

Lars TÃ¶nges

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

6,922
citations

147801

31
h-index

64796

79
g-index

112
all docs

112
docs citations

112
times ranked

14278
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
2	Mechanisms of acute axonal degeneration in the optic nerve in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6064-6069.	7.1	253
3	Axonal degeneration as a therapeutic target in the CNS. <i>Cell and Tissue Research</i> , 2012, 349, 289-311.	2.9	224
4	ROCK inhibition and CNTF interact on intrinsic signalling pathways and differentially regulate survival and regeneration in retinal ganglion cells. <i>Brain</i> , 2008, 131, 250-263.	7.6	215
5	ROCK2 is a major regulator of axonal degeneration, neuronal death and axonal regeneration in the CNS. <i>Cell Death and Disease</i> , 2014, 5, e1225-e1225.	6.3	150
6	Inhibition of rho kinase enhances survival of dopaminergic neurons and attenuates axonal loss in a mouse model of Parkinson's disease. <i>Brain</i> , 2012, 135, 3355-3370.	7.6	142
7	ROCK inhibition in models of neurodegeneration and its potential for clinical translation. , 2018, 189, 1-21.		136
8	Fasudil attenuates aggregation of α -synuclein in models of Parkinson's disease. <i>Acta Neuropathologica Communications</i> , 2016, 4, 39.	5.2	123
9	The spinal muscular atrophy disease protein SMN is linked to the rho-kinase pathway via profilin. <i>Human Molecular Genetics</i> , 2011, 20, 4865-4878.	2.9	120
10	Alpha-Synuclein affects neurite morphology, autophagy, vesicle transport and axonal degeneration in CNS neurons. <i>Cell Death and Disease</i> , 2015, 6, e1811-e1811.	6.3	102
11	Rho kinase inhibition modulates microglia activation and improves survival in a model of amyotrophic lateral sclerosis. <i>Glia</i> , 2014, 62, 217-232.	4.9	90
12	Stearylated octaarginine and artificial virus-like particles for transfection of siRNA into primary rat neurons. <i>Rna</i> , 2006, 12, 1431-1438.	3.5	89
13	Tat-Hsp70 protects dopaminergic neurons in midbrain cultures and in the substantia nigra in models of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2008, 105, 853-864.	3.9	85
14	TAT-Hsp70-Mediated Neuroprotection and Increased Survival of Neuronal Precursor Cells after Focal Cerebral Ischemia in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 1187-1196.	4.3	85
15	ROCKing regeneration: Rho kinase inhibition as molecular target for neurorestoration. <i>Frontiers in Molecular Neuroscience</i> , 2011, 4, 39.	2.9	83
16	Transduction of Neural Precursor Cells with TAT-Heat Shock Protein 70 Chaperone: Therapeutic Potential Against Ischemic Stroke after Intrastratial and Systemic Transplantation. <i>Stem Cells</i> , 2012, 30, 1297-1310.	3.2	72
17	Association of Blood Pressure With Outcomes in Acute Stroke Thrombectomy. <i>Hypertension</i> , 2020, 75, 730-739.	2.7	72
18	Glun2D-containing NMDA receptors mediate synaptic currents in hippocampal interneurons and pyramidal cells in juvenile mice. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 95.	3.7	70

