Rosario SÃ¡nchez Pernaute

List of Publications by Year
in descending order

69 papers	6,159 citations	159358 30 h-index	118652 62 g-index
71 all docs	71 docs citations	71 times ranked	6093 citing authors

#	Article	IF	Citations
1	Mesenchymal Stromal Cells for Treating Steroid-Resistant Acute and Chronic Graft Versus Host Disease: A Multicenter Compassionate Use Experience. Stem Cells Translational Medicine, 2022, 11, 343-355.	1.6	10
2	Characterization of molecular biomarkers in cerebrospinal fluid and serum of E46K-SNCA mutation carriers. Parkinsonism and Related Disorders, 2022, 96, 29-35.	1.1	2
3	Optical imaging spectroscopy for rapid, primary screening of SARS-CoV-2: a proof of concept. Scientific Reports, 2022, 12, 2356.	1.6	6
4	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.	1.6	3
5	Looking backward to move forward: a meta-analysis of stem cell therapy in amyotrophic lateral sclerosis. Npj Regenerative Medicine, 2021, 6, 20.	2.5	19
6	Hyperspectral image processing for the identification and quantification of lentiviral particles in fluid samples. Scientific Reports, 2021, 11, 16201.	1.6	6
7	Human Neural Stem Cells for Cell-Based Medicinal Products. Cells, 2021, 10, 2377.	1.8	13
8	Modeling chronic cervical spinal cord injury in aged rats for cell therapy studies. Journal of Clinical Neuroscience, 2021, 94, 76-85.	0.8	8
9	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.	1.6	14
10	Chimeras for the twenty-first century. Critical Reviews in Biotechnology, 2020, 40, 283-291.	5.1	12
11	Mesenchymal stromal cells for the prophylaxis and treatment of graft-versus-host diseaseâ€"a meta-analysis. Stem Cell Research and Therapy, 2020, 11, 64.	2.4	41
12	Successful development and clinical translation of a novel anterior lamellar artificial cornea. Journal of Tissue Engineering and Regenerative Medicine, 2019, 13, 2142-2154.	1.3	42
13	Small fiber neuropathy and phosphorylated alpha-synuclein in the skin of E46K-SNCA mutation carriers. Parkinsonism and Related Disorders, 2019, 65, 139-145.	1.1	17
14	Subretinal Transplant of Induced Pluripotent Stem Cell-Derived Retinal Pigment Epithelium on Nanostructured Fibrin-Agarose. Tissue Engineering - Part A, 2019, 25, 799-808.	1.6	15
15	LRRK2 Expression Is Deregulated in Fibroblasts and Neurons from Parkinson Patients with Mutations in PINK1. Molecular Neurobiology, 2018, 55, 506-516.	1.9	27
16	iPS Cell Cultures from a Gerstmann-StrÃussler-Scheinker Patient with the Y218N PRNP Mutation Recapitulate tau Pathology. Molecular Neurobiology, 2018, 55, 3033-3048.	1.9	27
17	Advances in stem cell therapy for amyotrophic lateral sclerosis. Expert Opinion on Biological Therapy, 2018, 18, 865-881.	1.4	30
18	Mitochondrial respiratory chain disorganization in Parkinson's disease-relevant PINK1 and DJ1 mutants. Neurochemistry International, 2017, 109, 101-105.	1.9	43

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19	Mutations in LRRK2 impair NF-ÎºB pathway in iPSC-derived neurons. Journal of Neuroinflammation, 2016, 13, 295.	3.1	46
20	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
21	Fast and Efficient Neural Conversion of Human Hematopoietic Cells. Stem Cell Reports, 2014, 3, 1118-1131.	2.3	33
22	Leucine-rich repeat kinase 2 modulates cyclooxygenase 2 and the inflammatory response in idiopathic and genetic Parkinson's disease. Neurobiology of Aging, 2014, 35, 1116-1124.	1.5	34
23	Selection Based on FOXA2 Expression Is Not Sufficient to Enrich for Dopamine Neurons From Human Pluripotent Stem Cells. Stem Cells Translational Medicine, 2014, 3, 1032-1042.	1.6	13
24	Sustained Increase of PKA Activity in the Postcommissural Putamen of Dyskinetic Monkeys. Molecular Neurobiology, 2014, 50, 1131-1141.	1.9	3
25	Buspirone anti-dyskinetic effect is correlated with temporal normalization of dysregulated striatal DRD1 signalling in l-DOPA-treated rats. Neuropharmacology, 2014, 79, 726-737.	2.0	24
26	The LRRK2 G2019S mutant exacerbates basal autophagy through activation of the MEK/ERK pathway. Cellular and Molecular Life Sciences, 2013, 70, 121-136.	2.4	148
27	Sox-2 Positive Neural Progenitors in the Primate Striatum Undergo Dynamic Changes after Dopamine Denervation. PLoS ONE, 2013, 8, e66377.	1.1	6
28	Cellular Programming and Reprogramming: Sculpting Cell Fate for the Production of Dopamine Neurons for Cell Therapy. Stem Cells International, 2012, 2012, 1-17.	1.2	11
29	The MAPK1/3 pathway is essential for the deregulation of autophagy observed in G2019S LRRK2 mutant fibroblasts. Autophagy, 2012, 8, 1537-1539.	4.3	23
30	The Role of the Subthalamic Nucleus in L-DOPA Induced Dyskinesia in 6-Hydroxydopamine Lesioned Rats. PLoS ONE, 2012, 7, e42652.	1.1	31
31	Regulation of Corticostriatal Synaptic Plasticity by G Protein-Coupled Receptors. CNS and Neurological Disorders - Drug Targets, 2010, 9, 601-615.	0.8	19
32	Therapeutic Exploration of Metabotropic Glutamate Receptor Antagonists in Parkinsonâ€™s Disease by Positron Emission Tomography. US Neurology, 2010, 05, 21.	0.2	0
33	Nociceptin/orphanin FQ receptor blockade attenuates MPTP-induced parkinsonism. Neurobiology of Disease, 2008, 30, 430-438.	2.1	55
34	Parthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's disease. Brain, 2008, 131, 2127-2139.	3.7	78
35	In vivo evidence of D3 dopamine receptor sensitization in parkinsonian primates and rodents with l-DOPA-induced dyskinesias. Neurobiology of Disease, 2007, 27, 220-227.	2.1	33
36	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, 411-418.	1.4	230

