

Oury Monchi

List of Publications by Year in descending order

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114
papers

6,961
citations

71102

41
h-index

64796

79
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124
all docs

124
docs citations

124
times ranked

8783
citing authors

#	ARTICLE	IF	CITATIONS
1	Wisconsin Card Sorting Revisited: Distinct Neural Circuits Participating in Different Stages of the Task Identified by Event-Related Functional Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2001, 21, 7733-7741.	3.6	912
2	Contributions of the basal ganglia and functionally related brain structures to motor learning. <i>Behavioural Brain Research</i> , 2009, 199, 61-75.	2.2	606
3	Neural Bases of Set-Shifting Deficits in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2004, 24, 702-710.	3.6	316
4	Functional role of the basal ganglia in the planning and execution of actions. <i>Annals of Neurology</i> , 2006, 59, 257-264.	5.3	307
5	Dysfunction of the Default Mode Network in Parkinson Disease. <i>Archives of Neurology</i> , 2009, 66, 877-83.	4.5	243
6	Cortical activity in Parkinson's disease during executive processing depends on striatal involvement. <i>Brain</i> , 2006, 130, 233-244.	7.6	214
7	Dopamine Depletion Impairs Frontostriatal Functional Connectivity during a Set-Shifting Task. <i>Journal of Neuroscience</i> , 2008, 28, 3697-3706.	3.6	202
8	Mild cognitive impairment is linked with faster rate of cortical thinning in patients with Parkinson's disease longitudinally. <i>Brain</i> , 2014, 137, 1120-1129.	7.6	172
9	Theta burst stimulation-induced inhibition of dorsolateral prefrontal cortex reveals hemispheric asymmetry in striatal dopamine release during a set-shifting task – a TMS/[¹¹ C]raclopride PET study. <i>European Journal of Neuroscience</i> , 2008, 28, 2147-2155.	2.6	166
10	Patterns of cortical thickness and surface area in early Parkinson's disease. <i>NeuroImage</i> , 2011, 55, 462-467.	4.2	162
11	Therapeutic application of transcranial magnetic stimulation in Parkinson's disease: The contribution of expectation. <i>NeuroImage</i> , 2006, 31, 1666-1672.	4.2	154
12	Corticostriatal functional interactions in Parkinson's disease: a rTMS/[¹¹ C]raclopride PET study. <i>European Journal of Neuroscience</i> , 2005, 22, 2946-2952.	2.6	153
13	Mild Cognitive Impairment in Moderate to Severe COPD. <i>Chest</i> , 2012, 142, 1516-1523.	0.8	147
14	The impact of aging on gray matter structural covariance networks. <i>NeuroImage</i> , 2012, 63, 754-759.	4.2	123
15	Combined insular and striatal dopamine dysfunction are associated with executive deficits in Parkinson's disease with mild cognitive impairment. <i>Brain</i> , 2014, 137, 565-575.	7.6	116
16	The effect of dopamine therapy on ventral and dorsal striatum-mediated cognition in Parkinson's disease: support from functional MRI. <i>Brain</i> , 2011, 134, 1447-1463.	7.6	112
17	Striatal dopamine release during performance of executive functions: A [¹¹ C] raclopride PET study. <i>NeuroImage</i> , 2006, 33, 907-912.	4.2	109
18	Differential Effects of Dopaminergic Therapies on Dorsal and Ventral Striatum in Parkinson's Disease: Implications for Cognitive Function. <i>Parkinson's Disease</i> , 2011, 2011, 1-18.	1.1	96

