Kirsten Haastert-Talini

List of Publications by Year
in descending order

84	2,683	196777 29	223390 49
papers	citations	h-index	g-index
86	86	86	3481
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Potential Benefits of Dietary Polyphenols for Peripheral Nerve Regeneration. International Journal of Molecular Sciences, 2022, 23, 5177.	1.8	6
2	Appropriate Animal Models for Translational Nerve Research. Reference Series in Biomedical Engineering, 2022, , 133-149.	0.1	1
3	A Rabbit Model for Peripheral Nerve Reconstruction Studies Avoiding Automutilation Behavior. Journal of Brachial Plexus and Peripheral Nerve Injury, 2022, 17, e22-e29.	1.0	2
4	Teaching anatomy under COVID-19 conditions at German universities: recommendations of the teaching commission of the anatomical society. Annals of Anatomy, 2021, 234, 151669.	1.0	27
5	Neuropathic pain: Spotlighting anatomy, experimental models, mechanisms, and therapeutic aspects. European Journal of Neuroscience, 2021, 54, 4475-4496.	1.2	15
6	Modified Hyaluronic Acid-Laminin-Hydrogel as Luminal Filler for Clinically Approved Hollow Nerve Guides in a Rat Critical Defect Size Model. International Journal of Molecular Sciences, 2021, 22, 6554.	1.8	5
7	The Role of Dietary Nutrients in Peripheral Nerve Regeneration. International Journal of Molecular Sciences, 2021, 22, 7417.	1.8	16
8	PVDF and P(VDF-TrFE) Electrospun Scaffolds for Nerve Graft Engineering: A Comparative Study on Piezoelectric and Structural Properties, and In Vitro Biocompatibility. International Journal of Molecular Sciences, 2021, 22, 11373.	1.8	33
9	Perspective on Schwann Cells Derived from Induced Pluripotent Stem Cells in Peripheral Nerve Tissue Engineering. Cells, 2020, 9, 2497.	1.8	39
10	In Vivo and In Vitro Evaluation of a Novel Hyaluronic Acidâ€“Laminin Hydrogel as Luminal Filler and Carrier System for Genetically Engineered Schwann Cells in Critical Gap Length Tubular Peripheral Nerve Graft in Rats. Cell Transplantation, 2020, 29, 096368972091009.	1.2	11
11	Critical analysis of the value of the rabbit median nerve model for biomedical research on peripheral nerve grafts. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 736-740.	1.3	4
12	Ex vivo limb perfusion for traumatic amputation in military medicine. Military Medical Research, 2020, 7, 21.	1.9	5
13	Appropriate Animal Models for Translational Nerve Research. , 2020, , 1-17.		3
14	Modification of tubular chitosan-based peripheral nerve implants: applications for simple or more complex approaches. Neural Regeneration Research, 2020, 15, 1421.	1.6	24
15	The Median Nerve Injury Model in Pre-clinical Research â€“ A Critical Review on Benefits and Limitations. Frontiers in Cellular Neuroscience, 2019, 13, 288.	1.8	24
16	Editorial: Peripheral Nerve Regeneration. Frontiers in Cellular Neuroscience, 2019, 13, 464.	1.8	5
17	New basic insights on the potential of a chitosanâ€based medical device for improving functional recovery after radical prostatectomy. BJU International, 2019, 124, 1063-1076.	1.3	6
18	Two-Chambered Chitosan Nerve Guides With Increased Bendability Support Recovery of Skilled Forelimb Reaching Similar to Autologous Nerve Grafts in the Rat 10 mm Median Nerve Injury and Repair Model. Frontiers in Cellular Neuroscience, 2019, 13, 149.	1.8	17

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19	Gellan Gum-based luminal fillers for peripheral nerve regeneration: an<i>in vivo</i>study in the rat sciatic nerve repair model. Biomaterials Science, 2018, 6, 1059-1075.	2.6	33
20	Introduction: Thematic Papers Issue on Peripheral Nerve Regeneration and Repair. Anatomical Record, 2018, 301, 1614-1617.	0.8	13
