Francisco Javier Rodriguez

List of Publications by Year
in descending order

38 papers	1,794 citations	361045 20 h-index	329751 37 g-index
38 all docs	38 docs citations	38 times ranked	2472 citing authors

#	Article	IF	Citations
1	Differential regulation of midbrain dopaminergic neuron development by Wnt-1, Wnt-3a, and Wnt-5a. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12747-12752.	3.3	329
2	Ensheathing glia transplants promote dorsal root regeneration and spinal reflex restitution after multiple lumbar rhizotomy. Annals of Neurology, 1999, 45, 207-215.	2.8	121
3	Nurr1-RXR heterodimers mediate RXR ligand-induced signaling in neuronal cells. Genes and Development, 2003, 17, 3036-3047.	2.7	111
4	Nestin- and Doublecortin-Positive Cells Reside in Adult Spinal Cord Meninges and Participate in Injury-Induced Parenchymal Reaction. Stem Cells, 2011, 29, 2062-2076.	1.4	102
5	Alignment of collagen and laminin-containing gels improve nerve regeneration within silicone tubes. Restorative Neurology and Neuroscience, 2002, 20, 169-79.	0.4	89
6	Olfactory bulb ensheathing cells enhance peripheral nerve regeneration. NeuroReport, 1999, 10, 1097-1101.	0.6	85
7	Differential Expression of Wnts after Spinal Cord Contusion Injury in Adult Rats. PLoS ONE, 2011, 6, e27000.	1.1	80
8	Physiological and immunohistochemical characterization of cisplatin-induced neuropathy in mice. , 1999, 22, 329-340.		79
9	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
10	Targeting endothelin receptor signalling overcomes heterogeneity driven therapy failure. EMBO Molecular Medicine, 2017, 9, 1011-1029.	3.3	63
11	Acute Leptin Treatment Enhances Functional Recovery after Spinal Cord Injury. PLoS ONE, 2012, 7, e35594.	1.1	63
12	Persephin-Overexpressing Neural Stem Cells Regulate the Function of Nigral Dopaminergic Neurons and Prevent Their Degeneration in a Model of Parkinson's Disease. Molecular and Cellular Neurosciences, 2002, 21, 205-222.	1.0	59
13	Regeneration and functional recovery following peripheral nerve injury. Drug Discovery Today: Disease Models, 2004, 1, 177-185.	1.2	59
14	Wnts Are Expressed in the Spinal Cord of Adult Mice and Are Differentially Induced after Injury. Journal of Neurotrauma, 2014, 31, 565-581.	1.7	59
15	Crucial role of TrkB ligands in the survival and phenotypic differentiation of developing locus coeruleus noradrenergic neurons. Development (Cambridge), 2003, 130, 3535-3545.	1.2	42
16	Effects of motor and sensory nerve transplants on amount and specificity of sciatic nerve regeneration. Journal of Neuroscience Research, 2007, 85, 2800-2812.	1.3	36
17	Emphysema as a Result of Involuntary Exposure to Tobacco Smoke: Morphometrical Study of the Rat. Experimental Lung Research, 1995, 21, 255-273.	0.5	35
18	Engineering an artificial nerve graft for the repair of severe nerve injuries. Medical and Biological Engineering and Computing, 2003, 41, 220-226.	1.6	31

#	Article	IF	Citations
19	Synthetic bioresorbable poly-Î±-hydroxyesters as peripheral nerve guidance conduits; a review of material properties, design strategies and their efficacy to date. Biomaterials Science, 2019, 7, 4912-4943.	2.6	31
20	Wnt Signaling Alterations in the Human Spinal Cord of Amyotrophic Lateral Sclerosis Cases: Spotlight on Fz2 and Wnt5a. Molecular Neurobiology, 2019, 56, 6777-6791.	1.9	26
21	Spatio-Temporal Expression Pattern of Frizzled Receptors after Contusive Spinal Cord Injury in Adult Rats. PLoS ONE, 2012, 7, e50793.	1.1	22
22	New insights into Wnt signaling alterations in amyotrophic lateral sclerosis: a potential therapeutic target?. Neural Regeneration Research, 2020, 15, 1580.	1.6	21
23	The Ryk Receptor Is Expressed in Glial and Fibronectin-Expressing Cells after Spinal Cord Injury. Journal of Neurotrauma, 2013, 30, 806-817.	1.7	18
24	UV-Casting on Methacrylated PCL for the Production of a Peripheral Nerve Implant Containing an Array of Porous Aligned Microchannels. Polymers, 2020, 12, 971.	2.0	18
25	Improvement of regeneration with predegenerated nerve transplants in silicone chambers. Restorative Neurology and Neuroscience, 1999, 14, 65-79.	0.4	17
26	BMPs, FGF8 and Wnts regulate the differentiation of locus coeruleus noradrenergic neuronal precursors. Journal of Neurochemistry, 2006, 99, 343-352.	2.1	15
27	Analysis of the expression of the Wnt family of proteins and its modulatory role on cytokine expression in non activated and activated astroglial cells. Neuroscience Research, 2017, 114, 16-29.	1.0	14
28	Wnt Signaling Alteration in the Spinal Cord of Amyotrophic Lateral Sclerosis Transgenic Mice: Special Focus on Frizzled-5 Cellular Expression Pattern. PLoS ONE, 2016, 11, e0155867.	1.1	13
29	Wnts Are Expressed in the Ependymal Region of the Adult Spinal Cord. Molecular Neurobiology, 2017, 54, 6342-6355.	1.9	13
30	High Yield of Adult Oligodendrocyte Lineage Cells Obtained from Meningeal Biopsy. Frontiers in Pharmacology, 2017, 8, 703.	1.6	12
31	Artificial nerve graft for the repair of peripheral nerve injuries. Neurological Sciences, 2001, 22, S7-S13.	0.9	11
32	Influence of the Cation Adducts in the Analysis of Matrix-Assisted Laser Desorption Ionization Imaging Mass Spectrometry Data from Injury Models of Rat Spinal Cord. Analytical Chemistry, 2017, 89, 8565-8573.	3.2	11
33	Bioresorbable and Mechanically Optimized Nerve Guidance Conduit Based on a Naturally Derived Medium Chain Length Polyhydroxyalkanoate and Poly(Îµ-Caprolactone) Blend. ACS Biomaterials Science and Engineering, 2021, 7, 672-689.	2.6	11
34	Frizzled 1 and Wnt1 as new potential therapeutic targets in the traumatically injured spinal cord. Cellular and Molecular Life Sciences, 2020, 77, 4631-4662.	2.4	9
35	Characterization of Ex Vivo and In Vitro Wnt Transcriptome Induced by Spinal Cord Injury in Rat Microglial Cells. Brain Sciences, 2022, 12, 708.	1.1	8
36	Efficacy of human HC016 cell transplants on neuroprotection and functional recovery in a rat model of acute spinal cord injury. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 319-333.	1.3	6

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37	Spatio-temporal and Cellular Expression Patterns of PTK7 in the Healthy and Traumatically Injured Rat and Human Spinal Cord. Cellular and Molecular Neurobiology, 2020, 40, 1087-1103.	1.7	6
38	Effects of Wnt5a overexpression in spinal cord injury. Journal of Cellular and Molecular Medicine, 2021, 25, 5150-5163.	1.6	5