

Anat Mirelman

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

9,521
citations

36203

51
h-index

45213

90
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163
all docs

163
docs citations

163
times ranked

9324
citing authors

#	ARTICLE	IF	CITATIONS
1	Executive Control Deficits as a Prodrome to Falls in Healthy Older Adults: A Prospective Study Linking Thinking, Walking, and Falling. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2010, 65A, 1086-1092.	1.7	374
2	Gait impairments in Parkinson's disease. <i>Lancet Neurology</i> , The, 2019, 18, 697-708.	4.9	374
3	Executive Function and Falls in Older Adults: New Findings from a Five-Year Prospective Study Link Fall Risk to Cognition. <i>PLoS ONE</i> , 2012, 7, e40297.	1.1	347
4	Addition of a non-immersive virtual reality component to treadmill training to reduce fall risk in older adults (V-TIME): a randomised controlled trial. <i>Lancet</i> , The, 2016, 388, 1170-1182.	6.3	328
5	Virtual Reality for Gait Training: Can It Induce Motor Learning to Enhance Complex Walking and Reduce Fall Risk in Patients With Parkinson's Disease?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011, 66A, 234-240.	1.7	300
6	Differential effects of severe vs mild <i>LRRK2</i> mutations on Parkinson disease. <i>Neurology</i> , 2015, 84, 880-887.	1.5	277
7	Effects of Training With a Robot-Virtual Reality System Compared With a Robot Alone on the Gait of Individuals After Stroke. <i>Stroke</i> , 2009, 40, 169-174.	1.0	260
8	How Does Explicit Prioritization Alter Walking During Dual-Task Performance? Effects of Age and Sex on Gait Speed and Variability. <i>Physical Therapy</i> , 2010, 90, 177-186.	1.1	250
9	The interplay between gait, falls and cognition: can cognitive therapy reduce fall risk?. <i>Expert Review of Neurotherapeutics</i> , 2011, 11, 1057-1075.	1.4	230
10	The Role of the Frontal Lobe in Complex Walking Among Patients With Parkinson's Disease and Healthy Older Adults. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 963-971.	1.4	208
11	Increased frontal brain activation during walking while dual tasking: an fNIRS study in healthy young adults. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 85.	2.4	190
12	Long-term unsupervised mobility assessment in movement disorders. <i>Lancet Neurology</i> , The, 2020, 19, 462-470.	4.9	181
13	Feasibility and effects of home-based smartphone-delivered automated feedback training for gait in people with Parkinson's disease: A pilot randomized controlled trial. <i>Parkinsonism and Related Disorders</i> , 2016, 22, 28-34.	1.1	170
14	Effects of virtual reality training on gait biomechanics of individuals post-stroke. <i>Gait and Posture</i> , 2010, 31, 433-437.	0.6	165
15	Virtual reality for rehabilitation in Parkinson's disease. <i>The Cochrane Library</i> , 2016, 2016, CD010760.	1.5	162
16	Effects of aging on prefrontal brain activation during challenging walking conditions. <i>Brain and Cognition</i> , 2017, 115, 41-46.	0.8	156
17	Cognitive Involvement in Balance, Gait and Dual-Tasking in Aging: A Focused Review From a Neuroscience of Aging Perspective. <i>Frontiers in Neurology</i> , 2018, 9, 913.	1.1	151
18	Is every-day walking in older adults more analogous to dual-task walking or to usual walking? Elucidating the gaps between gait performance in the lab and during 24/7 monitoring. <i>European Review of Aging and Physical Activity</i> , 2019, 16, 6.	1.3	151