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19	BAG1 promotes axonal outgrowth and regeneration in vivo via Raf-1 and reduction of ROCK activity. <i>Brain</i> , 2008, 131, 2606-2619.	7.6	66
20	Classification of advanced stages of Parkinson's disease: translation into stratified treatments. <i>Journal of Neural Transmission</i> , 2017, 124, 1015-1027.	2.8	64
21	Hepatocyte growth factor protects retinal ganglion cells by increasing neuronal survival and axonal regeneration in vitro and in vivo. <i>Journal of Neurochemistry</i> , 2011, 117, 892-903.	3.9	58
22	Interventional Influence of the Intestinal Microbiome Through Dietary Intervention and Bowel Cleansing Might Improve Motor Symptoms in Parkinson's Disease. <i>Cells</i> , 2020, 9, 376.	4.1	57
23	Modulation of Microglial Activity by Rho-Kinase (ROCK) Inhibition as Therapeutic Strategy in Parkinson's Disease and Amyotrophic Lateral Sclerosis. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 94.	3.4	56
24	AAV.shRNA-mediated downregulation of ROCK2 attenuates degeneration of dopaminergic neurons in toxin-induced models of Parkinson's disease in vitro and in vivo. <i>Neurobiology of Disease</i> , 2015, 73, 150-162.	4.4	54
25	Emerging Immunotherapies for Parkinson Disease. <i>Neurology and Therapy</i> , 2019, 8, 29-44.	3.2	49
26	Deferiprone Rescues Behavioral Deficits Induced by Mild Iron Exposure in a Mouse Model of Alpha-Synuclein Aggregation. <i>NeuroMolecular Medicine</i> , 2017, 19, 309-321.	3.4	45
27	TGF- β 1 enhances neurite outgrowth via regulation of proteasome function and EFABP. <i>Neurobiology of Disease</i> , 2010, 38, 395-404.	4.4	44
28	Rho Kinase Inhibition by Fasudil in the Striatal 6-Hydroxydopamine Lesion Mouse Model of Parkinson Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 770-779.	1.7	42
29	Elemental fingerprint as a cerebrospinal fluid biomarker for the diagnosis of Parkinson's disease. <i>Journal of Neurochemistry</i> , 2018, 145, 342-351.	3.9	39
30	Clinical Profiles and Mortality of COVID-19 Inpatients with Parkinson's Disease in Germany. <i>Movement Disorders</i> , 2021, 36, 1049-1057.	3.9	36
31	Altered Expression of Growth Associated Protein-43 and Rho Kinase in Human Patients with Parkinson's Disease. <i>Brain Pathology</i> , 2017, 27, 13-25.	4.1	35
32	miR-182-5p and miR-183-5p Act as GDNF Mimics in Dopaminergic Midbrain Neurons. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 9-22.	5.1	34
33	Upregulation of reggie-1/flotillin-2 promotes axon regeneration in the rat optic nerve in vivo and neurite growth in vitro. <i>Neurobiology of Disease</i> , 2013, 51, 168-176.	4.4	33
34	Rho Kinase Inhibition with Fasudil in the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis Symptomatic Treatment Potential after Disease Onset. <i>Frontiers in Pharmacology</i> , 2017, 8, 17.	3.5	32
35	Viral vector-mediated downregulation of RhoA increases survival and axonal regeneration of retinal ganglion cells. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 273.	3.7	31
36	The Progressive Supranuclear Palsy Clinical Deficits Scale. <i>Movement Disorders</i> , 2020, 35, 650-661.	3.9	31

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37	Galectin-1 expression in human glioma cells: modulation by ionizing radiation and effects on tumor cell proliferation and migration. <i>Oncology Reports</i> , 2007, 18, 483-8.	2.6	31
38	Novel Immunotherapeutic Approaches to Target Alpha-Synuclein and Related Neuroinflammation in Parkinson's Disease. <i>Cells</i> , 2019, 8, 105.	4.1	30
39	Blood Contamination in CSF and Its Impact on Quantitative Analysis of Alpha-Synuclein. <i>Cells</i> , 2020, 9, 370.	4.1	30
40	Update on CSF Biomarkers in Parkinson's Disease. <i>Biomolecules</i> , 2022, 12, 329.	4.0	29
41	Impairment of Motor Function Correlates with Neurometabolite and Brain Iron Alterations in Parkinson's Disease. <i>Cells</i> , 2019, 8, 96.	4.1	28
42	JNK Isoforms Differentially Regulate Neurite Growth and Regeneration in Dopaminergic Neurons In Vitro. <i>Journal of Molecular Neuroscience</i> , 2011, 45, 284-293.	2.3	27
43	Calpain-mediated cleavage of collapsin response mediator protein-2 drives acute axonal degeneration. <i>Scientific Reports</i> , 2016, 6, 37050.	3.3	27
44	Combined inhibition of Cdk5 and ROCK additively increase cell survival, but not the regenerative response in regenerating retinal ganglion cells. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 427-437.	2.2	26
45	Dynamics of Parkinson's Disease Multimodal Complex Treatment in Germany from 2010-2016: Patient Characteristics, Access to Treatment, and Formation of Regional Centers. <i>Cells</i> , 2019, 8, 151.	4.1	26
46	Hematopoietic Cytokines - on the Verge of Conquering Neurology. <i>Current Molecular Medicine</i> , 2007, 7, 157-170.	1.3	25
47	Propionic Acid and Fasudil as Treatment against Rotenone Toxicity in an In Vitro Model of Parkinson's Disease. <i>Molecules</i> , 2020, 25, 2502.	3.8	25
48	Selenium speciation analysis in the cerebrospinal fluid of patients with Parkinson's disease. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 57, 126412.	3.0	23
49	Elemental fingerprint: Reassessment of a cerebrospinal fluid biomarker for Parkinson's disease. <i>Neurobiology of Disease</i> , 2020, 134, 104677.	4.4	23
50	Parkinson's Disease Multimodal Complex Treatment improves motor symptoms, depression and quality of life. <i>Journal of Neurology</i> , 2020, 267, 954-965.	3.6	23
51	Blood-based biomarker in Parkinson's disease: potential for future applications in clinical research and practice. <i>Journal of Neural Transmission</i> , 2022, 129, 1201-1217.	2.8	23
52	Acute axonal degeneration in vivo is attenuated by inhibition of autophagy in a calcium-dependent manner. <i>Autophagy</i> , 2010, 6, 658-659.	9.1	22
53	Reversible Immuno-Infrared Sensor for the Detection of Alzheimer's Disease Related Biomarkers. <i>ACS Sensors</i> , 2019, 4, 1851-1856.	7.8	22
54	The rho kinase inhibitor Y-27632 improves motor performance in male SOD1G93A mice. <i>Frontiers in Neuroscience</i> , 2014, 8, 304.	2.8	21

