Xiaoyan Li

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2942735/publications.pdf

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40	805	471509	552781
papers	citations	17 h-index	26 g-index

40	40	40	755
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Distribution of innervation zone and muscle fiber conduction velocity in the biceps brachii muscle. Journal of Electromyography and Kinesiology, 2022, 63, 102637.	1.7	1
2	Alterations in Muscle Networks in the Upper Extremity of Chronic Stroke Survivors. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1026-1034.	4.9	14
3	CMAP Scan Examination of the First Dorsal Interosseous Muscle After Spinal Cord Injury. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1199-1205.	4.9	13
4	Muscle Fiber Diameter and Density Alterations after Stroke Examined by Single-Fiber EMG. Neural Plasticity, 2021, 2021, 1-7.	2.2	3
5	Assessing redistribution of muscle innervation zones after spinal cord injuries. Journal of Electromyography and Kinesiology, 2021, 59, 102550.	1.7	8
6	Neurophysiological Factors Affecting Muscle Innervation Zone Estimation Using Surface EMG: A Simulation Study. Biosensors, 2021, 11, 356.	4.7	4
7	Electromyography (EMG) examination on motor unit alterations after stroke. , 2020, , 51-64.		0
8	Motor unit number of the first dorsal interosseous muscle estimated from CMAP scan with different pulse widths and steps. Journal of Neural Engineering, 2020, 17, 014001.	3.5	9
9	Between-side differences in hand-grip strength across the age span: Findings from 2011â€“2014 NHANES and 2011 NIH Toolbox studies. Laterality, 2019, 24, 697-706.	1.0	10
10	Summary of grip strength measurements obtained in the 2011-2012 and 2013-2014 National Health and Nutrition Examination Surveys. Journal of Hand Therapy, 2019, 32, 489-496.	1.5	23
11	Two-Source Validation of Progressive FastICA Peel-Off for Automatic Surface EMG Decomposition in Human First Dorsal Interosseous Muscle. International Journal of Neural Systems, 2018, 28, 1850019.	5.2	28
12	Assessing Hand Muscle Structural Modifications in Chronic Stroke. Frontiers in Neurology, 2018, 9, 296.	2.4	10
13	Motor unit number estimation of human abductor hallucis from a compound muscle action potential scan. Muscle and Nerve, 2018, 58, 735-737.	2.2	12
14	Assessing muscle spasticity with Myotonometric and passive stretch measurements: validity of the Myotonometer. Scientific Reports, 2017, 7, 44022.	3.3	25
15	Assessing the immediate impact of botulinum toxin injection on impedance of spastic muscle. Medical Engineering and Physics, 2017, 43, 97-102.	1.7	8
16	Assessing muscle compliance in stroke with the Myotonometer. Clinical Biomechanics, 2017, 50, 110-113.	1.2	8
17	Electrical impedance myography changes after incomplete cervical spinal cord injury: An examination of hand muscles. Clinical Neurophysiology, 2017, 128, 2242-2247.	1.5	13
18	Electrical Impedance Myography for Evaluating Paretic Muscle Changes After Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2113-2121.	4.9	21

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19	Different Effects of Cold Stimulation on Reflex and Non-Reflex Components of Poststroke Spastic Hypertonia. Frontiers in Neurology, 2017, 8, 169.	2.4	8
20	Alterations in Localized Electrical Impedance Myography of Biceps Brachii Muscles Paralyzed by Spinal Cord Injury. Frontiers in Neurology, 2017, 8, 253.	2.4	9
21	Localized Electrical Impedance Myography of the Biceps Brachii Muscle during Different Levels of Isometric Contraction and Fatigue. Sensors, 2016, 16, 581.	3.8	39
22	A dilemma in stroke application: Standard or modified motor unit number index?. Clinical Neurophysiology, 2016, 127, 2756-2759.	1.5	4
23	Modified motor unit number index: A simulation study of the first dorsal interosseous muscle. Medical Engineering and Physics, 2016, 38, 115-120.	1.7	11
24	Application of the ${m F}$-Response for Estimating Motor Unit Number and Amplitude Distribution in Hand Muscles of Stroke Survivors. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 674-681.	4.9	20
25	The Effect of Subcutaneous Fat on Electrical Impedance Myography: Electrode Configuration and Multi-Frequency Analyses. PLoS ONE, 2016, 11, e0156154.	2.5	16
26	Alterations in multidimensional motor unit number index of hand muscles after incomplete cervical spinal cord injury. Frontiers in Human Neuroscience, 2015, 9, 238.	2.0	19
27	Analysis of linear electrode array EMG for assessment of hemiparetic biceps brachii muscles. Frontiers in Human Neuroscience, 2015, 9, 569.	2.0	31
28	An examination of motor unit number index in adults with cerebral palsy. Journal of Electromyography and Kinesiology, 2015, 25, 444-450.	1.7	24
29	Motor unit number index examination in dominant and non-dominant hand muscles. Laterality, 2015, 20, 699-710.	1.0	11
30	Examination of Poststroke Alteration in Motor Unit Firing Behavior Using High-Density Surface EMG Decomposition. IEEE Transactions on Biomedical Engineering, 2015, 62, 1242-1252.	4.2	81
31	Suppression of stimulus artifact contaminating electrically evoked electromyography. NeuroRehabilitation, 2014, 34, 381-389.	1.3	19
32	Power spectral analysis of surface electromyography (EMG) at matched contraction levels of the first dorsal interosseous muscle in stroke survivors. Clinical Neurophysiology, 2014, 125, 988-994.	1.5	58
33	EMG feature assessment for myoelectric pattern recognition and channel selection: A study with incomplete spinal cord injury. Medical Engineering and Physics, 2014, 36, 975-980.	1.7	47
34	Alterations in the Peak Amplitude Distribution of the Surface Electromyogram Poststroke. IEEE Transactions on Biomedical Engineering, 2013, 60, 845-852.	4.2	36
35	An Examination of the Motor Unit Number Index (MUNIX) in Muscles Paralyzed by Spinal Cord Injury. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 1143-1149.	3.2	35
36	A Simulation-Based Analysis of Motor Unit Number Index (MUNIX) Technique Using Motoneuron Pool and Surface Electromyogram Models. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2012, 20, 297-304.	4.9	30

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37	Computing motor unit number index of the first dorsal interosseous muscle with two different contraction tasks. Medical Engineering and Physics, 2012, 34, 1209-1212.	1.7	13
38	Motor Unit Number Reductions in Paretic Muscles of Stroke Survivors. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 505-512.	3.2	69
39	The effects of notch filtering on electrically evoked myoelectric signals and associated motor unit index estimates. Journal of NeuroEngineering and Rehabilitation, 2011, 8, 64.	4.6	14
40	Alterations in spike amplitude distribution of the surface electromyogram post-stroke. , 2011, 2011, 7504-7.		1