519-28	3.9	254
545	Knowledge of motor commands and the recruitment of human motoneurons. <i>Brain</i> , 1987 , 110 (Pt 5), 1117-30	11.2	250
544	Intra-abdominal pressure increases stiffness of the lumbar spine. <i>Journal of Biomechanics</i> , 2005 , 38, 1873-80	3.9	236
543	Task-dependent reflex responses and movement illusions evoked by galvanic vestibular stimulation in standing humans. <i>Journal of Physiology</i> , 1994 , 478 (Pt 2), 363-72	3.9	234
542	Neuropathic pain and primary somatosensory cortex reorganization following spinal cord injury. <i>Pain</i> , 2009 , 141, 52-9	8	226
541	Changes in segmental and motor cortical output with contralateral muscle contractions and altered sensory inputs in humans. <i>Journal of Neurophysiology</i> , 2003 , 90, 2451-9	3.2	223
540	Pathophysiology of dyspnea in chronic obstructive pulmonary disease: a roundtable. <i>Proceedings of the American Thoracic Society</i> , 2007 , 4, 145-68		220
539	Transcranial magnetic stimulation (TMS) in controlled treatment studies: are some "sham" forms active?. <i>Biological Psychiatry</i> , 2000 , 47, 325-31	7.9	220
538	Responses to passive movement of receptors in joint, skin and muscle of the human hand. <i>Journal of Physiology</i> , 1988 , 402, 347-61	3.9	220
537	Decline in spindle support to alpha-motoneurons during sustained voluntary contractions. <i>Journal of Physiology</i> , 1991 , 440, 497-512	3.9	218
536	Kinaesthetic signals and muscle contraction. <i>Trends in Neurosciences</i> , 1992 , 15, 62-5	13.3	213
535	The firing rates of human motoneurons voluntarily activated in the absence of muscle afferent feedback. <i>Journal of Physiology</i> , 1993 , 471, 429-43	3.9	212
534	Evidence for a supraspinal contribution to human muscle fatigue. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 400-5	3	211
533	Direct comparison of corticospinal volleys in human subjects to transcranial magnetic and electrical stimulation. <i>Journal of Physiology</i> , 1993 , 470, 383-93	3.9	206
532	Voluntary activation of human motor axons in the absence of muscle afferent feedback. The control of the deafferented hand. <i>Brain</i> , 1990 , 113 (Pt 5), 1563-81	11.2	205
531	The effect of sustained low-intensity contractions on supraspinal fatigue in human elbow flexor muscles. <i>Journal of Physiology</i> , 2006 , 573, 511-23	3.9	204
530	Double-blind controlled investigation of transcranial magnetic stimulation for the treatment of resistant major depression. <i>American Journal of Psychiatry</i> , 1999 , 156, 946-8	11.9	203

529	The afferent volleys responsible for spinal proprioceptive reflexes in man. <i>Journal of Physiology</i> , 1983 , 339, 535-52	3.9	203
528	Loop gain of reflexes controlling human standing measured with the use of postural and vestibular disturbances. <i>Journal of Neurophysiology</i> , 1996 , 76, 3994-4008	3.2	202
527	Perceptual responses to microstimulation of single afferents innervating joints, muscles and skin of the human hand. <i>Journal of Physiology</i> , 1990 , 429, 113-29	3.9	200
526	Effect of increased lung volume on perception of breathlessness, effort, and tension. <i>Journal of Applied Physiology</i> , 1984 , 57, 686-91	3.7	198
525	Respiratory sensations, cardiovascular control, kinaesthesia and transcranial stimulation during paralysis in humans. <i>Journal of Physiology</i> , 1993 , 470, 85-107	3.9	197
524	Contralateral effects of unilateral resistance training: a meta-analysis. <i>Journal of Applied Physiology</i> , 2004 , 96, 1861-6	3.7	195
523	Joint sense, muscle sense, and their combination as position sense, measured at the distal interphalangeal joint of the middle finger. <i>Journal of Physiology</i> , 1976 , 260, 387-407	3.9	194
