Anat Mirelman

List of Publications by Year in Descending Order

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	Event-related oscillations differentiate between cognitive, motor and visual impairments.. *Journal of Neurology*, **2022**, 1	5.5	0
156	Glucocerebrosidase Activity Is Not Associated with Parkinson's Disease Risk or Severity.. *Movement Disorders*, **2022**,	7	1
155	Limited Ability to Adjust N2 Amplitude During Dual Task Walking in People With Drug-Resistant Juvenile Myoclonic Epilepsy.. *Frontiers in Neurology*, **2022**, 13, 793212	4.1	0
154	Aberrant dopamine transporter and functional connectivity patterns in LRRK2 and GBA mutation carriers.. *Npj Parkinsonks Disease*, **2022**, 8, 20	9.7	0
153	Transcranial Direct Current Stimulation May Reduce Prefrontal Recruitment During Dual Task Walking in Functionally Limited Older Adults - A Pilot Study.. *Frontiers in Aging Neuroscience*, **2022**, 14, 843122	5.3	
152	Motor-Cognitive Treadmill Training With Virtual Reality in Parkinson's Disease: The Effect of Training Duration.. *Frontiers in Aging Neuroscience*, **2021**, 13, 753381	5.3	0
151	Does Time of Day influence postural control and gait? A review of the literature. *Gait and Posture*, **2021**, 92, 153-166	2.6	1
150	Distinct cortical thickness patterns link disparate cerebral cortex regions to select mobility domains. *Scientific Reports*, **2021**, 11, 6600	4.9	2
149	Associations between visual hallucinations and impaired visuo-spatial abilities in dementia with Lewy bodies. *Neuropsychology*, **2021**, 35, 276-284	3.8	1
148	PARK16 locus: Differential effects of the non-coding rs823114 on Parkinson's disease risk, RNA expression, and DNA methylation. *Journal of Genetics and Genomics*, **2021**, 48, 341-345	4	1
147	The Effect of GBA Mutations and APOE Polymorphisms on Dementia with Lewy Bodies in Ashkenazi Jews. *Journal of Alzheimerks Disease*, **2021**, 80, 1221-1229	4.3	5
146	Association of Dual LRRK2 G2019S and GBA Variations With Parkinson Disease Progression. *JAMA Network Open*, **2021**, 4, e215845	10.4	12
145	The GBA-370Rec Parkinson's disease risk haplotype harbors a potentially pathogenic variant in the mitochondrial gene SLC25A44. *Molecular Genetics and Metabolism*, **2021**, 133, 109-112	3.7	0
144	Tele-Rehabilitation with Virtual Reality: A Case Report on the Simultaneous, Remote Training of Two Patients with Parkinson Disease. *American Journal of Physical Medicine and Rehabilitation*, **2021** , 100, 435-438	2.6	2
143	Genomewide Association Studies of LRRK2 Modifiers of Parkinson's Disease. *Annals of Neurology*, **2021**, 90, 76-88	9.4	9
142	Detecting Sensitive Mobility Features for Parkinson's Disease Stages Via Machine Learning. *Movement Disorders*, **2021**, 36, 2144-2155	7	10
141	The Home-Based Sleep Laboratory. *Journal of Parkinsonks Disease*, **2021**, 11, S71-S76	5.3	0

140	Changes in the EEG spectral power during dual-task walking with aging and Parkinson's disease: initial findings using Event-Related Spectral Perturbation analysis. *Journal of Neurology*, **2021**, 268, 161-168	5.5	6
139	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	6.4	0
138	Dopaminergic therapy and prefrontal activation during walking in individuals with Parkinson's disease: does the levodopa overdose hypothesis extend to gait?. *Journal of Neurology*, **2021**, 268, 658-668	5.5	5
137	Combining transcranial direct current stimulation with a motor-cognitive task: the impact on dual-task walking costs in older adults. *Journal of NeuroEngineering and Rehabilitation*, **2021**, 18, 23	5.3	2
136	A multimodal approach using TMS and EEG reveals neurophysiological changes in Parkinson's disease. *Parkinsonism and Related Disorders*, **2021**, 89, 28-33	3.6	1
