Rosario Snchez Pernaute

List of Publications by Year in Descending Order

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	Characterization of molecular biomarkers in cerebrospinal fluid and serum of E46K-SNCA mutation carriers.. *Parkinsonism and Related Disorders*, **2022**, 96, 29-35	3.6	0
63	Optical imaging spectroscopy for rapid, primary screening of SARS-CoV-2: a proof of concept.. *Scientific Reports*, **2022**, 12, 2356	4.9	0
62	Modeling chronic cervical spinal cord injury in aged rats for cell therapy studies. *Journal of Clinical Neuroscience*, **2021**, 94, 76-85	2.2	2
61	Looking backward to move forward: a meta-analysis of stem cell therapy in amyotrophic lateral sclerosis. *Npj Regenerative Medicine*, **2021**, 6, 20	15.8	6
60	Hyperspectral image processing for the identification and quantification of lentiviral particles in fluid samples. *Scientific Reports*, **2021**, 11, 16201	4.9	1
59	Human Neural Stem Cells for Cell-Based Medicinal Products. *Cells*, **2021**, 10,	7.9	2
58	Retrieval of germinal zone neural stem cells from the cerebrospinal fluid of premature infants with intraventricular hemorrhage. *Stem Cells Translational Medicine*, **2020**, 9, 1085-1101	6.9	5
57	Chimeras for the twenty-first century. *Critical Reviews in Biotechnology*, **2020**, 40, 283-291	9.4	3
56	Mesenchymal stromal cells for the prophylaxis and treatment of graft-versus-host disease-a meta-analysis. *Stem Cell Research and Therapy*, **2020**, 11, 64	8.3	26
55	Small fiber neuropathy and phosphorylated alpha-synuclein in the skin of E46K-SNCA mutation carriers. *Parkinsonism and Related Disorders*, **2019**, 65, 139-145	3.6	11
54	Subretinal Transplant of Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium on Nanostructured Fibrin-Agarose. *Tissue Engineering - Part A*, **2019**, 25, 799-808	3.9	8
53	Successful development and clinical translation of a novel anterior lamellar artificial cornea. *Journal of Tissue Engineering and Regenerative Medicine*, **2019**, 13, 2142-2154	4.4	22
52	LRRK2 Expression Is Deregulated in Fibroblasts and Neurons from Parkinson Patients with Mutations in PINK1. *Molecular Neurobiology*, **2018**, 55, 506-516	6.2	20
51	iPS Cell Cultures from a Gerstmann-Str□ssler-Scheinker Patient with the Y218N PRNP Mutation Recapitulate tau Pathology. *Molecular Neurobiology*, **2018**, 55, 3033-3048	6.2	18
50	Advances in stem cell therapy for amyotrophic lateral sclerosis. *Expert Opinion on Biological Therapy* , **2018**, 18, 865-881	5.4	25
49	Mitochondrial respiratory chain disorganization in Parkinson□s disease-relevant PINK1 and DJ1 mutants. *Neurochemistry International*, **2017**, 109, 101-105	4.4	28
48	Mutations in LRRK2 impair NF-□B pathway in iPSC-derived neurons. *Journal of Neuroinflammation*, **2016**, 13, 295	10.1	42

47	Fast and Efficient Neural Conversion of Human Hematopoietic Cells. *Current Protocols in Stem Cell Biology*, **2016**, 39, 1F.15.1-1F.15.20	2.8	0
46	Selection Based on FOXA2 Expression Is Not Sufficient to Enrich for Dopamine Neurons From Human Pluripotent Stem Cells. *Stem Cells Translational Medicine*, **2014**, 3, 1032-42	6.9	11
45	Sustained increase of PKA activity in the postcommissural putamen of dyskinetic monkeys. *Molecular Neurobiology*, **2014**, 50, 1131-41	6.2	3
44	Buspirone anti-dyskinetic effect is correlated with temporal normalization of dysregulated striatal DRD1 signalling in L-DOPA-treated rats. *Neuropharmacology*, **2014**, 79, 726-37	5.5	19
43	Fast and efficient neural conversion of human hematopoietic cells. *Stem Cell Reports*, **2014**, 3, 1118-31	8	31
42	Leucine-rich repeat kinase 2 modulates cyclooxygenase 2 and the inflammatory response in idiopathic and genetic Parkinson's disease. *Neurobiology of Aging*, **2014**, 35, 1116-24	5.6	32
41	The LRRK2 G2019S mutant exacerbates basal autophagy through activation of the MEK/ERK pathway. *Cellular and Molecular Life Sciences*, **2013**, 70, 121-36	10.3	124
40	Sox-2 Positive Neural Progenitors in the Primate Striatum Undergo Dynamic Changes after Dopamine Denervation. *PLoS ONE*, **2013**, 8, e66377	3.7	6
39	The MAPK1/3 pathway is essential for the deregulation of autophagy observed in G2019S LRRK2 mutant fibroblasts. *Autophagy*, **2012**, 8, 1537-9	10.2	21
38	Cellular programming and reprogramming: sculpting cell fate for the production of dopamine neurons for cell therapy. *Stem Cells International*, **2012**, 2012, 412040	5	9
37	The role of the subthalamic nucleus in L-DOPA induced dyskinesia in 6-hydroxydopamine lesioned rats. *PLoS ONE*, **2012**, 7, e42652	3.7	28
36	Regulation of corticostriatal synaptic plasticity by G protein-coupled receptors. *CNS and Neurological Disorders - Drug Targets*, **2010**, 9, 601-15	2.6	16
35	Nociceptin/orphanin FQ receptor blockade attenuates MPTP-induced parkinsonism. *Neurobiology of Disease*, **2008**, 30, 430-438	7.5	50
34	Parthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's disease. *Brain*, **2008**, 131, 2127-39	11.2	63
33	In vivo evidence of D3 dopamine receptor sensitization in parkinsonian primates and rodents with l-DOPA-induced dyskinesias. *Neurobiology of Disease*, **2007**, 27, 220-7	7.5	31
32	Enhanced yield of neuroepithelial precursors and midbrain-like dopaminergic neurons from human embryonic stem cells using the bone morphogenic protein antagonist noggin. *Stem Cells*, **2007**, 25, 411-8	5.8	214
31	Markers and methods for cell sorting of human embryonic stem cell-derived neural cell populations. *Stem Cells*, **2007**, 25, 2257-68	5.8	263
30	Long-term clinical improvement in MPTP-lesioned primates after gene therapy with AAV-hAADC. *Molecular Therapy*, **2006**, 14, 564-70	11.7	228

