

# Andreas Heuer

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,691  
citations

430874

18  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small scale adeno-associated virus-vector production for preclinical gene delivery based on chloroform precipitation. <i>Neural Regeneration Research</i> , 2022, 17, 99.	3.0	2
2	A novel two-factor monosynaptic TRIO tracing method for assessment of circuit integration of hESC-derived dopamine transplants. <i>Stem Cell Reports</i> , 2022, 17, 159-172.	4.8	4
3	Sequential or Simultaneous Injection of Preformed Fibrils and AAV Overexpression of Alpha-Synuclein Are Equipotent in Producing Relevant Pathology and Behavioral Deficits. <i>Journal of Parkinson's Disease</i> , 2022, 12, 1133-1153.	2.8	8
4	Automated quantification of neuronal swellings in a preclinical rodent model of Parkinson's disease detects region-specific changes in pathology. <i>Journal of Neuroscience Methods</i> , 2022, 378, 109640.	2.5	2
5	Neurotransmitter Release of Reprogrammed Cells Using Electrochemical Detection Methods. <i>Methods in Molecular Biology</i> , 2021, 2352, 201-226.	0.9	2
6	Editorial: Regeneration and Brain Repair. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 687992.	3.7	1
7	AAV Production Everywhere: A Simple, Fast, and Reliable Protocol for In-house AAV Vector Production Based on Chloroform Extraction. <i>Current Protocols in Neuroscience</i> , 2020, 93, e103.	2.6	30
8	A comparison of AAV-vector production methods for gene therapy and preclinical assessment. <i>Scientific Reports</i> , 2020, 10, 21532.	3.3	16
9	Single cell transcriptomics identifies stem cell-derived graft composition in a model of Parkinson's disease. <i>Nature Communications</i> , 2020, 11, 2434.	12.8	54
10	Dopaminergic Progenitors Derived From Epiblast Stem Cells Function Similarly to Primary VM-Derived Progenitors When Transplanted Into a Parkinson's Disease Model. <i>Frontiers in Neuroscience</i> , 2020, 14, 312.	2.8	0
11	Seeding of protein aggregation causes cognitive impairment in rat model of cortical synucleinopathy. <i>Movement Disorders</i> , 2019, 34, 1699-1710.	3.9	28
12	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. <i>Acta Neuropathologica Communications</i> , 2019, 7, 208.	5.2	20
13	Molecular barcoding of viral vectors enables mapping and optimization of mRNA splicing. <i>Rna</i> , 2018, 24, 673-687.	3.5	5
14	Chemogenetic modulation of cholinergic interneurons reveals their regulating role on the direct and indirect output pathways from the striatum. <i>Neurobiology of Disease</i> , 2018, 109, 148-162.	4.4	36
15	Automated Operant Assessments of Huntington's Disease Mouse Models. <i>Methods in Molecular Biology</i> , 2018, 1780, 143-162.	0.9	2
16	IAP-Based Cell Sorting Results in Homogeneous Transplantable Dopaminergic Precursor Cells Derived from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2017, 9, 1207-1220.	4.8	40
17	Generation of high-purity human ventral midbrain dopaminergic progenitors for in vitro maturation and intracerebral transplantation. <i>Nature Protocols</i> , 2017, 12, 1962-1979.	12.0	177
18	Predictive Markers Guide Differentiation to Improve Graft Outcome in Clinical Translation of hESC-Based Therapy for Parkinson's Disease. <i>Cell Stem Cell</i> , 2017, 20, 135-148.	11.1	215

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19	Directly Converted Human Fibroblasts Mature to Neurons and Show Long-Term Survival in Adult Rodent Hippocampus. <i>Stem Cells International</i> , 2017, 2017, 1-9.	2.5	4
20	DREADD Modulation of Transplanted DA Neurons Reveals a Novel Parkinsonian Dyskinesia Mechanism Mediated by the Serotonin 5-HT6 Receptor. <i>Neuron</i> , 2016, 90, 955-968.	8.1	55
21	hESC-derived neural progenitors prevent xenograft rejection through neonatal desensitisation. <i>Experimental Neurology</i> , 2016, 282, 78-85.	4.1	12
22	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. <i>Molecular Therapy</i> , 2015, 23, S8-S9.	8.2	0
23	Monosynaptic Tracing using Modified Rabies Virus Reveals Early and Extensive Circuit Integration of Human Embryonic Stem Cell-Derived Neurons. <i>Stem Cell Reports</i> , 2015, 4, 975-983.	4.8	92
24	Activin A directs striatal projection neuron differentiation of human pluripotent stem cells. <i>Development (Cambridge)</i> , 2015, 142, 1375-1386.	2.5	134
25	Derangement of Ras-Guanine Nucleotide-Releasing Factor 1 (Ras-GRF1) and Extracellular Signal-Regulated Kinase (ERK) Dependent Striatal Plasticity in L-DOPA-Induced Dyskinesia. <i>Biological Psychiatry</i> , 2015, 77, 106-115.	1.3	67
26	Human ESC-Derived Dopamine Neurons Show Similar Preclinical Efficacy and Potency to Fetal Neurons when Grafted in a Rat Model of Parkinson's Disease. <i>Cell Stem Cell</i> , 2014, 15, 653-665.	11.1	373
27	Characterisation of spatial neglect induced by unilateral 6-OHDA lesions on a choice reaction time task in rats. <i>Behavioural Brain Research</i> , 2013, 237, 215-222.	2.2	5
28	Dopamine-rich grafts alleviate deficits in contralateral response space induced by extensive dopamine depletion in rats. <i>Experimental Neurology</i> , 2013, 247, 485-495.	4.1	19
29	Comparison of 6-hydroxydopamine lesions of the substantia nigra and the medial forebrain bundle on a lateralised choice reaction time task in mice. <i>European Journal of Neuroscience</i> , 2013, 37, 294-302.	2.6	16
30	Behavioural recovery on simple and complex tasks by means of cell replacement therapy in unilateral 6-hydroxydopamine-lesioned mice. <i>European Journal of Neuroscience</i> , 2013, 37, 1691-1704.	2.6	9
31	Amphetamine-Induced Dyskinesia in the Transplanted Hemi-Parkinsonian Mouse. <i>Journal of Parkinson's Disease</i> , 2012, 2, 107-113.	2.8	9
32	Unilateral 6-OHDA Lesions Induce Lateralised Deficits in a "Skinner box" Operant Choice Reaction Time Task in Rats. <i>Journal of Parkinson's Disease</i> , 2012, 2, 309-320.	2.8	5
33	Unilateral nigrostriatal 6-hydroxydopamine lesions in mice II: Predicting l-DOPA-induced dyskinesia. <i>Behavioural Brain Research</i> , 2012, 226, 281-292.	2.2	51
34	Unilateral nigrostriatal 6-hydroxydopamine lesions in mice I: Motor impairments identify extent of dopamine depletion at three different lesion sites. <i>Behavioural Brain Research</i> , 2012, 228, 30-43.	2.2	88
35	Bilateral striatal lesions disrupt performance in an operant delayed reinforcement task in rats. <i>Brain Research Bulletin</i> , 2012, 88, 251-260.	3.0	13
36	Selective cognitive impairment in the YAC128 Huntington's disease mouse. <i>Brain Research Bulletin</i> , 2012, 88, 121-129.	3.0	42

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37	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
38	6-OHDA Toxin Model in Mouse. Neuromethods, 2011, , 281-297.	0.3	5