Hugh Bostock

List of Publications by Year in Descending Order

225 papers	11,263 citations	59 h-index	102 g-index
234 ext. papers	12,259 ext. citations	5.5 avg, IF	6.12 L-index

#	Paper	IF	Citations
225	A test to determine the site of abnormal neuromuscular refractoriness.. *Clinical Neurophysiology Practice*, **2022**, 7, 1-6	3.8	
224	Short latency afferent inhibition: comparison between threshold-tracking and conventional amplitude recording methods.. *Experimental Brain Research*, **2022**, 240, 1241	2.3	
223	Development and early diagnosis of critical illness myopathy in COVID-19 associated acute respiratory distress syndrome.. *Journal of Cachexia, Sarcopenia and Muscle*, **2022**,	10.3	2
222	The role of potassium in muscle membrane dysfunction in end-stage renal disease. *Clinical Neurophysiology*, **2021**, 132, 3125-3135	4.3	2
221	Comparison of figure-of-8 and circular coils for threshold tracking transcranial magnetic stimulation measurements. *Neurophysiologie Clinique*, **2021**, 51, 153-160	2.7	1
220	Early detection of evolving critical illness myopathy with muscle velocity recovery cycles. *Clinical Neurophysiology*, **2021**, 132, 1347-1357	4.3	5
219	Early diagnosis of amyotrophic lateral sclerosis by threshold tracking and conventional transcranial magnetic stimulation. *European Journal of Neurology*, **2021**, 28, 3030-3039	6	2
218	Short-interval intracortical inhibition as a function of inter-stimulus interval: Three methods compared. *Brain Stimulation*, **2021**, 14, 22-32	5.1	5
217	Effect of intermittent high-frequency stimulation on muscle velocity recovery cycle recordings. *Journal of Neurophysiology*, **2021**, 126, 736-742	3.2	1
216	Muscle Velocity Recovery Cycles to Examine Muscle Membrane Properties. *Journal of Visualized Experiments*, **2020**,	1.6	6
215	In vivo assessment of interictal sarcolemmal membrane properties in hypokalaemic and hyperkalaemic periodic paralysis. *Clinical Neurophysiology*, **2020**, 131, 816-827	4.3	4
214	MScanFit motor unit number estimation and muscle velocity recovery cycle recordings in diabetic polyneuropathy. *Clinical Neurophysiology*, **2020**, 131, 2591-2599	4.3	8
213	Measurement of axonal excitability: Consensus guidelines. *Clinical Neurophysiology*, **2020**, 131, 308-323	4.3	31
212	Detection of early motor involvement in diabetic polyneuropathy using a novel MUNE method - MScanFit MUNE. *Clinical Neurophysiology*, **2019**, 130, 1981-1987	4.3	14
211	MScanFit motor unit number estimation (MScan) and muscle velocity recovery cycle recordings in amyotrophic lateral sclerosis patients. *Clinical Neurophysiology*, **2019**, 130, 1280-1288	4.3	12
210	Conduction block in immune-mediated neuropathy: paranodopathy versus axonopathy. *European Journal of Neurology*, **2019**, 26, 1121-1129	6	10
209	Following disease progression in motor neuron disorders with 3 motor unit number estimation methods. *Muscle and Nerve*, **2019**, 59, 82-87	3.4	22

208	Motor unit number index and compound muscle action potential amplitude. *Clinical Neurophysiology*, **2019**, 130, 1734-1740	4.3	15
207	Reply to "Motor Unit Number Index (MUNIX) and Compound Muscle Action Potential". *Clinical Neurophysiology*, **2019**, 130, 2012	4.3	
206	Reply to "MUNIX value dependence on surface electromyogram properties". *Clinical Neurophysiology*, **2019**, 130, 2290	4.3	
205	Tracking small sensory nerve action potentials in human axonal excitability studies. *Journal of Neuroscience Methods*, **2018**, 298, 45-53	3	10
