

Christian Krarup

List of Publications by Year in descending order

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135
papers

5,059
citations

87723

38
h-index

98622

67
g-index

149
all docs

149
docs citations

149
times ranked

3749
citing authors

#	ARTICLE	IF	CITATIONS
1	Monkey median nerve repaired by nerve graft or collagen nerve guide tube. <i>Journal of Neuroscience</i> , 1995, 15, 4109-4123.	1.7	345
2	A collagen-based nerve guide conduit for peripheral nerve repair: An electrophysiological study of nerve regeneration in rodents and nonhuman primates. <i>Journal of Comparative Neurology</i> , 1991, 306, 685-696.	0.9	342
3	The Carpal Tunnel Syndrome: Diagnostic Utility of the History and Physical Examination Findings. <i>Annals of Internal Medicine</i> , 1990, 112, 321.	2.0	309
4	Factors that influence peripheral nerve regeneration: An electrophysiological study of the monkey median nerve. <i>Annals of Neurology</i> , 2002, 51, 69-81.	2.8	170
5	A syndrome of asymmetric limb weakness with motor conduction block. <i>Neurology</i> , 1990, 40, 118-118.	1.5	158
6	Peripheral nerve repair with collagen conduits. <i>Clinical Materials</i> , 1992, 9, 195-200.	0.5	145
7	Enhancement and diminution of mechanical tension evoked by staircase and by tetanus in rat muscle. <i>Journal of Physiology</i> , 1981, 311, 355-372.	1.3	140
8	Neuronal involvement in cisplatin neuropathy: prospective clinical and neurophysiological studies. <i>Brain</i> , 2006, 130, 1076-1088.	3.7	133
9	Neurourological Implications of the Changing Approach in Management of Occult Spinal Lesions. <i>Journal of Urology</i> , 1988, 140, 1299-1301.	0.2	117
10	Factors Contributing to Preferential Motor Reinnervation in the Primate Peripheral Nervous System. <i>Journal of Neuroscience</i> , 1999, 19, 11007-11016.	1.7	105
11	Lower motor neuron involvement examined by quantitative electromyography in amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2011, 122, 414-422.	0.7	103
12	Loss-of-function mutations in <i>SCN4A</i> cause severe foetal hypokinesia or "classical" congenital myopathy. <i>Brain</i> , 2016, 139, 674-691.	3.7	100
13	DETERMINATION OF THE SEGMENTAL SENSORY AND MOTOR INNERVATION OF THE LUMBOSACRAL SPINAL NERVES: AN ELECTROPHYSIOLOGICAL STUDY. <i>Brain</i> , 1992, 115, 915-934.	3.7	89
14	Perioperative Nerve Lesions. <i>Archives of Neurology</i> , 1989, 46, 1355-1360.	4.9	88
15	Urodynamic Assessment of Children With Cerebral Palsy. <i>Journal of Urology</i> , 1987, 138, 1110-1112.	0.2	85
16	Examination of distal involvement in cisplatin-induced neuropathy in man. <i>Brain</i> , 1993, 116, 1017-1041.	3.7	83
17	Collagen Conduit Versus Microsurgical Neuroorrhaphy: 2-Year Follow-Up of a Prospective, Blinded Clinical and Electrophysiological Multicenter Randomized, Controlled Trial. <i>Journal of Hand Surgery</i> , 2013, 38, 2405-2411.	0.7	82
18	Peripheral neuropathy in mitochondrial disease. <i>Journal of the Neurological Sciences</i> , 1987, 77, 285-304.	0.3	71