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19	The role of high-field magnetic resonance imaging in parkinsonian disorders: Pushing the boundaries forward. <i>Movement Disorders</i> , 2017, 32, 510-525.	3.9	92
20	Patterns of cortical thinning in idiopathic rapid eye movement sleep behavior disorder. <i>Movement Disorders</i> , 2015, 30, 680-687.	3.9	83
21	Effect of mild cognitive impairment on the patterns of neural activity in early Parkinson's disease. <i>Neurobiology of Aging</i> , 2014, 35, 223-231.	3.1	82
22	Fronto-striatal Contribution to Lexical Set-Shifting. <i>Cerebral Cortex</i> , 2011, 21, 1084-1093.	2.9	76
23	Cortical and subcortical gray matter bases of cognitive deficits in REM sleep behavior disorder. <i>Neurology</i> , 2018, 90, e1759-e1770.	1.1	74
24	Plasma Neurofilament Light: A Marker of Neurodegeneration in Mild Behavioral Impairment. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 1017-1027.	2.6	68
25	Transcranial Magnetic and Direct Current Stimulation (TMS/tDCS) for the Treatment of Headache: A Systematic Review. <i>Headache</i> , 2019, 59, 339-357.	3.9	67
26	Color discrimination deficits in Parkinson's disease are related to cognitive impairment and white matter alterations. <i>Movement Disorders</i> , 2012, 27, 1781-1788.	3.9	66
27	Cortico-basal ganglia and cortico-cerebellar circuits in Parkinson's disease: Pathophysiology or compensation?. <i>Behavioral Neuroscience</i> , 2013, 127, 222-236.	1.2	61
28	Regional Brain Stem Atrophy in Idiopathic Parkinson's Disease Detected by Anatomical MRI. <i>PLoS ONE</i> , 2009, 4, e8247.	2.5	60
29	Basal ganglia and frontal involvement in self-generated and externally-triggered finger movements in the dominant and non-dominant hand. <i>European Journal of Neuroscience</i> , 2009, 29, 1277-1286.	2.6	60
30	Increased dopamine release in the right anterior cingulate cortex during the performance of a sorting task: A [11C]FLB 457 PET study. <i>NeuroImage</i> , 2009, 46, 516-521.	4.2	60
31	Transcranial magnetic stimulation improves cognition over time in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 66, 3-8.	2.2	58
32	Mild cognitive impairment in patients with Parkinson's disease is associated with increased cortical degeneration. <i>Movement Disorders</i> , 2013, 28, 1360-1369.	3.9	54
33	Prefrontal dopaminergic receptor abnormalities and executive functions in Parkinson's disease. <i>Human Brain Mapping</i> , 2013, 34, 1591-1604.	3.6	52
34	Neuroimaging studies of the striatum in cognition Part I: healthy individuals. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 140.	2.5	52
35	Contribution of language studies to the understanding of cognitive impairment and its progression over time in Parkinson's disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 80, 657-672.	6.1	51
36	Abnormal Gray Matter Shape, Thickness, and Volume in the Motor Cortico-Subcortical Loop in Idiopathic Rapid Eye Movement Sleep Behavior Disorder: Association with Clinical and Motor Features. <i>Cerebral Cortex</i> , 2018, 28, 658-671.	2.9	51

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37	Load-dependent posteriorâ€“anterior shift in aging in complex visual selective attention situations. <i>Brain Research</i> , 2012, 1454, 14-22.	2.2	49
38	Parkinson's disease duration determines effect of dopaminergic therapy on ventral striatum function. <i>Movement Disorders</i> , 2013, 28, 153-160.	3.9	49
39	Application of calibrated fMRI in Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2017, 15, 348-358.	2.7	48
40	Treatment of Persistent Post-Traumatic Headache and Post-Concussion Symptoms Using Repetitive Transcranial Magnetic Stimulation: A Pilot, Double-Blind, Randomized Controlled Trial. <i>Journal of Neurotrauma</i> , 2020, 37, 312-323.	3.4	48
41	L-Dopa Medication in Parkinson's Disease Restores Activity in the Motor Cortico-Striatal Loop but Does Not Modify the Cognitive Network. <i>PLoS ONE</i> , 2009, 4, e6154.	2.5	47
42	Mild behavioral impairment is linked to worse cognition and brain atrophy in Parkinson disease. <i>Neurology</i> , 2019, 93, e766-e777.	1.1	45
43	Theta band high definition transcranial alternating current stimulation, but not transcranial direct current stimulation, improves associative memory performance. <i>Scientific Reports</i> , 2019, 9, 8562.	3.3	45
44	Function of basal ganglia in bridging cognitive and motor modules to perform an action. <i>Frontiers in Neuroscience</i> , 2014, 8, 187.	2.8	44
45	Brain atrophy in Parkinsonâ€™s disease with polysomnography-confirmed REM sleep behavior disorder. <i>Sleep</i> , 2019, 42, .	1.1	41
46	Markers of cognitive decline in PD: The case for heterogeneity. <i>Parkinsonism and Related Disorders</i> , 2016, 24, 8-14.	2.2	38
47	Dissociating the role of the caudate nucleus and dorsolateral prefrontal cortex in the monitoring of events within human working memory. <i>European Journal of Neuroscience</i> , 2010, 32, 873-880.	2.6	37
48	Differential Effects of Parkinson's Disease and Dopamine Replacement on Memory Encoding and Retrieval. <i>PLoS ONE</i> , 2013, 8, e74044.	2.5	36
49	The Quebec Parkinson Network: A Researcher-Patient Matching Platform and Multimodal Biorepository. <i>Journal of Parkinson's Disease</i> , 2020, 10, 301-313.	2.8	35
50	The implications of age-related neurofunctional compensatory mechanisms in executive function and language processing including the new Temporal Hypothesis for Compensation. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 221.	2.0	34
51	Repetitive Transcranial Magnetic Stimulation of Dorsolateral Prefrontal Cortex Affects Performance of the Wisconsin Card Sorting Task during Provision of Feedback. <i>International Journal of Biomedical Imaging</i> , 2008, 2008, 1-7.	3.9	33
52	Neuroimaging studies of striatum in cognition part II: Parkinson's disease. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 138.	2.5	33
53	Report from a multidisciplinary meeting on anxiety as a non-motor manifestation of Parkinsonâ€™s disease. <i>Npj Parkinson's Disease</i> , 2019, 5, 30.	5.3	32
54	Striatal and Hippocampal Involvement in Motor Sequence Chunking Depends on the Learning Strategy. <i>PLoS ONE</i> , 2014, 9, e103885.	2.5	31