204	Short-interval intracortical inhibition: Comparison between conventional and threshold-tracking techniques. *Brain Stimulation*, **2018**, 11, 806-817	5.1	34
203	In vivo assessment of muscle membrane properties in the sodium channel myotonias. *Muscle and Nerve*, **2018**, 57, 586-594	3.4	15
202	CMAP Scan MUNE (MScan) - A Novel Motor Unit Number Estimation (MUNE) Method. *Journal of Visualized Experiments*, **2018**,	1.6	9
201	Axonal excitability changes and acute symptoms of oxaliplatin treatment: In vivo evidence for slowed sodium channel inactivation. *Clinical Neurophysiology*, **2018**, 129, 694-706	4.3	37
200	Muscle membrane properties in A pig sepsis model: Effect of norepinephrine. *Muscle and Nerve*, **2018**, 57, 808-813	3.4	6
199	In vivo evidence for reduced ion channel expression in motor axons of patients with amyotrophic lateral sclerosis. *Journal of Physiology*, **2018**, 596, 5379-5396	3.9	10
198	Reproducibility, and sensitivity to motor unit loss in amyotrophic lateral sclerosis, of a novel MUNE method: MScanFit MUNE. *Clinical Neurophysiology*, **2017**, 128, 1380-1388	4.3	46
197	Nerve excitability changes related to muscle weakness in chronic progressive external ophthalmoplegia. *Clinical Neurophysiology*, **2017**, 128, 1258-1263	4.3	2
196	Reply to "Axonal hyperexcitability due to Schwann cell involvement in chronic progressive external ophthalmoplegia". *Clinical Neurophysiology*, **2017**, 128, 2098	4.3	
195	Motor unit remodelling in multifocal motor neuropathy: The importance of axonal loss. *Clinical Neurophysiology*, **2017**, 128, 2022-2028	4.3	20
194	Sensitivity to ischaemia of single sympathetic nerve fibres innervating the dorsum of the human foot. *Journal of Physiology*, **2017**, 595, 4467-4473	3.9	1
193	Muscle action potential scans and ultrasound imaging in neurofibromatosis type 2. *Muscle and Nerve*, **2017**, 55, 350-358	3.4	10
192	Relative sparing of the second lumbrical muscle in carpal tunnel syndrome is not associated with regional differences in axonal membrane potential. *Clinical Neurophysiology*, **2016**, 127, 905-910	4.3	1
191	Accommodation to hyperpolarization of human axons assessed in the frequency domain. *Journal of Neurophysiology*, **2016**, 116, 322-35	3.2	6

190	In vivo impact of presynaptic calcium channel dysfunction on motor axons in episodic ataxia type 2. *Brain*, **2016**, 139, 380-91	11.2	9
189	Muscle velocity recovery cycles: Comparison between surface and needle recordings. *Muscle and Nerve*, **2016**, 53, 205-8	3.4	3
188	Estimating motor unit numbers from a CMAP scan. *Muscle and Nerve*, **2016**, 53, 889-96	3.4	53
187	In vivo assessment of muscle membrane properties in myotonic dystrophy. *Muscle and Nerve*, **2016**, 54, 249-57	3.4	13
186	Force training induces changes in human muscle membrane properties. *Muscle and Nerve*, **2016**, 54, 144-6	3.4	6
185	Early changes of muscle membrane properties in porcine faecal peritonitis. *Critical Care*, **2014**, 18, 484	10.8	14
184	Axonal dysfunction with voltage gated potassium channel complex antibodies. *Experimental Neurology*, **2014**, 261, 337-42	5.7	11
183	Potassium and the excitability properties of normal human motor axons in vivo. *PLoS ONE*, **2014**, 9, e98262	3.7	18
182	Hyperexcitable C nociceptors in fibromyalgia. *Annals of Neurology*, **2014**, 75, 196-208	9.4	164
181	Chloride channels in myotonia congenita assessed by velocity recovery cycles. *Muscle and Nerve*, **2014**, 49, 845-57	3.4	27
180	Episodic ataxia type 1 without episodic ataxia: the diagnostic utility of nerve excitability studies in individuals with KCNA1 mutations. *Developmental Medicine and Child Neurology*, **2013**, 55, 959-62	3.3	8
