

Stefano Geuna

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

255
papers

7,483
citations

50
h-index

70
g-index

278
ext. papers

8,310
ext. citations

3.8
avg. IF

5.82
L-index

#	Paper	IF	Citations
255	Nerve repair by means of tubulization: literature review and personal clinical experience comparing biological and synthetic conduits for sensory nerve repair. <i>Microsurgery</i> , 2005 , 25, 258-67	2.1	276
254	Chapter 3: Histology of the peripheral nerve and changes occurring during nerve regeneration. <i>International Review of Neurobiology</i> , 2009 , 87, 27-46	4.4	173
253	Functional and morphological assessment of a standardized rat sciatic nerve crush injury with a non-serrated clamp. <i>Journal of Neurotrauma</i> , 2004 , 21, 1652-70	5.4	144
252	Oxidative stress triggers cardiac fibrosis in the heart of diabetic rats. <i>Endocrinology</i> , 2008 , 149, 380-8	4.8	137
251	Phototherapy for enhancing peripheral nerve repair: a review of the literature. <i>Muscle and Nerve</i> , 2005 , 31, 694-701	3.4	130
250	Acylated and unacylated ghrelin impair skeletal muscle atrophy in mice. <i>Journal of Clinical Investigation</i> , 2013 , 123, 611-22	15.9	115
249	Chitosan-film enhanced chitosan nerve guides for long-distance regeneration of peripheral nerves. <i>Biomaterials</i> , 2016 , 76, 33-51	15.6	114
248	Chitosan tubes of varying degrees of acetylation for bridging peripheral nerve defects. <i>Biomaterials</i> , 2013 , 34, 9886-904	15.6	113
247	A simple protocol for paraffin-embedded myelin sheath staining with osmium tetroxide for light microscope observation. <i>Microscopy Research and Technique</i> , 2008 , 71, 497-502	2.8	107
246	Use of hybrid chitosan membranes and N1E-115 cells for promoting nerve regeneration in an axonotmesis rat model. <i>Biomaterials</i> , 2008 , 29, 4409-19	15.6	100
245	The paradigm of postconditioning to protect the heart. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 435-58	5.6	99
244	Low-power laser biostimulation enhances nerve repair after end-to-side neurorrhaphy: a double-blind randomized study in the rat median nerve model. <i>Lasers in Medical Science</i> , 2004 , 19, 57-65 ^{3.1}		97
243	Nerve repair by means of vein filled with muscle grafts I. Clinical results. <i>Microsurgery</i> , 2000 , 20, 32-6	2.1	94
242	Phototherapy promotes regeneration and functional recovery of injured peripheral nerve. <i>Neurological Research</i> , 2004 , 26, 233-9	2.7	89
241	Appreciating the difference between design-based and model-based sampling strategies in quantitative morphology of the nervous system. <i>Journal of Comparative Neurology</i> , 2000 , 427, 333-339	3.4	89
240	Long-term functional and morphological assessment of a standardized rat sciatic nerve crush injury with a non-serrated clamp. <i>Journal of Neuroscience Methods</i> , 2007 , 163, 92-104	3	87
239	Chapter 5: Methods and protocols in peripheral nerve regeneration experimental research: part II-morphological techniques. <i>International Review of Neurobiology</i> , 2009 , 87, 81-103	4.4	86