135	Mutations in GBA and LRRK2 Are Not Associated with Increased Inflammatory Markers. *Journal of Parkinson's Disease*, **2021**, 11, 1285-1296	5.3	4
134	-GC Intermediate Repeats and Parkinson's Disease; A Data-Driven Hypothesis. *Genes*, **2021**, 12,	4.2	2
133	Whole brain and deep gray matter structure segmentation: Quantitative comparison between MPRAGE and MP2RAGE sequences. *PLoS ONE*, **2021**, 16, e0254597	3.7	1
132	Quantitative digital clock drawing test as a sensitive tool to detect subtle cognitive impairments in early stage Parkinson's disease. *Parkinsonism and Related Disorders*, **2021**, 90, 84-89	3.6	3
131	Glucocerebrosidase Activity is not Associated with Parkinson's Disease Risk or Severity. *Movement Disorders*, **2021**,	7	4
130	Gait and cognitive abnormalities are associated with regional cerebellar atrophy in elderly fallers - A pilot study. *Gait and Posture*, **2021**, 90, 99-105	2.6	3
129	Biochemical markers for severity and risk in GBA and LRRK2 Parkinson's disease. *Journal of Neurology*, **2021**, 268, 1517-1525	5.5	0
128	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. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 722-728	6.4	9
127	Sensor-Based and Patient-Based Assessment of Daily-Living Physical Activity in People with Parkinson's Disease: Do Motor Subtypes Play a Role?. *Sensors*, **2020**, 20,	3.8	5
126	Do Patients With Parkinson's Disease With Freezing of Gait Respond Differently Than Those Without to Treadmill Training Augmented by Virtual Reality?. *Neurorehabilitation and Neural Repair*, **2020**, 34, 440-449	4.7	15
125	A wearable sensor identifies alterations in community ambulation in multiple sclerosis: contributors to real-world gait quality and physical activity. *Journal of Neurology*, **2020**, 267, 1912-1921	5.5	18
124	Differences in performance on English and Hebrew versions of the MoCA in Parkinson's patients. *Clinical Parkinsonism & Related Disorders*, **2020**, 3, 100042-100042	0.9	2
123	Tossing and Turning in Bed: Nocturnal Movements in Parkinson's Disease. *Movement Disorders*, **2020**, 35, 959-968	7	13

122	Long-term unsupervised mobility assessment in movement disorders. *Lancet Neurology, The*, **2020**, 19, 462-470	24.1	74
121	Falls Risk in Relation to Activity Exposure in High-Risk Older Adults. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 1198-1205	6.4	15
120	A Possible Modifying Effect of the G2019S Mutation in the LRRK2 Gene on GBA Parkinson's Disease. *Movement Disorders*, **2020**, 35, 1249-1253	7	16
119	Overlap, Commonality, Disparity, and Variability of Frontal Lobe Activation in Aging and Neurodegeneration. *Innovation in Aging*, **2020**, 4, 792-792	0.1	78
118	Combining tDCS With a Motor-Cognitive Task to Reduce the Negative Impact of Dual-Tasking on the Gait of Older Adults. *Innovation in Aging*, **2020**, 4, 287-288	0.1	78
117	Higher-Level Cognitive Function and Obstacle Attributes: An fNIRS Study in Older Adults With Parkinson□ Disease. *Innovation in Aging*, **2020**, 4, 268-268	0.1	78
116	Virtual Reality Training as an Intervention to Reduce Falls **2020**, 309-321		6
115	The neural correlates of falls: Alterations in large-scale resting-state networks in elderly fallers. *Gait and Posture*, **2020**, 80, 56-61	2.6	6
114	What happens before the first step? A New Approach to Quantifying Gait Initiation Using a Wearable Sensor. *Gait and Posture*, **2020**, 76, 128-135	2.6	6
113	A consensus guide to using functional near-infrared spectroscopy in posture and gait research. *Gait and Posture*, **2020**, 82, 254-265	2.6	29