179	Protons regulate the excitability properties of rat myelinated sensory axons in vitro through block of persistent sodium currents. *Journal of the Peripheral Nervous System*, **2012**, 17, 102-11	4.7	5
178	Microneurographic identification of spontaneous activity in C-nociceptors in neuropathic pain states in humans and rats. *Pain*, **2012**, 153, 42-55	8	127
177	In vivo loss of slow potassium channel activity in individuals with benign familial neonatal epilepsy in remission. *Brain*, **2012**, 135, 3144-52	11.2	14
176	Muscle velocity recovery cycles: effects of repetitive stimulation on two muscles. *Muscle and Nerve*, **2012**, 46, 102-11	3.4	21
175	Validity of multi-fiber muscle velocity recovery cycles recorded at a single site using submaximal stimuli. *Clinical Neurophysiology*, **2012**, 123, 2296-305	4.3	13
174	The voltage dependence of I(h) in human myelinated axons. *Journal of Physiology*, **2012**, 590, 1625-40	3.9	104
173	Membrane dysfunction in Andersen-Tawil syndrome assessed by velocity recovery cycles. *Muscle and Nerve*, **2012**, 46, 193-203	3.4	23

172	Temperature dependency of human muscle velocity recovery cycles. *Muscle and Nerve*, **2012**, 46, 264-6	3.4	8
171	Muscle membrane dysfunction in critical illness myopathy assessed by velocity recovery cycles. *Clinical Neurophysiology*, **2011**, 122, 834-41	4.3	49
170	Velocity recovery cycles of human muscle action potentials: repeatability and variability. *Clinical Neurophysiology*, **2011**, 122, 2294-9	4.3	18
169	A model of mouse motor nerve excitability and the effects of polarizing currents. *Journal of the Peripheral Nervous System*, **2011**, 16, 322-33	4.7	9
168	Double and triple spikes in C-nociceptors in neuropathic pain states: an additional peripheral mechanism of hyperalgesia. *Pain*, **2011**, 152, 343-353	8	30
167	Die Methode der Nervenexzitabilitätsmessung. *Klinische Neurophysiologie*, **2011**, 42, 149-155	0.2	
166	Dysfunction of axonal membrane conductances in adolescents and young adults with spinal muscular atrophy. *Brain*, **2011**, 134, 3185-97	11.2	25
165	Muscle ischaemia in patients with orthostatic hypotension assessed by velocity recovery cycles. *Journal of Neurology, Neurosurgery and Psychiatry*, **2011**, 82, 1394-8	5.5	21
164	What makes some axons more excitable than others? **2011**, 32-35		
163	Properties of low-threshold motor axons in the human median nerve. *Journal of Physiology*, **2010**, 588, 2503-15	3.9	34
162	Nerve excitability studies characterize Kv1.1 fast potassium channel dysfunction in patients with episodic ataxia type 1. *Brain*, **2010**, 133, 3530-40	11.2	73
161	Unmyelinated afferents in human skin and their responsiveness to low temperature. *Neuroscience Letters*, **2010**, 470, 188-92	3.3	43
160	Microneurography in rats: a minimally invasive method to record single C-fiber action potentials from peripheral nerves in vivo. *Neuroscience Letters*, **2010**, 470, 168-74	3.3	25
159	Threshold-dependent effects on peripheral nerve in vivo excitability properties in the rat. *Neuroscience Letters*, **2010**, 468, 248-53	3.3	9
158	A search for activation of C nociceptors by sympathetic fibers in complex regional pain syndrome. *Clinical Neurophysiology*, **2010**, 121, 1072-9	4.3	41
157	Velocity recovery cycles of human muscle action potentials in chronic renal failure. *Clinical Neurophysiology*, **2010**, 121, 874-81	4.3	32
156	In vivo assessment of HCN channel current (I(h)) in human motor axons. *Muscle and Nerve*, **2010**, 41, 247-56	3.4	39
