Esther Udina

List of Publications by Year
in descending order

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46 papers	2,299 citations	185998 28 h-index	243296 44 g-index
46 all docs	46 docs citations	46 times ranked	2807 citing authors

#	Article	IF	Citations
1	Specificity of peripheral nerve regeneration: Interactions at the axon level. Progress in Neurobiology, 2012, 98, 16-37.	2.8	348
2	Electrical stimulation combined with exercise increase axonal regeneration after peripheral nerve injury. Experimental Neurology, 2009, 219, 258-265.	2.0	179
3	Extracellular Matrix Components in Peripheral Nerve Regeneration. International Review of Neurobiology, 2013, 108, 257-275.	0.9	102
4	Immediate electrical stimulation enhances regeneration and reinnervation and modulates spinal plastic changes after sciatic nerve injury and repair. Experimental Neurology, 2008, 211, 180-193.	2.0	99
5	Effects of activity-dependent strategies on regeneration and plasticity after peripheral nerve injuries. Annals of Anatomy, 2011, 193, 347-353.	1.0	89
6	Passive and active exercise improve regeneration and muscle reinnervation after peripheral nerve injury in the rat. Muscle and Nerve, 2011, 43, 500-509.	1.0	86
7	Neurophysiological, histological and immunohistochemical characterization of bortezomib-induced neuropathy in mice. Experimental Neurology, 2010, 223, 599-608.	2.0	85
8	FK506 enhances reinnervation by regeneration and by collateral sprouting of peripheral nerve fibers. Experimental Neurology, 2003, 183, 220-231.	2.0	81
9	Bimodal dose-dependence of FK506 on the rate of axonal regeneration in mouse peripheral nerve. Muscle and Nerve, 2002, 26, 348-355.	1.0	74
10	Chapter 6 Methods and Protocols in Peripheral Nerve Regeneration Experimental Research. International Review of Neurobiology, 2009, 87, 105-126.	0.9	70
11	Effects of FK506 on nerve regeneration and reinnervation after graft or tube repair of long nerve gaps. Muscle and Nerve, 2001, 24, 905-915.	1.0	67
12	FK506 enhances regeneration of axons across long peripheral nerve gaps repaired with collagen guides seeded with allogeneic Schwann cells. Glia, 2004, 47, 120-129.	2.5	64
13	Schwann Cell Role in Selectivity of Nerve Regeneration. Cells, 2020, 9, 2131.	1.8	61
14	Amphetamine Increases Persistent Inward Currents in Human Motoneurons Estimated From Paired Motor-Unit Activity. Journal of Neurophysiology, 2010, 103, 1295-1303.	0.9	59
15	In vitro comparison of motor and sensory neuron outgrowth in a 3D collagen matrix. Journal of Neuroscience Methods, 2011, 198, 53-61.	1.3	54
16	Activation of 5-HT2A Receptors Restores KCC2 Function and Reduces Neuropathic Pain after Spinal Cord Injury. Neuroscience, 2018, 387, 48-57.	1.1	53
17	Comparative dose-dependence study of FK506 on transected mouse sciatic nerve repaired by allograft or xenograft. Journal of the Peripheral Nervous System, 2003, 8, 145-154.	1.4	50
18	Stabilization, Rolling, and Addition of Other Extracellular Matrix Proteins to Collagen Hydrogels Improve Regeneration in Chitosan Guides for Long Peripheral Nerve Gaps in Rats. Neurosurgery, 2017, 80, 465-474.	0.6	49

