

# Anat Mirelman

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3123213/anat-mirelman-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

157  
papers

6,542  
citations

44  
h-index

76  
g-index

163  
ext. papers

8,554  
ext. citations

5.2  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
157	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> , <b>2010</b> , 65, 1086-92	6.4	313
156	Executive function and falls in older adults: new findings from a five-year prospective study link fall risk to cognition. <i>PLoS ONE</i> , <b>2012</b> , 7, e40297	3.7	267
155	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> , <b>2011</b> , 66, 234-40	6.4	241
154	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, The</i> , <b>2016</b> , 388, 1170-82	4.0	221
153	Effects of training with a robot-virtual reality system compared with a robot alone on the gait of individuals after stroke. <i>Stroke</i> , <b>2009</b> , 40, 169-74	6.7	220
152	Differential effects of severe vs mild GBA mutations on Parkinson disease. <i>Neurology</i> , <b>2015</b> , 84, 880-7	6.5	198
151	How does explicit prioritization alter walking during dual-task performance? Effects of age and sex on gait speed and variability. <i>Physical Therapy</i> , <b>2010</b> , 90, 177-86	3.3	192
150	The interplay between gait, falls and cognition: can cognitive therapy reduce fall risk?. <i>Expert Review of Neurotherapeutics</i> , <b>2011</b> , 11, 1057-75	4.3	190
149	The Role of the Frontal Lobe in Complex Walking Among Patients With Parkinson's Disease and Healthy Older Adults: An fNIRS Study. <i>Neurorehabilitation and Neural Repair</i> , <b>2016</b> , 30, 963-971	4.7	151
148	Gait impairments in Parkinson's disease. <i>Lancet Neurology, The</i> , <b>2019</b> , 18, 697-708	24.1	146
147	Increased frontal brain activation during walking while dual tasking: an fNIRS study in healthy young adults. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2014</b> , 11, 85	5.3	141
146	Effects of virtual reality training on gait biomechanics of individuals post-stroke. <i>Gait and Posture</i> , <b>2010</b> , 31, 433-7	2.6	131
145	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> , <b>2016</b> , 22, 28-34	3.6	122
144	Gait alterations in healthy carriers of the LRRK2 G2019S mutation. <i>Annals of Neurology</i> , <b>2011</b> , 69, 193-7	9.4	113
143	Effects of aging on prefrontal brain activation during challenging walking conditions. <i>Brain and Cognition</i> , <b>2017</b> , 115, 41-46	2.7	98
142	Parkinson disease phenotype in Ashkenazi Jews with and without LRRK2 G2019S mutations. <i>Movement Disorders</i> , <b>2013</b> , 28, 1966-71	7	98
141	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> , <b>2013</b> , 13, 15	3.1	97

140	Age-specific penetrance of LRRK2 G2019S in the Michael J. Fox Ashkenazi Jewish LRRK2 Consortium. <i>Neurology</i> , <b>2015</b> , 85, 89-95	6.5	92
139	Virtual reality for rehabilitation in Parkinson's disease. <i>The Cochrane Library</i> , <b>2016</b> , 12, CD010760	5.2	92
138	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> , <b>2014</b> , 62, 673-8	5.6	89
137	When does walking alter thinking? Age and task associated findings. <i>Brain Research</i> , <b>2009</b> , 1253, 92-9	3.7	87
136	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> , <b>2015</b> , 262, 899-908	5.5	85
135	Arm swing as a potential new prodromal marker of Parkinson's disease. <i>Movement Disorders</i> , <b>2016</b> , 31, 1527-1534	7	80
134	Cognitive Involvement in Balance, Gait and Dual-Tasking in Aging: A Focused Review From a Neuroscience of Aging Perspective. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 913	4.1	80
133	WEARABLES REVEAL A GAP BETWEEN GAIT PERFORMANCE IN THE LAB AND DURING 24/7 MONITORING IN OLDER ADULTS. <i>Innovation in Aging</i> , <b>2019</b> , 3, S335-S335	0.1	78
132	Virtual reality and motor imagery: promising tools for assessment and therapy in Parkinson's disease. <i>Movement Disorders</i> , <b>2013</b> , 28, 1597-608	7	78
131	Overlap, Commonality, Disparity, and Variability of Frontal Lobe Activation in Aging and Neurodegeneration. <i>Innovation in Aging</i> , <b>2020</b> , 4, 792-792	0.1	78
130	Combining tDCS With a Motor-Cognitive Task to Reduce the Negative Impact of Dual-Tasking on the Gait of Older Adults. <i>Innovation in Aging</i> , <b>2020</b> , 4, 287-288	0.1	78
129	Higher-Level Cognitive Function and Obstacle Attributes: An fNIRS Study in Older Adults With Parkinson's Disease. <i>Innovation in Aging</i> , <b>2020</b> , 4, 268-268	0.1	78
128	Long-term unsupervised mobility assessment in movement disorders. <i>Lancet Neurology</i> , <b>2020</b> , 19, 462-470	24.1	74
127	Penetrance estimate of LRRK2 p.G2019S mutation in individuals of non-Ashkenazi Jewish ancestry. <i>Movement Disorders</i> , <b>2017</b> , 32, 1432-1438	7	74
126	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> , <b>2019</b> , 74, 500-506	6.4	73
125	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> , <b>2019</b> , 16, 6	6.5	71
124	Prediction of Freezing of Gait in Parkinson's From Physiological Wearables: An Exploratory Study. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2015</b> , 19, 1843-54	7.2	64
123	A "dose" effect of mutations in the GBA gene on Parkinson's disease phenotype. <i>Parkinsonism and Related Disorders</i> , <b>2017</b> , 36, 47-51	3.6	60