155	Excitability properties of mouse motor axons in the mutant SOD1(G93A) model of amyotrophic lateral sclerosis. *Muscle and Nerve*, **2010**, 41, 774-84	3.4	34

154	C-nociceptors sensitized to cold in a patient with small-fiber neuropathy and cold allodynia. *Pain*, **2009**, 147, 46-53	8	66
153	Velocity recovery cycles of human muscle action potentials and their sensitivity to ischemia. *Muscle and Nerve*, **2009**, 39, 616-26	3.4	45
152	345 LACK OF INTERACTION BETWEEN CUTANEOUS C-NOCICEPTORS AND SYMPATHETIC EFFERENT FIBRES IN PATIENTS WITH COMPLEX REGIONAL PAIN SYNDROME. *European Journal of Pain*, **2009**, 13, S105a	3.7	
151	Human cutaneous C fibres activated by cooling, heating and menthol. *Journal of Physiology*, **2009**, 587, 5633-52	3.9	88
150	Excitability properties of motor axons in the maturing mouse. *Journal of the Peripheral Nervous System*, **2009**, 14, 45-53	4.7	45
149	Plasticity of lower limb motor axons after cervical cord injury. *Clinical Neurophysiology*, **2009**, 120, 204-9	4.3	22
148	Change in excitability of motor axons modifies statistical MUNE results. *Supplements To Clinical Neurophysiology*, **2009**, 60, 27-37		2
147	Nerve function and dysfunction in acute intermittent porphyria. *Brain*, **2008**, 131, 2510-9	11.2	66
146	Nerve membrane excitability testing. *European Journal of Anaesthesiology*, **2008**, 42, 68-72	2.3	10
145	Axonal function in a family with episodic ataxia type 2 due to a novel mutation. *Journal of Neurology*, **2008**, 255, 750-5	5.5	15
144	Conduction and excitability properties of peripheral nerves in end-stage liver disease. *Muscle and Nerve*, **2007**, 35, 730-8	3.4	26
143	Multiple measures of axonal excitability in peripheral sensory nerves: an in vivo rat model. *Muscle and Nerve*, **2007**, 36, 628-36	3.4	19
142	Inflections in threshold electrotonus to depolarizing currents in sensory axons. *Muscle and Nerve*, **2007**, 36, 849-52	3.4	6
141	293 SPONTANEOUS IMPULSE GENERATION IN C-NOCICEPTORS OF FAMILIAL ERYTHROMELALGIA (FE) PATIENTS. *European Journal of Pain*, **2007**, 11, S130-S130	3.7	1
140	Velocity recovery cycles of single C fibres innervating rat skin. *Journal of Physiology*, **2007**, 578, 213-32	3.9	41
139	A rat in vitro model for the measurement of multiple excitability properties of cutaneous axons. *Clinical Neurophysiology*, **2007**, 118, 2404-12	4.3	17
138	Nerve excitability changes in critical illness polyneuropathy. *Brain*, **2006**, 129, 2461-70	11.2	592
137	Ischaemia induces paradoxical changes in axonal excitability in end-stage kidney disease. *Brain*, **2006**, 129, 1585-92	11.2	22

136	Neuropathy, axonal Na+/K+ pump function and activity-dependent excitability changes in end-stage kidney disease. *Clinical Neurophysiology*, **2006**, 117, 992-9	4.3	30
135	Distal excitability changes in motor axons in amyotrophic lateral sclerosis. *Clinical Neurophysiology*, **2006**, 117, 1444-8	4.3	53
134	FC28.1 MEMFIT: A computer program to aid interpretation of multiple excitability measurements on human motor axons. *Clinical Neurophysiology*, **2006**, 117, 1	4.3	25
133	Altered axonal excitability properties in amyotrophic lateral sclerosis: impaired potassium channel function related to disease stage. *Brain*, **2006**, 129, 953-62	11.2	196
132	Activity-dependent modulation of axonal excitability in unmyelinated peripheral rat nerve fibers by the 5-HT(3) serotonin receptor. *Journal of Neurophysiology*, **2006**, 96, 2963-71	3.2	33