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19	Schwann cells and mesenchymal stem cells in laminin- or fibronectin-aligned matrices and regeneration across a critical size defect of 15 mm in the rat sciatic nerve. Journal of Neurosurgery: Spine, 2018, 28, 109-118.	0.9	48
20	EEG Biomarkers Related With the Functional State of Stroke Patients. Frontiers in Neuroscience, 2020, 14, 582.	1.4	48
21	Comparison of continuous and discontinuous FK506 administration on autograft or allograft repair of sciatic nerve resection. Muscle and Nerve, 2004, 29, 812-822.	1.0	46
22	Schwann cells transduced with a lentiviral vector encoding Fgfâ€2 promote motor neuron regeneration following sciatic nerve injury. Glia, 2014, 62, 1736-1746.	2.5	46
23	Neurotoxicity induced by antineoplastic proteasome inhibitors. NeuroToxicology, 2014, 43, 28-35.	1.4	43
24	Treatment with anti-TNF alpha protects against the neuropathy induced by the proteasome inhibitor bortezomib in a mouse model. Experimental Neurology, 2014, 253, 165-173.	2.0	39
25	Activity dependent therapies modulate the spinal changes that motoneurons suffer after a peripheral nerve injury. Experimental Neurology, 2015, 263, 293-305.	2.0	37
26	Cisplatin-induced peripheral neuropathy is associated with neuronal senescence-like response. Neuro-Oncology, 2021, 23, 88-99.	0.6	36
27	Toxic Effects of Bortezomib on Primary Sensory Neurons and Schwann Cells of Adult Mice. Neurotoxicity Research, 2015, 27, 430-440.	1.3	31
28	Neuroprotection and Axonal Regeneration After Lumbar Ventral Root Avulsion by Re-implantation and Mesenchymal Stem Cells Transplant Combined Therapy. Neurotherapeutics, 2013, 10, 354-368.	2.1	30
29	Preferential Enhancement of Sensory and Motor Axon Regeneration by Combining Extracellular Matrix Components with Neurotrophic Factors. International Journal of Molecular Sciences, 2017, 18, 65.	1.8	28
30	Inhibition of the neuronal NFÎºB pathway attenuates bortezomib-induced neuropathy in a mouse model. NeuroToxicology, 2016, 55, 58-64.	1.4	22
31	Evaluation of preâ€existing neuropathy and bortezomib retreatment as risk factors to develop severe neuropathy in a mouse model. Journal of the Peripheral Nervous System, 2011, 16, 199-212.	1.4	21
32	Voluntary wheel running preserves lumbar perineuronal nets, enhances motor functions and prevents hyperreflexia after spinal cord injury. Experimental Neurology, 2021, 336, 113533.	2.0	21
33	New insights into peripheral nerve regeneration: The role of secretomes. Experimental Neurology, 2022, 354, 114069.	2.0	21
34	FGF-2 Low Molecular Weight Selectively Promotes Neuritogenesis of Motor Neurons In Vitro. Molecular Neurobiology, 2013, 47, 770-781.	1.9	19
35	Substratum preferences of motor and sensory neurons in postnatal and adult rats. European Journal of Neuroscience, 2016, 43, 431-442.	1.2	19
36	Effects of the immunophilin ligand FK506 on nerve regeneration in collagen guides seeded with Schwann cells in rats. Neuroscience Letters, 2004, 357, 99-102.	1.0	16

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37	Endogenous modulation of TrkB signaling by treadmill exercise after peripheral nerve injury. Neuroscience, 2017, 340, 188-200.	1.1	15
38	Effects of forced, passive, and voluntary exercise on spinal motoneurons changes after peripheral nerve injury. European Journal of Neuroscience, 2017, 46, 2885-2892.	1.2	13
39	<scp>C3</scp> exoenzyme lacks effects on peripheral axon regeneration in vivo. Journal of the Peripheral Nervous System, 2013, 18, 30-36.	1.4	7
40	Editorial: Peripheral Nerve Regeneration. Frontiers in Cellular Neuroscience, 2019, 13, 464.	1.8	5
41	Role of Noradrenergic Inputs From Locus Coeruleus on Changes Induced on Axotomized Motoneurons by Physical Exercise. Frontiers in Cellular Neuroscience, 2019, 13, 65.	1.8	5
42	The Role and Modulation of Spinal Perineuronal Nets in the Healthy and Injured Spinal Cord. Frontiers in Cellular Neuroscience, 2022, 16, .	1.8	5
43	Minocycline Does Not Reduce the Regenerative Capacity of Peripheral Motor and Sensory Neurons after a Conditioning Injury in Mice. Anatomical Record, 2018, 301, 1638-1645.	0.8	3
44	Analysis of axonal growth in organotypic neural cultures. Protocol Exchange, 0, , .	0.3	3
45	â€œOff-the-Shelfâ€•Nerve Matrix Preservation. Biopreservation and Biobanking, 2021, , .	0.5	1
46	Effects of Neurotoxic or Pro-regenerative Agents on Motor and Sensory Neurite Outgrowth in Spinal CordÂOrganotypic Slices and DRG Explants in Culture. Neuromethods, 2021, , 429-441.	0.2	1