

Giulia Ronchi

List of Publications by Year in descending order

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62
papers

2,012
citations

218677

26
h-index

254184

43
g-index

64
all docs

64
docs citations

64
times ranked

2734
citing authors

#	ARTICLE	IF	CITATIONS
1	Chapter 3 Histology of the Peripheral Nerve and Changes Occurring During Nerve Regeneration. <i>International Review of Neurobiology</i> , 2009, 87, 27-46.	2.0	218
2	Chitosan-film enhanced chitosan nerve guides for long-distance regeneration of peripheral nerves. <i>Biomaterials</i> , 2016, 76, 33-51.	11.4	156
3	Acylated and unacylated ghrelin impair skeletal muscle atrophy in mice. <i>Journal of Clinical Investigation</i> , 2013, 123, 611-22.	8.2	140
4	Chapter 5 Methods and Protocols in Peripheral Nerve Regeneration Experimental Research. <i>International Review of Neurobiology</i> , 2009, 87, 81-103.	2.0	111
5	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.	2.0	73
6	Functional and morphological assessment of a standardized crush injury of the rat median nerve. <i>Journal of Neuroscience Methods</i> , 2009, 179, 51-57.	2.5	67
7	Peripheral nerve injury and axonotmesis: State of the art and recent advances. <i>Cogent Medicine</i> , 2018, 5, 1466404.	0.7	65
8	Use of poly(DL-lactide- μ -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, 355-365.	1.9	62
9	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, 90-99.	2.5	56
10	Employment of the mouse median nerve model for the experimental assessment of peripheral nerve regeneration. <i>Journal of Neuroscience Methods</i> , 2008, 169, 119-127.	2.5	48
11	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, 383-387.	1.3	48
12	The Neuregulin1/ErbB system is selectively regulated during peripheral nerve degeneration and regeneration. <i>European Journal of Neuroscience</i> , 2016, 43, 351-364.	2.6	44
13	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.	1.3	43
14	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, 1014-1021.	4.5	42
15	Future Perspectives in Nerve Repair and Regeneration. <i>International Review of Neurobiology</i> , 2013, 109, 165-192.	2.0	40
16	Irreversible changes occurring in long-term denervated Schwann cells affect delayed nerve repair. <i>Journal of Neurosurgery</i> , 2017, 127, 843-856.	1.6	38
17	SilkBridge [®] : a novel biomimetic and biocompatible silk-based nerve conduit. <i>Biomaterials Science</i> , 2019, 7, 4112-4130.	5.4	36
18	Repairing nerve gaps by vein conduits filled with lipoaspirate-derived entire adipose tissue hinders nerve regeneration. <i>Annals of Anatomy</i> , 2013, 195, 225-230.	1.9	35

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19	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.	1.9	34
20	Gellan Gum-based luminal fillers for peripheral nerve regeneration: an <i>in vivo</i> study in the rat sciatic nerve repair model. <i>Biomaterials Science</i> , 2018, 6, 1059-1075.	5.4	33
21	Generation of New Neurons in Dorsal Root Ganglia in Adult Rats after Peripheral Nerve Crush Injury. <i>Neural Plasticity</i> , 2015, 2015, 1-12.	2.2	31
22	Standardized crush injury of the mouse median nerve. <i>Journal of Neuroscience Methods</i> , 2010, 188, 71-75.	2.5	29
23	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, 224-233.	3.1	29
24	Enhanced axon outgrowth and improved long-distance axon regeneration in sprouty2 deficient mice. <i>Developmental Neurobiology</i> , 2015, 75, 217-231.	3.0	29
25	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.	2.5	28
26	Two factor-based reprogramming of rodent and human fibroblasts into Schwann cells. <i>Nature Communications</i> , 2017, 8, 14088.	12.8	28
27	Chitosan Tubes Enriched with Fresh Skeletal Muscle Fibers for Primary Nerve Repair. <i>BioMed Research International</i> , 2018, 2018, 1-13.	1.9	27
28	Early homing of adult mesenchymal stem cells in normal and infarcted isolated beating hearts. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 507-521.	3.6	25
29	Modulation of the Neuregulin 1/ErbB system after skeletal muscle denervation and reinnervation. <i>Scientific Reports</i> , 2018, 8, 5047.	3.3	24
30	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.	3.7	24
31	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.	4.4	23
32	ErbB2 Receptor Over-Expression Improves Post-Traumatic Peripheral Nerve Regeneration in Adult Mice. <i>PLoS ONE</i> , 2013, 8, e56282.	2.5	23
33	Chitosan tubes enriched with fresh skeletal muscle fibers for delayed repair of peripheral nerve defects. <i>Neural Regeneration Research</i> , 2019, 14, 1079.	3.0	23
34	The reasons for end-to-side coaptation: how does lateral axon sprouting work?. <i>Neural Regeneration Research</i> , 2017, 12, 529.	3.0	22
35	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.	2.5	21
36	Preclinical Validation of SilkBridge™ for Peripheral Nerve Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 835.	4.1	20