131	Chapter 17 Assessment of nerve excitability properties in peripheral nerve disease. *Handbook of Clinical Neurophysiology*, **2006**, 7, 381-403		11
130	236 AN IN VITRO RAT MODEL TO MEASURE THE EXCITABILITY PROPERTIES OF PERIPHERAL SENSORY AXONS. *European Journal of Pain*, **2006**, 10, S64a-S64	3.7	
129	KCNQ channels mediate IKs, a slow K+ current regulating excitability in the rat node of Ranvier. *Journal of Physiology*, **2006**, 573, 17-34	3.9	170
128	Altered motor nerve excitability in end-stage kidney disease. *Brain*, **2005**, 128, 2164-74	11.2	95
127	After-effects of near-threshold stimulation in single human motor axons. *Journal of Physiology*, **2005**, 564, 931-40	3.9	30
126	Acute tetrodotoxin-induced neurotoxicity after ingestion of puffer fish. *Annals of Neurology*, **2005**, 57, 339-48	9.4	145
125	Hyperexcitable polymodal and insensitive nociceptors in painful human neuropathy. *Muscle and Nerve*, **2005**, 32, 459-72	3.4	107
124	Evidence for motor axon depolarization in Fabry disease. *Muscle and Nerve*, **2005**, 32, 548-51	3.4	20
123	Nerve Excitability Measures: Biophysical Basis and Use in the Investigation of Peripheral Nerve Disease **2005**, 113-129		16
122	Temperature-dependent double spikes in C-nociceptors of neuropathic pain patients. *Brain*, **2005**, 128, 2154-63	11.2	69
121	Has potassium been prematurely discarded as a contributing factor to the development of uraemic neuropathy?. *Nephrology Dialysis Transplantation*, **2004**, 19, 1054-7	4.3	30
120	Two types of C nociceptors in human skin and their behavior in areas of capsaicin-induced secondary hyperalgesia. *Journal of Neurophysiology*, **2004**, 91, 2770-81	3.2	105
119	Nerve excitability properties in Charcot-Marie-Tooth disease type 1A. *Brain*, **2004**, 127, 203-11	11.2	71

118	Partial reversal of conduction slowing during repetitive stimulation of single sympathetic efferents in human skin. *Acta Physiologica Scandinavica*, **2004**, 182, 305-11		48
117	Variations in excitability of single human motor axons, related to stochastic properties of nodal sodium channels. *Journal of Physiology*, **2004**, 559, 953-64	3.9	34
116	Threshold electrotonus in chronic inflammatory demyelinating polyneuropathy: correlation with clinical profiles. *Muscle and Nerve*, **2004**, 29, 28-37	3.4	52
115	Excitability properties of human median axons measured at the motor point. *Muscle and Nerve*, **2004**, 29, 227-33	3.4	16
114	Nerve excitability studies: past, present, future?. *Supplements To Clinical Neurophysiology*, **2004**, 57, 85-90		3
113	The refractory period of transmission is impaired in axonal Guillain-Barr syndrome. *Muscle and Nerve*, **2003**, 28, 683-9	3.4	44
112	Velocity recovery cycles of C fibres innervating human skin. *Journal of Physiology*, **2003**, 553, 649-63	3.9	58
111	Evidence for axonal membrane hyperpolarization in multifocal motor neuropathy with conduction block. *Brain*, **2002**, 125, 664-75	11.2	148
110	Differences in membrane properties of axonal and demyelinating Guillain-Barr syndromes. *Annals of Neurology*, **2002**, 52, 180-7	9.4	87
109	Axonal hyperpolarization associated with acute hypokalemia: multiple excitability measurements as indicators of the membrane potential of human axons. *Muscle and Nerve*, **2002**, 26, 283-7	3.4	38
108	Two phases of intracortical inhibition revealed by transcranial magnetic threshold tracking. *Experimental Brain Research*, **2002**, 143, 240-8	2.3	298
107	Nerve excitability changes in chronic renal failure indicate membrane depolarization due to hyperkalaemia. *Brain*, **2002**, 125, 1366-78	11.2	111