522	Limited independent flexion of the thumb and fingers in human subjects. <i>Journal of Physiology</i> , 1994 , 479 (Pt 3), 487-97	3.9	193
521	Twitch interpolation in human muscles: mechanisms and implications for measurement of voluntary activation. <i>Journal of Neurophysiology</i> , 1999 , 82, 2271-83	3.2	189
520	Short-term effects of dynamic lycra splints on upper limb in hemiplegic patients. <i>Archives of Physical Medicine and Rehabilitation</i> , 2000 , 81, 1547-55	2.8	185
519	Perceptual distortions of the human body image produced by local anaesthesia, pain and cutaneous stimulation. <i>Journal of Physiology</i> , 1999 , 514 (Pt 2), 609-16	3.9	184
518	Activation of the human diaphragm from the motor cortex. <i>Journal of Physiology</i> , 1987 , 384, 109-18	3.9	182
517	Contraction of the human diaphragm during rapid postural adjustments. <i>Journal of Physiology</i> , 1997 , 505 (Pt 2), 539-48	3.9	180
516	Activation of the human diaphragm during a repetitive postural task. <i>Journal of Physiology</i> , 2000 , 522 Pt 1, 165-75	3.9	180
515	Anatomical changes in human motor cortex and motor pathways following complete thoracic spinal cord injury. <i>Cerebral Cortex</i> , 2009 , 19, 224-32	5.1	176
514	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
513	Hyperthermia: a failure of the motor cortex and the muscle. <i>Journal of Physiology</i> , 2005 , 563, 621-31	3.9	166
512	Motor commands contribute to human position sense. <i>Journal of Physiology</i> , 2006 , 571, 703-10	3.9	165

511	Sensations of heaviness. <i>Brain</i> , 1977 , 100, 345-54	11.2	165
510	Neural drive to the diaphragm in patients with severe COPD. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 155, 1335-40	10.2	160
509	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
508	Changes in motor commands, as shown by changes in perceived heaviness, during partial curarization and peripheral anaesthesia in man. <i>Journal of Physiology</i> , 1977 , 272, 673-89	3.9	158
507	Group III and IV muscle afferents differentially affect the motor cortex and motoneurons in humans. <i>Journal of Physiology</i> , 2008 , 586, 1277-89	3.9	155
506	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
505	Large involuntary forces consistent with plateau-like behavior of human motoneurons. <i>Journal of Neuroscience</i> , 2001 , 21, 4059-65	6.6	154
504	Maximal force, voluntary activation and muscle soreness after eccentric damage to human elbow flexor muscles. <i>Journal of Physiology</i> , 2005 , 567, 337-48	3.9	153
503	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
502	Noninvasive stimulation of the human corticospinal tract. <i>Journal of Applied Physiology</i> , 2004 , 96, 1496-503	3.9	145
501	The distribution of muscle weakness in upper motoneuron lesions affecting the lower limb. <i>Brain</i> , 1990 , 113 (Pt 5), 1459-76	11.2	145
500	The perception of motor commands or effort during muscular paralysis. <i>Brain</i> , 1982 , 105, 151-9	11.2	143
499	Fatigue-sensitive afferents inhibit extensor but not flexor motoneurons in humans. <i>Journal of Neuroscience</i> , 2006 , 26, 4796-802	6.6	142
498	Illusory movements produced by electrical stimulation of low-threshold muscle afferents from the hand. <i>Brain</i> , 1985 , 108 (Pt 4), 965-81	11.2	139
497	The ipsilateral motor cortex contributes to cross-limb transfer of performance gains after ballistic motor practice. <i>Journal of Physiology</i> , 2010 , 588, 201-12	3.9	137
496	The role of joint receptors in human kinaesthesia when intramuscular receptors cannot contribute. <i>Journal of Physiology</i> , 1987 , 386, 63-71	3.9	137