21	Long-Term In Vivo Evaluation of Chitosan Nerve Guide Properties with respect to Two Different Sterilization Methods. BioMed Research International, 2018, 2018, 1-11.	0.9	3
22	Comparative Evaluation of Chitosan Nerve Guides with Regular or Increased Bendability for Acute and Delayed Peripheral Nerve Repair: A Comprehensive Comparison with Autologous Nerve Grafts and Muscleâ€inâ€Vein Grafts. Anatomical Record, 2018, 301, 1697-1713.	0.8	19
23	Diabetes, its impact on peripheral nerve regeneration: lessons from pre-clinical rat models towards nerve repair and reconstruction. Neural Regeneration Research, 2018, 13, 65.	1.6	4
24	Two-component collagen nerve guides support axonal regeneration in the rat peripheral nerve injury model. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3349-3361.	1.3	20
25	Validating Metalâ€Organic Framework Nanoparticles for Their Nanosafety in Diverse Biomedical Applications. Advanced Healthcare Materials, 2017, 6, 1600818.	3.9	137
26	Reflexâ€based grasping, skilled forelimb reaching, and electrodiagnostic evaluation for comprehensive analysis of functional recoveryâ€"The 7â€mm rat median nerve gap repair model revisited. Brain and Behavior, 2017, 7, e00813.	1.0	22
27	Regeneration of long-distance peripheral nerve defects after delayed reconstruction in healthy and diabetic rats is supported by immunomodulatory chitosan nerve guides. BMC Neuroscience, 2017, 18, 53.	0.8	34
28	Peripheral Nerve Tissue Engineering: An Outlook on Experimental Concepts. , 2017, , 127-138.		7
29	<i>In vitro</i> models for peripheral nerve regeneration. European Journal of Neuroscience, 2016, 43, 287-296.	1.2	71
30	Peripheral Nerve Regeneration through Hydrogel-Enriched Chitosan Conduits Containing Engineered Schwann Cells for Drug Delivery. Cell Transplantation, 2016, 25, 159-182.	1.2	65
31	The Neuregulin1/ErbB system is selectively regulated during peripheral nerve degeneration and regeneration. European Journal of Neuroscience, 2016, 43, 351-364.	1.2	44
32	Chitosan-film enhanced chitosan nerve guides for long-distance regeneration of peripheral nerves. Biomaterials, 2016, 76, 33-51.	5.7	156
33	Nerve Repair: Molecular and Cellular Events, Tissue Engineering Approaches, and Translational Issues of Reconstruction. Journal of Neurological Surgery, Part B: Skull Base, 2016, 77, .	0.4	0
34	Automated tracing of myelinated axons and detection of the nodes of Ranvier in serial images of peripheral nerves. Journal of Microscopy, 2015, 259, 143-154.	0.8	15
35	C3-induced release of neurotrophic factors from Schwann cells â€" potential mechanism behind its regeneration promoting activity. Neurochemistry International, 2015, 90, 232-245.	1.9	3
36	Human Schwann Cells Seeded on a Novel Collagen-Based Microstructured Nerve Guide Survive, Proliferate, and Modify Neurite Outgrowth. BioMed Research International, 2014, 2014, 1-13.	0.9	25

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37	Nanotechnology versus stem cell engineering: in vitro comparison of neurite inductive potentials. International Journal of Nanomedicine, 2014, 9, 5289.	3.3	17
38	Outer Electrospun Polycaprolactone Shell Induces Massive Foreign Body Reaction and Impairs Axonal Regeneration through 3D Multichannel Chitosan Nerve Guides. BioMed Research International, 2014, 2014, 1-16.	0.9	31
39	The Role of Neurotrophic Factors Conjugated to Iron Oxide Nanoparticles in Peripheral Nerve Regeneration:<i>In Vitro</i>Studies. BioMed Research International, 2014, 2014, 1-10.	0.9	52
40	Morphometric Parameters of Peripheral Nerves in Calves Correlated with Conduction Velocity. Journal of Veterinary Internal Medicine, 2014, 28, 646-655.	0.6	7
41	Development of cell-enhanced chitosan scaffolds to overcome long gaps after peripheral nerve injury. Cytotherapy, 2014, 16, S102.	0.3	1
