Christoph Scherfler

List of Publications by Year
in descending order

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104 papers	4,923 citations	81900 39 h-index	98798 67 g-index
104 all docs	104 docs citations	104 times ranked	5342 citing authors

#	Article	IF	Citations
1	The Human Premotor Cortex Is 'Mirror' Only for Biological Actions. Current Biology, 2004, 14, 117-120.	3.9	285
2	Red flags for multiple system atrophy. Movement Disorders, 2008, 23, 1093-1099.	3.9	215
3	Role of DATâ€SPECT in the diagnostic work up of Parkinsonism. Movement Disorders, 2007, 22, 1229-1238.	3.9	206
4	White and gray matter abnormalities in idiopathic rapid eye movement sleep behavior disorder: A diffusionâ€tensor imaging and voxelâ€based morphometry study. Annals of Neurology, 2011, 69, 400-407.	5.3	203
5	Olfactory dysfunction predicts early transition to a Lewy body disease in idiopathic RBD. Neurology, 2015, 84, 654-658.	1.1	164
6	Prevalence and Burden of Gait Disorders in Elderly Men and Women Aged 60â€“97 Years: A Population-Based Study. PLoS ONE, 2013, 8, e69627.	2.5	151
7	Dopaminergic dysfunction in unrelated, asymptomatic carriers of a single parkin mutation. Neurology, 2005, 64, 134-136.	1.1	132
8	Progression of multiple system atrophy (MSA): A prospective natural history study by the European MSA Study Group (EMSA SG). Movement Disorders, 2006, 21, 179-186.	3.9	126
9	Neurological outcome and quality of life 3Âmonths after COVIDâ€19: A prospective observational cohort study. European Journal of Neurology, 2021, 28, 3348-3359.	3.3	126
10	Impaired dopaminergic neurotransmission in patients with traumatic brain injury: a SPET study using 123I-Î²-CIT and 123I-IBZM. European Journal of Nuclear Medicine and Molecular Imaging, 2000, 27, 1410-1414.	2.1	125
11	Dorsolateral nigral hyperintensity on 3.0T susceptibilityâ€weighted imaging in neurodegenerative Parkinsonism. Movement Disorders, 2015, 30, 1068-1076.	3.9	125
12	Voxel-wise analysis of diffusion weighted imaging reveals disruption of the olfactory tract in Parkinson's disease. Brain, 2006, 129, 538-542.	7.6	120
13	Voxel-wise analysis of [123I]Î²-CIT SPECT differentiates the Parkinson variant of multiple system atrophy from idiopathic Parkinson's disease. Brain, 2005, 128, 1605-1612.	7.6	115
14	Progression of brain atrophy in multiple system atrophy. Journal of Neurology, 2007, 254, 191-196.	3.6	108
15	Striatal and cortical pre- and postsynaptic dopaminergic dysfunction in sporadic parkin-linked parkinsonism. Brain, 2004, 127, 1332-1342.	7.6	104
16	Healthâ€related quality of life in multiple system atrophy. Movement Disorders, 2006, 21, 809-815.	3.9	102
17	Progression of putaminal degeneration in multiple system atrophy: A serial diffusion MR study. NeuroImage, 2006, 31, 240-245.	4.2	98
18	Left hemispheric predominance of nigrostriatal dysfunction in Parkinsonâ€™s disease. Brain, 2012, 135, 3348-3354.	7.6	95