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19	Histology and platinum content of sensory ganglia and sural nerves in patients treated with cisplatin and carboplatin: an autopsy study. <i>Neuropathology and Applied Neurobiology</i> , 1999, 25, 28-39.	1.8	71
20	Comparative electrophysiological, functional, and histological studies of nerve lesions in rats. <i>Microsurgery</i> , 2005, 25, 508-519.	0.6	71
21	Conduction studies of the normal sural nerve. <i>Muscle and Nerve</i> , 1992, 15, 374-383.	1.0	70
22	Hereditary spastic paraplegia with cerebellar ataxia: a complex phenotype associated with a new SPG4 gene mutation. <i>European Journal of Neurology</i> , 2004, 11, 817-824.	1.7	70
23	Conduction studies in peripheral cat nerve using implanted electrodes: II. The effects of prolonged constriction on regeneration of crushed nerve fibers. <i>Muscle and Nerve</i> , 1988, 11, 933-944.	1.0	64
24	Motor axon excitability during Wallerian degeneration. <i>Brain</i> , 2008, 132, 511-523.	3.7	63
25	Measurement of axonal excitability: Consensus guidelines. <i>Clinical Neurophysiology</i> , 2020, 131, 308-323.	0.7	63
26	The effect of baclofen on the transmission in spinal pathways in spastic multiple sclerosis patients. <i>Clinical Neurophysiology</i> , 2000, 111, 1372-1379.	0.7	58
27	Abnormalities in the sensory action potential in patients with amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 1991, 14, 1242-1246.	1.0	56
28	Early peripheral nerve regeneration after crushing, sectioning, and freeze studied by implanted electrodes in the cat. <i>Journal of Neuroscience</i> , 1994, 14, 2659-2673.	1.7	56
29	Sensory pathophysiology in chronic acquired demyelinating neuropathy. <i>Brain</i> , 1996, 119, 257-270.	3.7	46
30	An update on electrophysiological studies in neuropathy. <i>Current Opinion in Neurology</i> , 2003, 16, 603-612.	1.8	46
31	Gene transfer to schwann cells after peripheral nerve injury: A delivery system for therapeutic agents. <i>Annals of Neurology</i> , 1998, 43, 205-211.	2.8	45
32	Cerebral gray and white matter changes and clinical course in metachromatic leukodystrophy. <i>Neurology</i> , 2012, 79, 1662-1670.	1.5	45
33	Mechanisms of hyperpolarization in regenerated mature motor axons in cat. <i>Journal of Physiology</i> , 2004, 560, 807-819.	1.3	44
34	Compound sensory action potential in normal and pathological human nerves. <i>Muscle and Nerve</i> , 2004, 29, 465-483.	1.0	43
35	Failure of activation of spinal motoneurons after muscle fatigue in healthy subjects studied by transcranial magnetic stimulation. <i>Journal of Physiology</i> , 2003, 551, 345-356.	1.3	42
36	Nerve conduction and excitability studies in peripheral nerve disorders. <i>Current Opinion in Neurology</i> , 2009, 22, 460-466.	1.8	40