495	Sustained contractions produced by plateau-like behaviour in human motoneurons. <i>Journal of Physiology</i> , 2002 , 538, 289-301	3.9	135
494	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

493	Transcranial magnetic stimulation and human muscle fatigue. <i>Muscle and Nerve</i> , 2001 , 24, 18-29	3.4	133
492	. <i>Journal of Physiology</i> , 2001 , 537, 999-1008	3.9	133
491	Harlequin syndrome: the sudden onset of unilateral flushing and sweating. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1988 , 51, 635-42	5.5	132
490	Activation of human muscles at short muscle lengths during maximal static efforts. <i>Journal of Physiology</i> , 1988 , 407, 599-613	3.9	131
489	Neural control in human muscle fatigue: changes in muscle afferents, motoneurons and motor cortical drive [corrected]. <i>Acta Physiologica Scandinavica</i> , 1998 , 162, 275-83		124
488	Central and peripheral fatigue of human diaphragm and limb muscles assessed by twitch interpolation. <i>Journal of Physiology</i> , 1992 , 454, 643-56	3.9	124
487	The effect of respiratory muscle fatigue on respiratory sensations. <i>Clinical Science</i> , 1981 , 60, 463-6	6.5	123
486	Twitch interpolation of the elbow flexor muscles at high forces. <i>Muscle and Nerve</i> , 1998 , 21, 318-28	3.4	122
485	Somatotopic organization of the processing of muscle and cutaneous pain in the left and right insula cortex: a single-trial fMRI study. <i>Pain</i> , 2007 , 128, 20-30	8	122
484	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
483	Changes in pennation with joint angle and muscle torque: in vivo measurements in human brachialis muscle. <i>Journal of Physiology</i> , 1995 , 484 (Pt 2), 523-32	3.9	120
482	Roles for perceived voluntary motor commands in motor control. <i>Trends in Neurosciences</i> , 1987 , 10, 81-85	3.3	119
481	Testing the excitability of human motoneurons. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 152	3.3	118
480	Tonic and phasic respiratory drives to human genioglossus motoneurons during breathing. <i>Journal of Neurophysiology</i> , 2006 , 95, 2213-21	3.2	117
479	Reflex responses in active muscles elicited by stimulation of low-threshold afferents from the human foot. <i>Journal of Neurophysiology</i> , 1992 , 67, 1375-84	3.2	111
478	Effects of a 2- to 4-week course of repetitive transcranial magnetic stimulation (rTMS) on neuropsychologic functioning, electroencephalogram, and auditory threshold in depressed patients. <i>Biological Psychiatry</i> , 2001 , 49, 615-23	7.9	110
477	The projection of muscle afferents from the hand to cerebral cortex in man. <i>Brain</i> , 1984 , 107 (Pt 1), 1-13	11.2	110
476	Human diaphragmatic EMG: changes with lung volume and posture during supramaximal phrenic stimulation. <i>Journal of Applied Physiology</i> , 1986 , 60, 1420-8	3.7	109

475	Proprioceptive signals contribute to the sense of body ownership. <i>Journal of Physiology</i> , 2011 , 589, 3009-21	3.2	108
474	Contractions of specific abdominal muscles in postural tasks are affected by respiratory maneuvers. <i>Journal of Applied Physiology</i> , 1997 , 83, 753-60	3.7	107
473	Neuropsychological, balance, and mobility risk factors for falls in people with multiple sclerosis: a prospective cohort study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2014 , 95, 480-6	2.8	105
472	Assessment of maximal voluntary contraction with twitch interpolation: an instrument to measure twitch responses. <i>Journal of Neuroscience Methods</i> , 1988 , 25, 97-102	3	105
471	Discharge frequencies of parasternal intercostal and scalene motor units during breathing in normal and COPD subjects. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1996 , 153, 622-8	10.2	104