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19	Gait alterations in healthy carriers of the LRRK2 G2019S mutation. <i>Annals of Neurology</i> , 2011, 69, 193-197.	2.8	140
20	Arm swing as a potential new prodromal marker of Parkinson's disease. <i>Movement Disorders</i> , 2016, 31, 1527-1534.	2.2	136
21	Analysis of Free-Living Gait in Older Adults With and Without Parkinson's Disease and With and Without a History of Falls: Identifying Generic and Disease-Specific Characteristics. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 500-506.	1.7	132
22	Parkinson disease phenotype in Ashkenazi Jews with and without LRRK2 G2019S mutations. <i>Movement Disorders</i> , 2013, 28, 1966-1971.	2.2	131
23	V-TIME: a treadmill training program augmented by virtual reality to decrease fall risk in older adults: study design of a randomized controlled trial. <i>BMC Neurology</i> , 2013, 13, 15.	0.8	130
24	Age-specific penetrance of LRRK2 G2019S in the Michael J. Fox Ashkenazi Jewish LRRK2 Consortium. <i>Neurology</i> , 2015, 85, 89-95.	1.5	130
25	Penetrance estimate of LRRK2 p.G2019S mutation in individuals of non-Ashkenazi Jewish ancestry. <i>Movement Disorders</i> , 2017, 32, 1432-1438.	2.2	126
26	Association Between Performance on Timed Up and Go Subtasks and Mild Cognitive Impairment: Further Insights into the Links Between Cognitive and Motor Function. <i>Journal of the American Geriatrics Society</i> , 2014, 62, 673-678.	1.3	116
27	Virtual reality and motor imagery: Promising tools for assessment and therapy in Parkinson's disease. <i>Movement Disorders</i> , 2013, 28, 1597-1608.	2.2	111
28	When does walking alter thinking? Age and task associated findings. <i>Brain Research</i> , 2009, 1253, 92-99.	1.1	109
29	Progression in the LRRK2-Associated Parkinson Disease Population. <i>JAMA Neurology</i> , 2018, 75, 312.	4.5	109
30	Changes in oxygenated hemoglobin link freezing of gait to frontal activation in patients with Parkinson disease: an fNIRS study of transient motor-cognitive failures. <i>Journal of Neurology</i> , 2015, 262, 899-908.	1.8	107
31	Prediction of Freezing of Gait in Parkinson's From Physiological Wearables: An Exploratory Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1843-1854.	3.9	101
32	Parkinson's disease phenotype is influenced by the severity of the mutations in the GBA gene. <i>Parkinsonism and Related Disorders</i> , 2018, 55, 45-49.	1.1	90
33	Fall risk and gait in Parkinson's disease: The role of the LRRK2 G2019S mutation. <i>Movement Disorders</i> , 2013, 28, 1683-1690.	2.2	82
34	Audio-Biofeedback training for posture and balance in Patients with Parkinson's disease. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 35.	2.4	79
35	A dose-effect of mutations in the GBA gene on Parkinson's disease phenotype. <i>Parkinsonism and Related Disorders</i> , 2017, 36, 47-51.	1.1	78
36	Higher Frequency of Certain Cancers in LRRK2 G2019S Mutation Carriers With Parkinson Disease. <i>JAMA Neurology</i> , 2015, 72, 58.	4.5	76