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37	Markers and Methods for Cell Sorting of Human Embryonic Stem Cell-Derived Neural Cell Populations. Stem Cells, 2007, 25, 2257-2268.	1.4	286
38	Long-Term Clinical Improvement in MPTP-Lesioned Primates after Gene Therapy with AAV-hAADC. Molecular Therapy, 2006, 14, 564-570.	3.7	249
39	Transplanted dopamine neurons derived from primate ES cells preferentially innervate DARPP-32 striatal progenitors within the graft. European Journal of Neuroscience, 2006, 24, 1885-1896.	1.2	46
40	Histopathological and Clinical Criteria for Analyzing Transplanted Human Dopamine Cells in Parkinsonâ€™s Disease. , 2006, , 166-183.		0
41	Long-Term Survival of Dopamine Neurons Derived from Parthenogenetic Primate Embryonic Stem Cells (Cyno-1) After Transplantation. Stem Cells, 2005, 23, 914-922.	1.4	122
42	Insights into Parkinson's disease models and neurotoxicity using non-invasive imaging. Toxicology and Applied Pharmacology, 2005, 207, 251-256.	1.3	12
43	Necessary methodological and stem cell advances for restoration of the dopaminergic system in Parkinson's disease patients. , 2005, , 363-380.		0
44	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, 1498-1510.	3.7	406
45	Mapping Dopamine Function in Primates Using Pharmacologic Magnetic Resonance Imaging. Journal of Neuroscience, 2004, 24, 9553-9560.	1.7	88
46	Selective COX-2 inhibition prevents progressive dopamine neuron degeneration in a rat model of Parkinson's disease. Journal of Neuroinflammation, 2004, 1, 6.	3.1	178
47	Preclinical Models of Parkinson's Disease. , 2004, Chapter 1, Unit1.8.		5
48	Mapping of brain function after MPTP-induced neurotoxicity in a primate Parkinson's disease model. NeuroImage, 2003, 20, 1064-1075.	2.1	52
49	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, 136-144.	0.9	30
50	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, 311-323.	1.1	14
51	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, 2344-2349.	3.3	1,126
52	Dopamine neurons derived from embryonic stem cells function in an animal model of Parkinson's disease. Nature, 2002, 418, 50-56.	13.7	1,527
53	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, 324-330.	3.7	95
54	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, 155-161.	2.0	135

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55	Convection-enhanced delivery of AAV-2 combined with heparin increases TK gene transfer in the rat brain. NeuroReport, 2001, 12, 1961-1964.	0.6	123
56	In vitro generation and transplantation of precursor-derived human dopamine neurons. Journal of Neuroscience Research, 2001, 65, 284-288.	1.3	121
57	Parkinson's disease: interpretations of transplantation study are erroneous. Nature Neuroscience, 2001, 4, 553-553.	7.1	33
58	Grafting Genetically Engineered Cells into the Striatum of Nonhuman Primates. , 2001, 62, 269-278.		0
59	Benzodiazepine receptor binding in Huntington's disease: [11C]Flumazenil uptake measured using positron emission tomography. Annals of Neurology, 2000, 47, 644-648.	2.8	62
60	Bradykinesia in early Huntingtonâ€™s disease. Neurology, 2000, 54, 119-119.	1.5	85
61	Transplantation of Human Expanded Progenitors From Midbrain and Neocortex Into a Rat Model of Parkinson Disease. Archives of Neurology, 2000, 57, 1239-a-1239.	4.9	0
62	Clinical correlation of striatal 1H MRS changes in Huntingtonâ€™s disease. Neurology, 1999, 53, 806-806.	1.5	116
63	Preclinical Models of Parkinson's Disease. Current Protocols in Neuroscience, 1999, 9, Unit9.4.	2.6	26
64	Long-term intracerebral infusion of fibroblast growth factors restores motility and enhances F-DOPA uptake in parkinsonian monkeys. Parkinsonism and Related Disorders, 1998, 4, 147-158.	1.1	12
65	Severity of Cognitive Impairment in Juvenile and Late-Onset Huntington Disease. Archives of Neurology, 1998, 55, 835.	4.9	52
66	Intramedullary tuberculoma of the spinal cord with syringomyelia. Neuroradiology, 1996, 38, S105-S106.	1.1	23
67	Intramedullary tuberculoma of the spinal cord with syringomyelia. Neuroradiology, 1996, 38, S105.	1.1	0
68	Absence of F-waves as an early electrodiagnostic finding in infarction of the conus medullaris. Muscle and Nerve, 1995, 18, 552-554.	1.0	5
69	Paraneoplastic myotonia. Muscle and Nerve, 1994, 17, 694-695.	1.0	7