122	Audio-biofeedback training for posture and balance in patients with Parkinson's disease. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2011</b> , 8, 35	5.3	59
121	Progression in the LRRK2-Associated Parkinson Disease Population. <i>JAMA Neurology</i> , <b>2018</b> , 75, 312-319	17.2	58
120	Impaired dual tasking in Parkinson's disease is associated with reduced focusing of cortico-striatal activity. <i>Brain</i> , <b>2017</b> , 140, 1384-1398	11.2	55
119	Fall risk and gait in Parkinson's disease: the role of the LRRK2 G2019S mutation. <i>Movement Disorders</i> , <b>2013</b> , 28, 1683-90	7	55
118	Higher frequency of certain cancers in LRRK2 G2019S mutation carriers with Parkinson disease: a pooled analysis. <i>JAMA Neurology</i> , <b>2015</b> , 72, 58-65	17.2	54
117	Parkinson's disease phenotype is influenced by the severity of the mutations in the GBA gene. <i>Parkinsonism and Related Disorders</i> , <b>2018</b> , 55, 45-49	3.6	51
116	Reorganization of corticostriatal circuits in healthy G2019S LRRK2 carriers. <i>Neurology</i> , <b>2015</b> , 84, 399-406	6.5	50
115	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> , <b>2016</b> , 2, 59	1.9	46
114	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> , <b>2016</b> , 5, 91-6	4	45
113	When is Higher Level Cognitive Control Needed for Locomotor Tasks Among Patients with Parkinson's Disease?. <i>Brain Topography</i> , <b>2017</b> , 30, 531-538	4.3	44
112	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> , <b>2019</b> , 62, 85-90	3.6	43
111	Intervention modalities for targeting cognitive-motor interference in individuals with neurodegenerative disease: a systematic review. <i>Expert Review of Neurotherapeutics</i> , <b>2017</b> , 17, 251-261	4.3	43
110	An innovative training program based on virtual reality and treadmill: effects on gait of persons with multiple sclerosis. <i>Disability and Rehabilitation</i> , <b>2017</b> , 39, 1557-1563	2.4	42
109	Disparate effects of training on brain activation in Parkinson disease. <i>Neurology</i> , <b>2017</b> , 89, 1804-1810	6.5	41
108	Effects of Aging on Arm Swing during Gait: The Role of Gait Speed and Dual Tasking. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136043	3.7	41
107	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> , <b>2016</b> , 8, 104	5.3	41
106	Neuropsychological performance in LRRK2 G2019S carriers with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2015</b> , 21, 106-10	3.6	40
105	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> , <b>2017</b> , 235, 2463-2472	2.3	39