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37	A consensus guide to using functional near-infrared spectroscopy in posture and gait research. <i>Gait and Posture</i> , 2020, 82, 254-265.	0.6	75
38	Impaired dual tasking in Parkinson's disease is associated with reduced focusing of cortico-striatal activity. <i>Brain</i> , 2017, 140, 1384-1398.	3.7	72
39	Barriers and Motivators to Engage in Exercise for Persons with Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2020, 10, 1293-1299.	1.5	72
40	Associations between daily-living physical activity and laboratory-based assessments of motor severity in patients with falls and Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 62, 85-90.	1.1	70
41	Reorganization of corticostriatal circuits in healthy G2019S <i>LRRK2</i> carriers. <i>Neurology</i> , 2015, 84, 399-406.	1.5	66
42	Effects of Aging on Arm Swing during Gait: The Role of Gait Speed and Dual Tasking. <i>PLoS ONE</i> , 2015, 10, e0136043.	1.1	63
43	Measuring prefrontal cortical activity during dual task walking in patients with Parkinson's disease: feasibility of using a new portable fNIRS device. <i>Pilot and Feasibility Studies</i> , 2016, 2, 59.	0.5	63
44	Intervention modalities for targeting cognitive-motor interference in individuals with neurodegenerative disease: a systematic review. <i>Expert Review of Neurotherapeutics</i> , 2017, 17, 251-261.	1.4	61
45	Effects of a virtual reality and treadmill training on gait of subjects with multiple sclerosis: a pilot study. <i>Multiple Sclerosis and Related Disorders</i> , 2016, 5, 91-96.	0.9	60
46	Disparate effects of training on brain activation in Parkinson disease. <i>Neurology</i> , 2017, 89, 1804-1810.	1.5	60
47	An innovative training program based on virtual reality and treadmill: effects on gait of persons with multiple sclerosis. <i>Disability and Rehabilitation</i> , 2017, 39, 1557-1563.	0.9	60
48	FDG PET Parkinson's disease-related pattern as a biomarker for clinical trials in early stage disease. <i>NeuroImage: Clinical</i> , 2018, 20, 572-579.	1.4	60
49	When is Higher Level Cognitive Control Needed for Locomotor Tasks Among Patients with Parkinson's Disease?. <i>Brain Topography</i> , 2017, 30, 531-538.	0.8	59
50	SPARC: a new approach to quantifying gait smoothness in patients with Parkinson's disease. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 49.	2.4	59
51	Neuropsychological performance in LRRK2 G2019S carriers with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 106-110.	1.1	58
52	Attentional Control of Gait and Falls: Is Cholinergic Dysfunction a Common Substrate in the Elderly and Parkinson's Disease?. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 104.	1.7	58
53	The role of the prefrontal cortex in freezing of gait in Parkinson's disease: insights from a deep repetitive transcranial magnetic stimulation exploratory study. <i>Experimental Brain Research</i> , 2017, 235, 2463-2472.	0.7	57
54	Gait. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 159, 119-134.	1.0	56

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55	Estimation of spatio-temporal parameters of gait from magneto-inertial measurement units: multicenter validation among Parkinson, mildly cognitively impaired and healthy older adults. <i>BioMedical Engineering OnLine</i> , 2018, 17, 58.	1.3	56
56	Nonmotor symptoms in healthy Ashkenazi Jewish carriers of the G2019S mutation in the <i>LRRK2</i> gene. <i>Movement Disorders</i> , 2015, 30, 981-986.	2.2	52
57	Virtual reality training to enhance behavior and cognitive function among children with attention-deficit/hyperactivity disorder: brief report. <i>Developmental Neurorehabilitation</i> , 2019, 22, 431-436.	0.5	51
58	Genome-wide mapping of IBD segments in an Ashkenazi PD cohort identifies associated haplotypes. <i>Human Molecular Genetics</i> , 2014, 23, 4693-4702.	1.4	49
59	Altered organization of the dorsal attention network is associated with freezing of gait in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 63, 77-82.	1.1	49
60	High Frequency of <i>GBA</i> Gene Mutations in Dementia With Lewy Bodies Among Ashkenazi Jews. <i>JAMA Neurology</i> , 2016, 73, 1448.	4.5	48
61	Evidence for Differential Effects of 2 Forms of Exercise on Prefrontal Plasticity During Walking in Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 200-208.	1.4	48
62	A wearable sensor identifies alterations in community ambulation in multiple sclerosis: contributors to real-world gait quality and physical activity. <i>Journal of Neurology</i> , 2020, 267, 1912-1921.	1.8	46
63	Heart rate changes during freezing of gait in patients with Parkinson's disease. <i>Movement Disorders</i> , 2010, 25, 2346-2354.	2.2	45
64	A Wearable Assistant for Gait Training for Parkinson's Disease with Freezing of Gait in Out-of-the-Lab Environments. <i>ACM Transactions on Interactive Intelligent Systems</i> , 2015, 5, 1-31.	2.6	44
65	Application of the Movement Disorder Society prodromal criteria in healthy <i>G2019S</i> <i>LRRK2</i> carriers. <i>Movement Disorders</i> , 2018, 33, 966-973.	2.2	44
66	Treadmill walking reduces pre-frontal activation in patients with Parkinson's disease. <i>Gait and Posture</i> , 2018, 62, 384-387.	0.6	44
67	Olfactory identification in <i>LRRK2</i> <i>G2019S</i> mutation carriers: a relevant marker?. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 670-678.	1.7	43
68	Neural correlates of executive functions in healthy <i>G2019S</i> <i>LRRK2</i> mutation carriers. <i>Cortex</i> , 2013, 49, 2501-2511.	1.1	42
69	REM sleep behavior disorder, as assessed by questionnaire, in <i>G2019S</i> <i>LRRK2</i> mutation PD and carriers. <i>Movement Disorders</i> , 2015, 30, 1834-1839.	2.2	40
70	Falls Risk in Relation to Activity Exposure in High-Risk Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 1198-1205.	1.7	40
71	Detecting Sensitive Mobility Features for Parkinson's Disease Stages Via Machine Learning. <i>Movement Disorders</i> , 2021, 36, 2144-2155.	2.2	40
72	Everyday Stepping Quantity and Quality Among Older Adult Fallers With and Without Mild Cognitive Impairment: Initial Evidence for New Motor Markers of Cognitive Deficits?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 1078-1082.	1.7	39

