

Maria Piotrkiewicz

List of Publications by Year in descending order

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35
papers

376
citations

840585

11
h-index

887953

17
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37
all docs

37
docs citations

37
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of computer simulations in the investigation of mechanisms underlying rhythmic firing of human motoneuron. <i>Biocybernetics and Biomedical Engineering</i> , 2021, 41, 1406-1417.	3.3	0
2	Potential Preventive Strategies for Amyotrophic Lateral Sclerosis. <i>Frontiers in Neuroscience</i> , 2020, 14, 428.	1.4	11
3	Impact of comorbidities and co-medication on disease onset and progression in a large German ALS patient group. <i>Journal of Neurology</i> , 2020, 267, 2130-2141.	1.8	23
4	Motor units as tools to evaluate profile of human Renshaw inhibition. <i>Journal of Physiology</i> , 2019, 597, 2185-2199.	1.3	20
5	Influence of Environment and Lifestyle on Incidence and Progress of Amyotrophic Lateral Sclerosis in A German ALS Population. , 2019, 10, 205.		18
6	Are There Modifiable Environmental Factors Related to Amyotrophic Lateral Sclerosis?. <i>Frontiers in Neurology</i> , 2018, 9, 220.	1.1	8
7	Bilateral changes in afterhyperpolarization duration of spinal motoneurons in post-stroke patients. <i>PLoS ONE</i> , 2018, 13, e0189845.	1.1	0
8	International Survey of ALS Experts about Critical Questions for Assessing Patients with ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2017, 18, 505-510.	1.1	17
9	Onion Skin or Common Drive?. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 2.	1.8	20
10	Mechanisms underlying firing in healthy and sick human motoneurons. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 174.	1.0	2
11	Method of automatic recognition and other solutions used in new computer program for full decomposition of EMG signals. <i>Biocybernetics and Biomedical Engineering</i> , 2015, 35, 22-29.	3.3	5
12	Are Human Digit Muscles Devoid of Recurrent Inhibition?. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 507.	1.8	3
13	Afterhyperpolarization of human motoneurons firing double and triple discharges. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 373.	1.0	6
14	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2014, 34, 415.	1.0	1
15	Amyotrophic lateral sclerosis: a dying motor unit?. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 7.	1.7	8
16	Double discharges in human soleus muscle. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 843.	1.0	8
17	Assessment of Human Motoneuron Afterhyperpolarization Duration in Health and Disease. <i>Biocybernetics and Biomedical Engineering</i> , 2012, 32, 43-61.	3.3	7
18	Is spike frequency adaptation an artefact? Insight from human studies. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 50.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Analysis of motoneuron responses to composite synaptic volleys (computer simulation study). <i>Experimental Brain Research</i> , 2012, 217, 209-221.	0.7	4
20	Threshold-Crossing Model of Human Motoneuron. <i>Lecture Notes in Computer Science</i> , 2012, , 209-218.	1.0	1
21	Motoneuron afterhyperpolarisation duration in amyotrophic lateral sclerosis. <i>Journal of Physiology</i> , 2011, 589, 2745-2754.	1.3	29
22	Computer simulation study of the relationship between the profile of excitatory postsynaptic potential and stimulus-correlated motoneuron firing. <i>Biological Cybernetics</i> , 2009, 100, 215-230.	0.6	8
23	Analysis of double discharges in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2008, 38, 845-854.	1.0	24
24	Time Course Analysis of the Effects of Botulinum Toxin Type A on Elbow Spasticity Based on Biomechanic and Electromyographic Parameters. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 692-699.	0.5	26
25	Age-related change in duration of afterhyperpolarization of human motoneurons. <i>Journal of Physiology</i> , 2007, 585, 483-490.	1.3	42
26	Tetanic potentiation in motor units of rat medial gastrocnemius. <i>Acta Neurobiologiae Experimentalis</i> , 2007, 67, 35-42.	0.4	7
27	Recurrent inhibition of human firing motoneurons (experimental and modeling study). <i>Biological Cybernetics</i> , 2004, 91, 243-257.	0.6	7
28	An influence of afterhyperpolarization on the pattern of motoneuronal rhythmic activity. <i>Journal of Physiology (Paris)</i> , 1999, 93, 125-133.	2.1	31
29	Motoneurons are altered in muscular dystrophy. <i>Journal of Physiology (Paris)</i> , 1999, 93, 167-173.	2.1	1
30	Are motoneurons involved in muscular dystrophy?. <i>Clinical Neurophysiology</i> , 1999, 110, 1111-1122.	0.7	12
31	PS-18-1 The peculiarities of motoneurone activity in muscular dystrophy. <i>Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control</i> , 1995, 97, S127.	1.4	0
32	Excitability of single firing human motoneurons to single and repetitive stimulation (experiment and) Tj ETQq0 0 0 rgBT /Overlock 10 Tt	0.8	13
33	A method of description of single muscle fibre action potential by an analytical function $V(t, r)$. <i>Biological Cybernetics</i> , 1987, 56, 237-245.	0.6	10
34	Motor unit action potential shape - Its variability studied by means of computer simulation. <i>Electroencephalography and Clinical Neurophysiology</i> , 1983, 56, S152-S153.	0.3	0
35	Influence of the direction of demagnetization on the parameters of diffusion after-effect. <i>Physica Status Solidi A</i> , 1975, 32, 247-253.	1.7	0