470	Absence of somatotopic projection of muscle afferents onto motoneurons of same muscle. <i>Journal of Neurophysiology</i> , 1984 , 51, 185-94	3.2	104
469	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
468	Sustained contraction at very low forces produces prominent supraspinal fatigue in human elbow flexor muscles. <i>Journal of Applied Physiology</i> , 2007 , 103, 560-8	3.7	103
467	Recovery of central and peripheral neuromuscular fatigue after exercise. <i>Journal of Applied Physiology</i> , 2017 , 122, 1068-1076	3.7	102
466	Output of human motoneuron pools to corticospinal inputs during voluntary contractions. <i>Journal of Neurophysiology</i> , 2006 , 95, 3512-8	3.2	101
465	Measurement and reproducibility of strength and voluntary activation of lower-limb muscles. <i>Muscle and Nerve</i> , 2004 , 29, 834-42	3.4	101
464	Postural proprioceptive reflexes in standing human subjects: bandwidth of response and transmission characteristics. <i>Journal of Physiology</i> , 1992 , 458, 69-83	3.9	101
463	Reduction in perceived intensity of cutaneous stimuli during movement: a quantitative study. <i>Experimental Brain Research</i> , 1988 , 70, 569-76	2.3	101
462	Behaviour of the motoneurone pool in a fatiguing submaximal contraction. <i>Journal of Physiology</i> , 2011 , 589, 3533-44	3.9	100
461	Double-blind controlled investigation of bilateral prefrontal transcranial magnetic stimulation for the treatment of resistant major depression. <i>Psychological Medicine</i> , 2003 , 33, 33-40	6.9	100
460	Phrenic nerve conduction times and twitch pressures of the human diaphragm. <i>Journal of Applied Physiology</i> , 1985 , 58, 1496-504	3.7	97
459	Unilateral strength training increases voluntary activation of the opposite untrained limb. <i>Clinical Neurophysiology</i> , 2009 , 120, 802-8	4.3	96
458	External perturbation of the trunk in standing humans differentially activates components of the medial back muscles. <i>Journal of Physiology</i> , 2003 , 547, 581-7	3.9	96

457	Interactions between cutaneous and muscle afferent projections to cerebral cortex in man. <i>Electroencephalography and Clinical Neurophysiology</i> , 1982 , 53, 349-60		96
456	The response to paired motor cortical stimuli is abolished at a spinal level during human muscle fatigue. <i>Journal of Physiology</i> , 2009 , 587, 5601-12	3.9	95
455	Spinal stiffness changes throughout the respiratory cycle. <i>Journal of Applied Physiology</i> , 2003 , 95, 1467-75	3.7	95
454	Training with unilateral resistance exercise increases contralateral strength. <i>Journal of Applied Physiology</i> , 2005 , 99, 1880-4	3.7	95
453	Reproducible measurement of voluntary activation of human elbow flexors with motor cortical stimulation. <i>Journal of Applied Physiology</i> , 2004 , 97, 236-42	3.7	93
452	Activation of neck muscles from the human motor cortex. <i>Brain</i> , 1988 , 111 (Pt 4), 801-13	11.2	92
451	Effects of related sensory inputs on motor performances in man studied through changes in perceived heaviness. <i>Journal of Physiology</i> , 1977 , 272, 653-72	3.9	92
450	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
449	Conduction velocities of muscle and cutaneous afferents in the upper and lower limbs of human subjects. <i>Brain</i> , 1989 , 112 (Pt 6), 1519-32	11.2	89
448	Respiratory muscle function and activation in chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2009 , 107, 621-9	3.7	88
447	Distinct forebrain activity patterns during deep versus superficial pain. <i>Pain</i> , 2006 , 120, 286-296	8	88
446	Voluntary discharge frequencies of human motoneurons at different muscle lengths. <i>Muscle and Nerve</i> , 1992 , 15, 130-7	3.4	88