238	Verification of the two-dimensional disector, a method for the unbiased estimation of density and number of myelinated nerve fibers in peripheral nerves. <i>Annals of Anatomy</i> , 2000 , 182, 23-34	2.9	78
237	On the use of the grasping test in the rat median nerve model: a re-appraisal of its efficacy for quantitative assessment of motor function recovery. <i>Journal of Neuroscience Methods</i> , 2003 , 127, 43-7	3	77
236	The sciatic nerve injury model in pre-clinical research. <i>Journal of Neuroscience Methods</i> , 2015 , 243, 39-46	3	76
235	The Effect of Electrospun Gelatin Fibers Alignment on Schwann Cell and Axon Behavior and Organization in the Perspective of Artificial Nerve Design. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 12925-42	6.3	75
234	Methodological issues in size estimation of myelinated nerve fibers in peripheral nerves. <i>Anatomy and Embryology</i> , 2001 , 204, 1-10		74
233	On sampling and sampling errors in histomorphometry of peripheral nerve fibers. <i>Microsurgery</i> , 2004 , 24, 72-6	2.1	73
232	Electrical stimulation impairs early functional recovery and accentuates skeletal muscle atrophy after sciatic nerve crush injury in rats. <i>Muscle and Nerve</i> , 2010 , 41, 685-93	3.4	72
231	Nerve repair by means of vein filled with muscle grafts. II. Morphological analysis of regeneration. <i>Microsurgery</i> , 2000 , 20, 37-41	2.1	72
230	Chapter 25: Phototherapy in peripheral nerve injury: effects on muscle preservation and nerve regeneration. <i>International Review of Neurobiology</i> , 2009 , 87, 445-64	4.4	69
229	Use of skeletal muscle tissue in peripheral nerve repair: review of the literature. <i>Tissue Engineering</i> , 2004 , 10, 1027-36		66
228	Schwann cell behavior after nerve repair by means of tissue-engineered muscle-vein combined guides. <i>Journal of Comparative Neurology</i> , 2005 , 489, 249-59	3.4	66
227	Gelatin-based hydrogel for vascular endothelial growth factor release in peripheral nerve tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 459-470	4.4	64
226	Chapter 11: Tissue engineering of peripheral nerves. <i>International Review of Neurobiology</i> , 2009 , 87, 227-49	4.4	63
225	End-to-side (terminolateral) nerve regeneration: a challenge for neuroscientists coming from an intriguing nerve repair concept. <i>Brain Research Reviews</i> , 2006 , 52, 381-8		63
224	Grafting neural precursor cells promotes functional recovery in an SCA1 mouse model. <i>Journal of Neuroscience</i> , 2009 , 29, 13126-35	6.6	62
223	Chapter 4: Methods and protocols in peripheral nerve regeneration experimental research: part I-experimental models. <i>International Review of Neurobiology</i> , 2009 , 87, 47-79	4.4	62
222	Mesenchymal stem cell interaction with a non-woven hyaluronan-based scaffold suitable for tissue repair. <i>Journal of Anatomy</i> , 2008 , 213, 520-30	2.9	61
221	Toe out angle: a functional index for the evaluation of sciatic nerve recovery in the rat model. <i>Experimental Neurology</i> , 2003 , 183, 695-9	5.7	60

220	Functional and morphological assessment of a standardized crush injury of the rat median nerve. <i>Journal of Neuroscience Methods</i> , 2009 , 179, 51-7	3	59
219	PLGA 90/10 and caprolactone biodegradable nerve guides for the reconstruction of the rat sciatic nerve. <i>Microsurgery</i> , 2007 , 27, 125-37	2.1	59
218	Use of poly(DL-lactide-ε-caprolactone) membranes and mesenchymal stem cells from the Wharton's jelly of the umbilical cord for promoting nerve regeneration in axonotmesis: in vitro and in vivo analysis. <i>Differentiation</i> , 2012 , 84, 355-65	3.5	57
217	Postconditioning induces an anti-apoptotic effect and preserves mitochondrial integrity in isolated rat hearts. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009 , 1787, 794-801	4.6	57
216	A comparison analysis of hindlimb kinematics during overground and treadmill locomotion in rats. <i>Behavioural Brain Research</i> , 2006 , 172, 212-8	3.4	57
215	Tubulization with chitosan guides for the repair of long gap peripheral nerve injury in the rat. <i>Microsurgery</i> , 2015 , 35, 300-8	2.1	53
214	The use of chitosan-based scaffolds to enhance regeneration in the nervous system. <i>International Review of Neurobiology</i> , 2013 , 109, 1-62	4.4	52
213	In vitro models for peripheral nerve regeneration. <i>European Journal of Neuroscience</i> , 2016 , 43, 287-96	3.5	52
212	Methylprednisolone fails to improve functional and histological outcome following spinal cord injury in rats. <i>Experimental Neurology</i> , 2009 , 220, 71-81	5.7	51
211	Ankle kinematics to evaluate functional recovery in crushed rat sciatic nerve. <i>Muscle and Nerve</i> , 2003 , 27, 706-14	3.4	51
210	The revolution of counting "tops": two decades of the disector principle in morphological research. <i>Microscopy Research and Technique</i> , 2005 , 66, 270-4	2.8	51
209	Peripheral Nerve Regeneration Through Hydrogel-Enriched Chitosan Conduits Containing Engineered Schwann Cells for Drug Delivery. <i>Cell Transplantation</i> , 2016 , 25, 159-82	4	51
208	Perspectives in regeneration and tissue engineering of peripheral nerves. <i>Annals of Anatomy</i> , 2011 , 193, 334-40	2.9	50
207	Comparison of fresh and predegenerated muscle-vein-combined guides for the repair of rat median nerve. <i>Microsurgery</i> , 2007 , 27, 48-55	2.1	50
206	Bridging peripheral nerve defects with muscle-vein combined guides. <i>Neurological Research</i> , 2004 , 26, 139-44	2.7	50
205	Primary repair of crush nerve injuries by means of biological tubulization with muscle-vein-combined grafts. <i>Microsurgery</i> , 2012 , 32, 358-63	2.1	49
204	Morphological characterization of GFP stably transfected adult mesenchymal bone marrow stem cells. <i>Journal of Anatomy</i> , 2006 , 208, 3-12	2.9	49
203	Platelet-rich plasma and skeletal muscle healing: a molecular analysis of the early phases of the regeneration process in an experimental animal model. <i>PLoS ONE</i> , 2014 , 9, e102993	3.7	48

