Nils Danielsen

List of Publications by Year
in descending order

65 papers	3,655 citations	136940 32 h-index	128286 60 g-index
66 all docs	66 docs citations	66 times ranked	2876 citing authors

#	Article	IF	Citations
1	UVB irradiation induces contralateral changes in galanin, substance P and c-fos immunoreactivity in rat dorsal root ganglia, dorsal horn and lateral spinal nucleus. Peptides, 2021, 136, 170447.	2.4	1
2	UVB irradiation induces rapid changes in galanin, substance P and c-fos immunoreactivity in rat dorsal root ganglia and spinal cord. Peptides, 2017, 87, 71-83.	2.4	4
3	Altered behavioural responses and functional recovery in rats following sciatic nerve compression and early vs late decompression. Journal of Plastic Surgery and Hand Surgery, 2016, 50, 321-330.	0.8	5
4	Impact of degradable nanowires on long-term brain tissue responses. Journal of Nanobiotechnology, 2016, 14, 64.	9.1	6
5	Size-dependent long-term tissue response to biostable nanowires in the brain. Biomaterials, 2015, 42, 172-183.	11.4	39
6	Multiple Implants Do Not Aggravate the Tissue Reaction in Rat Brain. PLoS ONE, 2012, 7, e47509.	2.5	22
7	Psychometric evaluation of the Dundee Ready Educational Environment Measure: Swedish version. Medical Teacher, 2011, 33, e267-e274.	1.8	46
8	Can histology solve the riddle of the nonfunctioning electrode?. Progress in Brain Research, 2011, 194, 181-189.	1.4	8
9	Implant Size and Fixation Mode Strongly Influence Tissue Reactions in the CNS. PLoS ONE, 2011, 6, e16267.	2.5	168
10	Gelatin/glycerol coating to preserve mechanically compliant nanowire electrodes from damage during brain implantation. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C6K13-C6K16.	1.2	10
11	Endogenous BDNF regulates induction of intrinsic neuronal growth programs in injured sensory neurons. Experimental Neurology, 2010, 223, 128-142.	4.1	86
12	Comparing the educational environment (as measured by DREEM) at two different stages of curriculum reform. Medical Teacher, 2010, 32, e233-e238.	1.8	101
13	Porous silicon as a potential electrode material in a nerve repair setting: Tissue reactions. Acta Biomaterialia, 2009, 5, 2230-2237.	8.3	29
14	Nanowire Biocompatibility in the Brain - Looking for a Needle in a 3D Stack. Nano Letters, 2009, 9, 4184-4190.	9.1	45
15	Soft tissue reactions evoked by implanted gallium phosphide. Biomaterials, 2008, 29, 4598-4604.	11.4	27
16	Porous silicon as a neural electrode material. Journal of Biomaterials Science, Polymer Edition, 2007, 18, 1301-1308.	3.5	10
17	Axonal outgrowth on nano-imprinted patterns. Biomaterials, 2006, 27, 1251-1258.	11.4	276
18	PACAP mRNA is expressed in rat spinal cord neurons. Journal of Comparative Neurology, 2004, 471, 85-96.	1.6	36

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19	Effects of FK506 on regeneration and macrophages in injured rat sciatic nerve. Journal of the Peripheral Nervous System, 2003, 8, 251-259.	3.1	32
20	A COMPARISON OF PERIPHERAL NERVE REGENERATION IN ACELLULAR MUSCLE AND NERVE AUTOGRAFTS. Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery, 2003, 37, 193-200.	0.6	16
21	Electrochemical etch-stop technique for silicon membranes with p- and n-type regions and its application to neural sieve electrodes. Journal of Micromechanics and Microengineering, 2002, 12, 265-270.	2.6	11
22	Locally-applied Collagenase and Regeneration of Transsected and Repaired Rat Sciatic Nerves. Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery, 2002, 36, 193-196.	0.6	9
23	Tissue reactions evoked by porous and plane surfaces made out of silicon and titanium. IEEE Transactions on Biomedical Engineering, 2002, 49, 392-399.	4.2	36
24	Expression of orphanin FQ/nociceptin and its receptor in rat peripheral ganglia and spinal cord. Brain Research, 2002, 945, 266-275.	2.2	53
25	Markedly reduced chronic nociceptive response in mice lacking the PAC1 receptor. NeuroReport, 2001, 12, 2215-2219.	1.2	65
26	Migration of cells into and out of peripheral nerve isografts in the peripheral and central nervous systems of the adult mouse. European Journal of Neuroscience, 2001, 14, 522-532.	2.6	20
27	Hydroxyapatite Granule/Carrier Composites Promote New Bone Formation in Cortical Defects. Clinical Implant Dentistry and Related Research, 2000, 2, 50-59.	3.7	14
28	Alteration of PACAP distribution and PACAP receptor binding in the rat sensory nervous system following sciatic nerve transection. Brain Research, 2000, 853, 186-196.	2.2	59
29	Pituitary adenylate cyclase-activating polypeptide and islet amyloid polypeptide in primary sensory neurons. Molecular Neurobiology, 1999, 19, 229-253.	4.0	29
30	Reactive capsule formation around soft-tissue implants is related to cell necrosis. Journal of Biomedical Materials Research Part B, 1999, 46, 458-464.	3.1	33
31	Pituitary adenylate cyclase-activating peptide is upregulated in sensory neurons by inflammation. NeuroReport, 1998, 9, 2833-2836.	1.2	75
32	Role of Macrophages in the Stimulation and Regeneration of Sensory Nerves by Transposed Granulation Tissue and Temporal Aspects of the Response. Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery, 1997, 31, 17-23.	0.6	48
33	S-100Î² stimulates neurite outgrowth in the rat sciatic nerve grafted with acellular muscle transplants. Brain Research, 1997, 753, 196-201.	2.2	87
34	Islet amyloid polypeptide and calcitonin gene-related peptide expression are down-regulated in dorsal root ganglia upon sciatic nerve transection. Molecular Brain Research, 1997, 47, 322-330.	2.3	22
35	Islet amyloid polypeptide and calcitonin gene-related peptide expression are upregulated in lumbar dorsal root ganglia after unilateral adjuvant-induced inflammation in the rat paw. Molecular Brain Research, 1997, 50, 127-135.	2.3	31
36	Tubular versus conventional repair of median and ulnar nerves in the human forearm: Early results from a prospective, randomized, clinical study. Journal of Hand Surgery, 1997, 22, 99-106.	1.6	183

