

Stefano Geuna

List of Publications by Year in Descending Order

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Version: 2024-04-29

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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	Potential Effects of Stem Cells Derived from the Peripheral Nerve and Adipose Tissue after the Nerve Crush Injury in Control and Obese Rats.. <i>Journal of Investigative Surgery</i> , 2022 , 1-13	1.2	
254	Can we promote neural regeneration through microbiota-targeted strategies? Introducing the new concept of neurobiotics.. <i>Neural Regeneration Research</i> , 2022 , 17, 1965-1966	4.5	0
253	Autonomic Nervous System Repair and Regeneration. <i>Reference Series in Biomedical Engineering</i> , 2022 , 111-130		
252	Neurodynamic Treatment Promotes Mechanical Pain Modulation in Sensory Neurons and Nerve Regeneration in Rats. <i>Biomedicines</i> , 2022 , 10, 1296	4.8	
251	Autonomic Nervous System Repair and Regeneration. <i>Reference Series in Biomedical Engineering</i> , 2021 , 1-21		
250	Studying nerve transfers: Searching for a consensus in nerve axons count. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2021 , 74, 2731-2736	1.7	
249	Preclinical study of peripheral nerve regeneration using nerve guidance conduits based on polyhydroxyalkanoates. <i>Bioengineering and Translational Medicine</i> , 2021 , 6, e10223	14.8	3
248	The neurodynamic treatment induces biological changes in sensory and motor neurons in vitro. <i>Scientific Reports</i> , 2021 , 11, 13277	4.9	3
247	Effectiveness of Hyaluronan Autocross-Linked-Based Gel in the Prevention of Peritendinous Adherence Following Tenolysis. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 7613	2.6	
246	Gut Microbiota and Neuroplasticity. <i>Cells</i> , 2021 , 10,	7.9	4
245	Validation and Reliability of a Novel Vagus Nerve Neurodynamic Test and Its Effects on Heart Rate in Healthy Subjects: Little Differences Between Sexes. <i>Frontiers in Neuroscience</i> , 2021 , 15, 698470	5.1	0
244	Combined Use of Chitosan and Olfactory Mucosa Mesenchymal Stem/Stromal Cells to Promote Peripheral Nerve Regeneration. <i>Stem Cells International</i> , 2021 , 2021, 6613029	5	11
243	Establishment of a Sheep Model for Hind Limb Peripheral Nerve Injury: Common Peroneal Nerve. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
242	Fibroblasts Colonizing Nerve Conduits Express High Levels of Soluble Neuregulin1, a Factor Promoting Schwann Cell Dedifferentiation. <i>Cells</i> , 2020 , 9,	7.9	5
241	Rat Olfactory Mucosa Mesenchymal Stem/Stromal Cells (OM-MSCs): A Characterization Study. <i>International Journal of Cell Biology</i> , 2020 , 2020, 2938258	2.6	4
240	Critical analysis of the value of the rabbit median nerve model for biomedical research on peripheral nerve grafts. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 736-740	4.4	3
239	Lumbrical Muscles Neural Branching Patterns: A Cadaveric Study With Potential Clinical Implications. <i>Hand</i> , 2020 , 1558944720963881	1.4	2

238	Role of neurotrophic factors in enhancing linear axonal growth of ganglionic sensory neurons. <i>Neural Regeneration Research</i> , 2020 , 15, 1732-1739	4.5	9
237	Dextran-based tube-guides for the regeneration of the rat sciatic nerve after neurotmesis injury. <i>Biomaterials Science</i> , 2020 , 8, 798-811	7.4	6
236	Preclinical Validation of SilkBridge for Peripheral Nerve Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 835	5.8	10
235	Expression patterns and functional evaluation of RGMa during the early phase of peripheral nerve regeneration using the mouse median nerve model. <i>Restorative Neurology and Neuroscience</i> , 2019 , 37, 265-272	2.8	1
234	New basic insights on the potential of a chitosan-based medical device for improving functional recovery after radical prostatectomy. <i>BJU International</i> , 2019 , 124, 1063-1076	5.6	4
233	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
232	The Use of a Hypoallergenic Dermal Matrix for Wrapping in Peripheral Nerve Lesions Regeneration: Functional and Quantitative Morphological Analysis in an Experimental Animal Model. <i>BioMed Research International</i> , 2019 , 2019, 4750624	3	3
231	SilkBridge—a novel biomimetic and biocompatible silk-based nerve conduit. <i>Biomaterials Science</i> , 2019 , 7, 4112-4130	7.4	20
230	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
229	Distal nerve transfer from the median nerve lumbrical fibers to the distal ulnar nerve motor branches in the palm: An anatomical cadaveric study. <i>Microsurgery</i> , 2019 , 39, 434-440	2.1	5
228	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
227	Kinematic and kinetic gait analysis to evaluate functional recovery in thoracic spinal cord injured rats. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 98, 18-28	9	6
226	Modulation of the Neuregulin 1/ErbB system after skeletal muscle denervation and reinnervation. <i>Scientific Reports</i> , 2018 , 8, 5047	4.9	15
225	Soluble Neuregulin1 is strongly up-regulated in the rat model of Charcot-Marie-Tooth 1A disease. <i>Experimental Biology and Medicine</i> , 2018 , 243, 370-374	3.7	7
224	Combined Influence of Gelatin Fibre Topography and Growth Factors on Cultured Dorsal Root Ganglia Neurons. <i>Anatomical Record</i> , 2018 , 301, 1668-1677	2.1	5
223	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
222	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
221	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