202	Neuronal intermediate filament expression in rat dorsal root ganglia sensory neurons: an in vivo and in vitro study. <i>Neuroscience</i> , 2008 , 153, 1153-63	3.9	48
201	Schwann-cell proliferation in muscle-vein combined conduits for bridging rat sciatic nerve defects. <i>Journal of Reconstructive Microsurgery</i> , 2003 , 19, 119-23; discussion 124	2.5	48
200	Calibration of the stereological estimation of the number of myelinated axons in the rat sciatic nerve: a multicenter study. <i>Journal of Neuroscience Methods</i> , 2010 , 187, 90-9	3	47
199	Confocal imaging of Schwann-cell migration along muscle-vein combined grafts used to bridge nerve defects in the rat. <i>Microsurgery</i> , 2001 , 21, 153-5	2.1	47
198	The influence of electrospun fibre size on Schwann cell behaviour and axonal outgrowth. <i>Materials Science and Engineering C</i> , 2015 , 48, 620-31	8.3	45
197	Employment of the mouse median nerve model for the experimental assessment of peripheral nerve regeneration. <i>Journal of Neuroscience Methods</i> , 2008 , 169, 119-27	3	43
196	Morphologic and functional study of rat median nerve repair by terminolateral neuroorrhaphy of the ulnar nerve. <i>Journal of Reconstructive Microsurgery</i> , 2003 , 19, 257-64	2.5	43
195	The role of neurotrophic factors conjugated to iron oxide nanoparticles in peripheral nerve regeneration: in vitro studies. <i>BioMed Research International</i> , 2014 , 2014, 267808	3	41
194	Can regenerated nerve fibers return to normal size? A long-term post-traumatic study of the rat median nerve crush injury model. <i>Microsurgery</i> , 2012 , 32, 383-7	2.1	41
193	Chapter 1: Peripheral nerve repair and regeneration research: a historical note. <i>International Review of Neurobiology</i> , 2009 , 87, 1-7	4.4	41
192	Use of PLGA 90:10 scaffolds enriched with in vitro-differentiated neural cells for repairing rat sciatic nerve defects. <i>Tissue Engineering - Part A</i> , 2008 , 14, 979-93	3.9	40
191	A comparison of two-dimensional and three-dimensional techniques for the determination of hindlimb kinematics during treadmill locomotion in rats following spinal cord injury. <i>Journal of Neuroscience Methods</i> , 2008 , 173, 193-200	3	40
190	HuC/D confocal imaging points to olfactory migratory cells as the first cell population that expresses a post-mitotic neuronal phenotype in the chick embryo. <i>Neuroscience</i> , 2003 , 122, 123-8	3.9	40
189	Electrical stimulation based on chronaxie reduces atrogin-1 and myoD gene expressions in denervated rat muscle. <i>Muscle and Nerve</i> , 2007 , 35, 87-97	3.4	39
188	Update on stereology for light microscopy. <i>Cell and Tissue Research</i> , 2015 , 360, 5-12	4.2	38
187	Tissue specificity in rat peripheral nerve regeneration through combined skeletal muscle and vein conduit grafts. <i>Microsurgery</i> , 2000 , 20, 65-71	2.1	38
186	Morphological analysis of peripheral nerve regenerated by means of vein grafts filled with fresh skeletal muscle. <i>Anatomy and Embryology</i> , 2000 , 201, 475-82		38
185	Rolipram promotes functional recovery after contusive thoracic spinal cord injury in rats. <i>Behavioural Brain Research</i> , 2013 , 243, 66-73	3.4	37