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55	Neuroimaging biomarkers for clinical trials in atypical parkinsonian disorders: Proposal for a Neuroimaging Biomarker Utility System. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 301-309.	2.4	30
56	Dopamine transporter SLC6A3 genotype affects cortico-striatal activity of set-shifts in Parkinson's disease. <i>Brain</i> , 2014, 137, 3025-3035.	7.6	28
57	Increased topographical variability of task-related activation in perceptive and motor associative regions in adult autistics. <i>NeuroImage: Clinical</i> , 2014, 4, 444-453.	2.7	28
58	Depressive symptoms in Parkinson's disease correlate with cortical atrophy over time. <i>Brain and Cognition</i> , 2017, 111, 127-133.	1.8	28
59	A Prodromal Brain's Clinical Pattern of Cognition in Synucleinopathies. <i>Annals of Neurology</i> , 2021, 89, 341-357.	5.3	28
60	Mild behavioral impairment in Parkinson's disease is associated with altered corticostriatal connectivity. <i>NeuroImage: Clinical</i> , 2020, 26, 102252.	2.7	25
61	Common Effects of Amnesic Mild Cognitive Impairment on Resting-State Connectivity Across Four Independent Studies. <i>Frontiers in Aging Neuroscience</i> , 2015, 7, 242.	3.4	24
62	Network basis of the dysexecutive and posterior cortical cognitive profiles in Parkinson's disease. <i>Movement Disorders</i> , 2019, 34, 893-902.	3.9	24
63	Coping with task demand in aging using neural compensation and neural reserve triggers primarily intra-hemispheric-based neurofunctional reorganization. <i>Neuroscience Research</i> , 2013, 75, 295-304.	1.9	23
64	Examining dorsal striatum in cognitive effort using Parkinson's disease and fMRI. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 390-400.	3.7	21
65	Common and rare GCH1 variants are associated with Parkinson's disease. <i>Neurobiology of Aging</i> , 2019, 73, 231.e1-231.e6.	3.1	20
66	Cerebral Metabolic Changes Related to Freezing of Gait in Parkinson Disease. <i>Journal of Nuclear Medicine</i> , 2019, 60, 671-676.	5.0	20
67	Spiking neurons, dopamine, and plasticity: Timing is everything, but concentration also matters. <i>Synapse</i> , 2007, 61, 375-390.	1.2	19
68	Association study of DNAJC13, UCHL1, HTRA2, GIGYF2, and EIF4G1 with Parkinson's disease. <i>Neurobiology of Aging</i> , 2021, 100, 119.e7-119.e13.	3.1	19
69	Theta-Burst Stimulation for Cognitive Enhancement in Parkinson's Disease With Mild Cognitive Impairment: A Randomized, Double-Blind, Sham-Controlled Trial. <i>Frontiers in Neurology</i> , 2020, 11, 584374.	2.4	19
70	Comprehensive Analysis of Brain Volume in REM Sleep Behavior Disorder with Mild Cognitive Impairment. <i>Journal of Parkinson's Disease</i> , 2022, 12, 229-241.	2.8	18
71	Asymmetrical Effect of Levodopa on the Neural Activity of Motor Regions in PD. <i>PLoS ONE</i> , 2014, 9, e111600.	2.5	17
72	Changes in Regional and Temporal Patterns of Activity Associated with Aging during the Performance of a Lexical Set-Shifting Task. <i>Cerebral Cortex</i> , 2012, 22, 1395-1406.	2.9	15