42	<i>In Vitro</i>Evaluation of Cell-Seeded Chitosan Films for Peripheral Nerve Tissue Engineering. Tissue Engineering - Part A, 2014, 20, 2339-2349.	1.6	44
43	Comment to the paper: Acceleration of peripheral nerve regeneration using nerve conduits in combination with induced pluripotent stem cell technology and a basic fibroblast growth factor drug delivery system by M. Ikeda, T. Uemura, K. Takamatsu, M. Okada, K. Kazuki, Y. Tabata, Y. Ikada, H. Nakamura, J Biomed Mater Res A. 2013 Jun 3 doi: 10.1002/jbm.a.34816. Journal of Biomedical Materials Research - Part A, 2014, 102, 1219-1220.	2.1	1
44	High sport sneakers may lead to peripheral artery occlusion in ZumbaÂ® dancers. Vasa - European Journal of Vascular Medicine, 2014, 43, 78-80.	0.6	1
45	Bioartifizielle Nervenimplantate und alternative Rekonstruktionsverfahren. , 2014, , 387-402.		0
46	The Use of Chitosan-Based Scaffolds to Enhance Regeneration in the Nervous System. International Review of Neurobiology, 2013, 109, 1-62.	0.9	71
47	Electrical Stimulation for Promoting Peripheral Nerve Regeneration. International Review of Neurobiology, 2013, 109, 111-124.	0.9	41
48	Chitosan tubes of varying degrees of acetylation for bridging peripheral nerve defects. Biomaterials, 2013, 34, 9886-9904.	5.7	140
49	Preparation and Analysis of PCL Spun Chitosan Scaffolds as Guidance Channels for Peripheral Nerve Regeneration. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.9	0
50	Computational Tissue Volume Reconstruction of a Peripheral Nerve Using High-Resolution Light-Microscopy and Reconstruct. PLoS ONE, 2013, 8, e66191.	1.1	6
51	Polysialyltransferase overexpression in Schwann cells mediates different effects during peripheral nerve regeneration. Glycobiology, 2012, 22, 107-115.	1.3	17
52	Culture and Proliferation of Highly Purified Adult Schwann Cells from Rat, Dog, and Man. Methods in Molecular Biology, 2012, 846, 189-200.	0.4	12
53	Local substitution of GDF-15 improves axonal and sensory recovery after peripheral nerve injury. Cell and Tissue Research, 2012, 350, 225-238.	1.5	24
54	BIOHYBRID â€“ Biohybrid templates for peripheral nerve regeneration. Journal of the Peripheral Nervous System, 2012, 17, 220-222.	1.4	7

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55	C3 Peptide Promotes Axonal Regeneration and Functional Motor Recovery after Peripheral Nerve Injury. Neurotherapeutics, 2012, 9, 185-198.	2.1	34
56	Electrical Stimulation Accelerates Axonal and Functional Peripheral Nerve Regeneration across Long Gaps. Journal of Neurotrauma, 2011, 28, 661-674.	1.7	72
57	Editorial [Hot Topic: Gene Therapy Approaches for Neuroregeneration (Guest Editor: Kirsten) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.9	1
58	Evaluation of periodic electrodiagnostic measurements to monitor motor recovery after different peripheral nerve lesions in the rat. Muscle and Nerve, 2011, 44, 63-73.	1.0	35
59	Nerve Repair by End-to-Side Nerve Coaptation. Neurosurgery, 2010, 66, 567-577.	0.6	32
60	Genetically modified canine Schwann cellsâ€"In vitro and in vivo evaluation of their suitability for peripheral nerve tissue engineering. Journal of Neuroscience Methods, 2010, 186, 202-208.	1.3	30
61	<i>In Vivo</i> Evaluation of Polysialic Acid as Part of Tissue-Engineered Nerve Transplants. Tissue Engineering - Part A, 2010, 16, 3085-3098.	1.6	24
62	Mice lacking basic fibroblast growth factor showed faster sensory recovery. Experimental Neurology, 2010, 223, 166-172.	2.0	16
63	Schwann Cells Overexpressing FGF-2 Alone or Combined with Manual Stimulation Do Not Promote Functional Recovery after Facial Nerve Injury. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-11.	3.0	16
