

# Rosario SÃ¡nchez Pernaute

## List of Publications by Year in descending order

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70  
papers

6,159  
citations

159585  
30  
h-index

118850  
62  
g-index

71  
all docs

71  
docs citations

71  
times ranked

6093  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopamine neurons derived from embryonic stem cells function in an animal model of Parkinson's disease. <i>Nature</i> , 2002, 418, 50-56.	27.8	1,527
2	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, 2344-2349.	7.1	1,126
3	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, 1498-1510.	7.6	406
4	Markers and Methods for Cell Sorting of Human Embryonic Stem Cell-Derived Neural Cell Populations. <i>Stem Cells</i> , 2007, 25, 2257-2268.	3.2	286
5	Long-Term Clinical Improvement in MPTP-Lesioned Primates after Gene Therapy with AAV-hAADC. <i>Molecular Therapy</i> , 2006, 14, 564-570.	8.2	249
6	Enhanced Yield of Neuroepithelial Precursors and Midbrain-Like Dopaminergic Neurons from Human Embryonic Stem Cells Using the Bone Morphogenic Protein Antagonist Noggin. <i>Stem Cells</i> , 2007, 25, 411-418.	3.2	230
7	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.	7.2	178
8	The LRRK2 G2019S mutant exacerbates basal autophagy through activation of the MEK/ERK pathway. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 121-136.	5.4	148
9	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, 155-161.	4.1	135
10	Convection-enhanced delivery of AAV-2 combined with heparin increases TK gene transfer in the rat brain. <i>NeuroReport</i> , 2001, 12, 1961-1964.	1.2	123
11	Long-Term Survival of Dopamine Neurons Derived from Parthenogenetic Primate Embryonic Stem Cells (Cyno-1) After Transplantation. <i>Stem Cells</i> , 2005, 23, 914-922.	3.2	122
12	In vitro generation and transplantation of precursor-derived human dopamine neurons. <i>Journal of Neuroscience Research</i> , 2001, 65, 284-288.	2.9	121
13	Clinical correlation of striatal 1H MRS changes in Huntington's disease. <i>Neurology</i> , 1999, 53, 806-806.	1.1	116
14	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, 324-330.	8.2	95
15	Mapping Dopamine Function in Primates Using Pharmacologic Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2004, 24, 9553-9560.	3.6	88
16	Bradykinesia in early Huntington's disease. <i>Neurology</i> , 2000, 54, 119-119.	1.1	85
17	Parthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's disease. <i>Brain</i> , 2008, 131, 2127-2139.	7.6	78
18	Benzodiazepine receptor binding in Huntington's disease: [11C]Flumazenil uptake measured using positron emission tomography. <i>Annals of Neurology</i> , 2000, 47, 644-648.	5.3	62

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19	Nociceptin/orphanin FQ receptor blockade attenuates MPTP-induced parkinsonism. <i>Neurobiology of Disease</i> , 2008, 30, 430-438.	4.4	55
20	Severity of Cognitive Impairment in Juvenile and Late-Onset Huntington Disease. <i>Archives of Neurology</i> , 1998, 55, 835.	4.5	52
21	Mapping of brain function after MPTP-induced neurotoxicity in a primate Parkinson's disease model. <i>NeuroImage</i> , 2003, 20, 1064-1075.	4.2	52
22	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, 1885-1896.	2.6	46
23	Mutations in LRRK2 impair NF- $\kappa$ B pathway in iPSC-derived neurons. <i>Journal of Neuroinflammation</i> , 2016, 13, 295.	7.2	46
24	Mitochondrial respiratory chain disorganization in Parkinson's disease-relevant PINK1 and DJ1 mutants. <i>Neurochemistry International</i> , 2017, 109, 101-105.	3.8	43
25	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.	2.7	42
26	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.	5.5	41
27	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, 1116-1124.	3.1	34
28	Parkinson's disease: interpretations of transplantation study are erroneous. <i>Nature Neuroscience</i> , 2001, 4, 553-553.	14.8	33
29	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, 220-227.	4.4	33
30	Fast and Efficient Neural Conversion of Human Hematopoietic Cells. <i>Stem Cell Reports</i> , 2014, 3, 1118-1131.	4.8	33
31	The Role of the Subthalamic Nucleus in L-DOPA Induced Dyskinesia in 6-Hydroxydopamine Lesioned Rats. <i>PLoS ONE</i> , 2012, 7, e42652.	2.5	31
32	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, 136-144.	1.6	30
33	Advances in stem cell therapy for amyotrophic lateral sclerosis. <i>Expert Opinion on Biological Therapy</i> , 2018, 18, 865-881.	3.1	30
34	LRRK2 Expression Is Deregulated in Fibroblasts and Neurons from Parkinson Patients with Mutations in PINK1. <i>Molecular Neurobiology</i> , 2018, 55, 506-516.	4.0	27
35	iPS Cell Cultures from a Gerstmann-Sträussler-Scheinker Patient with the Y218N PRNP Mutation Recapitulate tau Pathology. <i>Molecular Neurobiology</i> , 2018, 55, 3033-3048.	4.0	27
36	Preclinical Models of Parkinson's Disease. <i>Current Protocols in Neuroscience</i> , 1999, 9, Unit9.4.	2.6	26