112	Distinct Effects of Motor Training on Resting-State Functional Networks of the Brain in Parkinson's Disease. *Neurorehabilitation and Neural Repair*, **2020**, 34, 795-803	4.7	4
111	Metabolic syndrome does not influence the phenotype of LRRK2 and GBA related Parkinson's disease. *Scientific Reports*, **2020**, 10, 9329	4.9	11
110	Differential changes in visual and auditory event-related oscillations in dementia with Lewy bodies. *Clinical Neurophysiology*, **2020**, 131, 2357-2366	4.3	3
109	Low cerebrospinal fluid volume and the risk for post-lumbar puncture headaches. *Journal of the Neurological Sciences*, **2020**, 417, 117059	3.2	3
108	Barriers and Motivators to Engage in Exercise for Persons with Parkinson's Disease. *Journal of Parkinson's Disease*, **2020**, 10, 1293-1299	5.3	24
107	Methods for Gait Analysis During Obstacle Avoidance Task. *Annals of Biomedical Engineering*, **2020**, 48, 634-643	4.7	1
106	Successful Negotiation of Anticipated and Unanticipated Obstacles in Young and Older Adults: Not All Is as Expected. *Gerontology*, **2020**, 66, 187-196	5.5	2
105	Associations between daily-living physical activity and laboratory-based assessments of motor severity in patients with falls and Parkinson's disease. *Parkinsonism and Related Disorders*, **2019**, 62, 85-90	3.6	43

104	Hierarchical Data-Driven Analysis of Clinical Symptoms Among Patients With Parkinson's Disease. *Frontiers in Neurology*, **2019**, 10, 531	4.1	11
103	Using wearables to assess bradykinesia and rigidity in patients with Parkinson's disease: a focused, narrative review of the literature. *Journal of Neural Transmission*, **2019**, 126, 699-710	4.3	23
102	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. *European Review of Aging and Physical Activity*, **2019**, 16, 6	6.5	71
101	Gait impairments in Parkinson's disease. *Lancet Neurology, The*, **2019**, 18, 697-708	24.1	146
100	Network abnormalities among non-manifesting Parkinson disease related LRRK2 mutation carriers. *Human Brain Mapping*, **2019**, 40, 2546-2555	5.9	11
99	Virtual reality training to enhance behavior and cognitive function among children with attention-deficit/hyperactivity disorder: brief report. *Developmental Neurorehabilitation*, **2019**, 22, 431-436	1.8	36
98	Altered reward-related neural responses in non-manifesting carriers of the Parkinson disease related LRRK2 mutation. *Brain Imaging and Behavior*, **2019**, 13, 1009-1020	4.1	13
97	Differential Associations Between Distinct Components of Cognitive Function and Mobility: Implications for Understanding Aging, Turning and Dual-Task Walking. *Frontiers in Aging Neuroscience*, **2019**, 11, 166	5.3	21
96	Cancer outcomes among Parkinson's disease patients with leucine rich repeat kinase 2 mutations, idiopathic Parkinson's disease patients, and nonaffected controls. *Movement Disorders*, **2019**, 34, 1392-1398	7	15
95	WEARABLES REVEAL A GAP BETWEEN GAIT PERFORMANCE IN THE LAB AND DURING 24/7 MONITORING IN OLDER ADULTS. *Innovation in Aging*, **2019**, 3, S335-S335	0.1	78
94	AUTOMATIC QUANTIFICATION OF TANDEM WALKING USING A WEARABLE DEVICE: VALIDITY OF THE INSTRUMENTED TANDEM WALK. *Innovation in Aging*, **2019**, 3, S335-S335	0.1	1
93	Revisiting the non-Gaucher-GBA-E326K carrier state: Is it sufficient to increase Parkinson's disease risk?. *Molecular Genetics and Metabolism*, **2019**, 128, 470-475	3.7	16
92	Altered organization of the dorsal attention network is associated with freezing of gait in Parkinson's disease. *Parkinsonism and Related Disorders*, **2019**, 63, 77-82	3.6	25
91	Changes in event-related potentials during dual task walking in aging and Parkinson's disease. *Clinical Neurophysiology*, **2019**, 130, 224-230	4.3	18