184	The Neuregulin1/ErbB system is selectively regulated during peripheral nerve degeneration and regeneration. <i>European Journal of Neuroscience</i> , 2016 , 43, 351-64	3.5	36
183	Functional assessment of sciatic nerve recovery: biodegradable poly (DLLA-epsilon-CL) nerve guide filled with fresh skeletal muscle. <i>Microsurgery</i> , 2003 , 23, 346-53	2.1	36
182	Alternative techniques for peripheral nerve repair: conduits and end-to-side neurorrhaphy. <i>Acta Neurochirurgica Supplementum</i> , 2007 , 100, 43-50	1.7	36
181	Platelet gel does not improve peripheral nerve regeneration: an electrophysiological, stereological, and electron microscopic study. <i>Microsurgery</i> , 2009 , 29, 144-53	2.1	35
180	Adult stem cells and neurogenesis: historical roots and state of the art. <i>The Anatomical Record</i> , 2001 , 265, 132-41		35
179	Staining Methods for Normal and Regenerative Myelin in the Nervous System. <i>Methods in Molecular Biology</i> , 2017 , 1560, 207-218	1.4	34
178	Effect of vascular endothelial growth factor gene therapy on post-traumatic peripheral nerve regeneration and denervation-related muscle atrophy. <i>Gene Therapy</i> , 2013 , 20, 1014-21	4	34
177	Peripheral nerve injury and axonotmesis: State of the art and recent advances. <i>Cogent Medicine</i> , 2018 , 5, 1466404	1.4	34
176	Fluorescent silica nanoparticles improve optical imaging of stem cells allowing direct discrimination between live and early-stage apoptotic cells. <i>Small</i> , 2012 , 8, 3192-200	11	33
175	Comparison of results between chitosan hollow tube and autologous nerve graft in reconstruction of peripheral nerve defect: An experimental study. <i>Microsurgery</i> , 2016 , 36, 664-671	2.1	32
174	Melt-extruded guides for peripheral nerve regeneration. Part I: poly(epsilon-caprolactone). <i>Biomedical Microdevices</i> , 2009 , 11, 1037-50	3.7	32
173	The ulnar test: a method for the quantitative functional assessment of posttraumatic ulnar nerve recovery in the rat. <i>Journal of Neuroscience Methods</i> , 2006 , 154, 198-203	3	32
172	A free vein graft cap influences neuroma formation after nerve transection. <i>Microsurgery</i> , 2009 , 29, 568-72		31
171	Prenatal exposure to a non-steroidal anti-inflammatory drug or saline solution impairs sciatic nerve morphology: a stereological and histological study. <i>International Journal of Developmental Neuroscience</i> , 2008 , 26, 733-8	2.7	31
170	Morphological, molecular and functional differences of adult bone marrow- and adipose-derived stem cells isolated from rats of different ages. <i>Experimental Cell Research</i> , 2012 , 318, 2034-48	4.2	30
169	Future perspectives in nerve repair and regeneration. <i>International Review of Neurobiology</i> , 2013 , 109, 165-92	4.4	30
168	Porous Poly(Ecaprolactone) Nerve Guide Filled with Porous Gelatin Matrix for Nerve Tissue Engineering. <i>Advanced Engineering Materials</i> , 2011 , 13, B151-B164	3.5	30
167	Irreversible changes occurring in long-term denervated Schwann cells affect delayed nerve repair. <i>Journal of Neurosurgery</i> , 2017 , 127, 843-856	3.2	29

