

Mã;tÃ© D DÃ¡brÃ¡ssy

List of Publications by Year in descending order

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73
papers

2,189
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257450

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all docs

73
docs citations

73
times ranked

2454
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial Learning Depends on Both the Addition and Removal of New Hippocampal Neurons. PLoS Biology, 2007, 5, e214.	5.6	337
2	Differential effects of learning on neurogenesis: learning increases or decreases the number of newly born cells depending on their birth date. Molecular Psychiatry, 2003, 8, 974-982.	7.9	223
3	Brain-derived neurotrophic factor (BDNF) overexpression in the forebrain results in learning and memory impairments. Neurobiology of Disease, 2009, 33, 358-368.	4.4	101
4	The influence of environment and experience on neural grafts. Nature Reviews Neuroscience, 2001, 2, 871-879.	10.2	88
5	Motor training effects on recovery of function after striatal lesions and striatal grafts. Experimental Neurology, 2003, 184, 274-284.	4.1	73
6	Affective Neuroscience Strategies for Understanding and Treating Depression. Clinical Psychological Science, 2014, 2, 472-494.	4.0	68
7	Environmental enrichment affects striatal graft morphology and functional recovery. European Journal of Neuroscience, 2004, 19, 159-168.	2.6	60
8	Enhanced mGlu5 Signaling in Excitatory Neurons Promotes Rapid Antidepressant Effects via AMPA Receptor Activation. Neuron, 2019, 104, 338-352.e7.	8.1	55
9	Tractographic description of major subcortical projection pathways passing the anterior limb of the internal capsule. Corticopetal organization of networks relevant for psychiatric disorders. NeuroImage: Clinical, 2020, 25, 102165.	2.7	52
10	Training specificity, graft development and graft-mediated functional recovery in a rodent model of Huntingtonâ€™s disease. Neuroscience, 2005, 132, 543-552.	2.3	46
11	Review: Neurorehabilitation With Neural Transplantation. Neurorehabilitation and Neural Repair, 2010, 24, 692-701.	2.9	44
12	Striatal lesions produce distinctive impairments in reaction time performance in two different operant chambers. Brain Research Bulletin, 1998, 46, 487-493.	3.0	43
13	Embryonic striatal grafts restore biâ€directional synaptic plasticity in a rodent model of Huntingtonâ€™s disease. European Journal of Neuroscience, 2009, 30, 2134-2142.	2.6	40
14	Plasmid-Based Generation of Induced Neural Stem Cells from Adult Human Fibroblasts. Frontiers in Cellular Neuroscience, 2016, 10, 245.	3.7	40
15	Electrical stimulation of the medial forebrain bundle in pre-clinical studies of psychiatric disorders. Neuroscience and Biobehavioral Reviews, 2015, 49, 32-42.	6.1	37
16	Optimising Plasticity: Environmental and Training Associated Factors in Transplant-mediated Brain Repair. Reviews in the Neurosciences, 2005, 16, 1-22.	2.9	35
17	Impact of dopamine to serotonin cell ratio in transplants on behavioral recovery and L-DOPA-induced dyskinesia. Neurobiology of Disease, 2011, 43, 576-587.	4.4	34
18	Morphological and cellular changes within embryonic striatal grafts associated with enriched environment and involuntary exercise. European Journal of Neuroscience, 2006, 24, 3223-3233.	2.6	33