445	Proprioceptive sensation at the terminal joint of the middle finger. <i>Journal of Physiology</i> , 1983 , 335, 507-17	3.7	88
444	Passive mechanical properties of human gastrocnemius muscle tendon units, muscle fascicles and tendons in vivo. <i>Journal of Experimental Biology</i> , 2007 , 210, 4159-68	3	86
443	Signals of motor command bias joint position sense in the presence of feedback from proprioceptors. <i>Journal of Applied Physiology</i> , 2009 , 106, 950-8	3.7	85
442	Mental rehearsal of motor tasks recruits alpha-motoneurons but fails to recruit human fusimotor neurones selectively. <i>Journal of Physiology</i> , 1997 , 505 (Pt 1), 259-66	3.9	85
441	Projection of low-threshold afferents from human intercostal muscles to the cerebral cortex. <i>Respiration Physiology</i> , 1989 , 77, 203-14		85
440	Viscoelastic properties of the tongue and soft palate using MR elastography. <i>Journal of Biomechanics</i> , 2011 , 44, 450-4	2.9	84

439	Gender differences in brain activity evoked by muscle and cutaneous pain: a retrospective study of single-trial fMRI data. <i>NeuroImage</i> , 2008 , 39, 1867-76	7.9	84
438	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
437	Discharge patterns of human genioglossus motor units during sleep onset. <i>Sleep</i> , 2008 , 31, 525-33	1.1	84
436	Activation of human respiratory muscles during different voluntary manoeuvres. <i>Journal of Physiology</i> , 1990 , 428, 387-403	3.9	84
435	A new method for measuring passive length-tension properties of human gastrocnemius muscle in vivo. <i>Journal of Biomechanics</i> , 2005 , 38, 1333-41	2.9	83
434	Motoneuronal output and gradation of effort in attempts to contract acutely paralysed leg muscles in man. <i>Journal of Physiology</i> , 1993 , 471, 411-27	3.9	83
433	Neural drive to human genioglossus in obstructive sleep apnoea. <i>Journal of Physiology</i> , 2007 , 585, 135-46	4.9	82
432	In vivo passive mechanical behaviour of muscle fascicles and tendons in human gastrocnemius muscle-tendon units. <i>Journal of Physiology</i> , 2011 , 589, 5257-67	3.9	81
431	Resistance training for strength: effect of number of sets and contraction speed. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 1622-6	1.2	81
430	The cortical drive to human respiratory muscles in the awake state assessed by premotor cerebral potentials. <i>Journal of Physiology</i> , 1991 , 439, 545-58	3.9	81
429	Central Fatigue. <i>Advances in Experimental Medicine and Biology</i> , 1995 , 281-294	3.6	80
428	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
427	Differential activation among five human inspiratory motoneuron pools during tidal breathing. <i>Journal of Applied Physiology</i> , 2007 , 102, 772-80	3.7	79
426	Reflex bradycardia occurring in response to diving, nasopharyngeal stimulation and ocular pressure, and its modification by respiration and swallowing. <i>Journal of Physiology</i> , 1978 , 276, 383-94	3.9	79
425	Muscle activation in unilateral and bilateral efforts assessed by motor nerve and cortical stimulation. <i>Journal of Applied Physiology</i> , 1996 , 80, 1351-6	3.7	77
424	Effects of real and imagined training on voluntary muscle activation during maximal isometric contractions. <i>Acta Physiologica Scandinavica</i> , 1998 , 163, 361-8		76
423	Savant-like skills exposed in normal people by suppressing the left fronto-temporal lobe. <i>Journal of Integrative Neuroscience</i> , 2003 , 2, 149-58	1.5	76
422	Movement of the tongue during normal breathing in awake healthy humans. <i>Journal of Physiology</i> , 2008 , 586, 4283-94	3.9	74

4 ²¹	Diaphragm length during tidal breathing in patients with chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 1461-9	10.2	74
