

Rosario Snchez Pernaute

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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.

64 papers	5,312 citations	28 h-index	70 g-index
70 ext. papers	5,755 ext. citations	6.7 avg, IF	4.83 L-index

#	Paper	IF	Citations
64	Dopamine neurons derived from embryonic stem cells function in an animal model of Parkinson's disease. <i>Nature</i> , 2002 , 418, 50-6	50.4	1325
63	Embryonic stem cells develop into functional dopaminergic neurons after transplantation in a Parkinson rat model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 2344-9	11.5	1000
62	Cell type analysis of functional fetal dopamine cell suspension transplants in the striatum and substantia nigra of patients with Parkinson's disease. <i>Brain</i> , 2005 , 128, 1498-510	11.2	352
61	Markers and methods for cell sorting of human embryonic stem cell-derived neural cell populations. <i>Stem Cells</i> , 2007 , 25, 2257-68	5.8	263
60	Long-term clinical improvement in MPTP-lesioned primates after gene therapy with AAV-hAADC. <i>Molecular Therapy</i> , 2006 , 14, 564-70	11.7	228
59	Enhanced yield of neuroepithelial precursors and midbrain-like dopaminergic neurons from human embryonic stem cells using the bone morphogenetic protein antagonist noggin. <i>Stem Cells</i> , 2007 , 25, 411-8	5.8	214
58	Selective COX-2 inhibition prevents progressive dopamine neuron degeneration in a rat model of Parkinson's disease. <i>Journal of Neuroinflammation</i> , 2004 , 1, 6	10.1	148
57	Heparin coinfusion during convection-enhanced delivery (CED) increases the distribution of the glial-derived neurotrophic factor (GDNF) ligand family in rat striatum and enhances the pharmacological activity of neurturin. <i>Experimental Neurology</i> , 2001 , 168, 155-61	5.7	127
56	The LRRK2 G2019S mutant exacerbates basal autophagy through activation of the MEK/ERK pathway. <i>Cellular and Molecular Life Sciences</i> , 2013 , 70, 121-36	10.3	124
55	Convection-enhanced delivery of AAV-2 combined with heparin increases TK gene transfer in the rat brain. <i>NeuroReport</i> , 2001 , 12, 1961-4	1.7	115
54	Long-term survival of dopamine neurons derived from parthenogenetic primate embryonic stem cells (cyno-1) after transplantation. <i>Stem Cells</i> , 2005 , 23, 914-22	5.8	110
53	In vitro generation and transplantation of precursor-derived human dopamine neurons. <i>Journal of Neuroscience Research</i> , 2001 , 65, 284-8	4.4	102
52	Clinical correlation of striatal 1H MRS changes in Huntington's disease. <i>Neurology</i> , 1999 , 53, 806-12	6.5	100
51	Functional effect of adeno-associated virus mediated gene transfer of aromatic L-amino acid decarboxylase into the striatum of 6-OHDA-lesioned rats. <i>Molecular Therapy</i> , 2001 , 4, 324-30	11.7	83
50	Mapping dopamine function in primates using pharmacologic magnetic resonance imaging. <i>Journal of Neuroscience</i> , 2004 , 24, 9553-60	6.6	81
49	Bradykinesia in early Huntington's disease. <i>Neurology</i> , 2000 , 54, 119-25	6.5	68
48	Parthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's disease. <i>Brain</i> , 2008 , 131, 2127-39	11.2	63