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73	Clinical Experience Using a 5-Week Treadmill Training Program With Virtual Reality to Enhance Gait in an Ambulatory Physical Therapy Service. <i>Physical Therapy</i> , 2014, 94, 1319-1326.	1.1	38
74	Association of Dual <i>LRRK2</i> G2019S and <i>GBA</i> Variations With Parkinson Disease Progression. <i>JAMA Network Open</i> , 2021, 4, e215845.	2.8	38
75	Using wearables to assess bradykinesia and rigidity in patients with Parkinson's disease: a focused, narrative review of the literature. <i>Journal of Neural Transmission</i> , 2019, 126, 699-710.	1.4	37
76	Associations between Quantitative Mobility Measures Derived from Components of Conventional Mobility Testing and Parkinsonian Gait in Older Adults. <i>PLoS ONE</i> , 2014, 9, e86262.	1.1	36
77	Do Patients With Parkinson's Disease With Freezing of Gait Respond Differently Than Those Without to Treadmill Training Augmented by Virtual Reality?. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 440-449.	1.4	36
78	Can Cognitive Remediation Improve Mobility in Patients with Parkinson's Disease? Findings from a 12 week Pilot Study. <i>Journal of Parkinson's Disease</i> , 2014, 4, 37-44.	1.5	35
79	Differential Associations Between Distinct Components of Cognitive Function and Mobility: Implications for Understanding Aging, Turning and Dual-Task Walking. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 166.	1.7	35
80	Tossing and Turning in Bed: Nocturnal Movements in Parkinson's Disease. <i>Movement Disorders</i> , 2020, 35, 959-968.	2.2	34
81	Objective characterization of daily living transitions in patients with Parkinson's disease using a single body-fixed sensor. <i>Journal of Neurology</i> , 2016, 263, 1544-1551.	1.8	32
82	Genomewide Association Studies of <i>LRRK2</i> Modifiers of Parkinson's Disease. <i>Annals of Neurology</i> , 2021, 90, 76-88.	2.8	30
83	Fall-Prone Older People's Attitudes towards the Use of Virtual Reality Technology for Fall Prevention. <i>Gerontology</i> , 2017, 63, 590-598.	1.4	28
84	Cancer outcomes among Parkinson's disease patients with leucine rich repeat kinase 2 mutations, idiopathic Parkinson's disease patients, and nonaffected controls. <i>Movement Disorders</i> , 2019, 34, 1392-1398.	2.2	28
85	Changes in event-related potentials during dual task walking in aging and Parkinson's disease. <i>Clinical Neurophysiology</i> , 2019, 130, 224-230.	0.7	28
86	The Contribution of Proprioceptive Information to Postural Control in Elderly and Patients with Parkinson's Disease with a History of Falls. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 939.	1.0	27
87	Transition Between the Timed up and Go Turn to Sit Subtasks: Is Timing Everything?. <i>Journal of the American Medical Directors Association</i> , 2016, 17, 864.e9-864.e15.	1.2	27
88	Prefrontal cortex activation during obstacle negotiation: What's the effect size and timing?. <i>Brain and Cognition</i> , 2018, 122, 45-51.	0.8	27
89	A Possible Modifying Effect of the G2019S Mutation in the LRRK2 Gene on GBA Parkinson's Disease. <i>Movement Disorders</i> , 2020, 35, 1249-1253.	2.2	27
90	DaT-SPECT assessment depicts dopamine depletion among asymptomatic G2019S LRRK2 mutation carriers. <i>PLoS ONE</i> , 2017, 12, e0175424.	1.1	27