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55	Alpha-synuclein mutations impair axonal regeneration in models of Parkinson's disease. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 239.	3.4	20
56	Specialized Staff for the Care of People with Parkinson's Disease in Germany: An Overview. <i>Journal of Clinical Medicine</i> , 2020, 9, 2581.	2.4	20
57	Imaging of rat optic nerve axons in vivo. <i>Nature Protocols</i> , 2011, 6, 1887-1896.	12.0	19
58	Motor, cognitive and mobility deficits in 1000 geriatric patients: protocol of a quantitative observational study before and after routine clinical geriatric treatment – the ComOn-study. <i>BMC Geriatrics</i> , 2020, 20, 45.	2.7	19
59	TDP43 as structure-based biomarker in amyotrophic lateral sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 271-277.	3.7	17
60	Brainstem Raphe Alterations in TCS: A Biomarker for Depression and Apathy in Parkinson's Disease Patients. <i>Frontiers in Neurology</i> , 2018, 9, 645.	2.4	15
61	Lentiform Nucleus Hyperechogenicity in Parkinsonian Syndromes: A Systematic Review and Meta-Analysis with Consideration of Molecular Pathology. <i>Cells</i> , 2020, 9, 2.	4.1	15
62	Recommendations for Standards of Network Care for Patients with Parkinson's Disease in Germany. <i>Journal of Clinical Medicine</i> , 2020, 9, 1455.	2.4	15
63	Clinical Testing and Spinal Cord Removal in a Mouse Model for Amyotrophic Lateral Sclerosis (ALS). <i>Journal of Visualized Experiments</i> , 2012, , .	0.3	14
64	Landscape of pain in Parkinson's disease: impact of gender differences. <i>Neurological Research</i> , 2019, 41, 87-97.	1.3	13
65	Structured Care and Self-Management Education for Persons with Parkinson's Disease: Why the First Does Not Go without the Second – Systematic Review, Experiences and Implementation Concepts from Sweden and Germany. <i>Journal of Clinical Medicine</i> , 2020, 9, 2787.	2.4	13
66	Analysis of nationwide multimodal complex treatment and drug pump therapy in Parkinson's disease in times of COVID-19 pandemic in Germany. <i>Parkinsonism and Related Disorders</i> , 2021, 85, 109-113.	2.2	12
67	Dyskinesia in multiple system atrophy and progressive supranuclear palsy. <i>Journal of Neural Transmission</i> , 2019, 126, 925-932.	2.8	11
68	Resource Utilization of Patients with Parkinson's Disease in the Late Stages of the Disease in Germany: Data from the CLaSP Study. <i>Pharmacoeconomics</i> , 2021, 39, 601-615.	3.3	11
69	A Propagated Skeleton Approach to High Throughput Screening of Neurite Outgrowth for In Vitro Parkinson's Disease Modelling. <i>Cells</i> , 2021, 10, 931.	4.1	10
70	Multiple sclerosis is not associated with an increased risk for severe COVID-19: a nationwide retrospective cross-sectional study from Germany. <i>Neurological Research and Practice</i> , 2021, 3, 42.	2.0	10
71	Coronal Transcranial Sonography and Mode Tremor Frequency Determination in Parkinson's Disease and Essential Tremor. <i>Journal of Neuroimaging</i> , 2017, 27, 524-530.	2.0	9
72	High-Resolution Nerve Ultrasound and Electrophysiological Findings in Restless Legs Syndrome. <i>Journal of Neuroimaging</i> , 2018, 28, 506-514.	2.0	9