220	The amnion muscle combined graft (AMCG) conduits in nerves repair: an anatomical and experimental study on a rat model. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 120	4.5	6
219	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
218	Soluble Neuregulin1 Down-Regulates Myelination Genes in Schwann Cells. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 157	6.1	5
217	Chitosan Tubes Enriched with Fresh Skeletal Muscle Fibers for Primary Nerve Repair. <i>BioMed Research International</i> , 2018 , 2018, 9175248	3	23
216	Kinematic patterns for hindlimb obstacle avoidance during sheep locomotion. <i>Neurological Research</i> , 2018 , 40, 963-971	2.7	5
215	Peripheral nerve injury and axonotmesis: State of the art and recent advances. <i>Cogent Medicine</i> , 2018 , 5, 1466404	1.4	34
214	Strategies to improve nerve regeneration after radical prostatectomy: a narrative review. <i>Minerva Urologica E Nefrologica = the Italian Journal of Urology and Nephrology</i> , 2018 , 70, 546-558	4.4	9
213	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
212	Introduction: Thematic Papers Issue on Peripheral Nerve Regeneration and Repair. <i>Anatomical Record</i> , 2018 , 301, 1614-1617	2.1	7
211	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
210	Staining Methods for Normal and Regenerative Myelin in the Nervous System. <i>Methods in Molecular Biology</i> , 2017 , 1560, 207-218	1.4	34
209	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
208	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
207	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
206	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
205	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
204	Two factor-based reprogramming of rodent and human fibroblasts into Schwann cells. <i>Nature Communications</i> , 2017 , 8, 14088	17.4	19
203	Possible effects of some agents on the injured nerve in obese rats: A stereological and electron microscopic study. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017 , 45, 1258-1267	3.6	5

202	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
201	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
200	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
199	Dynamic feet distance: A new functional assessment during treadmill locomotion in normal and thoracic spinal cord injured rats. <i>Behavioural Brain Research</i> , 2017 , 335, 132-135	3.4	1
198	Use of human fat grafting in the prevention of perineural adherence: Experimental study in athymic mouse. <i>PLoS ONE</i> , 2017 , 12, e0176393	3.7	7
197	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
196	Chitosan crosslinked flat scaffolds for peripheral nerve regeneration. <i>Biomedical Materials (Bristol)</i> , 2016 , 11, 045010	3.5	25
195	Neuregulin1 alpha activates migration of neuronal progenitors expressing ErbB4. <i>Molecular and Cellular Neurosciences</i> , 2016 , 77, 87-94	4.8	11
194	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
193	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
192	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
191	Chitosan-film enhanced chitosan nerve guides for long-distance regeneration of peripheral nerves. <i>Biomaterials</i> , 2016 , 76, 33-51	15.6	114
190	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
189	In vitro models for peripheral nerve regeneration. <i>European Journal of Neuroscience</i> , 2016 , 43, 287-96	3.5	52
188	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
187	Update on stereology for light microscopy. <i>Cell and Tissue Research</i> , 2015 , 360, 5-12	4.2	38
186	Local delivery of the Neuregulin1 receptor ecto-domain (ecto-ErbB4) has a positive effect on regenerated nerve fiber maturation. <i>Gene Therapy</i> , 2015 , 22, 901-7	4	5
185	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