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37	Pitfalls in electrodiagnosis. <i>Journal of Neurology</i> , 1999, 246, 1115-1126.	1.8	39
38	Modulation of the bulbocavernosus reflex during voiding: Loss of inhibition in upper motor neuron lesions. <i>Muscle and Nerve</i> , 1989, 12, 892-897.	1.0	38
39	Slowly conducting myelinated fibers in peripheral neuropathy. <i>Muscle and Nerve</i> , 1991, 14, 534-542.	1.0	37
40	Persistent abnormalities of membrane excitability in regenerated mature motor axons in cat. <i>Journal of Physiology</i> , 2004, 560, 795-806.	1.3	36
41	Electrical and mechanical responses in the platysma and in the adductor pollicis muscle: in normal subjects.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1977, 40, 234-240.	0.9	34
42	EMGTools, an Adaptive and Versatile Tool for Detailed EMG Analysis. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2707-2718.	2.5	34
43	Sulfatide levels correlate with severity of neuropathy in metachromatic leukodystrophy. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 518-533.	1.7	34
44	Acute energy restriction triggers Wallerian degeneration in mouse. <i>Experimental Neurology</i> , 2008, 212, 166-178.	2.0	33
45	Post reinnervation maturation of myelinated nerve fibers in the cat tibial nerve: chronic electrophysiological and morphometric studies. <i>Journal of the Peripheral Nervous System</i> , 2000, 5, 82-95.	1.4	33
46	Electrical and mechanical responses in the platysma and in the adductor pollicis muscle: in patients with myasthenia gravis.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1977, 40, 241-249.	0.9	32
47	Nav1.8 channelopathy in mutant mice deficient for myelin protein zero is detrimental to motor axons. <i>Brain</i> , 2011, 134, 585-601.	3.7	32
48	The effect of dantrolene on the enhancement and diminution of tension evoked by staircase and by tetanus in rat muscle. <i>Journal of Physiology</i> , 1981, 311, 389-400.	1.3	31
49	Peripheral sensory abnormalities in patients with multiple sclerosis. <i>Muscle and Nerve</i> , 1992, 15, 73-76.	1.0	31
50	Temperature dependence of enhancement and diminution of tension evoked by staircase and by tetanus in rat muscle. <i>Journal of Physiology</i> , 1981, 311, 373-387.	1.3	30
51	Nerve regeneration and reinnervation after limb amputation and replantation: Clinical and physiological findings. <i>Muscle and Nerve</i> , 1990, 13, 291-304.	1.0	30
52	Evaluation of Na ⁺ /K ⁺ pump function following repetitive activity in mouse peripheral nerve. <i>Journal of Neuroscience Methods</i> , 2006, 155, 161-171.	1.3	30
53	Comparison of the fastest regenerating motor and sensory myelinated axons in the same peripheral nerve. <i>Brain</i> , 2006, 129, 2471-2483.	3.7	30
54	Conduction studies in peripheral cat nerve using implanted electrodes: I. Methods and findings in controls. <i>Muscle and Nerve</i> , 1988, 11, 922-932.	1.0	28

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55	Neurophysiological studies in malignant disease with particular reference to involvement of peripheral nerves. <i>Journal of Neurology</i> , 2002, 249, 651-661.	1.8	28
56	Nerve excitability changes related to axonal degeneration in amyotrophic lateral sclerosis: Insights from the transgenic SOD1G127X mouse model. <i>Experimental Neurology</i> , 2012, 233, 408-420.	2.0	27
57	Regeneration of unmyelinated and myelinated sensory nerve fibres studied by a retrograde tracer method. <i>Journal of Neuroscience Methods</i> , 2004, 138, 225-232.	1.3	26
58	Remodeling of motor units after nerve regeneration studied by quantitative electromyography. <i>Clinical Neurophysiology</i> , 2016, 127, 1675-1682.	0.7	26
59	Evoked responses of the elbow flexors in control subjects and in myopathy patients. <i>Muscle and Nerve</i> , 1979, 2, 465-477.	1.0	25
60	Compound sensory action potentials evoked by tactile and by electrical stimulation in normal median and sural nerves. <i>Muscle and Nerve</i> , 1994, 17, 733-740.	1.0	25
61	Axonal voltage-gated ion channels as pharmacological targets for pain. <i>European Journal of Pharmacology</i> , 2013, 708, 105-112.	1.7	25
62	Peptide Mimetic of the S100A4 Protein Modulates Peripheral Nerve Regeneration and Attenuates the Progression of Neuropathy in Myelin Protein PO Null Mice. <i>Molecular Medicine</i> , 2013, 19, 43-53.	1.9	23
63	An update on electrophysiological studies in neuropathy. <i>Current Opinion in Neurology</i> , 2003, 16, 603-12.	1.8	23
64	A new regional curare test of the elbow flexors in myasthenia gravis. <i>Muscle and Nerve</i> , 1979, 2, 478-490.	1.0	22
65	Conduction studies in peripheral cat nerve using implanted electrodes: III. The effects of prolonged constriction on the distal nerve segment. <i>Muscle and Nerve</i> , 1989, 12, 915-928.	1.0	22
66	Neurophysiological approach to disorders of peripheral nerve. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 115, 81-114.	1.0	22
67	Aging-associated changes in motor axon voltage-gated Na ⁺ channel function in mice. <i>Neurobiology of Aging</i> , 2016, 39, 128-139.	1.5	21
68	Post-tetanic mechanical tension and evoked action potentials in McArdle's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1977, 40, 920-925.	0.9	20
69	Different indentation velocities activate different populations of mechanoreceptors in humans. , 1998, 21, 858-868.		20
70	The influence of the stimulus on normal sural nerve conduction velocity: A study of the latency of activation. <i>Muscle and Nerve</i> , 1992, 15, 813-821.	1.0	19
71	Axonal elongation through long acellular nerve segments depends on recruitment of phagocytic cells from the near-nerve environment. <i>Brain Research</i> , 2001, 903, 185-197.	1.1	19
72	Chronic inflammatory demyelinating polyneuropathy. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2013, 115, 403-413.	1.0	18