90	Evidence for increased completed suicide in first-degree relatives of G2019S mutation Parkinson's disease. *Journal of Neurology, Neurosurgery and Psychiatry*, **2019**, 90, 843-844	5.5	
89	The transition between turning and sitting in patients with Parkinson's disease: A wearable device detects an unexpected sequence of events. *Gait and Posture*, **2019**, 67, 224-229	2.6	17
88	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. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 500-506	6.4	73
87	Prefrontal cortex activation during obstacle negotiation: What's the effect size and timing?. *Brain and Cognition*, **2018**, 122, 45-51	2.7	16

86	Application of the Movement Disorder Society prodromal criteria in healthy G2019S-LRRK2 carriers. *Movement Disorders*, **2018**, 33, 966-973	7	26
85	Everyday Stepping Quantity and Quality Among Older Adult Fallers With and Without Mild Cognitive Impairment: Initial Evidence for New Motor Markers of Cognitive Deficits?. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 1078-1082	6.4	26
84	Progression in the LRRK2-Asssociated Parkinson Disease Population. *JAMA Neurology*, **2018**, 75, 312-319	17.2	58
83	Treadmill walking reduces pre-frontal activation in patients with Parkinson's disease. *Gait and Posture*, **2018**, 62, 384-387	2.6	23
82	Evidence for Differential Effects of 2 Forms of Exercise on Prefrontal Plasticity During Walking in Parkinson's Disease. *Neurorehabilitation and Neural Repair*, **2018**, 32, 200-208	4.7	30
81	Estimation of spatio-temporal parameters of gait from magneto-inertial measurement units: multicenter validation among Parkinson, mildly cognitively impaired and healthy older adults. *BioMedical Engineering OnLine*, **2018**, 17, 58	4.1	34
80	SPARC: a new approach to quantifying gait smoothness in patients with Parkinson's disease. *Journal of NeuroEngineering and Rehabilitation*, **2018**, 15, 49	5.3	27
79	Gait. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2018**, 159, 119-134	3	25
78	Survival rates among Parkinson's disease patients who carry mutations in the LRRK2 and GBA genes. *Movement Disorders*, **2018**, 33, 1656-1660	7	8
77	Cognitive Involvement in Balance, Gait and Dual-Tasking in Aging: A Focused Review From a Neuroscience of Aging Perspective. *Frontiers in Neurology*, **2018**, 9, 913	4.1	80
76	FDG PET Parkinson's disease-related pattern as a biomarker for clinical trials in early stage disease. *NeuroImage: Clinical*, **2018**, 20, 572-579	5.3	28
75	Parkinson's disease phenotype is influenced by the severity of the mutations in the GBA gene. *Parkinsonism and Related Disorders*, **2018**, 55, 45-49	3.6	51
74	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. *Maturitas*, **2018**, 114, 22-26	5	9
73	Cerebral Imaging Markers of GBA and LRRK2 Related Parkinson's Disease and Their First-Degree Unaffected Relatives. *Brain Topography*, **2018**, 31, 1029-1036	4.3	11
72	Subthalamic Neurons Encode Both Single- and Multi-Limb Movements in Parkinson's Disease Patients. *Scientific Reports*, **2017**, 7, 42467	4.9	6
71	Vertical ground reaction force during standing and walking: Are they related to bone mineral density left-right asymmetries?. *Gait and Posture*, **2017**, 54, 174-177	2.6	5
70	Effects of aging on prefrontal brain activation during challenging walking conditions. *Brain and Cognition*, **2017**, 115, 41-46	2.7	98
69	When is Higher Level Cognitive Control Needed for Locomotor Tasks Among Patients with Parkinson's Disease?. *Brain Topography*, **2017**, 30, 531-538	4.3	44

68	The role of the prefrontal cortex in freezing of gait in Parkinson's disease: insights from a deep repetitive transcranial magnetic stimulation exploratory study. *Experimental Brain Research*, **2017**, 235, 2463-2472	2.3	39