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37	The Mouse Median Nerve Experimental Model in Regenerative Research. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	19
38	Preclinical study of peripheral nerve regeneration using nerve guidance conduits based on polyhydroxyalkanoates. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10223.	7.1	16
39	Hippocampal plasticity after a vagus nerve injury in the rat. <i>Neural Regeneration Research</i> , 2012, 7, 1055-63.	3.0	16
40	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.	0.4	15
41	Fibroblasts Colonizing Nerve Conduits Express High Levels of Soluble Neuregulin1, a Factor Promoting Schwann Cell Dedifferentiation. <i>Cells</i> , 2020, 9, 1366.	4.1	13
42	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, 337-345.	0.7	12
43	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, 216-222.	1.3	12
44	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.	2.4	11
45	Soluble Neuregulin1 Down-Regulates Myelination Genes in Schwann Cells. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 157.	2.9	11
46	Dextran-based tube-guides for the regeneration of the rat sciatic nerve after neurotmesis injury. <i>Biomaterials Science</i> , 2020, 8, 798-811.	5.4	11
47	Neuregulin 1 isoforms could be an effective therapeutic candidate to promote peripheral nerve regeneration. <i>Neural Regeneration Research</i> , 2014, 9, 1183.	3.0	11
48	Blood Vessels: The Pathway Used by Schwann Cells to Colonize Nerve Conduits. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2254.	4.1	11
49	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, 1-8.	1.9	8
50	Chrelin. <i>International Review of Neurobiology</i> , 2013, 108, 207-221.	2.0	7
51	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, 901-907.	4.5	7
52	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.	2.5	6
53	Experimental Methods to Simulate and Evaluate Postsurgical Peripheral Nerve Scarring. <i>Journal of Clinical Medicine</i> , 2021, 10, 1613.	2.4	6
54	Chronically denervated distal nerve stump inhibits peripheral nerve regeneration. <i>Neural Regeneration Research</i> , 2017, 12, 739.	3.0	6

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55	The Potential Benefits of Dietary Polyphenols for Peripheral Nerve Regeneration. International Journal of Molecular Sciences, 2022, 23, 5177.	4.1	6
56	New insights on the standardization of peripheral nerve regeneration quantitative analysis. Neural Regeneration Research, 2015, 10, 707.	3.0	5
57	Neurodynamic Treatment Promotes Mechanical Pain Modulation in Sensory Neurons and Nerve Regeneration in Rats. Biomedicines, 2022, 10, 1296.	3.2	3
58	Direct muscle neurotization after end-to end and end-to-side neurorrhaphy: An experimental study in the rat forelimb model. Neural Regeneration Research, 2012, 7, 2273-8.	3.0	2
59	Expression patterns and functional evaluation of RGMa during the early phase of peripheral nerve regeneration using the mouse median nerve model. Restorative Neurology and Neuroscience, 2019, 37, 265-272.	0.7	1
60	Effects of Olfactory Mucosa Stem/Stromal Cell and Olfactory Ensheathing Cells Secretome on Peripheral Nerve Regeneration. Biomolecules, 2022, 12, 818.	4.0	1
61	Peripheral Nerve Reconstruction Using Enriched Chitosan Conduits. , 2017, , .		0
62	Effect of unacylated ghrelin on peripheral nerve regeneration. European Journal of Histochemistry, 2021, 65, .	1.5	0