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73	Evoked responses in normal and diseased muscle with particular reference to twitch potentiation. <i>Acta Neurologica Scandinavica</i> , 1983, 68, 269-315.	1.0	17
74	The Unrecognized Neuropathic Bladder of Infancy. <i>Journal of Urology</i> , 1989, 142, 589-591.	0.2	17
75	Some effects of prolonged constriction on nerve regeneration in the rabbit. <i>Journal of the Neurological Sciences</i> , 1985, 68, 1-14.	0.3	16
76	Persistent alterations in active and passive electrical membrane properties of regenerated nerve fibers of man and mice. <i>European Journal of Neuroscience</i> , 2016, 43, 388-403.	1.2	16
77	Recurrent potentials in human peripheral sensory nerve: Possible evidence of primary afferent depolarization of the spinal cord. <i>Muscle and Nerve</i> , 1992, 15, 1354-1363.	1.0	15
78	Nerve conduction studies in selected peripheral nerve disorders. <i>Current Opinion in Neurology</i> , 2002, 15, 579-593.	1.8	15
79	Internodal function in normal and regenerated mammalian axons. <i>Acta Physiologica</i> , 2007, 189, 191-200.	1.8	15
80	Intravenous arylsulfatase A in metachromatic leukodystrophy: a phase 1/2 study. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 66-80.	1.7	15
81	Multiple autoimmune manifestations in monoclonal gammopathy of undetermined significance and chronic lymphocytic leukemia. <i>Leukemia</i> , 1996, 10, 327-32.	3.3	14
82	Transient impairment of the axolemma following regional anaesthesia by lidocaine in humans. <i>Journal of Physiology</i> , 2014, 592, 2735-2750.	1.3	13
83	Sensation, mechanoreceptor, and nerve fiber function after nerve regeneration. <i>Annals of Neurology</i> , 2017, 82, 940-950.	2.8	13
84	Diagnosis of acute neuropathies. <i>Journal of Neurology</i> , 2007, 254, 1151-1169.	1.8	12
85	Axonal elongation through acellular nerve segments of the cat tibial nerve: importance of the near-nerve environment. <i>Brain Research</i> , 1998, 792, 309-318.	1.1	11
86	An oral NaV1.8 blocker improves motor function in mice completely deficient of myelin protein PO. <i>Neuroscience Letters</i> , 2016, 632, 33-38.	1.0	11
87	Sensory potentials evoked by tactile stimulation of different indentation velocities at the finger and palm. <i>Muscle and Nerve</i> , 2001, 24, 1213-1218.	1.0	10
88	Functional Recovery of Regenerating Motor Axons is Delayed in Mice Heterozygously Deficient for the Myelin Protein PO Gene. <i>Neurochemical Research</i> , 2013, 38, 1266-1277.	1.6	10
89	Nerve excitability in the rat forelimb: a technique to improve translational utility. <i>Journal of Neuroscience Methods</i> , 2017, 275, 19-24.	1.3	10
90	Early axonal loss predicts long-term disability in chronic inflammatory demyelinating polyneuropathy. <i>Clinical Neurophysiology</i> , 2021, 132, 1000-1007.	0.7	10