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91	Revisiting the non-Gaucher-GBA-E326K carrier state: Is it sufficient to increase Parkinson's disease risk?. <i>Molecular Genetics and Metabolism</i> , 2019, 128, 470-475.	0.5	25
92	The transition between turning and sitting in patients with Parkinson's disease: A wearable device detects an unexpected sequence of events. <i>Gait and Posture</i> , 2019, 67, 224-229.	0.6	25
93	Body-Fixed Sensors for Parkinson Disease. <i>JAMA - Journal of the American Medical Association</i> , 2015, 314, 873.	3.8	24
94	Combining transcranial direct current stimulation with a motor-cognitive task: the impact on dual-task walking costs in older adults. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 23.	2.4	24
95	Fall risk is associated with amplified functional connectivity of the central executive network in patients with Parkinson's disease. <i>Journal of Neurology</i> , 2015, 262, 2448-2456.	1.8	23
96	Cerebral Imaging Markers of GBA and LRRK2 Related Parkinson's Disease and Their First-Degree Unaffected Relatives. <i>Brain Topography</i> , 2018, 31, 1029-1036.	0.8	23
97	A cognitive fMRI study in non-manifesting LRRK2 and GBA carriers. <i>Brain Structure and Function</i> , 2017, 222, 1207-1218.	1.2	22
98	Gait Measures as Predictors of Poststroke Cognitive Function. <i>Stroke</i> , 2015, 46, 1077-1083.	1.0	21
99	A Personalized Approach to Parkinson's Disease Patients Based on Founder Mutation Analysis. <i>Frontiers in Neurology</i> , 2016, 7, 71.	1.1	21
100	Down-regulation of B cell-related genes in peripheral blood leukocytes of Parkinson's disease patients with and without GBA mutations. <i>Molecular Genetics and Metabolism</i> , 2016, 117, 179-185.	0.5	21
101	Genetic markers of Restless Legs Syndrome in Parkinson disease. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 582-585.	1.1	20
102	Altered reward-related neural responses in non-manifesting carriers of the Parkinson disease related LRRK2 mutation. <i>Brain Imaging and Behavior</i> , 2019, 13, 1009-1020.	1.1	20
103	Tele-Rehabilitation with Virtual Reality. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, 100, 435-438.	0.7	20
104	A Multimodal Training Modulates Short Afferent Inhibition and Improves Complex Walking in a Cohort of Faller Older Adults With an Increased Prevalence of Parkinson's Disease. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 722-728.	1.7	19
105	Metabolic syndrome does not influence the phenotype of LRRK2 and GBA related Parkinson's disease. <i>Scientific Reports</i> , 2020, 10, 9329.	1.6	19
106	Changes in the EEG spectral power during dual-task walking with aging and Parkinson's disease: initial findings using Event-Related Spectral Perturbation analysis. <i>Journal of Neurology</i> , 2021, 268, 161-168.	1.8	19
107	Glucocerebrosidase Activity is not Associated with Parkinson's Disease Risk or Severity. <i>Movement Disorders</i> , 2022, 37, 190-195.	2.2	19
108	Distinct Effects of Motor Training on Resting-State Functional Networks of the Brain in Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 795-803.	1.4	18