106	Clinical evaluation of excitability measures in sensory nerve. *Muscle and Nerve*, **2001**, 24, 883-92	3.4	128
105	Distal excitability properties of median motor axons. *Muscle and Nerve*, **2001**, 24, 1695-8	3.4	8
104	Slowly conducting afferents activated by innocuous low temperature in human skin. *Journal of Physiology*, **2001**, 535, 855-65	3.9	139
103	Abnormal axonal inward rectifier in streptozocin-induced experimental diabetic neuropathy. *Brain*, **2001**, 124, 1149-55	11.2	30
102	Excitability properties of motor axons in patients with spontaneous motor unit activity. *Journal of Neurology, Neurosurgery and Psychiatry*, **2001**, 70, 56-64	5.5	78
101	Effects of temperature on the excitability properties of human motor axons. *Brain*, **2001**, 124, 816-25	11.2	119

100	Excitability of human axons. *Clinical Neurophysiology*, **2001**, 112, 1575-85	4.3	339
99	ATP affects both axons and Schwann cells of unmyelinated C fibres. *Pain*, **2001**, 92, 343-350	8	46
98	Clinical evaluation of excitability measures in sensory nerve **2001**, 24, 883		1
97	Effects of membrane polarization and ischaemia on the excitability properties of human motor axons. *Brain*, **2000**, 123 Pt 12, 2542-51	11.2	236
96	Mechanisms of paresthesias arising from healthy axons. *Muscle and Nerve*, **2000**, 23, 310-20	3.4	53
95	Multiple measures of axonal excitability: a new approach in clinical testing. *Muscle and Nerve*, **2000**, 23, 399-409	3.4	352
94	Effect of maturation on nerve excitability in an experimental model of threshold electrotonus. *Muscle and Nerve*, **2000**, 23, 498-506	3.4	43
93	Excitability properties of median and peroneal motor axons. *Muscle and Nerve*, **2000**, 23, 1365-73	3.4	62
92	Activity-dependent conduction block in multifocal motor neuropathy. *Brain*, **2000**, 123 (Pt 8), 1602-11	11.2	84
91	Human axons contain at least five types of voltage-dependent potassium channel. *Journal of Physiology*, **1999**, 518 (Pt 3), 681-96	3.9	62
90	Activity-dependent slowing of conduction differentiates functional subtypes of C fibres innervating human skin. *Journal of Physiology*, **1999**, 515 (Pt 3), 799-811	3.9	146
89	Characterisation of paired-pulse transcranial magnetic stimulation conditions yielding intracortical inhibition or I-wave facilitation using a threshold-hunting paradigm. *Experimental Brain Research*, **1999**, 129, 317-24	2.3	62
88	The pH dependence of late sodium current in large sensory neurons. *Neuroscience*, **1999**, 92, 1119-30	3.9	41
87	Threshold tracking techniques in the study of human peripheral nerve. *Muscle and Nerve*, **1998**, 21, 137-58	3.4	421
86	Ischemic resistance of cutaneous afferents and motor axons in patients with amyotrophic lateral sclerosis. *Muscle and Nerve*, **1998**, 21, 1692-700	3.4	14
85	Strength-duration properties of sensory and motor axons in amyotrophic lateral sclerosis. *Brain*, **1998**, 121 (Pt 5), 851-9	11.2	113
84	Inactivation of macroscopic late Na+ current and characteristics of unitary late Na+ currents in sensory neurons. *Journal of Neurophysiology*, **1998**, 80, 2538-49	3.2	33
83	Modulation of voltage-activated calcium currents by mechanical stimulation in rat sensory neurons. *Journal of Neurophysiology*, **1998**, 80, 1647-52	3.2	7

82	Latent addition in motor and sensory fibres of human peripheral nerve. *Journal of Physiology*, **1997**, 498 (Pt 1), 277-94	3.9	218
81	Excitability changes in human sensory and motor axons during hyperventilation and ischaemia. *Brain*, **1997**, 120 (Pt 2), 317-25	11.2	101