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91	The changing neurologic lesion in myelodysplasia. JAMA - Journal of the American Medical Association, 1987, 258, 1630-3.	3.8	10
92	Assessing inter-rater reproducibility in MScanFit MUNE in a 6-subject, 12-rater "Round Robin" setup. Neurophysiologie Clinique, 2022, 52, 157-169.	1.0	10
93	Conduction studies in peripheral nerve. Neurobehavioral Toxicology and Teratology, 1985, 7, 319-23.	0.3	9
94	Cold-induced peripheral nerve damage: Involvement of touch receptors of the foot. Muscle and Nerve, 1988, 11, 1065-1069.	1.0	8
95	Progression of motor axon dysfunction and ectopic Nav1.8 expression in a mouse model of Charcot-Marie-Tooth disease 1B. Neurobiology of Disease, 2016, 93, 201-214.	2.1	8
96	Unusual ulnar sensory innervation and Martin-Gruber anastomosis in a patient with a carpal tunnel syndrome. Journal of Neurology, 2000, 247, 141-142.	1.8	7
97	PATTERN OF ELECTRICAL ACTIVITY DURING VOLUNTARY CONTRACTION IN MYASTHENIA:. Acta Neurologica Scandinavica, 1982, 65, 122-123.	1.0	7
98	Peripheral motor axons of SOD1G127X mutant mice are susceptible to activity-dependent degeneration. Neuroscience, 2013, 241, 239-249.	1.1	7
99	Myelin protein zero gene dose dependent axonal ion-channel dysfunction in a family with Charcot-Marie-Tooth disease. Clinical Neurophysiology, 2020, 131, 2440-2451.	0.7	7
100	Letters to the editor. Muscle and Nerve, 1994, 17, 955-959.	1.0	6
101	Detailed analysis of motor unit activity. , 0, , .		6
102	An in Vivo Mouse Model to Investigate the Effect of Local Anesthetic Nanomedicines on Axonal Conduction and Excitability. Frontiers in Neuroscience, 2018, 12, 494.	1.4	6
103	Animal models of neuropathies. Baillière's Clinical Neurology, 1996, 5, 77-105.	0.2	6
104	Idiopathic brachial plexus lesion with conduction block of the ulnar nerve. Electroencephalography and Clinical Neurophysiology, 1989, 72, 259-267.	0.3	5
105	Challenges in computerized MUAP analysis. Supplements To Clinical Neurophysiology, 2009, 60, 233-246.	2.1	5
106	European Academy of Neurology guidance for developing and reporting clinical practice guidelines on rare neurological diseases. European Journal of Neurology, 2022, 29, 1571-1586.	1.7	5
107	Experimental autoimmune myasthenia gravis in the rat: A preliminary report. Muscle and Nerve, 1978, 1, 435-437.	1.0	4
108	Prolonged high frequency electrical stimulation is lethal to motor axons of mice heterozygously deficient for the myelin protein P0 gene. Experimental Neurology, 2013, 247, 552-561.	2.0	4

