

# Andrew J Fuglevand

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,157  
citations

471509

17  
h-index

501196

28  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1033  
citing authors

#	ARTICLE	IF	CITATIONS
1	Motor unit physiology: Some unresolved issues. <i>Muscle and Nerve</i> , 2001, 24, 4-17.	2.2	300
2	Force-Frequency and Fatigue Properties of Motor Units in Muscles That Control Digits of the Human Hand. <i>Journal of Neurophysiology</i> , 1999, 81, 1718-1729.	1.8	132
3	A motor unit-based model of muscle fatigue. <i>PLoS Computational Biology</i> , 2017, 13, e1005581.	3.2	82
4	Re-Evaluation of Muscle Wisdom in the Human Adductor Pollicis using Physiological Rates of Stimulation. <i>Journal of Physiology</i> , 2003, 549, 865-875.	2.9	61
5	Firing Patterns of Human Genioglossus Motor Units During Voluntary Tongue Movement. <i>Journal of Neurophysiology</i> , 2007, 97, 933-936.	1.8	53
6	Distinguishing intrinsic from extrinsic factors underlying firing rate saturation in human motor units. <i>Journal of Neurophysiology</i> , 2015, 113, 1310-1322.	1.8	49
7	Contractile Properties of Human Motor Units: Is Man a Gat?. <i>Neuroscientist</i> , 1998, 4, 240-249.	3.5	43
8	Inhibition linearizes firing rate responses in human motor units: implications for the role of persistent inward currents. <i>Journal of Physiology</i> , 2017, 595, 179-191.	2.9	41
9	Mechanical properties and neural control of human hand motor units. <i>Journal of Physiology</i> , 2011, 589, 5595-5602.	2.9	38
10	Developmental Nicotine Exposure Alters Neurotransmission and Excitability in Hypoglossal Motoneurons. <i>Journal of Neurophysiology</i> , 2011, 105, 423-433.	1.8	37
11	Effects of persistent inward currents, accommodation, and adaptation on motor unit behavior: a simulation study. <i>Journal of Neurophysiology</i> , 2011, 106, 1467-1479.	1.8	35
12	Evaluation of plateau-potential-mediated "warm up" in human motor units. <i>Journal of Physiology</i> , 2006, 571, 683-693.	2.9	31
13	Object discrimination using electrotactile feedback. <i>Journal of Neural Engineering</i> , 2018, 15, 046007.	3.5	29
14	New perspectives on the neurophysiology of primate amygdala emerging from the study of naturalistic social behaviors. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2018, 9, e1449.	2.8	24
15	Perception of electrical and mechanical stimulation of the skin: implications for electrotactile feedback. <i>Journal of Neural Engineering</i> , 2009, 6, 066008.	3.5	22
16	Prediction of muscle activity during loaded movements of the upper limb. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 6.	4.6	22
17	Tactile Stimulation of the Face and the Production of Facial Expressions Activate Neurons in the Primate Amygdala. <i>ENeuro</i> , 2016, 3, ENEURO.0182-16.2016.	1.9	21
18	Evaluation of probabilistic methods to predict muscle activity: implications for neuroprosthetics. <i>Journal of Neural Engineering</i> , 2009, 6, 055008.	3.5	18

#	ARTICLE	IF	CITATIONS
19	Mimicking muscle activity with electrical stimulation. Journal of Neural Engineering, 2011, 8, 016009.	3.5	18
20	Restoration of Movement Using Functional Electrical Stimulation and Bayes' Theorem. Journal of Neuroscience, 2002, 22, 9465-9474.	3.6	16
21	Distributed stimulation increases force elicited with functional electrical stimulation. Journal of Neural Engineering, 2018, 15, 026001.	3.5	16
22	Probability-Based Prediction of Activity in Multiple Arm Muscles: Implications for Functional Electrical Stimulation. Journal of Neurophysiology, 2008, 100, 482-494.	1.8	14
23	Mitigation of excessive fatigue associated with functional electrical stimulation. Journal of Neural Engineering, 2018, 15, 066004.	3.5	13
24	Transcranial magnetic stimulation reveals diminished homeostatic metaplasticity in cognitively impaired adults. Brain Communications, 2020, 2, fcaa203.	3.3	11
25	Restoration of complex movement in the paralyzed upper limb. Journal of Neural Engineering, 2022, 19, 046002.	3.5	7
26	Current injection and receptor-mediated excitation produce similar maximal firing rates in hypoglossal motoneurons. Journal of Neurophysiology, 2016, 115, 1307-1313.	1.8	2
27	Henneman's Size Principle: The Right Name. , 1998, 281, 919c-919.		2
28	Limitations of the surface electromyography technique for estimating motor unit synchronization. Biological Cybernetics, 1995, 73, 223-233.	1.3	2
29	The brain can make you stronger. Journal of Physiology, 2019, 597, 1779-1780.	2.9	1
30	Motor unit physiology: Some unresolved issues. , 0, .		1
31	Feature Analysis for Discrimination of Motor Unit Action Potentials. , 2018, , .		0
32	Prenatal nicotine exposure alters intrinsic properties of neonatal hypoglossal motor neurons in the rhythmic medullary slice preparation. FASEB Journal, 2010, 24, .	0.5	0
33	Extent of shared presynaptic input to motor units of tongue and inspiratory intercostal muscles. FASEB Journal, 2010, 24, 1064.10.	0.5	0
34	Evaluating a possible role for persistent inward currents in firing rate saturation. FASEB Journal, 2012, 26, 901.3.	0.5	0