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73	Exploration of the dynamics between brain regions associated with the default-mode network and frontostriatal pathway with regards to task familiarity. <i>European Journal of Neuroscience</i> , 2015, 41, 835-844.	2.6	14
74	Probable REM sleep behavior disorder is associated with longitudinal cortical thinning in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 19.	5.3	14
75	Patterns of Longitudinal Neural Activity Linked to Different Cognitive Profiles in Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 275.	3.4	13
76	Variants in the Niemann-Pick type C gene NPC1 are not associated with Parkinson's disease. <i>Neurobiology of Aging</i> , 2020, 93, 143.e1-143.e4.	3.1	13
77	Association Between BDNF Val66Met Polymorphism and Mild Behavioral Impairment in Patients With Parkinson's Disease. <i>Frontiers in Neurology</i> , 2020, 11, 587992.	2.4	13
78	Microstructural Abnormalities of the Dentatorubrothalamic Tract in Cervical Dystonia. <i>Movement Disorders</i> , 2021, 36, 2192-2198.	3.9	13
79	Neuroimaging studies of different cognitive profiles in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2012, 18, S77-S79.	2.2	12
80	A new lexical card-sorting task for studying fronto-striatal contribution to processing language rules. <i>Brain and Language</i> , 2013, 125, 295-306.	1.6	12
81	Gray matter substrates of depressive and anxiety symptoms in idiopathic REM sleep behavior disorder. <i>Parkinsonism and Related Disorders</i> , 2019, 62, 163-170.	2.2	12
82	Preoperative Transcranial Direct Current Stimulation in Glioma Patients: A Proof of Concept Pilot Study. <i>Frontiers in Neurology</i> , 2020, 11, 593950.	2.4	12
83	Impact of Peritumoral Edema During Tumor Treatment Field Therapy: A Computational Modelling Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 3327-3338.	4.2	12
84	Clinical perception and management of Parkinson's disease during the COVID-19 pandemic: A Canadian experience. <i>Parkinsonism and Related Disorders</i> , 2021, 91, 66-76.	2.2	12
85	Differences between Patterns of Brain Activity Associated with Semantics and Those Linked with Phonological Processing Diminish with Age. <i>PLoS ONE</i> , 2014, 9, e99710.	2.5	12
86	Imaging neural correlates of mild cognitive impairment in Parkinson's disease. <i>Lancet Neurology</i> , The, 2012, 11, 653-655.	10.2	11
87	Structural Neuroimaging Markers of Cognitive Decline in Parkinson's Disease. <i>Parkinson's Disease</i> , 2016, 2016, 1-8.	1.1	11
88	White matter degeneration profile in the cognitive cortico-subcortical tracts in Parkinson's disease. <i>Movement Disorders</i> , 2018, 33, 1139-1150.	3.9	11
89	Investigating the Long-Lasting Residual Effect of a Set Shift on Frontostriatal Activity. <i>Cerebral Cortex</i> , 2012, 22, 2811-2819.	2.9	10
90	Interhemispheric coupling improves the brain's ability to perform low cognitive demand tasks in Alzheimer's disease and high cognitive demand tasks in normal aging.. <i>Neuropsychology</i> , 2013, 27, 464-480.	1.3	10

