

# Jonathan Norton

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,387  
citations

567144

15  
h-index

330025

37  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1504  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clinical use of the odstock dropped foot stimulator: Its effect on the speed and effort of walking. Archives of Physical Medicine and Rehabilitation, 1999, 80, 1577-1583.	0.5	246
2	Effects of transcranial direct current stimulation on the excitability of the leg motor cortex. Experimental Brain Research, 2007, 182, 281-287.	0.7	202
3	Changes in Cortically Related Intermuscular Coherence Accompanying Improvements in Locomotor Skills in Incomplete Spinal Cord Injury. Journal of Neurophysiology, 2006, 95, 2580-2589.	0.9	137
4	Patients' perceptions of the Odstock Dropped Foot Stimulator (ODFS). Clinical Rehabilitation, 1999, 13, 439-446.	1.0	107
5	Changes in sensory-evoked synaptic activation of motoneurons after spinal cord injury in man. Brain, 2008, 131, 1478-1491.	3.7	98
6	Changes in Locomotor Muscle Activity After Treadmill Training in Subjects With Incomplete Spinal Cord Injury. Journal of Neurophysiology, 2009, 101, 969-979.	0.9	78
7	Transcranial direct current stimulation of the primary motor cortex affects cortical drive to human musculature as assessed by intermuscular coherence. Journal of Physiology, 2006, 577, 795-803.	1.3	67
8	Locomotor-Related Networks in the Lumbosacral Enlargement of the Adult Spinal Cat: Activation Through Intraspinal Microstimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2006, 14, 266-272.	2.7	54
9	Clinical Audit of 5 Years Provision of the Odstock Dropped Foot Stimulator. Artificial Organs, 1999, 23, 440-442.	1.0	48
10	Role of Sustained Excitability of the Leg Motor Cortex After Transcranial Magnetic Stimulation in Associative Plasticity. Journal of Neurophysiology, 2007, 98, 657-667.	0.9	48
11	Volitional Muscle Strength in the Legs Predicts Changes in Walking Speed Following Locomotor Training in People With Chronic Spinal Cord Injury. Physical Therapy, 2011, 91, 931-943.	1.1	44
12	Spinally generated electromyographic oscillations and spasms in a low-thoracic complete paraplegic. Movement Disorders, 2003, 18, 101-106.	2.2	37
13	3D whole body scanning to determine mass properties of legs. Journal of Biomechanics, 2002, 35, 81-86.	0.9	30
14	Physiologically Based Controller for Generating Overground Locomotion Using Functional Electrical Stimulation. Journal of Neurophysiology, 2007, 97, 2499-2510.	0.9	29
15	Habituation of cutaneomuscular reflexes recorded from the first dorsal interosseous and triceps muscle in man. Journal of the Neurological Sciences, 2000, 177, 32-40.	0.3	18
16	Afferent inputs to mid- and lower-lumbar spinal segments are necessary for stepping in spinal cats. Annals of the New York Academy of Sciences, 2010, 1198, 10-20.	1.8	17
17	Recruitment by motor nerve root stimulators: significance for implant design. Medical Engineering and Physics, 2003, 25, 527-537.	0.8	13
18	Persistent mirror movements for over sixty years: The underlying mechanisms in a cerebral palsy patient. Clinical Neurophysiology, 2008, 119, 80-87.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Electromyography in Children's Laryngeal Mobility Disorders. <i>JAMA Otolaryngology</i> , 2012, 138, 936.	1.5	13
20	Utility of neurophysiology in the diagnosis of tethered cord syndrome. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 15, 434-437.	0.8	11
21	Simultaneous Measurement of Breathing Kinematics and Surface Electromyography of Chest Wall Muscles during Maximum Performance and Speech Tasks in Children: Methodological Considerations. <i>Folia Phoniatrica Et Logopaedica</i> , 2015, 67, 202-211.	0.5	9
22	Interpretation of surgical neuromonitoring data in Canada: a survey of practising surgeons. <i>Canadian Journal of Surgery</i> , 2015, 58, 206-208.	0.5	9
23	Patient reported outcomes following surgery for degenerative spondylolisthesis: comparison of a universal and multi-tier health care system. <i>Spine Journal</i> , 2019, 19, 24-33.	0.6	8
24	Neuromonitoring During Surgery for Paediatric Spinal Deformity in Canada (2007). <i>Canadian Journal of Neurological Sciences</i> , 2009, 36, 47-50.	0.3	7
25	Neural activity generated in the neural placode and nerve roots in the neonate with spina bifida. <i>Journal of Neurosurgery: Pediatrics</i> , 2012, 9, 452-456.	0.8	5
26	Uncrossed corticospinal tracts presenting as transient tumor-related symptomatology. <i>Acta Neurochirurgica</i> , 2021, 163, 947-951.	0.9	5
27	An fMRI, DTI and Neurophysiological Examination of Atypical Organization of Motor Cortex in Ipsilesional Hemisphere Following Post-Stroke Recovery. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105593.	0.7	5
28	Changing our thinking about walking. <i>Journal of Physiology</i> , 2010, 588, 4341-4341.	1.3	4
29	A novel device for the clearance and prevention of blockages within biomedical catheters. <i>Medical Engineering and Physics</i> , 2014, 36, 1526-1529.	0.8	4
30	Is the new ASNM intraoperative neuromonitoring supervision "guideline" a trustworthy guideline? A commentary. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 185-190.	0.7	3
31	Preservation of Motor Evoked Potentials Under Anesthesia in Children With Spinal Muscular Atrophy Type II Undergoing Spinal Deformity Surgery. <i>Journal of Clinical Neurophysiology</i> , 2013, 30, 382-385.	0.9	2
32	Phenomenology of neurophysiologic changes during surgical treatment of carotid stenosis using signal analysis. <i>Clinical Neurophysiology Practice</i> , 2018, 3, 28-32.	0.6	2
33	Training and Regulating Clinical Scientists in Canada: Online Training for Intraoperative Neuromonitoring?. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 5-6.	0.3	2
34	Considering Pedicle Screw Resistance in Electromyography of the Spine. <i>Operative Neurosurgery</i> , 2021, 20, 69-73.	0.4	2
35	Interpretation of surgical neuromonitoring data in canada: author response. <i>Canadian Journal of Surgery</i> , 2015, 58, E4.2-E5.	0.5	2
36	Letters. <i>Spine</i> , 2008, 33, 2576.	1.0	1

