Andreas Heuer

List of Publications by Year
in descending order

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Version: 2024-02-01

38	1,691	430874	315739
papers	citations	18 h-index	38 g-index

41	41	41	2454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human ESC-Derived Dopamine Neurons Show Similar Preclinical Efficacy and Potency to Fetal Neurons when Grafted in a Rat Model of Parkinsonâ€™s Disease. Cell Stem Cell, 2014, 15, 653-665.	11.1	373
2	Predictive Markers Guide Differentiation to Improve Graft Outcome in Clinical Translation of hESC-Based Therapy for Parkinsonâ€™s Disease. Cell Stem Cell, 2017, 20, 135-148.	11.1	215
3	Generation of high-purity human ventral midbrain dopaminergic progenitors for in vitro maturation and intracerebral transplantation. Nature Protocols, 2017, 12, 1962-1979.	12.0	177
4	Activin A directs striatal projection neuron differentiation of human pluripotent stem cells. Development (Cambridge), 2015, 142, 1375-1386.	2.5	134
5	Monosynaptic Tracing using Modified Rabies Virus Reveals Early and Extensive Circuit Integration of Human Embryonic Stem Cell-Derived Neurons. Stem Cell Reports, 2015, 4, 975-983.	4.8	92
6	Unilateral nigrostriatal 6-hydroxydopamine lesions in mice I: Motor impairments identify extent of dopamine depletion at three different lesion sites. Behavioural Brain Research, 2012, 228, 30-43.	2.2	88
7	Derangement of Ras-Guanine Nucleotide-Releasing Factor 1 (Ras-GRF1) and Extracellular Signal-Regulated Kinase (ERK) Dependent Striatal Plasticity in L-DOPA-Induced Dyskinesia. Biological Psychiatry, 2015, 77, 106-115.	1.3	67
8	DREADD Modulation of Transplanted DA Neurons Reveals a Novel Parkinsonian Dyskinesia Mechanism Mediated by the Serotonin 5-HT6 Receptor. Neuron, 2016, 90, 955-968.	8.1	55
9	Single cell transcriptomics identifies stem cell-derived graft composition in a model of Parkinsonâ€™s disease. Nature Communications, 2020, 11, 2434.	12.8	54
10	Unilateral nigrostriatal 6-hydroxydopamine lesions in mice II: Predicting l-DOPA-induced dyskinesia. Behavioural Brain Research, 2012, 226, 281-292.	2.2	51
11	Selective cognitive impairment in the YAC128 Huntington's disease mouse. Brain Research Bulletin, 2012, 88, 121-129.	3.0	42
12	IAP-Based Cell Sorting Results in Homogeneous Transplantable Dopaminergic Precursor Cells Derived from Human Pluripotent Stem Cells. Stem Cell Reports, 2017, 9, 1207-1220.	4.8	40
13	Chemogenetic modulation of cholinergic interneurons reveals their regulating role on the direct and indirect output pathways from the striatum. Neurobiology of Disease, 2018, 109, 148-162.	4.4	36
14	Increased efficacy of the 6-hydroxydopamine lesion of the median forebrain bundle in small rats, by modification of the stereotaxic coordinates. Journal of Neuroscience Methods, 2011, 200, 29-35.	2.5	35
15	AAV Production Everywhere: A Simple, Fast, and Reliable Protocol for Inâ€house AAV Vector Production Based on Chloroform Extraction. Current Protocols in Neuroscience, 2020, 93, e103.	2.6	30
16	Seeding of protein aggregation causes cognitive impairment in rat model of cortical synucleinopathy. Movement Disorders, 2019, 34, 1699-1710.	3.9	28
17	Cellular alterations identified in pluripotent stem cell-derived midbrain spheroids generated from a female patient with progressive external ophthalmoplegia and parkinsonism who carries a novel variation (p.Q811R) in the POLG1 gene. Acta Neuropathologica Communications, 2019, 7, 208.	5.2	20
18	Dopamine-rich grafts alleviate deficits in contralateral response space induced by extensive dopamine depletion in rats. Experimental Neurology, 2013, 247, 485-495.	4.1	19