67	Impaired dual tasking in Parkinson's disease is associated with reduced focusing of cortico-striatal activity. *Brain*, **2017**, 140, 1384-1398	11.2	55
66	A "dose" effect of mutations in the GBA gene on Parkinson's disease phenotype. *Parkinsonism and Related Disorders*, **2017**, 36, 47-51	3.6	60
65	Disparate effects of training on brain activation in Parkinson disease. *Neurology*, **2017**, 89, 1804-1810	6.5	41
64	Fall-Prone Older People's Attitudes towards the Use of Virtual Reality Technology for Fall Prevention. *Gerontology*, **2017**, 63, 590-598	5.5	23
63	Penetrance estimate of LRRK2 p.G2019S mutation in individuals of non-Ashkenazi Jewish ancestry. *Movement Disorders*, **2017**, 32, 1432-1438	7	74
62	An innovative training program based on virtual reality and treadmill: effects on gait of persons with multiple sclerosis. *Disability and Rehabilitation*, **2017**, 39, 1557-1563	2.4	42
61	Intervention modalities for targeting cognitive-motor interference in individuals with neurodegenerative disease: a systematic review. *Expert Review of Neurotherapeutics*, **2017**, 17, 251-261	4.3	43
60	A cognitive fMRI study in non-manifesting LRRK2 and GBA carriers. *Brain Structure and Function*, **2017**, 222, 1207-1218	4	13
59	DaT-SPECT assessment depicts dopamine depletion among asymptomatic G2019S LRRK2 mutation carriers. *PLoS ONE*, **2017**, 12, e0175424	3.7	18
58	Real-Time Constant Monitoring of Fall Risk Index by Means of Fully-Wireless Insoles. *Studies in Health Technology and Informatics*, **2017**, 237, 193-197	0.5	
57	Down-regulation of B cell-related genes in peripheral blood leukocytes of Parkinson's disease patients with and without GBA mutations. *Molecular Genetics and Metabolism*, **2016**, 117, 179-85	3.7	15
56	Transition Between the Timed up and Go Turn to Sit Subtasks: Is Timing Everything?. *Journal of the American Medical Directors Association*, **2016**, 17, 864.e9-864.e15	5.9	15
55	Arm swing as a potential new prodromal marker of Parkinson's disease. *Movement Disorders*, **2016**, 31, 1527-1534	7	80
54	Measuring prefrontal cortical activity during dual task walking in patients with Parkinson's disease: feasibility of using a new portable fNIRS device. *Pilot and Feasibility Studies*, **2016**, 2, 59	1.9	46
53	The Role of the Frontal Lobe in Complex Walking Among Patients With Parkinson's Disease and Healthy Older Adults: An fNIRS Study. *Neurorehabilitation and Neural Repair*, **2016**, 30, 963-971	4.7	151
52	Alterations in conflict monitoring are related to functional connectivity in Parkinson's disease. *Cortex*, **2016**, 82, 277-286	3.8	5
51	Feasibility and effects of home-based smartphone-delivered automated feedback training for gait in people with Parkinson's disease: A pilot randomized controlled trial. *Parkinsonism and Related Disorders*, **2016**, 22, 28-34	3.6	122

50	Intact working memory in non-manifesting LRRK2 carriers--an fMRI study. *European Journal of Neuroscience*, **2016**, 43, 106-12	3.5	14
49	Effects of a virtual reality and treadmill training on gait of subjects with multiple sclerosis: a pilot study. *Multiple Sclerosis and Related Disorders*, **2016**, 5, 91-6	4	45
48	Attentional Control of Gait and Falls: Is Cholinergic Dysfunction a Common Substrate in the Elderly and Parkinson's Disease?. *Frontiers in Aging Neuroscience*, **2016**, 8, 104	5.3	41
47	A Personalized Approach to Parkinson's Disease Patients Based on Founder Mutation Analysis. *Frontiers in Neurology*, **2016**, 7, 71	4.1	16
46	Virtual reality for rehabilitation in Parkinson's disease. *The Cochrane Library*, **2016**, 12, CD010760	5.2	92