184	The role of hybrid chitosan membranes on scarring process following lumbar surgery: post-laminectomy experimental model. <i>Neurological Research</i> , 2015 , 37, 23-9	2.7	7
183	Enhanced axon outgrowth and improved long-distance axon regeneration in sprouty2 deficient mice. <i>Developmental Neurobiology</i> , 2015 , 75, 217-31	3.2	22
182	Uptake: Factors Ruling the Uptake of Silica Nanoparticles by Mesenchymal Stem Cells: Agglomeration Versus Dispersions, Absence Versus Presence of Serum Proteins (Small 24/2015). <i>Small</i> , 2015 , 11, 2918-2918	11	1
181	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
180	AAV vector encoding human VEGF165-transduced pectineus muscular flaps increase the formation of new tissue through induction of angiogenesis in an in vivo chamber for tissue engineering: A technique to enhance tissue and vessels in microsurgically engineered tissue. <i>Journal of Tissue Engineering</i> , 2015 , 6, 2041731415611717	7.5	7
179	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
178	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
177	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
176	The sciatic nerve injury model in pre-clinical research. <i>Journal of Neuroscience Methods</i> , 2015 , 243, 39-46	3	76
175	New insights on the standardization of peripheral nerve regeneration quantitative analysis. <i>Neural Regeneration Research</i> , 2015 , 10, 707-9	4.5	4
174	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
173	A simple and reliable method to perform biomechanical evaluation of postoperative nerve adhesions. <i>Journal of Neuroscience Methods</i> , 2014 , 233, 73-7	3	10
172	Update on nerve repair by biological tubulization. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2014 , 9, 3	1.5	27
171	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
170	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
169	Does pulsed magnetic field therapy influence nerve regeneration in the median nerve model of the rat?. <i>BioMed Research International</i> , 2014 , 2014, 401760	3	10
168	Innervation of a prefabricated flap: a new experimental model. <i>BioMed Research International</i> , 2014 , 2014, 549819	3	
167	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

166	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
165	Challenges for nerve repair using chitosan-siloxane hybrid porous scaffolds. <i>BioMed Research International</i> , 2014 , 2014, 153808	3	10
164	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
163	Sensoric protection after median nerve injury: babysitter-procedure prevents muscular atrophy and improves neuronal recovery. <i>BioMed Research International</i> , 2014 , 2014, 724197	3	6
162	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
161	Effects of prenatal exposure to diclofenac sodium and saline on the optic nerve of 4- and 20-week-old male rats: a stereological and histological study. <i>Biotechnic and Histochemistry</i> , 2014 , 89, 136-44	1.8	6
160	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
159	The mouse median nerve experimental model in regenerative research. <i>BioMed Research International</i> , 2014 , 2014, 701682	3	14
158	Novel systems for tailored neurotrophic factor release based on hydrogel and resorbable glass hollow fibers. <i>Materials Science and Engineering C</i> , 2014 , 36, 25-32	8.3	11
157	Correlation analysis of histomorphometry and motor neurography in the median nerve rat model. <i>Eplasty</i> , 2014 , 14, e17	0.3	4
156	Experimental model for the study of the effects of platelet-rich plasma on the early phases of muscle healing. <i>Blood Transfusion</i> , 2014 , 12 Suppl 1, s221-8	3.6	7
155	Neuregulin 1 isoforms could be an effective therapeutic candidate to promote peripheral nerve regeneration. <i>Neural Regeneration Research</i> , 2014 , 9, 1183-5	4.5	8
154	Effects of umbilical cord tissue mesenchymal stem cells (UCMSC) on rat sciatic nerve regeneration after neurotmesis injuries. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2014 , 10, 14-26	0.8	26
153	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
152	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
151	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
150	Chitosan tubes of varying degrees of acetylation for bridging peripheral nerve defects. <i>Biomaterials</i> , 2013 , 34, 9886-904	15.6	113
149	Rolipram promotes functional recovery after contusive thoracic spinal cord injury in rats. <i>Behavioural Brain Research</i> , 2013 , 243, 66-73	3.4	37

148	Phototherapy and nerve injury: focus on muscle response. <i>International Review of Neurobiology</i> , 2013 , 109, 99-109	4.4	11
147	Tissue engineering and peripheral nerve reconstruction: an overview. <i>International Review of Neurobiology</i> , 2013 , 108, 35-57	4.4	17
146	Evaluating the role of Netrin-1 during the early phase of peripheral nerve regeneration using the mouse median nerve model. <i>Restorative Neurology and Neuroscience</i> , 2013 , 31, 337-45	2.8	11
145	Ghrelin: a novel neuromuscular recovery promoting factor?. <i>International Review of Neurobiology</i> , 2013 , 108, 207-21	4.4	7
144	Expression patterns and functional evaluation of the UNC5b receptor during the early phase of peripheral nerve regeneration using the mouse median nerve model. <i>Microsurgery</i> , 2013 , 33, 216-22	2.1	10
143	Future perspectives in nerve repair and regeneration. <i>International Review of Neurobiology</i> , 2013 , 109, 165-92	4.4	30
142	Mesenchymal Stem Cells from Extra-Embryonic Tissues for Tissue Engineering [Regeneration of the Peripheral Nerve 2013 ,		3
141	Acylated and unacylated ghrelin impair skeletal muscle atrophy in mice. <i>Journal of Clinical Investigation</i> , 2013 , 123, 611-22	15.9	115
140	ErbB2 receptor over-expression improves post-traumatic peripheral nerve regeneration in adult mice. <i>PLoS ONE</i> , 2013 , 8, e56282	3.7	19
139	BIOHYBRID - Biohybrid templates for peripheral nerve regeneration. <i>Journal of the Peripheral Nervous System</i> , 2012 , 17, 220-2	4.7	7
138	Neuregulin1 administration increases axonal elongation in dissociated primary sensory neuron cultures. <i>Experimental Cell Research</i> , 2012 , 318, 570-7	4.2	11
137	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
136	Expression of antioxidant molecules after peripheral nerve injury and regeneration. <i>Journal of Neuroscience Research</i> , 2012 , 90, 842-8	4.4	28
135	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
134	Self-renewal and multipotency coexist in a long-term cultured adult rat dental pulp stem cell line: an exception to the rule?. <i>Stem Cells and Development</i> , 2012 , 21, 3278-88	4.4	9
133	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
132	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
131	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