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109	Quantitative electromyography: Normative data in paraspinal muscles. <i>Muscle and Nerve</i> , 2020, 62, 358-362.	1.0	4
110	Allogenic hematopoietic stem cell transplantation in two siblings with adult metachromatic leukodystrophy and a systematic literature review. <i>JIMD Reports</i> , 2021, 60, 96-104.	0.7	4
111	Spinal blastomycosis--case report.. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 1984, 47, 217-218.	0.9	3
112	Chapter 2 Physiology and function. <i>Handbook of Clinical Neurophysiology</i> , 2006, 7, 23-61.	0.0	3
113	Increased probability of repetitive spinal motoneuron activation by transcranial magnetic stimulation after muscle fatigue in healthy subjects. <i>Journal of Applied Physiology</i> , 2012, 112, 832-840.	1.2	3
114	In vitro electrophoresis and in vivo electrophysiology of peripheral nerve using DC field stimulation. <i>Journal of Neuroscience Methods</i> , 2014, 225, 90-96.	1.3	3
115	Segmental innervation of lumbosacral nerves. <i>Muscle and Nerve</i> , 1994, 17, 956-7.	1.0	3
116	Conduction Properties in Peripheral Nerve Fibers Regenerated by Biodegradable Polymer Matrix. <i>Materials Research Society Symposia Proceedings</i> , 1987, 110, 3.	0.1	2
117	Reappraising <i>h</i> : do myelinated motor and sensory axons of human peripheral nerves operate at different resting membrane potentials?. <i>Journal of Physiology</i> , 2012, 590, 1515-1516.	1.3	2
118	In Vivo Electrophysiological Measurement of the Rat Ulnar Nerve with Axonal Excitability Testing. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	2
119	Immunological studies in thymectomized and non-thymectomized patients with myasthenia gravis. <i>Journal of Clinical & Laboratory Immunology</i> , 1978, 1, 169-78.	0.1	2
120	FC4.3 Increased probability of repetitive spinal motoneurone activation after muscle fatigue in healthy subjects. <i>Clinical Neurophysiology</i> , 2006, 117, 1.	0.7	1
121	Plasticity and regeneration of the spinal cord and peripheral nervous system. <i>Acta Physiologica</i> , 2007, 189, 109-110.	1.8	1
122	A Collagen Conduit Versus Microsurgical Neuroorrhaphy 2-Year Follow-Up of a Prospective Blinded Clinical and Electrophysiological Multicenter RCT. <i>Journal of Hand Surgery</i> , 2013, 38, e3-e4.	0.7	1
123	Perioperative Nerve Lesions. <i>Survey of Anesthesiology</i> , 1990, 34, 187.	0.1	0
124	Annelise Rosenfalck, 1922â€“2004. <i>Clinical Neurophysiology</i> , 2005, 116, 991-992.	0.7	0
125	MO29 Nerve regeneration as an acquired channelopathy. <i>Clinical Neurophysiology</i> , 2008, 119, S37.	0.7	0
126	2FC3.2 Outcome of a Phase I/II Trial of Intravenous Enzyme Replacement with Recombinant Human Arylsulfatase A (rhASA) in Children with Metachromatic Leukodystrophy (MLD). <i>European Journal of Paediatric Neurology</i> , 2011, 15, S22.	0.7	0

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127	P208: Longitudinal quantitative EMG findings during reinnervation after complete nerve lesions. <i>Clinical Neurophysiology</i> , 2014, 125, S102.	0.7	0
128	Werner Trojaborg, MD. <i>Muscle and Nerve</i> , 2015, 52, 925-926.	1.0	0
129	Reply to letter to the editor: A study of PARASPINAL physiology is insufficient to draw clinical conclusions. <i>Muscle and Nerve</i> , 2021, 63, E40.	1.0	0
130	Mechanical Lesions of the Peripheral Nervous System. , 2004, , 511-526.		0
131	Electrophysiology of the central and peripheral nervous systems. , 2010, , 4752-4768.		0
132	Comparison of Recovery of Tactile Function and Sensation after Median or Ulnar Nerve Lesions Repaired by Suture or Nerve Guide (P06.150). <i>Neurology</i> , 2012, 78, P06.150-P06.150.	1.5	0
133	Degeneration and Regeneration of Peripheral Motor Axons Is Impaired in Mice Heterozygously Deficient for the Myelin Protein P0 Gene (P05.152). <i>Neurology</i> , 2012, 78, P05.152-P05.152.	1.5	0
134	Comparison of Recovery of Tactile Function and Sensation after Median or Ulnar Nerve Lesions Repaired by Suture or Nerve Guide (IN1-2.003). <i>Neurology</i> , 2012, 78, IN1-2.003-IN1-2.003.	1.5	0
135	Degeneration and Regeneration of Peripheral Motor Axons Is Impaired in Mice Heterozygously Deficient for the Myelin Protein P0 Gene (IN1-2.001). <i>Neurology</i> , 2012, 78, IN1-2.001-IN1-2.001.	1.5	0