80	Low-threshold, persistent sodium current in rat large dorsal root ganglion neurons in culture. *Journal of Neurophysiology*, **1997**, 77, 1503-13	3.2	114
79	A distributed-parameter model of the myelinated human motor nerve fibre: temporal and spatial distributions of electrotonic potentials and ionic currents. *Biological Cybernetics*, **1996**, 74, 543-7	2.8	26
78	Roles of the lateral nodulus and uvula of the cerebellum in cardiovascular control **1996**, 257-265		1
77	Excitotoxicity in motor neurone diseases **1996**, 427-435		
76	Physiology and pathophysiology of nerve fibres **1996**, 1-2		
75	Ion channels in normal and pathophysiological mammalian peripheral myelinated nerve **1996**, 3-12		
74	Molecular anatomy of the node of Ranvier: newer concepts **1996**, 13-28		
73	Delayed rectifier type potassium currents in rabbit and rat axons and rabbit Schwann cells **1996**, 29-36		
72	Axonal signals for potassium channel expression in Schwann cells **1996**, 37-46		1
71	Ion channels in human axons **1996**, 47-60		
70	An in vitro model of diabetic neuropathy: electrophysiological studies **1996**, 61-68		2
69	Autoimmunity at the neuromuscular junction **1996**, 69-74		
68	Immunopathology and pathophysiology of experimental autoimmune encephalomyelitis **1996**, 75-85		
67	Pathophysiology of human demyelinating neuropathies **1996**, 86-94		
66	Conduction properties of central demyelinated axons: the generation of symptoms in demyelinating disease **1996**, 95-117		1
65	Mechanisms of relapse and remission in multiple sclerosis **1996**, 118-123		

64	Glial transplantation in the treatment of myelin loss or deficiency **1996**, 124-148	6
63	Human nociceptors in health and disease **1996**, 151-161	
62	Sensory consequences of inflammation **1996**, 162-168	1
61	Non-voluntary muscle activity and myofascial pain syndromes **1996**, 169-176	1
60	Is there a mechanism for the spinal cord to remember pain? **1996**, 177-188	0
59	The neurophysiological basis of pain relief by acupuncture **1996**, 189-198	
58	Control of central nervous system output **1996**, 199-200	
57	Synaptic transduction in neocortical neurones **1996**, 201-209	
56	Cortical circuits, synchronization and seizures **1996**, 210-220	
55	Physiologically induced changes of brain temperature and their effect on extracellular field potentials **1996**, 221-230	
54	Fusimotor control of the respiratory muscles **1996**, 231-240	1
53	Cerebral accompaniments and functional significance of the long-latency stretch reflexes in human forearm muscles **1996**, 241-246	
52	The cerebellum and proprioceptive control of movement **1996**, 247-256	
51	Central actions of curare and gallamine: implications for reticular reflex myoclonus? **1996**, 266-275	
50	Pathophysiology of upper motoneurone disorders **1996**, 276-282	
49	Modulation of hypoglossal motoneurones by thyrotropin-releasing hormone and serotonin **1996**, 283-291	
48	Serotonin and central respiratory disorders in the newborn **1996**, 292-298	
47	Are medullary respiratory neurones multipurpose neurones? **1996**, 299-308	1

46	Reflex control of expiratory motor output in dogs **1996**, 309-317		1
45	Abnormal thoraco-abdominal movements in patients with chronic lung disease **1996**, 318-326		
44	Respiratory rhythms and apnoeas in the newborn **1996**, 327-336		
43	Cardiorespiratory interactions during apnoea **1996**, 337-347		
42	Impairment of respiratory control in neurological disease **1996**, 348-357		
41	The respiratory muscles in neurological disease **1996**, 358-370		
40	Development, survival, regeneration and death **1996**, 371-372		
