Paul E Barkhaus

List of Publications by Year
in descending order

47	1,306	567281 15	361022 35
papers	citations	h-index	g-index

47	47	47	887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Motor unit number index (MUNIX): principle, method, and findings in healthy subjects and in patients with motor neuron disease. Muscle and Nerve, 2010, 42, 798-807.	2.2	170
2	Motor Unit Number Index (MUNIX). IEEE Transactions on Biomedical Engineering, 2004, 51, 2209-2211.	4.2	157
3	Motor Unit Number Index (MUNIX): A novel neurophysiological marker for neuromuscular disorders; testâ€“retest reliability in healthy volunteers. Clinical Neurophysiology, 2011, 122, 1867-1872.	1.5	106
4	Tracking motor neuron loss in a set of six muscles in amyotrophic lateral sclerosis using the Motor Unit Number Index (MUNIX): a 15-month longitudinal multicentre trial. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 1172-1179.	1.9	97
5	Motor unit number estimation (MUNE): Where are we now?. Clinical Neurophysiology, 2018, 129, 1507-1516.	1.5	79
6	Multi-motor unit action potential analysis (MMA). Muscle and Nerve, 1995, 18, 1155-1166.	2.2	73
7	Reproducibility of MUNIX in patients with amyotrophic lateral sclerosis. Muscle and Nerve, 2011, 44, 919-922.	2.2	62
8	Recording characteristics of the surface EMG electrodes. Muscle and Nerve, 1994, 17, 1317-1323.	2.2	60
9	Contribution of reference electrode to the compound muscle action potential. Muscle and Nerve, 2007, 36, 87-92.	2.2	57
10	Motor Unit Number Index (MUNIX) detects motor neuron loss in pre-symptomatic muscles in Amyotrophic Lateral Sclerosis. Clinical Neurophysiology, 2017, 128, 495-500.	1.5	56
11	Quantitative electrophysiologic studies in sporadic inclusion body myositis. , 1999, 22, 480-487.		44
12	Motor unit number index: Guidelines for recording signals and their analysis. Muscle and Nerve, 2018, 58, 374-380.	2.2	44
13	Generation and propagation of the action potential. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2019, 160, 3-22.	1.8	30
14	Tibial motor nerve conduction studies: An investigation into the mechanism for amplitude drop of the proximal evoked response. Muscle and Nerve, 2011, 44, 776-782.	2.2	25
15	Quantitative motor unit action potential analysis in paraspinal muscles. Muscle and Nerve, 1997, 20, 373-375.	2.2	22
16	Amyotrophic lateral sclerosisâ€“specific quality of lifeâ€“short form (ALSSQOLâ€SF): A brief, reliable, and valid version of the ALSSQOLâ€R. Muscle and Nerve, 2018, 58, 646-654.	2.2	21
17	Some observations on fibrillations and positive sharp waves. , 2000, 23, 888-894.		20
18	On the selection of concentric needle electromyogram motor unit action potentials: Is the rise time criterion too restrictive?. Muscle and Nerve, 1996, 19, 1554-1560.	2.2	15

#	Article	IF	Citations
19	The extrapolated reference values procedure: Theory, algorithm, and results in patients and control subjects. Muscle and Nerve, 2018, 57, 90-95.	2.2	14
20	Assessment of the reliability of the motor unit size index (MUSIX) in single subject â€œround-robinâ€•and multi-centre settings. Clinical Neurophysiology, 2019, 130, 666-674.	1.5	13
21	Motor Neuron Generation from iPSCs from Identical Twins Discordant for Amyotrophic Lateral Sclerosis. Cells, 2020, 9, 571.	4.1	13
22	Motor unit number index (MUNIX) and compound muscle action potential amplitude: A reappraisal. Clinical Neurophysiology, 2019, 130, 2010-2011.	1.5	12
23	Selection design phase II trial of high dosages of tamoxifen and creatine in amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2020, 21, 15-23.	1.7	12
24	â€œSlowâ€•myotonic discharges. Muscle and Nerve, 2006, 34, 799-800.	2.2	11
25	US data on children and youth caregivers in amyotrophic lateral sclerosis. Neurology, 2020, 94, e1452-e1459.	1.1	10
26	Analysis of the compound muscle action potential scan: Step index (STEPIX) and amplitude index (AMPIX). Clinical Neurophysiology, 2022, 139, 119-127.	1.5	10
27	Sensitivity of fasciculation potential detection is dramatically reduced by spatial filtering of surface electromyography. Clinical Neurophysiology, 2014, 125, 1498-1500.	1.5	9
28	COL6A and LAMA2 Mutation Congenital Muscular Dystrophy: A Clinical and Electrophysiological Study. Journal of Clinical Neuromuscular Disease, 2018, 19, 108-116.	0.7	8
29	Form factor analysis of the surface electromyographic interference pattern. Muscle and Nerve, 2020, 62, 233-238.	2.2	8
30	Spike sorting paradigm for classification of multi-channel recorded fasciculation potentials. Computers in Biology and Medicine, 2014, 55, 26-35.	7.0	6
31	Influence of reference electrode position on the compound muscle action potential. Clinical Neurophysiology, 2020, 131, 160-166.	1.5	6
32	Skill, confidence and support: conceptual elements of a child/youth caregiver training program in amyotrophic lateral sclerosis â€“ the YCare protocol. Neurodegenerative Disease Management, 2020, 10, 231-241.	2.2	6
33	Reinnervation as measured by the motor unit size index is associated with preservation of muscle strength in amyotrophic lateral sclerosis, but not all muscles reinnervate. Muscle and Nerve, 2022, 65, 203-210.	2.2	6
34	Deep brain stimulator artifact in needle electromyography: Effects and distribution in paraspinal and upper limb muscle. Muscle and Nerve, 2013, 47, 561-565.	2.2	5
35	Stimulated jitter analysis in the early diagnosis of infant botulism. Muscle and Nerve, 2015, 52, 309-310.	2.2	4
36	Tibial nerve Fâ€wave recordings. Muscle and Nerve, 2015, 52, 997-1000.	2.2	3

#	Article	IF	Citations
37	M e R ef: Multivariable extrapolated reference values in motor nerve conduction studies. Muscle and Nerve, 2021, 63, 737-744.	2.2	3
38	Severe Neonatal RYR1 Myopathy With Pathological Features of Congenital Muscular Dystrophy. Journal of Neuropathology and Experimental Neurology, 2019, 78, 283-287.	1.7	3
39	Motor unit potential induced neurotonia (MINT). Muscle and Nerve, 2014, 50, 148-149.	2.2	1
40	Motor Unit Number Index (MUNIX) and the Chowkidar. Clinical Neurophysiology, 2018, 129, 1714-1715.	1.5	1
41	ALSUntangled 59: Tamoxifen. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2021, 22, 595-598.	1.7	1
42	Atypical fibrillation and fasciculation potentials: An exercise in waveform identification and analysis. Muscle and Nerve, 2021, 63, 657-660.	2.2	1
43	Experiment for teaching virtual cathode in nerve conduction studies. Muscle and Nerve, 2021, 64, 86-89.	2.2	1
44	ALSUntangled #62: vitamin C. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2021, , 1-4.	1.7	1
45	Reply. Muscle and Nerve, 2015, 52, 692-692.	2.2	0
46	Reply. Muscle and Nerve, 2018, 58, E31-E32.	2.2	0
47	ALSUntangled #60: light therapy. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2021, , 1-5.	1.7	0