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19	Mortality in Parkinson's disease: A 38â€year followâ€up study. Movement Disorders, 2015, 30, 266-269.	3.9	95
20	Diffusion weighted imaging best discriminates PD from MSAâ€P: A comparison with tilt table testing and heart MIBG scintigraphy. Movement Disorders, 2007, 22, 1771-1776.	3.9	92
21	Loss of dorsolateral nigral hyperintensity on 3.0 tesla susceptibilityâ€weighted imaging in idiopathic rapid eye movement sleep behavior disorder. Annals of Neurology, 2016, 79, 1026-1030.	5.3	90
22	Diagnostic potential of automated subcortical volume segmentation in atypical parkinsonism. Neurology, 2016, 86, 1242-1249.	1.1	89
23	Comparison of diffusionâ€weighted imaging and [¹²³I]IBZMâ€SPECT for the differentiation of patients with the Parkinson variant of multiple system atrophy from those with Parkinson's disease. Movement Disorders, 2004, 19, 1438-1445.	3.9	86
24	Diagnostic accuracy of the magnetic resonance Parkinsonism index and the midbrainâ€toâ€pontine area ratio to differentiate progressive supranuclear palsy from Parkinson's disease and the Parkinson variant of multiple system atrophy. Movement Disorders, 2010, 25, 2444-2449.	3.9	74
25	Cortical atrophy in the cerebellar variant of multiple system atrophy: A voxelâ€based morphometry study. Movement Disorders, 2006, 21, 159-165.	3.9	67
26	Sniffing the diagnosis: Olfactory testing in neurodegenerative parkinsonism. Parkinsonism and Related Disorders, 2017, 35, 36-41.	2.2	67
27	The reorganization of functional architecture in the early-stages of Parkinson's disease. Parkinsonism and Related Disorders, 2018, 50, 61-68.	2.2	64
28	Topography of putaminal degeneration in multiple system atrophy: A diffusion magnetic resonance study. Movement Disorders, 2006, 21, 847-852.	3.9	62
29	Topography of Dopamine Transporter Availability in Progressive Supranuclear Palsy. Archives of Neurology, 2006, 63, 1154.	4.5	59
30	Complex motor disturbances in a sequential double lesion rat model of striatonigral degeneration (multiple system atrophy). Neuroscience, 2000, 99, 43-54.	2.3	55
31	Correlation of dopaminergic terminal dysfunction and microstructural abnormalities of the basal ganglia and the olfactory tract in Parkinsonâ€™s disease. Brain, 2013, 136, 3028-3037.	7.6	52
32	Simultaneous Intrastriatal 6-Hydroxydopamine and Quinolinic Acid Injection: A Model of Early-Stage Striatonigral Degeneration. Experimental Neurology, 2001, 167, 133-147.	4.1	51
33	Evaluation of Striatal Dopamine Transporter Function in Rats by in Vivo Î²-[123I]CIT Pinhole SPECT. NeuroImage, 2002, 17, 128-141.	4.2	49
34	Role of dopamine transporter imaging in investigation of parkinsonian syndromes in routine clinical practice. Movement Disorders, 2003, 18, S16-S21.	3.9	49
35	The diagnostic accuracy of the hummingbird and morning glory sign in patients with neurodegenerative parkinsonism. Parkinsonism and Related Disorders, 2018, 54, 90-94.	2.2	49
36	White and Gray Matter Abnormalities in Narcolepsy with Cataplexy. Sleep, 2012, 35, 345-351.	1.1	46

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37	Parkinsonism and nigrostriatal dysfunction are associated with spinocerebellar ataxia type 6 (SCA6). Movement Disorders, 2005, 20, 1115-1119.	3.9	45
38	MR planimetry in neurodegenerative parkinsonism yields high diagnostic accuracy for PSP. Parkinsonism and Related Disorders, 2018, 46, 47-55.	2.2	45
39	Nigrostriatal dysfunction in homozygous and heterozygous parkin gene carriers: An ¹⁸Fâ€dopa PET progression study. Movement Disorders, 2009, 24, 2260-2266.	3.9	44
40	Progression of dopamine transporter decline in patients with the Parkinson variant of multiple system atrophy: a voxel-based analysis of [123I]Î²-CIT SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1012-1020.	6.4	40
41	Towards Neurotransplantation in Multiple System Atrophy: Clinical Rationale, Pathophysiological Basis, and Preliminary Experimental Evidence. Cell Transplantation, 2000, 9, 279-288.	2.5	37
42	Morphometric MRI profiles of multiple system atrophy variants and implications for differential diagnosis. Movement Disorders, 2019, 34, 1041-1048.	3.9	36
43	No functional effects of embryonic neuronal grafts on motor deficits in a 3-nitropropionic acid rat model of advanced striatonigral degeneration (multiple system atrophy). Neuroscience, 2001, 102, 581-592.	2.3	34
44	Riluzole improves motor deficits and attenuates loss of striatal neurons in a sequential double lesion rat model of striatonigral degeneration (parkinson variant of multiple system atrophy). Journal of Neural Transmission, 2005, 112, 1025-1033.	2.8	34
45	Upregulation of dopamine D₂ receptors in dopaminergic drugâ€naive patients with parkin gene mutations. Movement Disorders, 2006, 21, 783-788.	3.9	34
46	Dopamine transporter SPECT: How to remove subjectivity?. Movement Disorders, 2009, 24, S721-4.	3.9	33
47	Autoradiographic study of striatal dopamine re-uptake sites and dopamine D1 and D2 receptors in a 6-hydroxydopamine and quinolinic acid double-lesion rat model of striatonigral degeneration (multiple system atrophy) and effects of embryonic ventral mesencephalic, striatal or co-grafts. Neuroscience, 1999, 95, 377-388.	2.3	32
48	Visualization of nigrosome 1 and its loss in PD: Pathoanatomical correlation and in vivo 7T MRI. Neurology, 2014, 82, 1752-1752.	1.1	32
49	Gray matter abnormalities of the dorsal posterior cingulate in sleep walking. Sleep Medicine, 2017, 36, 152-155.	1.6	29
50	Multimodal Magnetic Resonance Imaging reveals alterations of sensorimotor circuits in restless legs syndrome. Sleep, 2019, 42, .	1.1	29
51	Substantia Nigra Hyperechogenicity as a Marker for Parkinson's Disease: A Population-Based Study. Neurodegenerative Diseases, 2013, 12, 212-218.	1.4	28
52	Effects of riluzole on combined MPTP?+?3-nitropropionic acid-induced mild to moderate striatonigral degeneration in mice. Journal of Neural Transmission, 2005, 112, 613-631.	2.8	27
53	Effects of subthalamic nucleus stimulation on striatal dopaminergic transmission in patients with Parkinsonâ€™s disease within one-year follow-up. Journal of Neurology, 2008, 255, 1059-1066.	3.6	27
54	A novel computer-assisted image analysis of [123I]Î²-CIT SPECT images improves the diagnostic accuracy of parkinsonian disorders. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 702-710.	6.4	27