45	Objective characterization of daily living transitions in patients with Parkinson's disease using a single body-fixed sensor. *Journal of Neurology*, **2016**, 263, 1544-51	5.5	19
44	SEPT14 Is Associated with a Reduced Risk for Parkinson's Disease and Expressed in Human Brain. *Journal of Molecular Neuroscience*, **2016**, 59, 343-50	3.3	9
43	High Frequency of GBA Gene Mutations in Dementia With Lewy Bodies Among Ashkenazi Jews. *JAMA Neurology*, **2016**, 73, 1448-1453	17.2	38
42	Addition of a non-immersive virtual reality component to treadmill training to reduce fall risk in older adults (V-TIME): a randomised controlled trial. *Lancet, The*, **2016**, 388, 1170-82	40	221
41	Age-specific penetrance of LRRK2 G2019S in the Michael J. Fox Ashkenazi Jewish LRRK2 Consortium. *Neurology*, **2015**, 85, 89-95	6.5	92
40	Differential effects of severe vs mild GBA mutations on Parkinson disease. *Neurology*, **2015**, 84, 880-7	6.5	198
39	Gait measures as predictors of poststroke cognitive function: evidence from the TABASCO study. *Stroke*, **2015**, 46, 1077-83	6.7	18
38	Genetic markers of Restless Legs Syndrome in Parkinson disease. *Parkinsonism and Related Disorders*, **2015**, 21, 582-5	3.6	16
37	Nonmotor symptoms in healthy Ashkenazi Jewish carriers of the G2019S mutation in the LRRK2 gene. *Movement Disorders*, **2015**, 30, 981-6	7	39
36	Fall risk is associated with amplified functional connectivity of the central executive network in patients with Parkinson's disease. *Journal of Neurology*, **2015**, 262, 2448-56	5.5	20
35	A Wearable Assistant for Gait Training for Parkinson's Disease with Freezing of Gait in Out-of-the-Lab Environments. *ACM Transactions on Interactive Intelligent Systems*, **2015**, 5, 1-31	1.8	27
34	Reorganization of corticostriatal circuits in healthy G2019S LRRK2 carriers. *Neurology*, **2015**, 84, 399-406	6.5	50
33	Prediction of Freezing of Gait in Parkinson's From Physiological Wearables: An Exploratory Study. *IEEE Journal of Biomedical and Health Informatics*, **2015**, 19, 1843-54	7.2	64

32	Body-Fixed Sensors for Parkinson Disease. *JAMA - Journal of the American Medical Association*, **2015**, 314, 873-4	27.4	20
31	REM sleep behavior disorder, as assessed by questionnaire, in G2019S LRRK2 mutation PD and carriers. *Movement Disorders*, **2015**, 30, 1834-9	7	28
30	Effects of Aging on Arm Swing during Gait: The Role of Gait Speed and Dual Tasking. *PLoS ONE*, **2015**, 10, e0136043	3.7	41
29	Higher frequency of certain cancers in LRRK2 G2019S mutation carriers with Parkinson disease: a pooled analysis. *JAMA Neurology*, **2015**, 72, 58-65	17.2	54
28	Treadmill-virtual reality combined training program to improve gait in multiple sclerosis individuals **2015**,		2
27	Neuropsychological performance in LRRK2 G2019S carriers with Parkinson's disease. *Parkinsonism and Related Disorders*, **2015**, 21, 106-10	3.6	40
26	Changes in oxygenated hemoglobin link freezing of gait to frontal activation in patients with Parkinson disease: an fNIRS study of transient motor-cognitive failures. *Journal of Neurology*, **2015**, 262, 899-908	5.5	85
25	Genome-wide mapping of IBD segments in an Ashkenazi PD cohort identifies associated haplotypes. *Human Molecular Genetics*, **2014**, 23, 4693-702	5.6	35
24	Increased frontal brain activation during walking while dual tasking: an fNIRS study in healthy young adults. *Journal of NeuroEngineering and Rehabilitation*, **2014**, 11, 85	5.3	141
23	Associations between quantitative mobility measures derived from components of conventional mobility testing and Parkinsonian gait in older adults. *PLoS ONE*, **2014**, 9, e86262	3.7	30