4 ²⁰	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
4 ¹⁹	Interpretation of perceived motor commands by reference to afferent signals.. <i>Journal of Physiology</i> , 1978 , 283, 193-199	3.9	73
4 ¹⁸	Falls efficacy scale-international: a cross-sectional validation in people with multiple sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013 , 94, 883-9	2.8	72
4 ¹⁷	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
4 ¹⁶	Sensory integration in the perception of movements at the human metacarpophalangeal joint. <i>Journal of Physiology</i> , 2000 , 529 Pt 2, 505-15	3.9	72
4 ¹⁵	Muscle strength, endurance and recovery in the post-infection fatigue syndrome. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1988 , 51, 1316-22	5.5	72
4 ¹⁴	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
4 ¹³	Proprioception: peripheral inputs and perceptual interactions. <i>Advances in Experimental Medicine and Biology</i> , 2002 , 508, 61-8	3.6	71
4 ¹²	Movement imagery increases pain in people with neuropathic pain following complete thoracic spinal cord injury. <i>Pain</i> , 2008 , 137, 237-244	8	70
4 ¹¹	Muscle performance, voluntary activation and perceived effort in normal subjects and patients with prior poliomyelitis. <i>Brain</i> , 1994 , 117 (Pt 4), 661-70	11.2	70
4 ¹⁰	Tongue and lateral upper airway movement with mandibular advancement. <i>Sleep</i> , 2013 , 36, 397-404	1.1	69
4 ⁰⁹	Voluntary activation of human elbow flexor muscles during maximal concentric contractions. <i>Journal of Physiology</i> , 1998 , 512 (Pt 2), 595-602	3.9	69
4 ⁰⁸	The effect of a contralateral contraction on maximal voluntary activation and central fatigue in elbow flexor muscles. <i>Experimental Brain Research</i> , 2003 , 150, 308-13	2.3	69
4 ⁰⁷	Convergence in the somatosensory pathway between cutaneous afferents from the index and middle fingers in man. <i>Experimental Brain Research</i> , 1983 , 50, 415-25	2.3	69
4 ⁰⁶	Changes in the perception of inspiratory resistive loads during partial curarization. <i>Journal of Physiology</i> , 1980 , 309, 93-100	3.9	69
4 ⁰⁵	Biomechanical properties of the human upper airway and their effect on its behavior during breathing and in obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2014 , 116, 314-24	3.7	68
4 ⁰⁴	Forces consistent with plateau-like behaviour of spinal neurons evoked in patients with spinal cord injuries. <i>Brain</i> , 2004 , 127, 660-70	11.2	68

403	Coupling between variations in strength and baroreflex latency of sympathetic discharges in human muscle nerves. <i>Journal of Physiology</i> , 1994 , 474, 331-8	3.9	68
402	Behavior of human muscle receptors when reliant on proprioceptive feedback during standing. <i>Journal of Neurophysiology</i> , 1990 , 64, 661-70	3.2	68
401	Activation of the human diaphragm during maximal static efforts. <i>Journal of Physiology</i> , 1985 , 367, 45-56.9	3.9	67
400	Neural sites involved in the sustained increase in muscle sympathetic nerve activity induced by inspiratory capacity apnea: a fMRI study. <i>Journal of Applied Physiology</i> , 2006 , 100, 266-73	3.7	66
399	Reflex activation of muscle spindles in human pretibial muscles during standing. <i>Journal of Neurophysiology</i> , 1990 , 64, 671-9	3.2	66
398	Respiratory Movement of Upper Airway Tissue in Obstructive Sleep Apnea. <i>Sleep</i> , 2013 , 36, 1069-1076	1.1	65
397	Constraints for control of the human hand. <i>Journal of Physiology</i> , 2011 , 589, 5583-93	3.9	65
396	Interaction of transcranial magnetic stimulation and electrical transmastoid stimulation in human subjects. <i>Journal of Physiology</i> , 2002 , 541, 949-58	3.9	65
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