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91	Why Is Aging a Risk Factor for Cognitive Impairment in Parkinson's Disease?â€”A Resting State fMRI Study. <i>Frontiers in Neurology</i> , 2019, 10, 267.	2.4	10
92	Common and unique connectivity at the interface of motor, neuropsychiatric, and cognitive symptoms in Parkinson's disease: A commonality analysis. <i>Human Brain Mapping</i> , 2020, 41, 3749-3764.	3.6	10
93	Patterns of brain activity during a set-shifting task linked to mild behavioral impairment in Parkinsonâ€™s disease. <i>NeuroImage: Clinical</i> , 2021, 30, 102590.	2.7	10
94	Are Verbal Fluency and Nonliteral Language Comprehension Deficits Related to Depressive Symptoms in Parkinsonâ€™s Disease?. <i>Parkinson's Disease</i> , 2012, 2012, 1-8.	1.1	9
95	Age-Related Shift in Neuro-Activation during a Word-Matching Task. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 265.	3.4	9
96	More expertise for a better perspective: Task and strategy-driven adaptive neurofunctional reorganization for word production in high-performing older adults. <i>Aging, Neuropsychology, and Cognition</i> , 2019, 26, 190-221.	1.3	9
97	Remnants of Cardinal Symptoms of Parkinson's Disease, Not Dyskinesia, Are Problematic for Dyskinetic Patients Performing Activities of Daily Living. <i>Frontiers in Neurology</i> , 2019, 10, 256.	2.4	8
98	Investigating the relationship between the SNCA gene and cognitive abilities in idiopathic Parkinsonâ€™s disease using machine learning. <i>Scientific Reports</i> , 2021, 11, 4917.	3.3	8
99	The Contribution of Neuroimaging for the Study of Cognitive Deficits in Parkinson's Disease. <i>Clinical EEG and Neuroscience</i> , 2010, 41, 76-81.	1.7	7
100	Action fluency identifies different sex, age, global cognition, executive function and brain activation profile in non-demented patients with Parkinsonâ€™s disease. <i>Journal of Neurology</i> , 2021, 268, 1036-1049.	3.6	7
101	Increased neural efficiency in the temporal association cortex as the result of semantic task repetition. <i>Human Brain Mapping</i> , 2008, 29, 922-930.	3.6	6
102	Influence of Depressive Symptoms on Dopaminergic Treatment of Parkinson's Disease. <i>Frontiers in Neurology</i> , 2014, 5, 188.	2.4	6
103	Interaction Between Neuropsychiatric Symptoms and Cognitive Performance in Parkinsonâ€™s Disease: What Do Clinical and Neuroimaging Studies Tell Us?. <i>Current Neurology and Neuroscience Reports</i> , 2018, 18, 91.	4.2	6
104	The impact of traumatic brain injury on cognitive and neuropsychiatric symptoms of Parkinsonâ€™s disease. <i>International Review of Psychiatry</i> , 2020, 32, 46-60.	2.8	6
105	Age-Related Brain Activation Changes during Rule Repetition in Word-Matching. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 543.	2.0	4
106	Age Affects How Task Difficulty and Complexity Modulate Perceptual Decision-Making. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 28.	3.4	4
107	Parkinsonian Symptoms, Not Dyskinesia, Negatively Affect Active Life Participation of Dyskinetic Patients with Parkinsonâ€™s Disease. <i>Tremor and Other Hyperkinetic Movements</i> , 2020, 10, 20.	2.0	4
108	P4-118: CONNECTOME-WIDE ANALYSIS OF DIFFERENCES BETWEEN NORMAL AGING, MILD COGNITIVE IMPAIRMENT, AND DEMENTIA OF THE ALZHEIMER'S TYPE USING RESTING-STATE FMRI CONNECTIVITY. , 2014, 10, P827-P828.		2

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109	Reply: Is nucleus accumbens atrophy correlated with cognitive symptoms of Parkinson's disease?. Brain, 2015, 138, e320-e320.	7.6	2
110	A dataset of multiresolution functional brain parcellations in an elderly population with no or mild cognitive impairment. Data in Brief, 2016, 9, 1122-1129.	1.0	1
111	P1352: WHAT CAN THE MILD BEHAVIORAL IMPAIRMENT CHECKLIST (MBI) TELL US ABOUT COGNITION AND BEHAVIOR IN PARKINSON'S DISEASE?. Alzheimer's and Dementia, 2018, 14, P429.	0.8	1
112	Personal and Familial Psychiatric History Are Important Determinants of BPSD Clinical Presentation. American Journal of Geriatric Psychiatry, 2015, 23, S105-S106.	1.2	0
113	Sentence Comprehension and Action Fluency: Utility as Markers of Mild Cognitive Impairment in Parkinson's Disease. Frontiers in Human Neuroscience, 0, 12, .	2.0	0
114	Modulation by task-difficulty in the default mode network varies with the complexity of perpetual information during decision making. Frontiers in Human Neuroscience, 0, 13, .	2.0	0