22	Can cognitive remediation improve mobility in patients with Parkinson's disease? Findings from a 12 week pilot study. *Journal of Parkinson's Disease*, **2014**, 4, 37-44	5.3	30
21	Michael J. Fox Foundation LRRK2 Consortium: geographical differences in returning genetic research data to study participants. *Genetics in Medicine*, **2014**, 16, 644-5	8.1	7
20	Olfactory identification in LRRK2 G2019S mutation carriers: a relevant marker?. *Annals of Clinical and Translational Neurology*, **2014**, 1, 670-8	5.3	28
19	Association between performance on Timed Up and Go subtasks and mild cognitive impairment: further insights into the links between cognitive and motor function. *Journal of the American Geriatrics Society*, **2014**, 62, 673-8	5.6	89
18	Clinical experience using a 5-week treadmill training program with virtual reality to enhance gait in an ambulatory physical therapy service. *Physical Therapy*, **2014**, 94, 1319-26	3.3	28
17	The contribution of proprioceptive information to postural control in elderly and patients with Parkinson's disease with a history of falls. *Frontiers in Human Neuroscience*, **2014**, 8, 939	3.3	19
16	V-TIME: a treadmill training program augmented by virtual reality to decrease fall risk in older adults: study design of a randomized controlled trial. *BMC Neurology*, **2013**, 13, 15	3.1	97
15	Fall risk and gait in Parkinson's disease: the role of the LRRK2 G2019S mutation. *Movement Disorders*, **2013**, 28, 1683-90	7	55

14	Parkinson disease phenotype in Ashkenazi Jews with and without LRRK2 G2019S mutations. *Movement Disorders*, **2013**, 28, 1966-71	7	98
13	Neural correlates of executive functions in healthy G2019S LRRK2 mutation carriers. *Cortex*, **2013**, 49, 2501-11	3.8	38
12	Virtual reality and motor imagery: promising tools for assessment and therapy in Parkinson's disease. *Movement Disorders*, **2013**, 28, 1597-608	7	78
11	Executive function and falls in older adults: new findings from a five-year prospective study link fall risk to cognition. *PLoS ONE*, **2012**, 7, e40297	3.7	267
10	Audio-biofeedback training for posture and balance in patients with Parkinson's disease. *Journal of NeuroEngineering and Rehabilitation*, **2011**, 8, 35	5.3	59
9	Gait alterations in healthy carriers of the LRRK2 G2019S mutation. *Annals of Neurology*, **2011**, 69, 193-7	9.4	113
8	Virtual reality for gait training: can it induce motor learning to enhance complex walking and reduce fall risk in patients with Parkinson's disease?. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2011**, 66, 234-40	6.4	241
7	The interplay between gait, falls and cognition: can cognitive therapy reduce fall risk?. *Expert Review of Neurotherapeutics*, **2011**, 11, 1057-75	4.3	190
6	How does explicit prioritization alter walking during dual-task performance? Effects of age and sex on gait speed and variability. *Physical Therapy*, **2010**, 90, 177-86	3.3	192
5	Executive control deficits as a prodrome to falls in healthy older adults: a prospective study linking thinking, walking, and falling. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2010**, 65, 1086-92	6.4	313
4	Effects of virtual reality training on gait biomechanics of individuals post-stroke. *Gait and Posture*, **2010**, 31, 433-7	2.6	131
3	Heart rate changes during freezing of gait in patients with Parkinson's disease. *Movement Disorders* , **2010**, 25, 2346-54	7	29
2	When does walking alter thinking? Age and task associated findings. *Brain Research*, **2009**, 1253, 92-9	3.7	87
1	Effects of training with a robot-virtual reality system compared with a robot alone on the gait of individuals after stroke. *Stroke*, **2009**, 40, 169-74	6.7	220