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55	Diagnostic potential of dentatorubrothalamic tract analysis in progressive supranuclear palsy. Parkinsonism and Related Disorders, 2018, 49, 81-87.	2.2	27
56	Brain Structure and Degeneration Staging in Friedreich Ataxia: <scp>Magnetic Resonance Imaging</scp> Volumetrics from the <scp>ENIGMAâ€Ataxia</scp> Working Group. Annals of Neurology, 2021, 90, 570-583.	5.3	27
57	In vivo assessment of brain monoamine systems in parkin gene carriers: A PET study. Experimental Neurology, 2010, 222, 120-124.	4.1	25
58	Evaluation of [123I]IBZM pinhole SPECT for the detection of striatal dopamine D2 receptor availability in rats. NeuroImage, 2005, 24, 822-831.	4.2	24
59	Functional connectivity and topology in patients with restless legs syndrome: a caseâ€“control restingâ€state functional magnetic resonance imaging study. European Journal of Neurology, 2021, 28, 448-458.	3.3	24
60	An antibody microarray analysis of serum cytokines in neurodegenerative Parkinsonian syndromes. Proteome Science, 2012, 10, 71.	1.7	22
61	Early distinction of Parkinsonâ€variant multiple system atrophy from Parkinson's disease. Movement Disorders, 2019, 34, 440-441.	3.9	21
62	Nigral degeneration and striatal dopaminergic dysfunction in idiopathic andparkin-linked Parkinson's disease. Movement Disorders, 2006, 21, 299-305.	3.9	18
63	Factors associated with impaired quality of life three months after being diagnosed with COVID-19. Quality of Life Research, 2022, 31, 1401-1414.	3.1	18
64	A follow-up study of substantia nigra echogenicity in healthy adults. Movement Disorders, 2012, 27, 1196-1197.	3.9	17
65	Substantia nigra hyperechogenicity and Parkinson's disease risk in patients with essential tremor. Movement Disorders, 2016, 31, 579-583.	3.9	17
66	Failure of Neuroprotection by Embryonic Striatal Grafts in a Double Lesion Rat Model of Striatonigral Degeneration (Multiple System Atrophy). Experimental Neurology, 2000, 164, 166-175.	4.1	16
67	Diagnostic accuracy of MR planimetry in clinically unclassifiable parkinsonism. Parkinsonism and Related Disorders, 2021, 82, 87-91.	2.2	16
68	Diagnostic Potential of Multimodal MRI Markers in Atypical Parkinsonian Disorders. Journal of Parkinson's Disease, 2019, 9, 681-691.	2.8	15
69	Automated Analysis of Diffusionâ€Weighted <scp>Magnetic Resonance Imaging</scp> for the Differential Diagnosis of Multiple System Atrophy from Parkinson's Disease. Movement Disorders, 2021, 36, 241-245.	3.9	15
70	Intracerebral Iron Accumulation may be Associated with Secondary Brain Injury in Patients with Poor Grade Subarachnoid Hemorrhage. Neurocritical Care, 2022, 36, 171-179.	2.4	15
71	Potential of Diffusion Tensor Imaging and Relaxometry for the Detection of Specific Pathological Alterations in Parkinson's Disease (PD). PLoS ONE, 2015, 10, e0145493.	2.5	14
72	Impairment of odor discrimination and identification is associated with disability progression and gray matter atrophy of the olfactory system in MS. Multiple Sclerosis Journal, 2020, 26, 706-715.	3.0	14