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19	Chronic deep brain stimulation of the medial forebrain bundle reverses depressive-like behavior in a hemiparkinsonian rodent model. <i>Experimental Brain Research</i> , 2015, 233, 3073-3085.	1.5	32
20	The effects of lateralized training on spontaneous forelimb preference, lesion deficits, and graft-mediated functional recovery after unilateral striatal lesions in rats. <i>Experimental Neurology</i> , 2006, 199, 373-383.	4.1	31
21	Ventral tegmental area dopaminergic lesion-induced depressive phenotype in the rat is reversed by deep brain stimulation of the medial forebrain bundle. <i>Behavioural Brain Research</i> , 2016, 299, 132-140.	2.2	30
22	Striatal grafts alleviate deficits in response execution in a lateralised reaction time task. <i>Brain Research Bulletin</i> , 1998, 47, 585-593.	3.0	29
23	The effects of bilateral, continuous, and chronic Deep Brain Stimulation of the medial forebrain bundle in a rodent model of depression. <i>Experimental Neurology</i> , 2018, 303, 153-161.	4.1	28
24	Unilateral striatal lesions impair response execution on a lateralised choice reaction time task. <i>Behavioural Brain Research</i> , 1997, 87, 159-171.	2.2	24
25	To be or not to be accepted: the role of immunogenicity of neural stem cells following transplantation into the brain in animal and human studies. <i>Seminars in Immunopathology</i> , 2011, 33, 619-626.	6.1	24
26	Environmental Housing and Duration of Exposure Affect Striatal Graft Morphology in a Rodent Model of Huntington's Disease. <i>Cell Transplantation</i> , 2008, 17, 1125-1134.	2.5	23
27	Early deficits in declarative and procedural memory dependent behavioral function in a transgenic rat model of Huntington's disease. <i>Behavioural Brain Research</i> , 2013, 239, 15-26.	2.2	23
28	Enhanced adenosine A1 receptor and Homer1a expression in hippocampus modulates the resilience to stress-induced depression-like behavior. <i>Neuropharmacology</i> , 2020, 162, 107834.	4.1	23
29	Neuromodulation in Psychiatric disorders: Experimental and Clinical evidence for reward and motivation network Deep Brain Stimulation: Focus on the medial forebrain bundle. <i>European Journal of Neuroscience</i> , 2021, 53, 89-113.	2.6	23
30	Organization of the human fetal subpallium. <i>Frontiers in Neuroanatomy</i> , 2013, 7, 54.	1.7	22
31	Anodal Transcranial Direct Current Stimulation Enhances Survival and Integration of Dopaminergic Cell Transplants in a Rat Parkinson Model. <i>ENeuro</i> , 2017, 4, ENEURO.0063-17.2017.	1.9	22
32	Resistance to Hypoxia-Induced, BNIP3-Mediated Cell Death Contributes to an Increase in a CD133-Positive Cell Population in Human Glioblastomas In Vitro. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 1086-1099.	1.7	21
33	The corridor task: Striatal lesion effects and graft-mediated recovery in a model of Huntington's disease. <i>Behavioural Brain Research</i> , 2007, 179, 326-330.	2.2	20
34	Pencilbeam Irradiation Technique for Whole Brain Radiotherapy: Technical and Biological Challenges in a Small Animal Model. <i>PLoS ONE</i> , 2013, 8, e54960.	2.5	20
35	The effects of bilateral striatal lesions on the acquisition of an operant test of short term memory. <i>NeuroReport</i> , 1995, 6, 2049-2053.	1.2	19
36	Graft-mediated functional recovery on a skilled forelimb use paradigm in a rodent model of Parkinson's disease is dependent on reward contingency. <i>Behavioural Brain Research</i> , 2010, 212, 187-195.	2.2	19

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37	Extent of pre-operative L-DOPA-induced dyskinesia predicts the severity of graft-induced dyskinesia after fetal dopamine cell transplantation. <i>Experimental Neurology</i> , 2011, 232, 270-279.	4.1	19
38	Feasibility and Safety of Continuous and Chronic Bilateral Deep Brain Stimulation of the Medial Forebrain Bundle in the Naïve Sprague-Dawley Rat. <i>Behavioural Neurology</i> , 2015, 2015, 1-13.	2.1	19
39	Long-term characterization of the Flinders Sensitive Line rodent model of human depression: Behavioral and PET evidence of a dysfunctional entorhinal cortex. <i>Behavioural Brain Research</i> , 2016, 300, 11-24.	2.2	19
40	Subtle but progressive cognitive deficits in the female tgHD hemizygote rat as demonstrated by operant SILT performance. <i>Brain Research Bulletin</i> , 2009, 79, 310-315.	3.0	18
41	Pattern of long-term sensorimotor recovery following intrastriatal and accumbens DA micrografts in a rat model of Parkinson's disease. <i>Journal of Comparative Neurology</i> , 2009, 515, 41-55.	1.6	17
42	Donor age dependent graft development and recovery in a rat model of Huntington's disease: Histological and behavioral analysis. <i>Behavioural Brain Research</i> , 2013, 256, 56-63.	2.2	17
43	Hippocampal lesions impair performance on a conditional delayed matching and non-matching to position task in the rat. <i>Behavioural Brain Research</i> , 2006, 171, 240-250.	2.2	16
44	Environmental Enrichment Facilitates Long-Term Potentiation in Embryonic Striatal Grafts. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 548-557.	2.9	16
45	Diverging prefrontal cortex fiber connection routes to the subthalamic nucleus and the mesencephalic ventral tegmentum investigated with long range (normative) and short range (ex-vivo) Tj ETQq1 1 0z784314 rBT /Ove		
46	Deep Brain Stimulation of the Medial Forebrain Bundle in a Rodent Model of Depression: Exploring Dopaminergic Mechanisms with Raclopride and Micro-PET. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 8-20.	1.5	15
47	Multitract Microtransplantation Increases the Yield of DARPP-32-Positive Embryonic Striatal Cells in a Rodent Model of Huntington's Disease. <i>Cell Transplantation</i> , 2011, 20, 1515-1527.	2.5	14
48	Roscovitine, an experimental CDK5 inhibitor, causes delayed suppression of microglial, but not astroglial recruitment around intracerebral dopaminergic grafts. <i>Experimental Neurology</i> , 2019, 318, 135-144.	4.1	14
49	Medial forebrain bundle DBS differentially modulates dopamine release in the nucleus accumbens in a rodent model of depression. <i>Experimental Neurology</i> , 2020, 327, 113224.	4.1	13
50	Restoration of the striatal circuitry: from developmental aspects toward clinical applications. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 16.	3.7	12
51	Subthalamic nucleus lesion improves cell survival and functional recovery following dopaminergic cell transplantation in parkinsonian rats. <i>European Journal of Neuroscience</i> , 2014, 39, 1474-1484.	2.6	12
52	[18F]desmethoxyfallypride as a novel PET radiotracer for quantitative in vivo dopamine D2/D3 receptor imaging in rat models of neurodegenerative diseases. <i>Nuclear Medicine and Biology</i> , 2012, 39, 1077-1080.	0.6	11
53	Continuous High-Frequency Stimulation of the Subthalamic Nucleus Improves Cell Survival and Functional Recovery Following Dopaminergic Cell Transplantation in Rodents. <i>Neurorehabilitation and Neural Repair</i> , 2015, 29, 1001-1012.	2.9	11
54	Impact of dopamine versus serotonin cell transplantation for the development of graft-induced dyskinesia in a rat Parkinson model. <i>Brain Research</i> , 2012, 1470, 119-129.	2.2	10