130	Peripheral nerve regeneration research: Why is it getting so "cool"?. <i>Neural Regeneration Research</i> , 2012 , 7, 2245-6	4.5	
129	Emerging issues in peripheral nerve repair. <i>Neural Regeneration Research</i> , 2012 , 7, 2267-72	4.5	6
128	Direct muscle neurotization after end-to end and end-to-side neurorrhaphy: An experimental study in the rat forelimb model. <i>Neural Regeneration Research</i> , 2012 , 7, 2273-8	4.5	2
127	Neurogenesis in the adult peripheral nervous system. <i>Neural Regeneration Research</i> , 2012 , 7, 1047-54	4.5	6
126	Application of two different hemostatic procedures during microsurgical median nerve reconstruction in the rat does not hinder axonal regeneration. <i>Neurosurgery</i> , 2011 , 68, 1399-403; discussion 1403-4	3.2	2
125	Perspectives in regeneration and tissue engineering of peripheral nerves. <i>Annals of Anatomy</i> , 2011 , 193, 334-40	2.9	50
124	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
123	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
122	Porous Poly(E-caprolactone) Nerve Guide Filled with Porous Gelatin Matrix for Nerve Tissue Engineering. <i>Advanced Engineering Materials</i> , 2011 , 13, B151-B164	3.5	30
121	Experimental and clinical employment of end-to-side coaptation: our experience. <i>Acta Neurochirurgica Supplementum</i> , 2011 , 108, 241-5	1.7	6
120	In vitro and in vivo chitosan membranes testing for peripheral nerve reconstruction. <i>Acta Medica Portuguesa</i> , 2011 , 24, 43-52	1.4	21
119	International symposium on peripheral nerve repair and regeneration and 2nd club Brunelli meeting. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2010 , 5, 5	1.5	3
118	The effect of gait speed on three-dimensional analysis of hindlimb kinematics during treadmill locomotion in rats. <i>Reviews in the Neurosciences</i> , 2010 , 21, 487-97	4.7	7
117	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
116	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
115	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
114	Standardized crush injury of the mouse median nerve. <i>Journal of Neuroscience Methods</i> , 2010 , 188, 71-5	3	24
113	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

112	Plasticity and regeneration in the peripheral nervous system. <i>Italian Journal of Anatomy and Embryology</i> , 2010 , 115, 91-4		16
111	Use of chitosan scaffolds for repairing rat sciatic nerve defects. <i>Italian Journal of Anatomy and Embryology</i> , 2010 , 115, 190-210		11
110	Local administration of DFO-loaded lipid particles improves recovery after end-to-end reconstruction of rat median nerve. <i>Restorative Neurology and Neuroscience</i> , 2009 , 27, 651-62	2.8	5
109	Grafting neural precursor cells promotes functional recovery in an SCA1 mouse model. <i>Journal of Neuroscience</i> , 2009 , 29, 13126-35	6.6	62
108	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
107	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
106	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
105	A free vein graft cap influences neuroma formation after nerve transection. <i>Microsurgery</i> , 2009 , 29, 568-72		31
104	Melt-extruded guides for peripheral nerve regeneration. Part I: poly(epsilon-caprolactone). <i>Biomedical Microdevices</i> , 2009 , 11, 1037-50	3.7	32
103	Lokale Applikation von Deferroxamin zur Verbesserung der Regeneration peripherer Nerven im Tierversuch. <i>Obere Extremitat</i> , 2009 , 4, 217-223	0.6	
102	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
101	Morphological and biomolecular characterization of the neonatal olfactory bulb ensheathing cell line. <i>Journal of Neuroscience Methods</i> , 2009 , 185, 89-98	3	16
100	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
99	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
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