

# Samuel Stuart

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/883750/publications.pdf>

Version: 2024-02-01

75  
papers

1,750  
citations

331670

21  
h-index

330143

37  
g-index

78  
all docs

78  
docs citations

78  
times ranked

1620  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring freezing of gait during daily-life: an open-source, wearable sensors approach. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2021, 18, 1.	4.6	131
2	From A to Z: Wearable technology explained. <i>Maturitas</i> , 2018, 113, 40-47.	2.4	126
3	Validity of Mobility Lab (version 2) for gait assessment in young adults, older adults and Parkinsonâ€™s disease. <i>Physiological Measurement</i> , 2019, 40, 095003.	2.1	122
4	fNIRS response during walking â€” Artefact or cortical activity? A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 83, 160-172.	6.1	116
5	Cortical activity during walking and balance tasks in older adults and in people with Parkinsonâ€™s disease: A structured review. <i>Maturitas</i> , 2018, 113, 53-72.	2.4	115
6	Gait analysis in neurological populations: Progression in the use of wearables. <i>Medical Engineering and Physics</i> , 2021, 87, 9-29.	1.7	79
7	A consensus guide to using functional near-infrared spectroscopy in posture and gait research. <i>Gait and Posture</i> , 2020, 82, 254-265.	1.4	75
8	Assessment of the ability of open- and closed-loop cueing to improve turning and freezing in people with Parkinsonâ€™s disease. <i>Scientific Reports</i> , 2018, 8, 12773.	3.3	52
9	Pre-frontal Cortical Activity During Walking and Turning Is Reliable and Differentiates Across Young, Older Adults and People With Parkinson's Disease. <i>Frontiers in Neurology</i> , 2019, 10, 536.	2.4	47
10	Gait in Parkinsonâ€™s disease: A visuo-cognitive challenge. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 62, 76-88.	6.1	41
11	Direct and indirect effects of attention and visual function on gait impairment in Parkinson's disease: influence of task and turning. <i>European Journal of Neuroscience</i> , 2017, 46, 1703-1716.	2.6	41
12	Multi-modal gait: A wearable, algorithm and data fusion approach for clinical and free-living assessment. <i>Information Fusion</i> , 2022, 78, 57-70.	19.1	38
13	The measurement of visual sampling during real-world activity in Parkinson's disease and healthy controls: A structured literature review. <i>Journal of Neuroscience Methods</i> , 2014, 222, 175-188.	2.5	35
14	Reduced Gait Variability and Enhanced Brain Activity in Older Adults With Auditory Cues: A Functional Near-Infrared Spectroscopy Study. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 976-987.	2.9	35
15	The Association between Prefrontal Cortex Activity and Turning Behavior in People with and without Freezing of Gait. <i>Neuroscience</i> , 2019, 416, 168-176.	2.3	33
16	Eye-tracker algorithms to detect saccades during static and dynamic tasks: a structured review. <i>Physiological Measurement</i> , 2019, 40, 02TR01.	2.1	33
17	Monitoring multiple cortical regions during walking in young and older adults: Dual-task response and comparison challenges. <i>International Journal of Psychophysiology</i> , 2019, 135, 63-72.	1.0	33
18	Prefrontal Cortical Activation With Open and Closed-Loop Tactile Cueing When Walking and Turning in Parkinson Disease: A Pilot Study. <i>Journal of Neurologic Physical Therapy</i> , 2020, 44, 121-131.	1.4	29