166	Regeneration of long-distance peripheral nerve defects after delayed reconstruction in healthy and diabetic rats is supported by immunomodulatory chitosan nerve guides. <i>BMC Neuroscience</i> , 2017 , 18, 53	3.2	29
165	Repairing nerve gaps by vein conduits filled with lipoaspirate-derived entire adipose tissue hinders nerve regeneration. <i>Annals of Anatomy</i> , 2013 , 195, 225-30	2.9	29
164	Effects of collagen membranes enriched with in vitro-differentiated N1E-115 cells on rat sciatic nerve regeneration after end-to-end repair. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2010 , 7, 7	5.3	29
163	Neurotrophins and their receptors in early axonal regeneration along muscle-vein-combined grafts. <i>Microsurgery</i> , 2002 , 22, 300-3	2.1	29
162	Expression of antioxidant molecules after peripheral nerve injury and regeneration. <i>Journal of Neuroscience Research</i> , 2012 , 90, 842-8	4.4	28
161	The effect of melatonin and platelet gel on sciatic nerve repair: an electrophysiological and stereological study. <i>Microsurgery</i> , 2011 , 31, 306-13	2.1	28
160	Nerve regeneration along bioengineered scaffolds. <i>Microsurgery</i> , 2007 , 27, 429-38	2.1	28
159	Appreciating the difference between design-based and model-based sampling strategies in quantitative morphology of the nervous system. <i>Journal of Comparative Neurology</i> , 2000 , 427, 333-9	3.4	28
158	Update on nerve repair by biological tubulization. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2014 , 9, 3	1.5	27
157	Comparison of biodegradable conduits within aged rat sciatic nerve defects. <i>Plastic and Reconstructive Surgery</i> , 2008 , 121, 705-706	2.7	27
156	Use of muscle-vein-combined Y-chambers for repair of multiple nerve lesions: experimental results. <i>Microsurgery</i> , 2004 , 24, 459-64	2.1	27
155	Nerve Repair Using Decellularized Nerve Grafts in Rat Models. A Review of the Literature. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 427	6.1	27
154	Evaluation of Vascular Endothelial Growth Factor (VEGF) and Its Family Member Expression After Peripheral Nerve Regeneration and Denervation. <i>Anatomical Record</i> , 2018 , 301, 1646-1656	2.1	26
153	Effects of umbilical cord tissue mesenchymal stem cells (UCX ⁺) on rat sciatic nerve regeneration after neurotmesis injuries. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2014 , 10, 14-26	0.8	26
152	Chitosan crosslinked flat scaffolds for peripheral nerve regeneration. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 045010	3.5	25
151	Perforator-based propeller flaps treating loss of substance in the lower limb. <i>Journal of Orthopaedics and Traumatology</i> , 2011 , 12, 93-9	5	25
150	Standardized crush injury of the mouse median nerve. <i>Journal of Neuroscience Methods</i> , 2010 , 188, 71-5	3	24
149	Early homing of adult mesenchymal stem cells in normal and infarcted isolated beating hearts. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 507-21	5.6	24