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37	Is Hemifacial Spasm of Peripheral or Central Origin?. Canadian Journal of Neurological Sciences, 2014, 41, 142-142.	0.3	1
38	The significance of hand movement mirroring in cerebral palsy. Developmental Medicine and Child Neurology, 2016, 58, 655-656.	1.1	1
39	Neurophysiological monitoring of displaced odontoid fracture reduction in a 3-year-old male. Spinal Cord Series and Cases, 2018, 4, 52.	0.3	1
40	Letters. Spine, 2010, 35, 714.	1.0	0
41	A Comparison of a Commercially Made Pedicle Stimulating Probe With a Custom-Made Device. Spine, 2011, 36, 1864-1866.	1.0	0
42	Letter to the Editor: Evoked potentials. Journal of Neurosurgery, 2011, 115, 1273-1274.	0.9	0
43	A lack of evidence for neurophysiological intraoperative monitoring?. Clinical Neurophysiology, 2016, 127, 2968-2969.	0.7	0
44	IONM protocols. Journal of Clinical Monitoring and Computing, 2021, 35, 957-958.	0.7	0
45	A performance comparison of the most commonly used minimally invasive monitors of cardiac output. Canadian Journal of Anaesthesia, 2021, 68, 1668-1682.	0.7	0
46	Brainstem Auditory Evoked Potentials. , 2014, , 137-144.		0