

# Maria Piotrkiewicz

## List of Publications by Year in descending order

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35  
papers

376  
citations

840776

11  
h-index

888059

17  
g-index

37  
all docs

37  
docs citations

37  
times ranked

420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Age-related change in duration of afterhyperpolarization of human motoneurons. <i>Journal of Physiology</i> , 2007, 585, 483-490.	2.9	42
2	An influence of afterhyperpolarization on the pattern of motoneuronal rhythmic activity. <i>Journal of Physiology (Paris)</i> , 1999, 93, 125-133.	2.1	31
3	Motoneuron afterhyperpolarisation duration in amyotrophic lateral sclerosis. <i>Journal of Physiology</i> , 2011, 589, 2745-2754.	2.9	29
4	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.	0.9	26
5	Analysis of double discharges in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2008, 38, 845-854.	2.2	24
6	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.	3.6	23
7	Onion Skin or Common Drive?. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 2.	3.7	20
8	Motor units as tools to evaluate profile of human Renshaw inhibition. <i>Journal of Physiology</i> , 2019, 597, 2185-2199.	2.9	20
9	Influence of Environment and Lifestyle on Incidence and Progress of Amyotrophic Lateral Sclerosis in A German ALS Population. , 2019, 10, 205.		18
10	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.	1.7	17
11	Excitability of single firing human motoneurons to single and repetitive stimulation (experiment and) Tj ETQq1 1 0,784314 rgBT /Overl 1.3 18		
12	Are motoneurons involved in muscular dystrophy?. <i>Clinical Neurophysiology</i> , 1999, 110, 1111-1122.	1.5	12
13	Potential Preventive Strategies for Amyotrophic Lateral Sclerosis. <i>Frontiers in Neuroscience</i> , 2020, 14, 428.	2.8	11
14	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.	1.3	10
15	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.	1.3	8
16	Amyotrophic lateral sclerosis: a dying motor unit?. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 7.	3.4	8
17	Double discharges in human soleus muscle. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 843.	2.0	8
18	Are There Modifiable Environmental Factors Related to Amyotrophic Lateral Sclerosis?. <i>Frontiers in Neurology</i> , 2018, 9, 220.	2.4	8

#	ARTICLE	IF	CITATIONS
19	Recurrent inhibition of human firing motoneurons (experimental and modeling study). <i>Biological Cybernetics</i> , 2004, 91, 243-257.	1.3	7
20	Assessment of Human Motoneuron Afterhyperpolarization Duration in Health and Disease. <i>Biocybernetics and Biomedical Engineering</i> , 2012, 32, 43-61.	5.9	7
21	Tetanic potentiation in motor units of rat medial gastrocnemius. <i>Acta Neurobiologiae Experimentalis</i> , 2007, 67, 35-42.	0.7	7
22	Afterhyperpolarization of human motoneurons firing double and triple discharges. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 373.	2.0	6
23	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.	5.9	5
24	Analysis of motoneuron responses to composite synaptic volleys (computer simulation study). <i>Experimental Brain Research</i> , 2012, 217, 209-221.	1.5	4
25	Is spike frequency adaptation an artefact? Insight from human studies. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 50.	3.7	3
26	Are Human Digit Muscles Devoid of Recurrent Inhibition?. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 507.	3.7	3
27	Mechanisms underlying firing in healthy and sick human motoneurons. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 174.	2.0	2
28	Motoneurons are altered in muscular dystrophy. <i>Journal of Physiology (Paris)</i> , 1999, 93, 167-173.	2.1	1
29	Threshold-Crossing Model of Human Motoneuron. <i>Lecture Notes in Computer Science</i> , 2012, , 209-218.	1.3	1
30	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2014, 34, 415.	1.8	1
31	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
32	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
33	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
34	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.	5.9	0
35	Bilateral changes in afterhyperpolarization duration of spinal motoneurons in post-stroke patients. <i>PLoS ONE</i> , 2018, 13, e0189845.	2.5	0