148	Microsurgical arteriovenous loops and biological templates: a novel in vivo chamber for tissue engineering. <i>Microsurgery</i> , 2007 , 27, 623-9	2.1	24
147	Expression of alpha2a-2b neuregulin-1 is associated with early peripheral nerve repair along muscle-enriched tubes. <i>NeuroReport</i> , 2003 , 14, 1541-5	1.7	24
146	Evidence of very early neuronal migration from the olfactory placode of the chick embryo. <i>Neuroscience</i> , 2001 , 107, 191-7	3.9	24
145	The use of sheep as a model for studying peripheral nerve regeneration following nerve injury: review of the literature. <i>Neurological Research</i> , 2017 , 39, 926-939	2.7	23
144	Chitosan Tubes Enriched with Fresh Skeletal Muscle Fibers for Primary Nerve Repair. <i>BioMed Research International</i> , 2018 , 2018, 9175248	3	23
143	Origin and history of end-to-side neurorrhaphy. <i>Microsurgery</i> , 2007 , 27, 56-61	2.1	23
142	Neural cell transplantation effects on sciatic nerve regeneration after a standardized crush injury in the rat. <i>Microsurgery</i> , 2008 , 28, 458-70	2.1	23
141	Enhanced axon outgrowth and improved long-distance axon regeneration in sprouty2 deficient mice. <i>Developmental Neurobiology</i> , 2015 , 75, 217-31	3.2	22
140	Identification and validation of suitable housekeeping genes for normalizing quantitative real-time PCR assays in injured peripheral nerves. <i>PLoS ONE</i> , 2014 , 9, e105601	3.7	22
139	Promoting nerve regeneration in a neurotmesis rat model using poly(DL-lactide-ε-caprolactone) membranes and mesenchymal stem cells from the Wharton's jelly: in vitro and in vivo analysis. <i>BioMed Research International</i> , 2014 , 2014, 302659	3	22
138	Lack of topographic specificity in nerve fiber regeneration of rat forelimb mixed nerves. <i>Neuroscience</i> , 2007 , 144, 985-90	3.9	22
137	Discrepancies in quantitative assessment of normal and regenerated peripheral nerve fibers between light and electron microscopy. <i>Journal of the Peripheral Nervous System</i> , 2014 , 19, 224-33	4.7	21
136	Morphology of nerve fiber regeneration along a biodegradable poly (DLLA-epsilon-CL) nerve guide filled with fresh skeletal muscle. <i>Microsurgery</i> , 2003 , 23, 338-45	2.1	21
135	In vitro and in vivo chitosan membranes testing for peripheral nerve reconstruction. <i>Acta Medica Portuguesa</i> , 2011 , 24, 43-52	1.4	21
134	SilkBridge: a novel biomimetic and biocompatible silk-based nerve conduit. <i>Biomaterials Science</i> , 2019 , 7, 4112-4130	7.4	20
133	Generation of new neurons in dorsal root Ganglia in adult rats after peripheral nerve crush injury. <i>Neural Plasticity</i> , 2015 , 2015, 860546	3.3	20
132	Termino-lateral nerve suture in lesions of the digital nerves: clinical experience and literature review. <i>Journal of Hand Surgery: European Volume</i> , 2010 , 35, 109-14	1.4	20
131	Two factor-based reprogramming of rodent and human fibroblasts into Schwann cells. <i>Nature Communications</i> , 2017 , 8, 14088	17.4	19

130	Denervation and reinnervation of adult skeletal muscle modulate mRNA expression of neuregulin-1 and ErbB receptors. <i>Microsurgery</i> , 2009 , 29, 464-72	2.1	19
129	ErbB2 receptor over-expression improves post-traumatic peripheral nerve regeneration in adult mice. <i>PLoS ONE</i> , 2013 , 8, e56282	3.7	19
128	The Median Nerve Injury Model in Pre-clinical Research - A Critical Review on Benefits and Limitations. <i>Frontiers in Cellular Neuroscience</i> , 2019 , 13, 288	6.1	18
127	Factors Ruling the Uptake of Silica Nanoparticles by Mesenchymal Stem Cells: Agglomeration Versus Dispersions, Absence Versus Presence of Serum Proteins. <i>Small</i> , 2015 , 11, 2919-28	11	17
126	Tissue engineering and peripheral nerve reconstruction: an overview. <i>International Review of Neurobiology</i> , 2013 , 108, 35-57	4.4	17
125	Selection of the donor nerve for end-to-side neuroorrhaphy. <i>Journal of Neurosurgery</i> , 2007 , 107, 378-82	3.2	17
124	Epineurial Window Is More Efficient in Attracting Axons than Simple Coaptation in a Sutureless (Cyanoacrylate-Bound) Model of End-to-Side Nerve Repair in the Rat Upper Limb: Functional and Morphometric Evidences and Review of the Literature. <i>PLoS ONE</i> , 2016 , 11, e0148443	3.7	17
123	The reasons for end-to-side coaptation: how does lateral axon sprouting work?. <i>Neural Regeneration Research</i> , 2017 , 12, 529-533	4.5	17
122	Evaluation of PVA biodegradable electric conductive membranes for nerve regeneration in axonotmesis injuries: the rat sciatic nerve animal model. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1267-1280	5.4	16
121	Chitosan membranes applied on the prostatic neurovascular bundles after nerve-sparing robot-assisted radical prostatectomy: a phase II study. <i>BJU International</i> , 2018 , 121, 472-478	5.6	16
120	Morphological and biomolecular characterization of the neonatal olfactory bulb ensheathing cell line. <i>Journal of Neuroscience Methods</i> , 2009 , 185, 89-98	3	16
119	Chapter 14: End-to-side nerve regeneration: from the laboratory bench to clinical applications. <i>International Review of Neurobiology</i> , 2009 , 87, 281-94	4.4	16
118	Evaluation of biodegradable electric conductive tube-guides and mesenchymal stem cells. <i>World Journal of Stem Cells</i> , 2015 , 7, 956-75	5.6	16
117	Plasticity and regeneration in the peripheral nervous system. <i>Italian Journal of Anatomy and Embryology</i> , 2010 , 115, 91-4		16
116	Loss of the Human Cytomegalovirus US16 Protein Abrogates Virus Entry into Endothelial and Epithelial Cells by Reducing the Virion Content of the Pentamer. <i>Journal of Virology</i> , 2017 , 91,	6.6	15
115	Modulation of the Neuregulin 1/ErbB system after skeletal muscle denervation and reinnervation. <i>Scientific Reports</i> , 2018 , 8, 5047	4.9	15
114	The amnion muscle combined graft (AMCG) conduits: a new alternative in the repair of wide substance loss of peripheral nerves. <i>Microsurgery</i> , 2014 , 34, 616-22	2.1	15
113	Postnatal histogenesis in the peripheral nervous system. <i>International Journal of Developmental Neuroscience</i> , 2002 , 20, 475-9	2.7	15