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55	Behavioral and histological analysis of a partial double-lesion model of parkinson-variant multiple system atrophy. <i>Journal of Neuroscience Research</i> , 2012, 90, 1284-1295.	2.9	10
56	Clinical neurotransplantation protocol for Huntington's and Parkinson's disease. <i>Restorative Neurology and Neuroscience</i> , 2013, 31, 579-595.	0.7	10
57	Transplantation of Human Fetal Tissue for Neurodegenerative Diseases: Validation of a New Protocol for Microbiological Analysis and Bacterial Decontamination. <i>Cell Transplantation</i> , 2014, 23, 995-1007.	2.5	10
58	Ketamine anaesthesia interferes with the quinolinic acid-induced lesion in a rat model of Huntington's disease. <i>Journal of Neuroscience Methods</i> , 2009, 179, 219-223.	2.5	8
59	Role of experience, training, and plasticity in the functional efficacy of striatal transplants. <i>Progress in Brain Research</i> , 2012, 200, 303-328.	1.4	6
60	Two-step grafting significantly enhances the survival of foetal dopaminergic transplants and induces graft-derived vascularisation in a 6-OHDA model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2014, 68, 112-125.	4.4	5
61	Rehabilitation training in neural restitution. <i>Progress in Brain Research</i> , 2017, 230, 305-329.	1.4	5
62	Striatal Grafts and Synaptic Plasticity. , 2005, , 313-320.		5
63	Validating the use of M4-BAC-GFP mice as tissue donors in cell replacement therapies in a rodent model of Huntington's disease. <i>Journal of Neuroscience Methods</i> , 2011, 197, 6-13.	2.5	4
64	Optogenetic stimulation of ventral tegmental area dopaminergic neurons in a female rodent model of depression: The effect of different stimulation patterns. <i>Journal of Neuroscience Research</i> , 2022, 100, 897-911.	2.9	4
65	“The Heart Asks Pleasure First” Conceptualizing Psychiatric Diseases as MAINTENANCE Network Dysfunctions through Insights from sLMFB DBS in Depression and Obsessive-Compulsive Disorder. <i>Brain Sciences</i> , 2022, 12, 438.	2.3	4
66	Slow Wave Sleep Deficits in the Flinders Sensitive Line Rodent Model of Depression: Effects of Medial Forebrain Bundle Deep-Brain Stimulation. <i>Neuroscience</i> , 2022, 498, 31-49.	2.3	3
67	Neural Repair with Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1037, 117-144.	0.9	2
68	Stereotactic Surgery in Rats. <i>Neuromethods</i> , 2016, , 31-54.	0.3	1
69	Excitotoxic Lesions of the Rodent Striatum. <i>Neuromethods</i> , 2011, , 21-35.	0.3	1
70	Olfactory discrimination and memory deficits in the Flinders Sensitive Line rodent model of depression. <i>Behavioural Processes</i> , 2017, 143, 25-29.	1.1	0
71	L-dopa response pattern in a rat model of mild striatonigral degeneration. <i>PLoS ONE</i> , 2019, 14, e0218130.	2.5	0
72	Operant Analysis of Striatal Dysfunction. , 2000, , 249-273.		0

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73	Neural Stem Cells: From Cell Fate and Metabolic Monitoring Toward Clinical Applications. , 2011, , 435-455.		0