47	Benzodiazepine receptor binding in Huntington's disease: [¹¹ C]Flumazenil uptake measured using positron emission tomography. <i>Annals of Neurology</i> , 2000 , 47, 644-648	9.4	56
46	Nociceptin/orphanin FQ receptor blockade attenuates MPTP-induced parkinsonism. <i>Neurobiology of Disease</i> , 2008 , 30, 430-438	7.5	50
45	Mapping of brain function after MPTP-induced neurotoxicity in a primate Parkinson's disease model. <i>NeuroImage</i> , 2003 , 20, 1064-75	7.9	50
44	Transplanted dopamine neurons derived from primate ES cells preferentially innervate DARPP-32 striatal progenitors within the graft. <i>European Journal of Neuroscience</i> , 2006 , 24, 1885-96	3.5	44
43	Mutations in LRRK2 impair NF- κ B pathway in iPSC-derived neurons. <i>Journal of Neuroinflammation</i> , 2016 , 13, 295	10.1	42
42	Severity of cognitive impairment in juvenile and late-onset Huntington disease. <i>Archives of Neurology</i> , 1998 , 55, 835-43		41
41	Leucine-rich repeat kinase 2 modulates cyclooxygenase 2 and the inflammatory response in idiopathic and genetic Parkinson's disease. <i>Neurobiology of Aging</i> , 2014 , 35, 1116-24	5.6	32
40	Fast and efficient neural conversion of human hematopoietic cells. <i>Stem Cell Reports</i> , 2014 , 3, 1118-31	8	31
39	In vivo evidence of D3 dopamine receptor sensitization in parkinsonian primates and rodents with L-DOPA-induced dyskinesias. <i>Neurobiology of Disease</i> , 2007 , 27, 220-7	7.5	31
38	Parkinson's disease: interpretations of transplantation study are erroneous. <i>Nature Neuroscience</i> , 2001 , 4, 553	25.5	29
37	Mitochondrial respiratory chain disorganization in Parkinson's disease-relevant PINK1 and DJ1 mutants. <i>Neurochemistry International</i> , 2017 , 109, 101-105	4.4	28
36	The role of the subthalamic nucleus in L-DOPA induced dyskinesia in 6-hydroxydopamine lesioned rats. <i>PLoS ONE</i> , 2012 , 7, e42652	3.7	28
35	Mesenchymal stromal cells for the prophylaxis and treatment of graft-versus-host disease-a meta-analysis. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 64	8.3	26
34	Progressive and extensive dopaminergic degeneration induced by convection-enhanced delivery of 6-hydroxydopamine into the rat striatum: a novel rodent model of Parkinson disease. <i>Journal of Neurosurgery</i> , 2003 , 98, 136-44	3.2	26
33	Advances in stem cell therapy for amyotrophic lateral sclerosis. <i>Expert Opinion on Biological Therapy</i> , 2018 , 18, 865-881	5.4	25
32	Successful development and clinical translation of a novel anterior lamellar artificial cornea. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 2142-2154	4.4	22
31	The MAPK1/3 pathway is essential for the deregulation of autophagy observed in G2019S LRRK2 mutant fibroblasts. <i>Autophagy</i> , 2012 , 8, 1537-9	10.2	21
30	LRRK2 Expression Is Deregulated in Fibroblasts and Neurons from Parkinson Patients with Mutations in PINK1. <i>Molecular Neurobiology</i> , 2018 , 55, 506-516	6.2	20