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19	Comparison of 6â€hydroxydopamine lesions of the substantia nigra and the medial forebrain bundle on a lateralised choice reaction time task in mice. European Journal of Neuroscience, 2013, 37, 294-302.	2.6	16
20	A comparison of AAV-vector production methods for gene therapy and preclinical assessment. Scientific Reports, 2020, 10, 21532.	3.3	16
21	Bilateral striatal lesions disrupt performance in an operant delayed reinforcement task in rats. Brain Research Bulletin, 2012, 88, 251-260.	3.0	13
22	hESC-derived neural progenitors prevent xenograft rejection through neonatal desensitisation. Experimental Neurology, 2016, 282, 78-85.	4.1	12
23	Amphetamine-Induced Dyskinesia in the Transplanted Hemi-Parkinsonian Mouse. Journal of Parkinson's Disease, 2012, 2, 107-113.	2.8	9
24	Behavioural recovery on simple and complex tasks by means of cell replacement therapy in unilateral 6â€hydroxydopamineâ€lesioned mice. European Journal of Neuroscience, 2013, 37, 1691-1704.	2.6	9
25	Sequential or Simultaneous Injection of Preformed Fibrils and AAV Overexpression of Alpha-Synuclein Are Equipotent in Producing Relevant Pathology and Behavioral Deficits. Journal of Parkinson's Disease, 2022, 12, 1133-1153.	2.8	8
26	Unilateral 6-OHDA Lesions Induce Lateralised Deficits in a â€˜Skinner boxâ€™ Operant Choice Reaction Time Task in Rats. Journal of Parkinson's Disease, 2012, 2, 309-320.	2.8	5
27	Characterisation of spatial neglect induced by unilateral 6-OHDA lesions on a choice reaction time task in rats. Behavioural Brain Research, 2013, 237, 215-222.	2.2	5
28	Molecular barcoding of viral vectors enables mapping and optimization of mRNAtrans-splicing. Rna, 2018, 24, 673-687.	3.5	5
29	6-OHDA Toxin Model in Mouse. Neuromethods, 2011, , 281-297.	0.3	5
30	Directly Converted Human Fibroblasts Mature to Neurons and Show Long-Term Survival in Adult Rodent Hippocampus. Stem Cells International, 2017, 2017, 1-9.	2.5	4
31	A novel two-factor monosynaptic TRIO tracing method for assessment of circuit integration of hESC-derived dopamine transplants. Stem Cell Reports, 2022, 17, 159-172.	4.8	4
32	Automated Operant Assessments of Huntingtonâ€™s Disease Mouse Models. Methods in Molecular Biology, 2018, 1780, 143-162.	0.9	2
33	Neurotransmitter Release of Reprogrammed Cells Using Electrochemical Detection Methods. Methods in Molecular Biology, 2021, 2352, 201-226.	0.9	2
34	Small scale adeno-associated virus-vector production for preclinical gene delivery based on chloroform precipitation. Neural Regeneration Research, 2022, 17, 99.	3.0	2
35	Automated quantification of neuronal swellings in a preclinical rodent model of Parkinsonâ€™s disease detects region-specific changes in pathology. Journal of Neuroscience Methods, 2022, 378, 109640.	2.5	2
36	Editorial: Regeneration and Brain Repair. Frontiers in Cellular Neuroscience, 2021, 15, 687992.	3.7	1

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37	18. Novel Approach Using Fetal Dopaminergic Grafts In Situ Transduced with AAV-DREADDs Significantly Increases Behavioral Motor Recovery in a Rat Model of Parkinson's Disease. Molecular Therapy, 2015, 23, S8-S9.	8.2	0
38	Dopaminergic Progenitors Derived From Epiblast Stem Cells Function Similarly to Primary VM-Derived Progenitors When Transplanted Into a Parkinsonâ€™s Disease Model. Frontiers in Neuroscience, 2020, 14, 312.	2.8	0