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19	Towards remote healthcare monitoring using accessible IoT technology: state-of-the-art, insights and experimental design. <i>BioMedical Engineering OnLine</i> , 2020, 19, 80.	2.7	26
20	Quantifying saccades while walking: Validity of a novel velocity-based algorithm for mobile eye tracking. , 2014, 2014, 5739-42.		25
21	Inertial wearables as pragmatic tools in dementia. <i>Maturitas</i> , 2019, 127, 12-17.	2.4	25
22	Gait measurement in chronic mild traumatic brain injury: A model approach. <i>Human Movement Science</i> , 2020, 69, 102557.	1.4	25
23	Prefrontal Cortex Activity and Gait in Parkinson's Disease With Cholinergic and Dopaminergic Therapy. <i>Movement Disorders</i> , 2020, 35, 2019-2027.	3.9	25
24	Proâ€Saccades Predict Cognitive Decline in Parkinson's Disease: ICICLEâ€PD. <i>Movement Disorders</i> , 2019, 34, 1690-1698.	3.9	24
25	Executive Control of Walking in People With Parkinsonâ€™s Disease With Freezing of Gait. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 1138-1149.	2.9	24
26	Instrumented gait assessment with a single wearable: an introductory tutorial. <i>F1000Research</i> , 0, 5, 2323.	1.6	24
27	Accuracy and re-test reliability of mobile eye-tracking in Parkinson's disease and older adults. <i>Medical Engineering and Physics</i> , 2016, 38, 308-315.	1.7	22
28	Analysis of Free-Living Mobility in People with Mild Traumatic Brain Injury and Healthy Controls: Quality over Quantity. <i>Journal of Neurotrauma</i> , 2020, 37, 139-145.	3.4	21
29	Brain Activity Response to Visual Cues for Gait Impairment in Parkinsonâ€™s Disease: An EEG Study. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 996-1009.	2.9	20
30	Gait Impairment in Traumatic Brain Injury: A Systematic Review. <i>Sensors</i> , 2022, 22, 1480.	3.8	20
31	The Measurement of Eye Movements in Mild Traumatic Brain Injury: A Structured Review of an Emerging Area. <i>Frontiers in Sports and Active Living</i> , 2020, 2, 5.	1.8	19
32	Saccade frequency response to visual cues during gait in Parkinson's disease: the selective role of attention. <i>European Journal of Neuroscience</i> , 2018, 47, 769-778.	2.6	18
33	Do you see what I see? Mobile eye-tracker contextual analysis and inter-rater reliability. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 289-296.	2.8	18
34	The Sensor Technology and Rehabilitative Timing (START) Protocol: A Randomized Controlled Trial for the Rehabilitation of Mild Traumatic Brain Injury. <i>Physical Therapy</i> , 2020, 100, 687-697.	2.4	18
35	Validation of a velocity-based algorithm to quantify saccades during walking and turning in mild traumatic brain injury and healthy controls. <i>Physiological Measurement</i> , 2019, 40, 044006.	2.1	16
36	Inertial Sensors Reveal Subtle Motor Deficits When Walking With Horizontal Head Turns After Concussion. <i>Journal of Head Trauma Rehabilitation</i> , 2019, 34, E74-E81.	1.7	16

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37	Gait Performance in People with Symptomatic, Chronic Mild Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2021, 38, 218-224.	3.4	16
38	Do people with Parkinson's disease look at task relevant stimuli when walking? An exploration of eye movements. <i>Behavioural Brain Research</i> , 2018, 348, 82-89.	2.2	15
39	Relating Parkinson freezing and balance domains: A structural equation modeling approach. <i>Parkinsonism and Related Disorders</i> , 2020, 79, 73-78.	2.2	15
40	iTrack: instrumented mobile electrooculography (EOG) eye-tracking in older adults and Parkinson's disease. <i>Physiological Measurement</i> , 2017, 38, N16-N31.	2.1	13
41	Concussion in contact sport: A challenging area to tackle. <i>Journal of Sport and Health Science</i> , 2017, 6, 299-301.	6.5	13
42	Just Find It: The Mymo Approach to Recommend Running Shoes. <i>IEEE Access</i> , 2020, 8, 109791-109800.	4.2	12
43	The Impact Of Freezing Of Gait On Balance Perception And Mobility In Community-Living With Parkinson's Disease. , 2018, 2018, 3040-3043.		10
44	A protocol to examine vision and gait in Parkinson's disease: impact of cognition and response to visual cues. <i>F1000Research</i> , 2015, 4, 1379.	1.6	10
45	Vision, visuo-cognition and postural control in Parkinson's disease: An associative pilot study. <i>Gait and Posture</i> , 2016, 48, 74-76.	1.4	9
46	Changes in prefrontal cortical activity and turning in response to dopaminergic and cholinergic therapy in Parkinson's disease: A randomized cross-over trial. <i>Parkinsonism and Related Disorders</i> , 2021, 86, 10-14.	2.2	8
47	Introducing the thematic series on transcranial direct current stimulation (tDCS) for motor rehabilitation: on the way to optimal clinical use. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 34.	4.6	7
48	A protocol to examine vision and gait in Parkinson's disease: impact of cognition and response to visual cues. <i>F1000Research</i> , 2015, 4, 1379.	1.6	7
49	Does visual cueing improve gait initiation in people with Parkinson's disease?. <i>Human Movement Science</i> , 2022, 84, 102970.	1.4	7
50	A feasibility study towards instrumentation of the Sport Concussion Assessment Tool (iSCAT). , 2020, 2020, 4624-4627.		6
51	Walk on the wild side: the complexity of free-living mobility assessment. <i>Journal of Epidemiology and Community Health</i> , 2017, 71, 624-624.	3.7	4
52	Pain in Parkinson's disease: the lived experience. <i>International Journal of Therapy and Rehabilitation</i> , 2018, 25, 301-308.	0.3	4
53	Investigating the AX6 inertial-based wearable for instrumented physical capability assessment of young adults in a low-resource setting. <i>Smart Health</i> , 2021, 22, 100220.	3.2	4
54	Staying UpRight in Parkinson's disease: A pilot study of a novel wearable postural intervention. <i>Gait and Posture</i> , 2022, 91, 86-93.	1.4	3