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73	In Vivo Magnetic Resonance Imaging of Embryonic Neural Grafts in a Rat Model of Striatonigral Degeneration (Multiple System Atrophy). NeuroImage, 2000, 12, 209-218.	4.2	12
74	Diagnostic potential of automated tractography in progressive supranuclear palsy variants. Parkinsonism and Related Disorders, 2020, 72, 65-71.	2.2	11
75	Effects of Cognitive Functioning and Education on Later-Life Health Numeracy. Gerontology, 2020, 66, 582-592.	2.8	10
76	Automated segmentation of deep brain nuclei using convolutional neural networks and susceptibility weighted imaging. Human Brain Mapping, 2021, 42, 4809-4822.	3.6	10
77	Neural transplantation in animal models of multiple system atrophy: a review. , 1999, 55, 103-113.		10
78	Second language learning induces grey matter volume increase in people with multiple sclerosis. PLoS ONE, 2019, 14, e0226525.	2.5	9
79	Subarachnoid Hemorrhage is Followed by Pituitary Gland Volume Loss: A Volumetric MRI Observational Study. Neurocritical Care, 2020, 32, 492-501.	2.4	9
80	Encephalitis lethargica following Bartonella henselae infection. Journal of Neurology, 2007, 254, 546-547.	3.6	8
81	1.5 Versus 3 tesla magnetic resonance planimetry in neurodegenerative parkinsonism. Movement Disorders, 2016, 31, 1925-1927.	3.9	8
82	Characterization and diagnostic potential of diffusion tractography in multiple system atrophy. Parkinsonism and Related Disorders, 2021, 85, 30-36.	2.2	8
83	Is an intact hippocampus necessary for answering 3â€Ã—â€3? â€“ Evidence from Alzheimerâ€™s disease. Brain and Cognition, 2019, 134, 1-8.	1.8	7
84	Cardiac sympathetic innervation in Parkinsonâ€™s disease versus multiple system atrophy. Clinical Autonomic Research, 2022, 32, 103-114.	2.5	7
85	Revisiting brain iron deficiency in restless legs syndrome using magnetic resonance imaging. NeuroImage: Clinical, 2022, 34, 103024.	2.7	7
86	Occupation-related effects on motor cortex thickness among older, cognitive healthy individuals. Brain Structure and Function, 2021, 226, 1023-1030.	2.3	6
87	Increased behavioral inhibition trait and negative stress coping in nonâ€“rapid eye movement parasomnias. Journal of Clinical Sleep Medicine, 2020, 16, 1737-1744.	2.6	5
88	Epileptic aphasia â€“ A critical appraisal. Epilepsy and Behavior, 2021, 121, 108064.	1.7	5
89	Anatomically Standardized Detection of MRI Atrophy Patterns in Early-Stage Alzheimerâ€™s Disease. Brain Sciences, 2021, 11, 1491.	2.3	5
90	Serum NfL in Alzheimer Dementia: Results of the Prospective Dementia Registry Austria. Medicina (Lithuania), 2022, 58, 433.	2.0	5

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91	Characterization and diagnostic potential of R2* in early-stage progressive supranuclear palsy variants. Parkinsonism and Related Disorders, 2022, 101, 43-48.	2.2	5
92	Very lateâ€onset pure autonomic failure. Movement Disorders, 2017, 32, 1106-1108.	3.9	4
93	Topography of Dopamine Transporter Availability in the Cerebellar Variant of Multiple System Atrophy. Movement Disorders Clinical Practice, 2017, 4, 389-396.	1.5	4
94	Arithmetic learning in advanced age. PLoS ONE, 2018, 13, e0193529.	2.5	3
95	Topography of cerebral monoamine transporter availability in families with SCA2 mutations: a voxel-wise [123I]Î²-CIT SPECT analysis. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 1084-1090.	6.4	2
96	The role of exposure to pesticides in the etiology of Parkinsonâ€™s disease: a 18F-DOPA positron emission tomography study. Journal of Neural Transmission, 2019, 126, 159-166.	2.8	2
97	Cognitive reserve does not support the retrieval of well-known proper names in older people.. Neuropsychology, 2020, 34, 667-674.	1.3	2
98	<scp>HFPâ€QSMGAN</scp> : QSM from homodyneâ€filtered phase images. Magnetic Resonance in Medicine, 2022, , .	3.0	2
99	Reply: Role of DAT SPECT in the diagnostic workâ€up of Parkinsonism. Movement Disorders, 2008, 23, 774-775.	3.9	1
100	Supplement neuroimaging movement disorders. Movement Disorders, 2009, 24, S655.	3.9	1
101	Small animal imaging using a conventional gamma camera exemplified in studies on the striatal dopaminergic system. Nuclear Medicine Review, 2006, 9, 6-11.	0.5	1
102	0673 Multimodal MRI Reveals Alterations Of Sensorimotor Circuits In Restless Legs Syndrome. Sleep, 2019, 42, A268-A270.	1.1	0
103	Dopaminergic Imaging in Parkinsonâ€™s Disease: SPECT. , 2011, , 11-20.		0
104	Qualitative and Quantitative Comparison of Hippocampal Volumetric Software Applications: Do All Roads Lead to Rome?. Biomedicines, 2022, 10, 432.	3.2	0