Maria Piotrkiewicz

List of Publications by Year
in descending order

35	376	840585 11	887953 17
papers	citations	h-index	g-index

37	37	37	420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ageâ€related change in duration of afterhyperpolarization of human motoneurones. Journal of Physiology, 2007, 585, 483-490.	1.3	42
2	An influence of afterhyperpolarization on the pattern of motoneuronal rhythmic activity. Journal of Physiology (Paris), 1999, 93, 125-133.	2.1	31
3	Motoneuron afterhyperpolarisation duration in amyotrophic lateral sclerosis. Journal of Physiology, 2011, 589, 2745-2754.	1.3	29
4	Time Course Analysis of the Effects of Botulinum Toxin Type A on Elbow Spasticity Based on Biomechanic and Electromyographic Parameters. Archives of Physical Medicine and Rehabilitation, 2008, 89, 692-699.	0.5	26
5	Analysis of double discharges in amyotrophic lateral sclerosis. Muscle and Nerve, 2008, 38, 845-854.	1.0	24
6	Impact of comorbidities and co-medication on disease onset and progression in a large German ALS patient group. Journal of Neurology, 2020, 267, 2130-2141.	1.8	23
7	Onion Skin or Common Drive?. Frontiers in Cellular Neuroscience, 2017, 11, 2.	1.8	20
8	Motor units as tools to evaluate profile of human Renshaw inhibition. Journal of Physiology, 2019, 597, 2185-2199.	1.3	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. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2017, 18, 505-510.	1.1	17
11	Excitability of single firing human motoneurones to single and repetitive stimulation (experiment and) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	13
12	Are motoneurons involved in muscular dystrophy?. Clinical Neurophysiology, 1999, 110, 1111-1122.	0.7	12
13	Potential Preventive Strategies for Amyotrophic Lateral Sclerosis. Frontiers in Neuroscience, 2020, 14, 428.	1.4	11
14	A method of description of single muscle fibre action potential by an analytical function V(t, r). Biological Cybernetics, 1987, 56, 237-245.	0.6	10
15	Computer simulation study of the relationship between the profile of excitatory postsynaptic potential and stimulus-correlated motoneuron firing. Biological Cybernetics, 2009, 100, 215-230.	0.6	8
16	Amyotrophic lateral sclerosis: a dying motor unit?. Frontiers in Aging Neuroscience, 2013, 5, 7.	1.7	8
17	Double discharges in human soleus muscle. Frontiers in Human Neuroscience, 2013, 7, 843.	1.0	8
18	Are There Modifiable Environmental Factors Related to Amyotrophic Lateral Sclerosis?. Frontiers in Neurology, 2018, 9, 220.	1.1	8

#	Article	IF	Citations
19	Recurrent inhibition of human firing motoneurons (experimental and modeling study). Biological Cybernetics, 2004, 91, 243-257.	0.6	7
20	Assessment of Human Motoneuron Afterhyperpolarization Duration in Health and Disease. Biocybernetics and Biomedical Engineering, 2012, 32, 43-61.	3.3	7
21	Tetanic potentiation in motor units of rat medial gastrocnemius. Acta Neurobiologiae Experimentalis, 2007, 67, 35-42.	0.4	7
22	Afterhyperpolarization of human motoneurons firing double and triple discharges. Frontiers in Human Neuroscience, 2014, 8, 373.	1.0	6
23	Method of automatic recognition and other solutions used in new computer program for full decomposition of EMG signals. Biocybernetics and Biomedical Engineering, 2015, 35, 22-29.	3.3	5
24	Analysis of motoneuron responses to composite synaptic volleys (computer simulation study). Experimental Brain Research, 2012, 217, 209-221.	0.7	4
25	Is spike frequency adaptation an artefact? Insight from human studies. Frontiers in Cellular Neuroscience, 2012, 6, 50.	1.8	3
26	Are Human Digit Muscles Devoid of Recurrent Inhibition?. Frontiers in Cellular Neuroscience, 2015, 9, 507.	1.8	3
27	Mechanisms underlying firing in healthy and sick human motoneurons. Frontiers in Human Neuroscience, 2015, 9, 174.	1.0	2
28	Motoneurons are altered in muscular dystrophy. Journal of Physiology (Paris), 1999, 93, 167-173.	2.1	1
29	Threshold-Crossing Model of Human Motoneuron. Lecture Notes in Computer Science, 2012, , 209-218.	1.0	1
30	Title is missing!. Journal of Medical and Biological Engineering, 2014, 34, 415.	1.0	1
31	Influence of the direction of demagnetization on the parameters of diffusion after-effect. Physica Status Solidi A, 1975, 32, 247-253.	1.7	0
32	Motor unit action potential shape â€" Its variability studied by means of computer simulation. Electroencephalography and Clinical Neurophysiology, 1983, 56, S152-S153.	0.3	0
33	PS-18-1 The pecularities of motoneurone activity in muscular dystrophy. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1995, 97, S127.	1.4	0
34	The role of computer simulations in the investigation of mechanisms underlying rhythmic firing of human motoneuron. Biocybernetics and Biomedical Engineering, 2021, 41, 1406-1417.	3.3	0
35	Bilateral changes in afterhyperpolarization duration of spinal motoneurones in post-stroke patients. PLoS ONE, 2018, 13, e0189845.	1.1	0