

Utku Å Yavuz

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

427
citations

933264

10
h-index

940416

16
g-index

23
all docs

23
docs citations

23
times ranked

446
citing authors

#	ARTICLE	IF	CITATIONS
1	Spindle Model Responsive to Mixed Fusimotor Inputs: an updated version of the Maltenfort and Burke (2003) model. <i>Physiome</i> , 2022, , .	0.3	1
2	Spindle Model Responsive to Mixed Fusimotor Inputs: an updated version of the Maltenfort and Burke (2003) model. <i>Physiome</i> , 2022, , .	0.3	0
3	Spindle Model Responsive to Mixed Fusimotor Inputs: an updated version of the Maltenfort and Burke (2003) model. <i>Physiome</i> , 2022, , .	0.3	0
4	Variations in Muscle Activity and Exerted Torque During Temporary Blood Flow Restriction in Healthy Individuals. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 557761.	2.0	1
5	Identification of Motor Unit Twitch Properties in the Intact Human In Vivo. , 2021, 2021, 6310-6313.		3
6	Adaptation Strategies for Personalized Gait Neuroprosthetics. <i>Frontiers in Neurorobotics</i> , 2021, 15, 750519.	1.6	1
7	Modelling the electrical activity of skeletal muscle tissue using a multi-domain approach. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 335-349.	1.4	14
8	Neck Muscle Stiffness Measured With Shear Wave Elastography in Women With Chronic Nonspecific Neck Pain. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2020, 50, 179-188.	1.7	25
9	Interfacing With Alpha Motor Neurons in Spinal Cord Injury Patients Receiving Trans-spinal Electrical Stimulation. <i>Frontiers in Neurology</i> , 2020, 11, 493.	1.1	12
10	Multiscale modeling of the neuromuscular system: Coupling neurophysiology and skeletal muscle mechanics. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2019, 11, e1457.	6.6	35
11	Using first bout effect to study the mechanisms underlying eccentric exercise induced force loss. <i>Journal of Bodywork and Movement Therapies</i> , 2019, 23, 48-53.	0.5	1
12	Reciprocal inhibition between motor neurons of the tibialis anterior and triceps surae in humans. <i>Journal of Neurophysiology</i> , 2018, 119, 1699-1706.	0.9	27
13	In Vivo Neuromechanics: Decoding Causal Motor Neuron Behavior with Resulting Musculoskeletal Function. <i>Scientific Reports</i> , 2017, 7, 13465.	1.6	58
14	From Spiking Motor Units to Joint Function. <i>Biosystems and Biorobotics</i> , 2017, , 1275-1279.	0.2	0
15	Reflex Circuitry Originating from the Muscle Spindles to the Tibialis Anterior Muscle. <i>Biosystems and Biorobotics</i> , 2017, , 177-181.	0.2	0
16	The human motor neuron pools receive a dominant slowâ€varying common synaptic input. <i>Journal of Physiology</i> , 2016, 594, 5491-5505.	1.3	83
17	Estimating reflex responses in large populations of motor units by decomposition of the highâ€density surface electromyogram. <i>Journal of Physiology</i> , 2015, 593, 4305-4318.	1.3	46
18	Jaw tremor as a physiological biomarker of bruxism. <i>Clinical Neurophysiology</i> , 2015, 126, 1746-1753.	0.7	8

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19	Experimental muscle pain increases variability of neural drive to muscle and decreases motor unit coherence in tremor frequency band. <i>Journal of Neurophysiology</i> , 2015, 114, 1041-1047.	0.9	10
20	Limitations of the Spike-Triggered Averaging for Estimating Motor Unit Twitch Force: A Theoretical Analysis. <i>PLoS ONE</i> , 2014, 9, e92390.	1.1	9
21	Activation properties of trigeminal motoneurons in participants with and without bruxism. <i>Journal of Neurophysiology</i> , 2013, 110, 2863-2872.	0.9	9
22	Cutaneous silent period in human FDI motor units. <i>Experimental Brain Research</i> , 2010, 205, 455-463.	0.7	18
23	Effect of gender, age, fatigue and contraction level on electromechanical delay. <i>Clinical Neurophysiology</i> , 2010, 121, 1700-1706.	0.7	66