104	Nonmotor symptoms in healthy Ashkenazi Jewish carriers of the G2019S mutation in the LRRK2 gene. <i>Movement Disorders</i> , <b>2015</b> , 30, 981-6	7	39
103	Neural correlates of executive functions in healthy G2019S LRRK2 mutation carriers. <i>Cortex</i> , <b>2013</b> , 49, 2501-11	3.8	38
102	High Frequency of GBA Gene Mutations in Dementia With Lewy Bodies Among Ashkenazi Jews. <i>JAMA Neurology</i> , <b>2016</b> , 73, 1448-1453	17.2	38
101	Virtual reality training to enhance behavior and cognitive function among children with attention-deficit/hyperactivity disorder: brief report. <i>Developmental Neurorehabilitation</i> , <b>2019</b> , 22, 431-436	1.8	36
100	Genome-wide mapping of IBD segments in an Ashkenazi PD cohort identifies associated haplotypes. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 4693-702	5.6	35
99	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> , <b>2018</b> , 17, 58	4.1	34
98	Evidence for Differential Effects of 2 Forms of Exercise on Prefrontal Plasticity During Walking in Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , <b>2018</b> , 32, 200-208	4.7	30
97	Associations between quantitative mobility measures derived from components of conventional mobility testing and Parkinsonian gait in older adults. <i>PLoS ONE</i> , <b>2014</b> , 9, e86262	3.7	30
96	Can cognitive remediation improve mobility in patients with Parkinson's disease? Findings from a 12 week pilot study. <i>Journal of Parkinsons Disease</i> , <b>2014</b> , 4, 37-44	5.3	30
95	Heart rate changes during freezing of gait in patients with Parkinson's disease. <i>Movement Disorders</i> , <b>2010</b> , 25, 2346-54	7	29
94	A consensus guide to using functional near-infrared spectroscopy in posture and gait research. <i>Gait and Posture</i> , <b>2020</b> , 82, 254-265	2.6	29
93	REM sleep behavior disorder, as assessed by questionnaire, in G2019S LRRK2 mutation PD and carriers. <i>Movement Disorders</i> , <b>2015</b> , 30, 1834-9	7	28
92	Olfactory identification in LRRK2 G2019S mutation carriers: a relevant marker?. <i>Annals of Clinical and Translational Neurology</i> , <b>2014</b> , 1, 670-8	5.3	28
91	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> , <b>2014</b> , 94, 1319-26	3.3	28
90	FDG PET Parkinson's disease-related pattern as a biomarker for clinical trials in early stage disease. <i>NeuroImage: Clinical</i> , <b>2018</b> , 20, 572-579	5.3	28
89	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> , <b>2015</b> , 5, 1-31	1.8	27
88	SPARC: a new approach to quantifying gait smoothness in patients with Parkinson's disease. <i>Journal of NeuroEngineering and Rehabilitation</i> , <b>2018</b> , 15, 49	5.3	27
87	Application of the Movement Disorder Society prodromal criteria in healthy G2019S-LRRK2 carriers. <i>Movement Disorders</i> , <b>2018</b> , 33, 966-973	7	26

86	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> , <b>2018</b> , 73, 1078-1082	6.4	26
85	Altered organization of the dorsal attention network is associated with freezing of gait in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2019</b> , 63, 77-82	3.6	25
84	Gait. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2018</b> , 159, 119-134	3	25
83	Barriers and Motivators to Engage in Exercise for Persons with Parkinson's Disease. <i>Journal of Parkinsons Disease</i> , <b>2020</b> , 10, 1293-1299	5.3	24
82	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> , <b>2019</b> , 126, 699-710	4.3	23
81	Treadmill walking reduces pre-frontal activation in patients with Parkinson's disease. <i>Gait and Posture</i> , <b>2018</b> , 62, 384-387	2.6	23
80	Fall-Prone Older People's Attitudes towards the Use of Virtual Reality Technology for Fall Prevention. <i>Gerontology</i> , <b>2017</b> , 63, 590-598	5.5	23
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> , <b>2019</b> , 11, 166	5.3	21
78	Fall risk is associated with amplified functional connectivity of the central executive network in patients with Parkinson's disease. <i>Journal of Neurology</i> , <b>2015</b> , 262, 2448-56	5.5	20
77	Body-Fixed Sensors for Parkinson Disease. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 314, 873-4	27.4	20
76	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> , <b>2014</b> , 8, 939	3.3	19
75	Objective characterization of daily living transitions in patients with Parkinson's disease using a single body-fixed sensor. <i>Journal of Neurology</i> , <b>2016</b> , 263, 1544-51	5.5	19
74	Gait measures as predictors of poststroke cognitive function: evidence from the TABASCO study. <i>Stroke</i> , <b>2015</b> , 46, 1077-83	6.7	18
73	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> , <b>2020</b> , 267, 1912-1921	5.5	18
72	DaT-SPECT assessment depicts dopamine depletion among asymptomatic G2019S LRRK2 mutation carriers. <i>PLoS ONE</i> , <b>2017</b> , 12, e0175424	3.7	18
71	Changes in event-related potentials during dual task walking in aging and Parkinson's disease. <i>Clinical Neurophysiology</i> , <b>2019</b> , 130, 224-230	4.3	18
70	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> , <b>2019</b> , 67, 224-229	2.6	17
69	Genetic markers of Restless Legs Syndrome in Parkinson disease. <i>Parkinsonism and Related Disorders</i> , <b>2015</b> , 21, 582-5	3.6	16