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73	Short-chain fatty acids in the context of Parkinson's disease. <i>Neural Regeneration Research</i> , 2021, 16, 2015.	3.0	9
74	Fingolimod for Irradiation-Induced Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2019, 13, 699.	2.8	8
75	Parkinson's Disease Multimodal Complex Treatment (PD-MCT): Analysis of Therapeutic Effects and Predictors for Improvement. <i>Journal of Clinical Medicine</i> , 2020, 9, 1874.	2.4	8
76	The impact of the COVID-19 pandemic on hospitalizations and plasmapheresis therapy in multiple sclerosis and neuromyelitis optica spectrum disorder: a nationwide analysis from Germany. <i>Therapeutic Advances in Neurological Disorders</i> , 2021, 14, 175628642110306.	3.5	8
77	Immediate-release/extended-release amantadine (OS320) to treat Parkinson's disease with levodopa-induced dyskinesia: Analysis of the randomized, controlled ALLAY-LID studies. <i>Parkinsonism and Related Disorders</i> , 2022, 96, 65-73.	2.2	8
78	Dynamics of device-based treatments for Parkinson's disease in Germany from 2010 to 2017: application of continuous subcutaneous apomorphine, levodopa-carbidopa intestinal gel, and deep brain stimulation. <i>Journal of Neural Transmission</i> , 2019, 126, 879-888.	2.8	7
79	SARS-CoV-2, COVID-19 and Parkinson's Disease – Many Issues Need to Be Clarified – A Critical Review. <i>Brain Sciences</i> , 2022, 12, 456.	2.3	7
80	Letter to the editor: risk comorbidities of COVID-19 in Parkinson's disease patients in Germany. <i>Neurological Research and Practice</i> , 2020, 2, 22.	2.0	6
81	Building a Parkinson-Network – Experiences from Germany. <i>Journal of Clinical Medicine</i> , 2020, 9, 2743.	2.4	6
82	Correlates of polyneuropathy in Parkinson's disease. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 1898-1907.	3.7	5
83	Hospital Admissions for Neurodegenerative Diseases during the First Wave of the COVID-19 Pandemic: A Nationwide Cross-Sectional Study from Germany. <i>Brain Sciences</i> , 2021, 11, 1219.	2.3	4
84	Septic embolic encephalitis after <i>Staphylococcus aureus</i> endocarditis of a prosthetic valve in a 57-year-old woman: a case report. <i>Cases Journal</i> , 2009, 2, 6653.	0.4	3
85	Emergence of Bruxism after Reducing Left Pallidal Stimulation in a Patient with Huntington's Disease. <i>Movement Disorders Clinical Practice</i> , 2020, 7, 704-705.	1.5	3
86	Hospitalization Rates and Comorbidities in Patients with Progressive Supranuclear Palsy in Germany from 2010 to 2017. <i>Journal of Clinical Medicine</i> , 2020, 9, 2454.	2.4	3
87	Antibody-based immunotherapies for Parkinsonian syndromes. <i>Neural Regeneration Research</i> , 2019, 14, 1903.	3.0	3
88	CSF Sample Preparation for Data-Independent Acquisition. <i>Methods in Molecular Biology</i> , 2019, 2044, 61-67.	0.9	2
89	Disease modifying treatment trials in Parkinson's disease: how to balance expectations and interests of patients, physicians and industry partners?. <i>Neurological Research and Practice</i> , 2020, 2, 31.	2.0	2
90	Brainstem Encephalitis With Low-Titer Acetylcholine Receptor Antibodies Mimicking Myasthenia Gravis. <i>Frontiers in Neurology</i> , 2019, 10, 829.	2.4	1

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91	Comment on: A 57-Year-Old Woman With Progressive Left Hand Clumsiness and Falls. Movement Disorders Clinical Practice, 2020, 7, 579-580.	1.5	1
92	Prevalence and Characteristics of Polyneuropathy in Atypical Parkinsonian Syndromes: An Explorative Study. Brain Sciences, 2021, 11, 879.	2.3	1
93	Monogenetic Forms of Parkinson's Disease – Bridging the Gap Between Genetics and Biomarkers. Frontiers in Aging Neuroscience, 2022, 14, 822949.	3.4	1
94	COVID-19 outcomes in hospitalized Parkinson's disease patients in two pandemic waves in 2020: a nationwide cross-sectional study from Germany. Neurological Research and Practice, 2022, 4, .	2.0	1
95	SARS-CoV-2, COVID-19 and Neurodegeneration. Brain Sciences, 2022, 12, 897.	2.3	1
96	Residents as teachers in Neurology: a Germany-wide survey on the involvement of neurological residents in clinical teaching. Neurological Research and Practice, 2022, 4, 17.	2.0	0