64	Analysis of Neuroprotective Effects of Valproic Acid on Primary Motor Neurons in Monoculture or Co-cultures with Astrocytes or Schwann Cells. Cellular and Molecular Neurobiology, 2009, 29, 1037-1043.	1.7	13
65	A new cell culture protocol for enrichment and genetic modification of adult canine Schwann cells suitable for peripheral nerve tissue engineering. Research in Veterinary Science, 2009, 87, 140-142.	0.9	17
66	Sequential myelin protein expression during remyelination reveals fast and efficient repair after central nervous system demyelination. Neuropathology and Applied Neurobiology, 2008, 34, 105-114.	1.8	134
67	The effects of FGF-2 gene therapy combined with voluntary exercise on axonal regeneration across peripheral nerve gaps. Neuroscience Letters, 2008, 443, 179-183.	1.0	26
68	Expression and regulation of Sef, a novel signaling inhibitor of receptor tyrosine kinases-mediated signaling in the nervous system. Acta Histochemica, 2008, 110, 155-162.	0.9	12
69	Physiological role of basic FGF in peripheral nerve development and regeneration: potential for reconstruction approaches. Future Neurology, 2008, 3, 605-612.	0.9	2
70	Gene Therapy in Peripheral Nerve Reconstruction Approaches. Current Gene Therapy, 2007, 7, 221-228.	0.9	33
71	Culturing of glial and neuronal cells on polysialic acid. Biomaterials, 2007, 28, 1163-1173.	5.7	55
72	Human and rat adult Schwann cell cultures: fast and efficient enrichment and highly effective non-viral transfection protocol. Nature Protocols, 2007, 2, 99-104.	5.5	104

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73	Role of mitochondria in kainate-induced fast Ca2+ transients in cultured spinal motor neurons. Cell Calcium, 2007, 42, 59-69.	1.1	53
74	Temporospatial coupling of networked synaptic activation of AMPA-type glutamate receptor channels and calcium transients in cultured motoneurons. Neuroscience, 2006, 142, 1019-1029.	1.1	30
75	Establishment of Cocultures of Osteoblasts, Schwann Cells, and Neurons towards a Tissue-Engineered Approach for Orofacial Reconstruction. Cell Transplantation, 2006, 15, 733-744.	1.2	10
76	In vitro and ex vivo evaluation of second-generation histone deacetylase inhibitors for the treatment of spinal muscular atrophy. Journal of Neurochemistry, 2006, 98, 193-202.	2.1	140
77	Valproic Acid Promotes Neurite Outgrowth in PC12 Cells independent from Regulation of the Survival of Motoneuron Protein. Chemical Biology and Drug Design, 2006, 67, 244-247.	1.5	45
78	Physiological function and putative therapeutic impact of the FGF-2 system in peripheral nerve regenerationâ€"Lessons from in vivo studies in mice and rats. Brain Research Reviews, 2006, 51, 293-299.	9.1	76
79	Differentially promoted peripheral nerve regeneration by grafted Schwann cells over-expressing different FGF-2 isoforms. Neurobiology of Disease, 2006, 21, 138-153.	2.1	112
80	Autologous adult human Schwann cells genetically modified to provide alternative cellular transplants in peripheral nerve regeneration. Journal of Neurosurgery, 2006, 104, 778-786.	0.9	28
81	Rat embryonic motoneurons in long-term co-culture with Schwann cellsâ€"a system to investigate motoneuron diseases on a cellular level in vitro. Journal of Neuroscience Methods, 2005, 142, 275-284.	1.3	57
82	Nuclear fibroblast growth factor-2 interacts specifically with splicing factor SF3a66. Biological Chemistry, 2004, 385, 1203-1208.	1.2	18
83	Comparative study of cell culture and purification methods to obtain highly enriched cultures of proliferating adult rat Schwann cells. Journal of Neuroscience Research, 2004, 77, 453-461.	1.3	59
84	Regeneration of a transected peripheral nerve by transplantation of spinal cord encapsulated in a vein. NeuroReport, 2001, 12, 1271-1275.	0.6	13