68	A Possible Modifying Effect of the G2019S Mutation in the LRRK2 Gene on GBA Parkinson's Disease. <i>Movement Disorders</i> , <b>2020</b> , 35, 1249-1253	7	16
67	Prefrontal cortex activation during obstacle negotiation: What's the effect size and timing?. <i>Brain and Cognition</i> , <b>2018</b> , 122, 45-51	2.7	16
66	Revisiting the non-Gaucher-GBA-E326K carrier state: Is it sufficient to increase Parkinson's disease risk?. <i>Molecular Genetics and Metabolism</i> , <b>2019</b> , 128, 470-475	3.7	16
65	A Personalized Approach to Parkinson's Disease Patients Based on Founder Mutation Analysis. <i>Frontiers in Neurology</i> , <b>2016</b> , 7, 71	4.1	16
64	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> , <b>2016</b> , 117, 179-85	3.7	15
63	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> , <b>2020</b> , 34, 440-449	4.7	15
62	Falls Risk in Relation to Activity Exposure in High-Risk Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2020</b> , 75, 1198-1205	6.4	15
61	Transition Between the Timed up and Go Turn to Sit Subtasks: Is Timing Everything?. <i>Journal of the American Medical Directors Association</i> , <b>2016</b> , 17, 864.e9-864.e15	5.9	15
60	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> , <b>2019</b> , 34, 1392-1398	7.3	15
59	Intact working memory in non-manifesting LRRK2 carriers--an fMRI study. <i>European Journal of Neuroscience</i> , <b>2016</b> , 43, 106-12	3.5	14
58	Tossing and Turning in Bed: Nocturnal Movements in Parkinson's Disease. <i>Movement Disorders</i> , <b>2020</b> , 35, 959-968	7	13
57	Altered reward-related neural responses in non-manifesting carriers of the Parkinson disease related LRRK2 mutation. <i>Brain Imaging and Behavior</i> , <b>2019</b> , 13, 1009-1020	4.1	13
56	A cognitive fMRI study in non-manifesting LRRK2 and GBA carriers. <i>Brain Structure and Function</i> , <b>2017</b> , 222, 1207-1218	4	13
55	Association of Dual LRRK2 G2019S and GBA Variations With Parkinson Disease Progression. <i>JAMA Network Open</i> , <b>2021</b> , 4, e215845	10.4	12
54	Hierarchical Data-Driven Analysis of Clinical Symptoms Among Patients With Parkinson's Disease. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 531	4.1	11
53	Network abnormalities among non-manifesting Parkinson disease related LRRK2 mutation carriers. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 2546-2555	5.9	11
52	Metabolic syndrome does not influence the phenotype of LRRK2 and GBA related Parkinson's disease. <i>Scientific Reports</i> , <b>2020</b> , 10, 9329	4.9	11
51	Cerebral Imaging Markers of GBA and LRRK2 Related Parkinson's Disease and Their First-Degree Unaffected Relatives. <i>Brain Topography</i> , <b>2018</b> , 31, 1029-1036	4.3	11