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37	Buspirone anti-dyskinetic effect is correlated with temporal normalization of dysregulated striatal DRD1 signalling in L-DOPA-treated rats. <i>Neuropharmacology</i> , 2014, 79, 726-737.	4.1	24
38	Intramedullary tuberculoma of the spinal cord with syringomyelia. <i>Neuroradiology</i> , 1996, 38, S105-S106.	2.2	23
39	The MAPK1/3 pathway is essential for the deregulation of autophagy observed in G2019S LRRK2 mutant fibroblasts. <i>Autophagy</i> , 2012, 8, 1537-1539.	9.1	23
40	Looking backward to move forward: a meta-analysis of stem cell therapy in amyotrophic lateral sclerosis. <i>Npj Regenerative Medicine</i> , 2021, 6, 20.	5.2	19
41	Regulation of Corticostriatal Synaptic Plasticity by G Protein-Coupled Receptors. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010, 9, 601-615.	1.4	19
42	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.	2.2	17
43	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.	3.1	15
44	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, 311-323.	2.2	14
45	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.	3.3	14
46	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, 1032-1042.	3.3	13
47	Human Neural Stem Cells for Cell-Based Medicinal Products. <i>Cells</i> , 2021, 10, 2377.	4.1	13
48	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, 147-158.	2.2	12
49	Insights into Parkinson's disease models and neurotoxicity using non-invasive imaging. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 251-256.	2.8	12
50	Chimeras for the twenty-first century. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 283-291.	9.0	12
51	Cellular Programming and Reprogramming: Sculpting Cell Fate for the Production of Dopamine Neurons for Cell Therapy. <i>Stem Cells International</i> , 2012, 2012, 1-17.	2.5	11
52	Mesenchymal Stromal Cells for Treating Steroid-Resistant Acute and Chronic Graft Versus Host Disease: A Multicenter Compassionate Use Experience. <i>Stem Cells Translational Medicine</i> , 2022, 11, 343-355.	3.3	10
53	Modeling chronic cervical spinal cord injury in aged rats for cell therapy studies. <i>Journal of Clinical Neuroscience</i> , 2021, 94, 76-85.	1.5	8
54	Paraneoplastic myotonia. <i>Muscle and Nerve</i> , 1994, 17, 694-695.	2.2	7

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55	Sox-2 Positive Neural Progenitors in the Primate Striatum Undergo Dynamic Changes after Dopamine Denervation. PLoS ONE, 2013, 8, e66377.	2.5	6
56	Hyperspectral image processing for the identification and quantification of lentiviral particles in fluid samples. Scientific Reports, 2021, 11, 16201.	3.3	6
57	Optical imaging spectroscopy for rapid, primary screening of SARS-CoV-2: a proof of concept. Scientific Reports, 2022, 12, 2356.	3.3	6
58	Absence of F-waves as an early electrodiagnostic finding in infarction of the conus medullaris. Muscle and Nerve, 1995, 18, 552-554.	2.2	5
59	Preclinical Models of Parkinson's Disease. , 2004, Chapter 1, Unit1.8.		5
60	Sustained Increase of PKA Activity in the Postcommissural Putamen of Dyskinetic Monkeys. Molecular Neurobiology, 2014, 50, 1131-1141.	4.0	3
61	Compliance in Non-Clinical Development of Cell-, Gene-, and Tissue-Based Medicines: Good Practice for Better Therapies. Stem Cells Translational Medicine, 2022, 11, 805-813.	3.3	3
62	Characterization of molecular biomarkers in cerebrospinal fluid and serum of E46K-SNCA mutation carriers. Parkinsonism and Related Disorders, 2022, 96, 29-35.	2.2	2
63	Fast and Efficient Neural Conversion of Human Hematopoietic Cells. Current Protocols in Stem Cell Biology, 2016, 39, 1F.15.1-1F.15.20.	3.0	1
64	Grafting Genetically Engineered Cells into the Striatum of Nonhuman Primates. , 2001, 62, 269-278.		0
65	Necessary methodological and stem cell advances for restoration of the dopaminergic system in Parkinson's disease patients. , 2005, , 363-380.		0
66	Transplantation of Human Expanded Progenitors From Midbrain and Neocortex Into a Rat Model of Parkinson Disease. Archives of Neurology, 2000, 57, 1239-a-1239.	4.5	0
67	Therapeutic Exploration of Metabotropic Glutamate Receptor Antagonists in Parkinson's Disease by Positron Emission Tomography. US Neurology, 2010, 05, 21.	0.2	0
68	Histopathological and Clinical Criteria for Analyzing Transplanted Human Dopamine Cells in Parkinson's Disease. , 2006, , 166-183.		0
69	Intramedullary tuberculoma of the spinal cord with syringomyelia. Neuroradiology, 1996, 38, S105.	2.2	0
70	Benzodiazepine receptor binding in Huntington's disease: [11C]Flumazenil uptake measured using positron emission tomography. Annals of Neurology, 2000, 47, 644-648.	5.3	0