Abel Torres-EspÃ-n

List of Publications by Year
in descending order

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44 papers	1,078 citations	361296 20 h-index	454834 30 g-index
51 all docs	51 docs citations	51 times ranked	1549 citing authors

#	Article	IF	Citations
1	Fecal transplant prevents gut dysbiosis and anxiety-like behaviour after spinal cord injury in rats. PLoS ONE, 2020, 15, e0226128.	1.1	77
2	Beneficial effects of IL-37 after spinal cord injury in mice. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1411-1416.	3.3	75
3	Neurite-J: An Image-J plug-in for axonal growth analysis in organotypic cultures. Journal of Neuroscience Methods, 2014, 236, 26-39.	1.3	74
4	Eliciting inflammation enables successful rehabilitative training in chronic spinal cord injury. Brain, 2018, 141, 1946-1962.	3.7	74
5	Adult Stem Cell Transplants for Spinal Cord Injury Repair: Current State in Preclinical Research. Current Stem Cell Research and Therapy, 2011, 6, 273-287.	0.6	62
6	Bone marrow mesenchymal stromal cells and olfactory ensheathing cells transplantation after spinal cord injury â€“ a morphological and functional comparison in rats. European Journal of Neuroscience, 2014, 39, 1704-1717.	1.2	55
7	Gene Expression Changes in the Injured Spinal Cord Following Transplantation of Mesenchymal Stem Cells or Olfactory Ensheathing Cells. PLoS ONE, 2013, 8, e76141.	1.1	42
8	Activity dependent therapies modulate the spinal changes that motoneurons suffer after a peripheral nerve injury. Experimental Neurology, 2015, 263, 293-305.	2.0	37
9	Rehabilitative Training in Animal Models of Spinal Cord Injury. Journal of Neurotrauma, 2018, 35, 1970-1985.	1.7	36
10	Cisplatin-induced peripheral neuropathy is associated with neuronal senescence-like response. Neuro-Oncology, 2021, 23, 88-99.	0.6	36
11	Following Spinal Cord Injury Transected Reticulospinal Tract Axons Develop New Collateral Inputs to Spinal Interneurons in Parallel with Locomotor Recovery. Neural Plasticity, 2017, 2017, 1-15.	1.0	33
12	Immunosuppression of Allogenic Mesenchymal Stem Cells Transplantation after Spinal Cord Injury Improves Graft Survival and Beneficial Outcomes. Journal of Neurotrauma, 2015, 32, 367-380.	1.7	32
13	Diagnostic blood RNA profiles for human acute spinal cord injury. Journal of Experimental Medicine, 2021, 218, .	4.2	31
14	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
15	Effects of the Post-Spinal Cord Injury Microenvironment on the Differentiation Capacity of Human Neural Stem Cells Derived from Induced Pluripotent Stem Cells. Cell Transplantation, 2016, 25, 1833-1852.	1.2	30
16	Increased migration of olfactory ensheathing cells secreting the Nogo receptor ectodomain over inhibitory substrates and lesioned spinal cord. Cellular and Molecular Life Sciences, 2015, 72, 2719-2737.	2.4	29
17	Beyond the lesion site: minocycline augments inflammation and anxiety-like behavior following SCI in rats through action on the gut microbiota. Journal of Neuroinflammation, 2021, 18, 144.	3.1	28
18	FAIR SCI Ahead: The Evolution of the Open Data Commons for Pre-Clinical Spinal Cord Injury Research. Journal of Neurotrauma, 2020, 37, 831-838.	1.7	27