50	Detecting Sensitive Mobility Features for Parkinson's Disease Stages Via Machine Learning. <i>Movement Disorders</i> , <b>2021</b> , 36, 2144-2155	7	10
49	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> , <b>2020</b> , 75, 722-728	6.4	9
48	Genomewide Association Studies of LRRK2 Modifiers of Parkinson's Disease. <i>Annals of Neurology</i> , <b>2021</b> , 90, 76-88	9.4	9
47	SEPT14 Is Associated with a Reduced Risk for Parkinson's Disease and Expressed in Human Brain. <i>Journal of Molecular Neuroscience</i> , <b>2016</b> , 59, 343-50	3.3	9
46	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> , <b>2018</b> , 114, 22-26	5	9
45	Survival rates among Parkinson's disease patients who carry mutations in the LRRK2 and GBA genes. <i>Movement Disorders</i> , <b>2018</b> , 33, 1656-1660	7	8
44	Michael J. Fox Foundation LRRK2 Consortium: geographical differences in returning genetic research data to study participants. <i>Genetics in Medicine</i> , <b>2014</b> , 16, 644-5	8.1	7
43	Subthalamic Neurons Encode Both Single- and Multi-Limb Movements in Parkinson's Disease Patients. <i>Scientific Reports</i> , <b>2017</b> , 7, 42467	4.9	6
42	Virtual Reality Training as an Intervention to Reduce Falls <b>2020</b> , 309-321		6
41	The neural correlates of falls: Alterations in large-scale resting-state networks in elderly fallers. <i>Gait and Posture</i> , <b>2020</b> , 80, 56-61	2.6	6
40	What happens before the first step? A New Approach to Quantifying Gait Initiation Using a Wearable Sensor. <i>Gait and Posture</i> , <b>2020</b> , 76, 128-135	2.6	6
39	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> , <b>2021</b> , 268, 161-168	5.5	6
38	Vertical ground reaction force during standing and walking: Are they related to bone mineral density left-right asymmetries?. <i>Gait and Posture</i> , <b>2017</b> , 54, 174-177	2.6	5
37	Sensor-Based and Patient-Based Assessment of Daily-Living Physical Activity in People with Parkinson's Disease: Do Motor Subtypes Play a Role?. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
36	Alterations in conflict monitoring are related to functional connectivity in Parkinson's disease. <i>Cortex</i> , <b>2016</b> , 82, 277-286	3.8	5
35	The Effect of GBA Mutations and APOE Polymorphisms on Dementia with Lewy Bodies in Ashkenazi Jews. <i>Journal of Alzheimer's Disease</i> , <b>2021</b> , 80, 1221-1229	4.3	5
34	Dopaminergic therapy and prefrontal activation during walking in individuals with Parkinson's disease: does the levodopa overdose hypothesis extend to gait?. <i>Journal of Neurology</i> , <b>2021</b> , 268, 658-668	5.5	5
33	Distinct Effects of Motor Training on Resting-State Functional Networks of the Brain in Parkinson's Disease. <i>Neurorehabilitation and Neural Repair</i> , <b>2020</b> , 34, 795-803	4.7	4

32	Mutations in GBA and LRRK2 Are Not Associated with Increased Inflammatory Markers. <i>Journal of Parkinsons Disease</i> , <b>2021</b> , 11, 1285-1296	5.3	4
31	Glucocerebrosidase Activity is not Associated with Parkinson's Disease Risk or Severity. <i>Movement Disorders</i> , <b>2021</b> ,	7	4
30	Differential changes in visual and auditory event-related oscillations in dementia with Lewy bodies. <i>Clinical Neurophysiology</i> , <b>2020</b> , 131, 2357-2366	4.3	3
29	Low cerebrospinal fluid volume and the risk for post-lumbar puncture headaches. <i>Journal of the Neurological Sciences</i> , <b>2020</b> , 417, 117059	3.2	3
28	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> , <b>2021</b> , 90, 84-89	3.6	3
27	Gait and cognitive abnormalities are associated with regional cerebellar atrophy in elderly fallers - A pilot study. <i>Gait and Posture</i> , <b>2021</b> , 90, 99-105	2.6	3
26	Differences in performance on English and Hebrew versions of the MoCA in Parkinson's patients. <i>Clinical Parkinsonism &amp; Related Disorders</i> , <b>2020</b> , 3, 100042-100042	0.9	2
25	Treadmill-virtual reality combined training program to improve gait in multiple sclerosis individuals <b>2015</b> ,		2
24	Distinct cortical thickness patterns link disparate cerebral cortex regions to select mobility domains. <i>Scientific Reports</i> , <b>2021</b> , 11, 6600	4.9	2
23	Tele-Rehabilitation with Virtual Reality: A Case Report on the Simultaneous, Remote Training of Two Patients with Parkinson Disease. <i>American Journal of Physical Medicine and Rehabilitation</i> , <b>2021</b> , 100, 435-438	2.6	2
22	Successful Negotiation of Anticipated and Unanticipated Obstacles in Young and Older Adults: Not All Is as Expected. <i>Gerontology</i> , <b>2020</b> , 66, 187-196	5.5	2
21	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> , <b>2021</b> , 18, 23	5.3	2
20	-GC Intermediate Repeats and Parkinson's Disease; A Data-Driven Hypothesis. <i>Genes</i> , <b>2021</b> , 12,	4.2	2
19	AUTOMATIC QUANTIFICATION OF TANDEM WALKING USING A WEARABLE DEVICE: VALIDITY OF THE INSTRUMENTED TANDEM WALK. <i>Innovation in Aging</i> , <b>2019</b> , 3, S335-S335	0.1	1
18	Glucocerebrosidase Activity Is Not Associated with Parkinson's Disease Risk or Severity.. <i>Movement Disorders</i> , <b>2022</b> ,	7	1
17	Does Time of Day influence postural control and gait? A review of the literature. <i>Gait and Posture</i> , <b>2021</b> , 92, 153-166	2.6	1
16	Associations between visual hallucinations and impaired visuo-spatial abilities in dementia with Lewy bodies. <i>Neuropsychology</i> , <b>2021</b> , 35, 276-284	3.8	1
15	PARK16 locus: Differential effects of the non-coding rs823114 on Parkinson's disease risk, RNA expression, and DNA methylation. <i>Journal of Genetics and Genomics</i> , <b>2021</b> , 48, 341-345	4	1