112	Mice harbouring a SCA28 patient mutation in AFG3L2 develop late-onset ataxia associated with enhanced mitochondrial proteotoxicity. <i>Neurobiology of Disease</i> , 2019 , 124, 14-28	7.5	15
111	Unacylated Ghrelin Enhances Satellite Cell Function and Relieves the Dystrophic Phenotype in Duchenne Muscular Dystrophy mdx Model. <i>Stem Cells</i> , 2017 , 35, 1733-1746	5.8	14
110	Cardioprotective Properties of Human Platelets Are Lost in Uncontrolled Diabetes Mellitus: A Study in Isolated Rat Hearts. <i>Frontiers in Physiology</i> , 2018 , 9, 875	4.6	14
109	The mouse median nerve experimental model in regenerative research. <i>BioMed Research International</i> , 2014 , 2014, 701682	3	14
108	ErbB receptors modulation in different types of peripheral nerve regeneration. <i>NeuroReport</i> , 2008 , 19, 1605-9	1.7	14
107	Chitosan tubes enriched with fresh skeletal muscle fibers for delayed repair of peripheral nerve defects. <i>Neural Regeneration Research</i> , 2019 , 14, 1079-1084	4.5	14
106	Possible promoting effects of melatonin, leptin and alcar on regeneration of the sciatic nerve. <i>Journal of Chemical Neuroanatomy</i> , 2017 , 81, 34-41	3.2	13
105	Muscle grafts and alternatives for nerve repair. <i>Journal of Oral and Maxillofacial Surgery</i> , 2002 , 60, 1095-6; author reply 1096	1.8	13
104	Neurogenesis and stem cells in adult mammalian dorsal root ganglia. <i>The Anatomical Record</i> , 2000 , 261, 139-40		13
103	In vitro evaluation of gelatin and chitosan electrospun fibres as an artificial guide in peripheral nerve repair: a comparative study. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018 , 12, e679-e694	4.4	12
102	Efficacy of anti-adhesion gel of carboxymethylcellulose with polyethylene oxide on peripheral nerve: Experimental results on a mouse model. <i>Muscle and Nerve</i> , 2016 , 53, 304-9	3.4	12
101	Nanotechnology versus stem cell engineering: in vitro comparison of neurite inductive potentials. <i>International Journal of Nanomedicine</i> , 2014 , 9, 5289-306	7.3	12
100	Evaluation methods in the assessment of peripheral nerve regeneration. <i>Journal of Neurosurgery</i> , 2008 , 109, 360-2; author reply 362	3.2	12
99	DNA content in neurons of Auerbach's plexus under experimental conditions in adult rats. <i>International Journal of Developmental Neuroscience</i> , 1988 , 6, 109-15	2.7	12
98	Myocardial ischemia/reperfusion upregulates the transcription of the Neuregulin1 receptor ErbB3, but only postconditioning preserves protein translation: Role in oxidative stress. <i>International Journal of Cardiology</i> , 2017 , 233, 73-79	3.2	11
97	Neuregulin1 alpha activates migration of neuronal progenitors expressing ErbB4. <i>Molecular and Cellular Neurosciences</i> , 2016 , 77, 87-94	4.8	11
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