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55	Wearables as objective tools in sport-related concussion: a protocol for more informed player management. <i>Physiotherapy</i> , 2020, 107, e142-e143.	0.4	3
56	Validation of an inertial-based contact and swing time algorithm for running analysis from a foot mounted IoT enabled wearable. , 2021, 2021, 6818-6821.		3
57	Bespoke Fuzzy Logic Design to Automate a Better Understanding of Running Gait Analysis. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2023, 27, 2178-2185.	6.3	3
58	Safety of pitch-side care provision in community contact sport within England. <i>Physical Therapy in Sport</i> , 2018, 33, 18-20.	1.9	2
59	Focus collection on Modern Approaches for Sports Medicine and Performance. <i>Physiological Measurement</i> , 2019, 40, 090401.	2.1	2
60	53MOTOR IMPAIRMENTS ARE ASSOCIATED WITH FEAR OF FALLING IN PEOPLE WITH PARKINSON'S DISEASE. <i>Age and Ageing</i> , 2017, 46, ii19-ii19.	1.6	1
61	Anatomical distribution of musculoskeletal disorders following a road traffic collision in litigants presenting to physiotherapists within a private-clinic in North-East England. <i>Physiotherapy Theory and Practice</i> , 2019, 35, 873-883.	1.3	1
62	Saccade and Fixation Eye Movements During Walking in People With Mild Traumatic Brain Injury. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 701712.	4.1	1
63	International Sport Science and Sport Medicine Conference, Newcastle upon Tyne, UK. <i>International Journal of Therapy and Rehabilitation</i> , 2016, 23, 606-606.	0.3	0
64	Musculoskeletal disorders seen within a private physiotherapy practice following a road traffic collision in England. <i>Physiotherapy</i> , 2017, 103, e57.	0.4	0
65	The association between prefrontal cortex activity and turning behaviors in people with and without freezing of gait. <i>Gait and Posture</i> , 2018, 66, S2-S3.	1.4	0
66	Tech world and medicine come together to harness digital medicine. <i>Maturitas</i> , 2019, 127, 95-96.	2.4	0
67	Objective measures of brain health: a pilot study with a somatosensory device in rugby union. <i>Physiotherapy</i> , 2020, 107, e22.	0.4	0
68	Acupuncture for whiplash-associated disorder following road traffic collision: a physiotherapy service evaluation. <i>Acupuncture in Medicine</i> , 2020, 38, 272-278.	1.0	0
69	Technological visuo-cognitive training in Parkinson's disease: Protocol for a randomised cross-over trial. <i>Physiotherapy</i> , 2022, 114, e107-e108.	0.4	0
70	Active rehabilitation intervention following acute mild traumatic brain injury: A systematic review. <i>Physiotherapy</i> , 2022, 114, e43-e44.	0.4	0
71	Examining the use of wearables for remote monitoring of balance,gait and sleep in sports-related concussion: A single-subject study in rugby-union. <i>Physiotherapy</i> , 2022, 114, e9-e10.	0.4	0
72	Validation of a low-cost wearable sensor for assessment of balance within young adult rugby players. <i>Physiotherapy</i> , 2022, 114, e20-e21.	0.4	0

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73	Exploring Inertial-Based Wearable Technologies for Objective Monitoring in Sports-Related Concussion: a Single-Participant Report. <i>Physical Therapy</i> , 2022, , .	2.4	0
74	Visual exploration while walking with and without visual cues in Parkinson's disease: The influence of freezing of gait. <i>Physiotherapy</i> , 2022, 114, e21.	0.4	0
75	Validation of a low-cost wearable sensor to assess turning in healthy adults. <i>Physiotherapy</i> , 2022, 114, e112-e113.	0.4	0