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37	Rat sciatic nerve regeneration through a micromachined silicon chip. Biomaterials, 1997, 18, 75-80.	11.4	67
38	Inflammatory reaction dependence on implant localization in rat soft tissue models. Biomaterials, 1997, 18, 979-987.	11.4	46
39	Stimulation of nerve regeneration by macrophages in granulation tissue. Restorative Neurology and Neuroscience, 1996, 9, 141-149.	0.7	16
40	Immunohistochemical studies on the distribution of albumin, fibrinogen, fibronectin, IgG and collagen around PTFE and titanium implants. Biomaterials, 1996, 17, 1779-1786.	11.4	51
41	Regeneration Across a Partial Defect in Rat Sciatic Nerve Encased in a Silicone Chamber. Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery, 1996, 30, 7-15.	0.6	11
42	Effects of delayed nerve repair on regeneration of rat sciatic nerve. Restorative Neurology and Neuroscience, 1995, 9, 1-5.	0.7	8
43	Nerve regeneration in nerve grafts conditioned by vibration exposure. Restorative Neurology and Neuroscience, 1995, 7, 165-169.	0.7	7
44	Predegeneration enhances regeneration into acellular nerve grafts. Brain Research, 1995, 681, 105-108.	2.2	58
45	Characterization of Neurotrophic Activity in the Silicone-Chamber Model for Nerve Regeneration. Journal of Reconstructive Microsurgery, 1995, 11, 231-235.	1.8	54
46	Trophism, Tropism and Specificity in Nerve Regeneration. Journal of Reconstructive Microsurgery, 1994, 10, 345-354.	1.8	144
47	Pre-degenerated nerve grafts enhance regeneration by shortening the initial delay period. Brain Research, 1994, 666, 250-254.	2.2	65
48	The effects of delayed nerve repair on nerve regeneration in a silicone chamber model. Restorative Neurology and Neuroscience, 1994, 6, 317-322.	0.7	4
49	A mathematical model for regeneration rate and initial delay following surgical repair of peripheral nerves. Journal of Neuroscience Methods, 1993, 48, 27-33.	2.5	31
50	The Influence of Predegeneration on Regeneration through Peripheral Nerve Grafts in the Rat. Experimental Neurology, 1993, 122, 28-36.	4.1	90
51	Ulnar Nerve Repair by the Silicone Chamber Technique. Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery, 1991, 25, 79-82.	0.6	109
52	Regeneration of the rat sciatic nerve in the silicone chamber model. Restorative Neurology and Neuroscience, 1990, 1, 253-259.	0.7	25
53	A two-compartment modification of the silicone chamber model for nerve regeneration. Experimental Neurology, 1988, 99, 622-635.	4.1	13
54	Axonal growth in mesothelial chambers: Effects of a proximal preconditioning lesion and/or predegeneration of the distal nerve stump. Experimental Neurology, 1988, 99, 655-663.	4.1	29

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55	Rat amnion membrane matrix as a substratum for regenerating axons from peripheral and central neurons: effects in a silicone chamber model. Developmental Brain Research, 1988, 39, 39-50.	1.7	31
56	Peripheral Nerve Regeneration in Gore-Tex Chambers. Scandinavian Journal of Plastic and Reconstructive Surgery, 1988, 22, 207-210.	0.3	27
57	Effects of Epidural and Intrathecal Application of Collagenase in the Lumbar Spine: An Experimental Study in Rabbits. Spine, 1987, 12, 477-482.	2.0	20
58	Exogenous matrix precursors promote functional nerve regeneration across a 15-mm gap within a silicone chamber in the rat. Journal of Comparative Neurology, 1987, 264, 284-290.	1.6	121
59	Experimental hyperthyroidism stimulates axonal growth in mesothelial chambers. Experimental Neurology, 1986, 94, 54-65.	4.1	20
60	Nerve repair and axonal transport. Journal of the Neurological Sciences, 1986, 73, 269-277.	0.6	4
61	Nerve repair and axonal transport: Outgrowth delay and regeneration rate after transection and repair of rabbit hypoglossal nerve. Brain Research, 1986, 376, 125-132.	2.2	30
62	Tissue Specificity in Nerve Regeneration. Scandinavian Journal of Plastic and Reconstructive Surgery, 1986, 20, 279-283.	0.3	86
63	Axonal Growth in Mesothelial Chambers: The Role of the Distal Nerve Segment. Scandinavian Journal of Plastic and Reconstructive Surgery, 1983, 17, 119-125.	0.3	45
64	Nerve regeneration across an extended gap: A neurobiological view of nerve repair and the possible involvement of neuronotrophic factors. Journal of Hand Surgery, 1982, 7, 580-587.	1.6	149
65	Nerve regeneration in silicone chambers: Influence of gap length and of distal stump components. Experimental Neurology, 1982, 76, 361-375.	4.1	549