29	Transplanted dopamine neurons derived from primate ES cells preferentially innervate DARPP-32 striatal progenitors within the graft. *European Journal of Neuroscience*, **2006**, 24, 1885-96	3.5	44
28	Cell type analysis of functional fetal dopamine cell suspension transplants in the striatum and substantia nigra of patients with Parkinson's disease. *Brain*, **2005**, 128, 1498-510	11.2	352
27	Long-term survival of dopamine neurons derived from parthenogenetic primate embryonic stem cells (cyno-1) after transplantation. *Stem Cells*, **2005**, 23, 914-22	5.8	110
26	Insights into Parkinson's disease models and neurotoxicity using non-invasive imaging. *Toxicology and Applied Pharmacology*, **2005**, 207, 251-6	4.6	12
25	Necessary methodological and stem cell advances for restoration of the dopaminergic system in Parkinson's disease patients **2005**, 363-380		
24	Mapping dopamine function in primates using pharmacologic magnetic resonance imaging. *Journal of Neuroscience*, **2004**, 24, 9553-60	6.6	81
23	Selective COX-2 inhibition prevents progressive dopamine neuron degeneration in a rat model of Parkinson's disease. *Journal of Neuroinflammation*, **2004**, 1, 6	10.1	148
22	Preclinical models of Parkinson's disease. *Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]*, **2004**, Chapter 1, Unit1.8	1	4
21	Progressive and extensive dopaminergic degeneration induced by convection-enhanced delivery of 6-hydroxydopamine into the rat striatum: a novel rodent model of Parkinson disease. *Journal of Neurosurgery*, **2003**, 98, 136-44	3.2	26
20	Mapping of brain function after MPTP-induced neurotoxicity in a primate Parkinson's disease model. *NeuroImage*, **2003**, 20, 1064-75	7.9	50
19	Dopamine neurons derived from embryonic stem cells function in an animal model of Parkinson's disease. *Nature*, **2002**, 418, 50-6	50.4	1325
18	Effects of fibroblast growth factor and glial-derived neurotrophic factor on akinesia, F-DOPA uptake and dopamine cells in parkinsonian primates. *Parkinsonism and Related Disorders*, **2002**, 8, 311-23	3.6	12
17	Embryonic stem cells develop into functional dopaminergic neurons after transplantation in a Parkinson rat model. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 2344-9	11.5	1000
16	In vitro generation and transplantation of precursor-derived human dopamine neurons. *Journal of Neuroscience Research*, **2001**, 65, 284-8	4.4	102
15	Parkinson's disease: interpretations of transplantation study are erroneous. *Nature Neuroscience*, **2001**, 4, 553	25.5	29
14	Grafting genetically engineered cells into the striatum of nonhuman primates. *Methods in Molecular Medicine*, **2001**, 62, 269-78		
13	Functional effect of adeno-associated virus mediated gene transfer of aromatic L-amino acid decarboxylase into the striatum of 6-OHDA-lesioned rats. *Molecular Therapy*, **2001**, 4, 324-30	11.7	83
12	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. *Experimental Neurology*, **2001**, 168, 155-61	5.7	127

11	Convection-enhanced delivery of AAV-2 combined with heparin increases TK gene transfer in the rat brain. *NeuroReport*, **2001**, 12, 1961-4	1.7	115
10	Preclinical models of Parkinson's disease. *Current Protocols in Neuroscience*, **2001**, Chapter 9, Unit9.4	2.7	20
9	Benzodiazepine receptor binding in Huntington's disease: [11C]Flumazenil uptake measured using positron emission tomography. *Annals of Neurology*, **2000**, 47, 644-648	9.4	56
8	Bradykinesia in early Huntington's disease. *Neurology*, **2000**, 54, 119-25	6.5	68
7	Clinical correlation of striatal 1H MRS changes in Huntington's disease. *Neurology*, **1999**, 53, 806-12	6.5	100
6	Long-term intracerebral infusion of fibroblast growth factors restores motility and enhances F-DOPA uptake in parkinsonian monkeys. *Parkinsonism and Related Disorders*, **1998**, 4, 147-58	3.6	9
5	Severity of cognitive impairment in juvenile and late-onset Huntington disease. *Archives of Neurology*, **1998**, 55, 835-43		41
4	Intramedullary tuberculoma of the spinal cord with syringomyelia. *Neuroradiology*, **1996**, 38 Suppl 1, S105-6	3.2	19
3	Intramedullary tuberculoma of the spinal cord with syringomyelia. *Neuroradiology*, **1996**, 38, S105	3.2	
2	Absence of F-waves as an early electrodiagnostic finding in infarction of the conus medullaris. *Muscle and Nerve*, **1995**, 18, 552-4	3.4	3
1	Paraneoplastic myotonia. *Muscle and Nerve*, **1994**, 17, 694-5	3.4	7