39	Axonal growth and plasticity in the adult nervous system **1996**, 373-378		
38	Target dependence of motoneurones **1996**, 379-394		2
37	Rescue of neurones cross-regenerated into foreign targets **1996**, 395-404		
36	Development and repair of neonatal mammalian spinal cord in culture **1996**, 405-410		
35	Selective neuronal vulnerability in motor neurone diseases with reference to sparing of Onuf© nucleus **1996**, 411-426		
34	Abnormal axonal inward rectification in diabetic neuropathy. *Muscle and Nerve*, **1996**, 19, 1268-75	3.4	73
33	A distributed-parameter model of the myelinated human motor nerve fibre: temporal and spatial distributions of electrotonic potentials and ionic currents. *Biological Cybernetics*, **1996**, 74, 543-547	2.8	
32	A distributed-parameter model of the myelinated human motor nerve fibre: temporal and spatial distributions of action potentials and ionic currents. *Biological Cybernetics*, **1995**, 73, 275-80	2.8	42
31	Action potentials and membrane currents in the human node of Ranvier. *Pflugers Archiv European Journal of Physiology*, **1995**, 430, 283-92	4.6	194
30	Axonal ion channel dysfunction in amyotrophic lateral sclerosis. *Brain*, **1995**, 118 (Pt 1), 217-25	11.2	150
29	PS-35-2 Threshold electrotonus in monomelic amyotrophy with spinal hemiatrophy. *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control*, **1995**, 97, S172		2

28	PS-35-3 Threshold electrotonus in patients with amyotrophic lateral sclerosis: further experience in Japanese subjects. *Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control*, **1995**, 97, S172		5
27	Mechanisms of accommodation and adaptation in myelinated axons **1995**, 311-327		24
26	A distributed-parameter model of the myelinated human motor nerve fibre: temporal and spatial distributions of action potentials and ionic currents. *Biological Cybernetics*, **1995**, 73, 275-280	2.8	
25	Differences in behaviour of sensory and motor axons following release of ischaemia. *Brain*, **1994**, 117 (Pt 2), 225-34	11.2	146
24	Post-tetanic excitability changes and ectopic discharges in a human motor axon. *Brain*, **1994**, 117 (Pt 5), 913-28	11.2	102
23	The effects of hyperglycaemic hypoxia on rectification in rat dorsal root axons. *Journal of Physiology*, **1994**, 480 (Pt 2), 297-307	3.9	45
22	Ion channels in human axons. *Journal of Neurophysiology*, **1993**, 70, 1274-9	3.2	69
21	Ectopic activity in demyelinated spinal root axons of the rat. *Journal of Physiology*, **1992**, 451, 539-52	3.9	59
20	Changes in excitability of human motor axons underlying post-ischaemic fasciculations: evidence for two stable states. *Journal of Physiology*, **1991**, 441, 537-57	3.9	147
19	Changes in excitability and accommodation of human motor axons following brief periods of ischaemia. *Journal of Physiology*, **1991**, 441, 513-35	3.9	72
18	Abstract of the 68th Meeting (Spring Meeting) 6 March 1990, Heidelberg. *Pflugers Archiv European Journal of Physiology*, **1990**, 415, R1-R119	4.6	78
17	Is resistance to ischaemia of motor axons in diabetic subjects due to membrane depolarization?. *Journal of the Neurological Sciences*, **1990**, 99, 271-80	3.2	34
16	Threshold tracking provides a rapid indication of ischaemic resistance in motor axons of diabetic subjects. *Electroencephalography and Clinical Neurophysiology*, **1989**, 73, 369-71		37
15	Depolarization changes the mechanism of accommodation in rat and human motor axons. *Journal of Physiology*, **1989**, 411, 545-61	3.9	61
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