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109	Intact working memory in non-manifesting <i><sc>LRRK</sc>2</i> carriers â€“ an <sc>fMRI</sc> study. <i>European Journal of Neuroscience</i> , 2016, 43, 106-112.	1.2	16
110	Network abnormalities among non-manifesting Parkinson disease related LRRK2 mutation carriers. <i>Human Brain Mapping</i> , 2019, 40, 2546-2555.	1.9	16
111	Mutations in GBA and LRRK2 Are Not Associated with Increased Inflammatory Markers. <i>Journal of Parkinson's Disease</i> , 2021, 11, 1285-1296.	1.5	16
112	Dopaminergic therapy and prefrontal activation during walking in individuals with Parkinsonâ€™s disease: does the levodopa overdose hypothesis extend to gait?. <i>Journal of Neurology</i> , 2021, 268, 658-668.	1.8	15
113	Survival rates among Parkinson's disease patients who carry mutations in the LRRK2 and GBA genes. <i>Movement Disorders</i> , 2018, 33, 1656-1660.	2.2	14
114	Does culture affect usability? A trans-European usability and user experience assessment of a falls-risk connected health system following a user-centred design methodology carried out in a single European country. <i>Maturitas</i> , 2018, 114, 22-26.	1.0	14
115	SEPT14 Is Associated with a Reduced Risk for Parkinsonâ€™s Disease and Expressed in Human Brain. <i>Journal of Molecular Neuroscience</i> , 2016, 59, 343-350.	1.1	13
116	Hierarchical Data-Driven Analysis of Clinical Symptoms Among Patients With Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 531.	1.1	13
117	What happens before the first step? A New Approach to Quantifying Gait Initiation Using a Wearable Sensor. <i>Gait and Posture</i> , 2020, 76, 128-135.	0.6	13
118	The neural correlates of falls: Alterations in large-scale resting-state networks in elderly fallers. <i>Gait and Posture</i> , 2020, 80, 56-61.	0.6	13
119	The Effect of GBA Mutations and APOE Polymorphisms on Dementia with Lewy Bodies in Ashkenazi Jews. <i>Journal of Alzheimer's Disease</i> , 2021, 80, 1221-1229.	1.2	12
120	Neural Variability in the Prefrontal Cortex as a Reflection of Neural Flexibility and Stability in Patients With Parkinson Disease. <i>Neurology</i> , 2022, 98, .	1.5	12
121	Distinct cortical thickness patterns link disparate cerebral cortex regions to select mobility domains. <i>Scientific Reports</i> , 2021, 11, 6600.	1.6	11
122	Subthalamic Neurons Encode Both Single- and Multi-Limb Movements in Parkinsonâ€™s Disease Patients. <i>Scientific Reports</i> , 2017, 7, 42467.	1.6	10
123	Sensor-Based and Patient-Based Assessment of Daily-Living Physical Activity in People with Parkinsonâ€™s Disease: Do Motor Subtypes Play a Role?. <i>Sensors</i> , 2020, 20, 7015.	2.1	10
124	Virtual Reality Training as an Intervention to Reduce Falls. , 2020, , 309-321.		10
125	Does Time of Day influence postural control and gait? A review of the literature. <i>Gait and Posture</i> , 2022, 92, 153-166.	0.6	10
126	Differential changes in visual and auditory event-related oscillations in dementia with Lewy bodies. <i>Clinical Neurophysiology</i> , 2020, 131, 2357-2366.	0.7	9