14	Methods for Gait Analysis During Obstacle Avoidance Task. <i>Annals of Biomedical Engineering</i> , <b>2020</b> , 48, 634-643	4.7	1
13	A multimodal approach using TMS and EEG reveals neurophysiological changes in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , <b>2021</b> , 89, 28-33	3.6	1
12	Whole brain and deep gray matter structure segmentation: Quantitative comparison between MPRAGE and MP2RAGE sequences. <i>PLoS ONE</i> , <b>2021</b> , 16, e0254597	3.7	1
11	Event-related oscillations differentiate between cognitive, motor and visual impairments.. <i>Journal of Neurology</i> , <b>2022</b> , 1	5.5	0
10	Limited Ability to Adjust N2 Amplitude During Dual Task Walking in People With Drug-Resistant Juvenile Myoclonic Epilepsy.. <i>Frontiers in Neurology</i> , <b>2022</b> , 13, 793212	4.1	0
9	Motor-Cognitive Treadmill Training With Virtual Reality in Parkinson's Disease: The Effect of Training Duration.. <i>Frontiers in Aging Neuroscience</i> , <b>2021</b> , 13, 753381	5.3	0
8	The GBA-370Rec Parkinson's disease risk haplotype harbors a potentially pathogenic variant in the mitochondrial gene SLC25A44. <i>Molecular Genetics and Metabolism</i> , <b>2021</b> , 133, 109-112	3.7	0
7	The Home-Based Sleep Laboratory. <i>Journal of Parkinsons Disease</i> , <b>2021</b> , 11, S71-S76	5.3	0
6	Automatic Quantification of Tandem Walking Using a Wearable Device: New Insights Into Dynamic Balance and Mobility in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2021</b> , 76, 101-107	6.4	0
5	Biochemical markers for severity and risk in GBA and LRRK2 Parkinson's disease. <i>Journal of Neurology</i> , <b>2021</b> , 268, 1517-1525	5.5	0
4	Aberrant dopamine transporter and functional connectivity patterns in LRRK2 and GBA mutation carriers.. <i>Npj Parkinsons Disease</i> , <b>2022</b> , 8, 20	9.7	0
3	Evidence for increased completed suicide in first-degree relatives of G2019S mutation Parkinson's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2019</b> , 90, 843-844	5.5	
2	Real-Time Constant Monitoring of Fall Risk Index by Means of Fully-Wireless Insoles. <i>Studies in Health Technology and Informatics</i> , <b>2017</b> , 237, 193-197	0.5	
1	Transcranial Direct Current Stimulation May Reduce Prefrontal Recruitment During Dual Task Walking in Functionally Limited Older Adults - A Pilot Study.. <i>Frontiers in Aging Neuroscience</i> , <b>2022</b> , 14, 843122	5.3	