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19	Chondroitin sulfate proteoglycans prevent immune cell phenotypic conversion and inflammation resolution via TLR4 in rodent models of spinal cord injury. Nature Communications, 2022, 13, .	5.8	27
20	Quantitative assessment of locomotion and interlimb coordination in rats after different spinal cord injuries. Journal of Neuroscience Methods, 2013, 213, 165-178.	1.3	24
21	Single pellet grasping following cervical spinal cord injury in adult rat using an automated full-time training robot. Behavioural Brain Research, 2016, 299, 59-71.	1.2	22
22	A motorized pellet dispenser to deliver high intensity training of the single pellet reaching and grasping task in rats. Behavioural Brain Research, 2018, 336, 67-76.	1.2	22
23	Reproducible analysis of disease space via principal components using the novel R package syndRomics. ELife, 2021, 10, .	2.8	22
24	Single-session cortical electrical stimulation enhances the efficacy of rehabilitative motor training after spinal cord injury in rats. Experimental Neurology, 2020, 324, 113136.	2.0	21
25	Self-directed rehabilitation training intensity thresholds for efficient recovery of skilled forelimb function in rats with cervical spinal cord injury. Experimental Neurology, 2021, 339, 113543.	2.0	21
26	Topological network analysis of patient similarity for precision management of acute blood pressure in spinal cord injury. ELife, 2021, 10, .	2.8	15
27	Transforming Research and Clinical Knowledge in Spinal Cord Injury (TRACK-SCI): an overview of initial enrollment and demographics. Neurosurgical Focus, 2020, 48, E6.	1.0	12
28	Excavating FAIR Data: the Case of the Multicenter Animal Spinal Cord Injury Study (MASCIS), Blood Pressure, and Neuro-Recovery. Neuroinformatics, 2022, 20, 39-52.	1.5	10
29	Promoting FAIR Data Through Community-driven Agile Design: the Open Data Commons for Spinal Cord Injury (odc-sci.org). Neuroinformatics, 2022, 20, 203-219.	1.5	10
30	Empowering Data Sharing and Analytics through the Open Data Commons for Traumatic Brain Injury Research. Neurotrauma Reports, 2022, 3, 139-157.	0.5	9
31	Expert-augmented automated machine learning optimizes hemodynamic predictors of spinal cord injury outcome. PLoS ONE, 2022, 17, e0265254.	1.1	9
32	Automation of training and testing motor and related tasks in pre-clinical behavioural and rehabilitative neuroscience. Experimental Neurology, 2021, 340, 113647.	2.0	8
33	Functional involvement of the lumbar spinal cord after contusion to T8 spinal segment of the rat. Restorative Neurology and Neuroscience, 2010, 28, 781-792.	0.4	6
34	Injury volume extracted from MRI predicts neurologic outcome in acute spinal cord injury: A prospective TRACK-SCI pilot study. Journal of Clinical Neuroscience, 2020, 82, 231-236.	0.8	6
35	Cyclosporine-immunosuppression does not affect survival of transplanted skin-derived precursor Schwann cells in the injured rat spinal cord. Neuroscience Letters, 2017, 658, 67-72.	1.0	4
36	FAIR Data Reuse in Traumatic Brain Injury: Exploring Inflammation and Age as Moderators of Recovery in the TRACK-TBI Pilot. Frontiers in Neurology, 2021, 12, 768735.	1.1	4

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37	Analysis of axonal growth in organotypic neural cultures. Protocol Exchange, 0, , .	0.3	3
38	Dithiocarb (<scp>N</scp>,<scp>N</scp>â€diethyldithiocarbamate, <scp>DEDTC</scp>) decreases levels of biogenic monoamines in the adult mouse brain. Neuropathology and Applied Neurobiology, 2014, 40, 747-758.	1.8	2
39	Mixture Model Framework for Traumatic Brain Injury Prognosis Using Heterogeneous Clinical and Outcome Data. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1285-1296.	3.9	2
40	Decision treeâ€“based machine learning analysis of intraoperative vasopressor use to optimize neurological improvement in acute spinal cord injury. Neurosurgical Focus, 2022, 52, E9.	1.0	2
41	Using hierarchical unsupervised learning to integrate and reduce multi-level and multi-paraspinal muscle MRI data in relation to low back pain. European Spine Journal, 2022, 31, 2046-2056.	1.0	1
42	Unsupervised Machine Learning on Motion Capture Data Uncovers Movement Strategies in Low Back Pain. Frontiers in Bioengineering and Biotechnology, 2022, 10, 868684.	2.0	1
43	Appendicular Fracture and Polytrauma Correlate with Outcome of Spinal Cord Injury: A Transforming Research and Clinical Knowledge in Spinal Cord Injury Study. Journal of Neurotrauma, 2022, , .	1.7	0
44	Quantifying the kinematic features of dexterous finger movements in nonhuman primates with markerless tracking. , 2021, 2021, 6110-6115.		0