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127	Motorâ€“Cognitive Treadmill Training With Virtual Reality in Parkinsonâ€™s Disease: The Effect of Training Duration. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 753381.	1.7	9
128	Alterations in conflict monitoring are related to functional connectivity in Parkinson's disease. <i>Cortex</i> , 2016, 82, 277-286.	1.1	8
129	Quantitative digital clock drawing test as a sensitive tool to detect subtle cognitive impairments in early stage Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2021, 90, 84-89.	1.1	8
130	Michael J. Fox Foundation LRRK2 Consortium: geographical differences in returning genetic research data to study participants. <i>Genetics in Medicine</i> , 2014, 16, 644-645.	1.1	7
131	Vertical ground reaction force during standing and walking: Are they related to bone mineral density left-right asymmetries?. <i>Gait and Posture</i> , 2017, 54, 174-177.	0.6	7
132	Successful Negotiation of Anticipated and Unanticipated Obstacles in Young and Older Adults: Not All Is as Expected. <i>Gerontology</i> , 2020, 66, 187-196.	1.4	7
133	Whole brain and deep gray matter structure segmentation: Quantitative comparison between MPRAGE and MP2RAGE sequences. <i>PLoS ONE</i> , 2021, 16, e0254597.	1.1	7
134	Event-related oscillations differentiate between cognitive, motor and visual impairments. <i>Journal of Neurology</i> , 2022, 269, 3529-3540.	1.8	7
135	Methods for Gait Analysis During Obstacle Avoidance Task. <i>Annals of Biomedical Engineering</i> , 2020, 48, 634-643.	1.3	6
136	A multimodal approach using TMS and EEG reveals neurophysiological changes in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2021, 89, 28-33.	1.1	6
137	Frailty and Falls in People Living With Multiple Sclerosis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 952-957.	0.5	6
138	Gait and cognitive abnormalities are associated with regional cerebellar atrophy in elderly fallers â€“ A pilot study. <i>Gait and Posture</i> , 2021, 90, 99-105.	0.6	5
139	Aberrant dopamine transporter and functional connectivity patterns in LRRK2 and GBA mutation carriers. <i>Npj Parkinson's Disease</i> , 2022, 8, 20.	2.5	5
140	Differences in performance on English and Hebrew versions of the MoCA in Parkinson's patients. <i>Clinical Parkinsonism & Related Disorders</i> , 2020, 3, 100042.	0.5	4
141	PARK16 locus: Differential effects of the non-coding rs823114 on Parkinsonâ€™s disease risk, RNA expression, and DNA methylation. <i>Journal of Genetics and Genomics</i> , 2021, 48, 341-345.	1.7	4
142	The Home-Based Sleep Laboratory. <i>Journal of Parkinson's Disease</i> , 2021, 11, S71-S76.	1.5	4
143	Biochemical markers for severity and risk in GBA and LRRK2 Parkinsonâ€™s disease. <i>Journal of Neurology</i> , 2021, 268, 1517-1525.	1.8	4
144	Glucocerebrosidase Activity Is Not Associated with Parkinson's Disease Risk or Severity. <i>Movement Disorders</i> , 2022, 37, 651-652.	2.2	4

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145	Treadmill-virtual reality combined training program to improve gait in multiple sclerosis individuals. , 2015, , .		3
146	Low cerebrospinal fluid volume and the risk for post-lumbar puncture headaches. Journal of the Neurological Sciences, 2020, 417, 117059.	0.3	3
147	Associations between visual hallucinations and impaired visuo-spatial abilities in dementia with Lewy bodies.. Neuropsychology, 2021, 35, 276-284.	1.0	3
148	Using Technology to Reshape Clinical Care and Research in Parkinsonâ€™s Disease. Journal of Parkinson's Disease, 2021, 11, S1-S3.	1.5	3
149	Impaired Inhibitory Control During Walking in Parkinsonâ€™s Disease Patients: An EEG Study. Journal of Parkinson's Disease, 2021, , 1-14.	1.5	3
150	Automatic Quantification of Tandem Walking Using a Wearable Device: New Insights Into Dynamic Balance and Mobility in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 101-107.	1.7	2
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