29	Preclinical models of Parkinson's disease. <i>Current Protocols in Neuroscience</i> , 2001 , Chapter 9, Unit 9.4	2.7	20
28	Buspirone anti-dyskinetic effect is correlated with temporal normalization of dysregulated striatal DRD1 signalling in L-DOPA-treated rats. <i>Neuropharmacology</i> , 2014 , 79, 726-37	5.5	19
27	Intramedullary tuberculoma of the spinal cord with syringomyelia. <i>Neuroradiology</i> , 1996 , 38 Suppl 1, S105-6	3.2	19
26	iPS Cell Cultures from a Gerstmann-Strüssler-Scheinker Patient with the Y218N PRNP Mutation Recapitulate tau Pathology. <i>Molecular Neurobiology</i> , 2018 , 55, 3033-3048	6.2	18
25	Regulation of corticostriatal synaptic plasticity by G protein-coupled receptors. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010 , 9, 601-15	2.6	16
24	Insights into Parkinson's disease models and neurotoxicity using non-invasive imaging. <i>Toxicology and Applied Pharmacology</i> , 2005 , 207, 251-6	4.6	12
23	Effects of fibroblast growth factor and glial-derived neurotrophic factor on akinesia, F-DOPA uptake and dopamine cells in parkinsonian primates. <i>Parkinsonism and Related Disorders</i> , 2002 , 8, 311-23	3.6	12
22	Small fiber neuropathy and phosphorylated alpha-synuclein in the skin of E46K-SNCA mutation carriers. <i>Parkinsonism and Related Disorders</i> , 2019 , 65, 139-145	3.6	11
21	Selection Based on FOXA2 Expression Is Not Sufficient to Enrich for Dopamine Neurons From Human Pluripotent Stem Cells. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1032-42	6.9	11
20	Cellular programming and reprogramming: sculpting cell fate for the production of dopamine neurons for cell therapy. <i>Stem Cells International</i> , 2012 , 2012, 412040	5	9
19	Long-term intracerebral infusion of fibroblast growth factors restores motility and enhances F-DOPA uptake in parkinsonian monkeys. <i>Parkinsonism and Related Disorders</i> , 1998 , 4, 147-58	3.6	9
18	Subretinal Transplant of Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium on Nanostructured Fibrin-Agarose. <i>Tissue Engineering - Part A</i> , 2019 , 25, 799-808	3.9	8
17	Paraneoplastic myotonia. <i>Muscle and Nerve</i> , 1994 , 17, 694-5	3.4	7
16	Sox-2 Positive Neural Progenitors in the Primate Striatum Undergo Dynamic Changes after Dopamine Denervation. <i>PLoS ONE</i> , 2013 , 8, e66377	3.7	6
15	Looking backward to move forward: a meta-analysis of stem cell therapy in amyotrophic lateral sclerosis. <i>Npj Regenerative Medicine</i> , 2021 , 6, 20	15.8	6
14	Retrieval of germinal zone neural stem cells from the cerebrospinal fluid of premature infants with intraventricular hemorrhage. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 1085-1101	6.9	5
13	Preclinical models of Parkinson's disease. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2004 , Chapter 1, Unit 1.8	1	4
12	Chimeras for the twenty-first century. <i>Critical Reviews in Biotechnology</i> , 2020 , 40, 283-291	9.4	3

11	Sustained increase of PKA activity in the postcommissural putamen of dyskinetic monkeys. <i>Molecular Neurobiology</i> , 2014 , 50, 1131-41	6.2	3
10	Absence of F-waves as an early electrodiagnostic finding in infarction of the conus medullaris. <i>Muscle and Nerve</i> , 1995 , 18, 552-4	3.4	3
9	Modeling chronic cervical spinal cord injury in aged rats for cell therapy studies. <i>Journal of Clinical Neuroscience</i> , 2021 , 94, 76-85	2.2	2
8	Human Neural Stem Cells for Cell-Based Medicinal Products. <i>Cells</i> , 2021 , 10,	7.9	2
7	Hyperspectral image processing for the identification and quantification of lentiviral particles in fluid samples. <i>Scientific Reports</i> , 2021 , 11, 16201	4.9	1
6	Fast and Efficient Neural Conversion of Human Hematopoietic Cells. <i>Current Protocols in Stem Cell Biology</i> , 2016 , 39, 1F.15.1-1F.15.20	2.8	0
5	Characterization of molecular biomarkers in cerebrospinal fluid and serum of E46K-SNCA mutation carriers.. <i>Parkinsonism and Related Disorders</i> , 2022 , 96, 29-35	3.6	0
4	Optical imaging spectroscopy for rapid, primary screening of SARS-CoV-2: a proof of concept.. <i>Scientific Reports</i> , 2022 , 12, 2356	4.9	0
3	Necessary methodological and stem cell advances for restoration of the dopaminergic system in Parkinson's disease patients 2005 , 363-380		
2	Grafting genetically engineered cells into the striatum of nonhuman primates. <i>Methods in Molecular Medicine</i> , 2001 , 62, 269-78		
1	Intramedullary tuberculoma of the spinal cord with syringomyelia. <i>Neuroradiology</i> , 1996 , 38, S105	3.2	