

# Steven T Moore

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

3,642  
citations

147801

31  
h-index

133252

59  
g-index

60  
all docs

60  
docs citations

60  
times ranked

3051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambulatory monitoring of freezing of gait in Parkinson's disease. <i>Journal of Neuroscience Methods</i> , 2008, 167, 340-348.	2.5	424
2	Interaction of the body, head, and eyes during walking and turning. <i>Experimental Brain Research</i> , 2001, 136, 1-18.	1.5	299
3	Effects of walking velocity on vertical head and body movements during locomotion. <i>Experimental Brain Research</i> , 1999, 127, 117-130.	1.5	242
4	Marching to the beat of the same drummer: the spontaneous tempo of human locomotion. <i>Journal of Applied Physiology</i> , 2005, 99, 1164-1173.	2.5	197
5	Long-term monitoring of gait in Parkinson's disease. <i>Gait and Posture</i> , 2007, 26, 200-207.	1.4	177
6	Autonomous identification of freezing of gait in Parkinson's disease from lower-body segmental accelerometry. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2013, 10, 19.	4.6	159
7	Perception of tilt (somatogravic illusion) in response to sustained linear acceleration during space flight. <i>Experimental Brain Research</i> , 2001, 138, 410-418.	1.5	144
8	A Review of Applications and Communication Technologies for Internet of Things (IoT) and Unmanned Aerial Vehicle (UAV) Based Sustainable Smart Farming. <i>Sustainability</i> , 2021, 13, 1821.	3.2	115
9	A geometric basis for measurement of three-dimensional eye position using image processing. <i>Vision Research</i> , 1996, 36, 445-459.	1.4	105
10	Assessing the utility of Freezing of Gait Questionnaires in Parkinson's Disease. <i>Parkinsonism and Related Disorders</i> , 2012, 18, 25-29.	2.2	95
11	Robust pupil center detection using a curvature algorithm. <i>Computer Methods and Programs in Biomedicine</i> , 1999, 59, 145-157.	4.7	94
12	A comparison of clinical and objective measures of freezing of gait in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2012, 18, 572-577.	2.2	94
13	Early Weed Detection Using Image Processing and Machine Learning Techniques in an Australian Chilli Farm. <i>Agriculture (Switzerland)</i> , 2021, 11, 387.	3.1	87
14	VTM "an image-processing system for measuring ocular torsion. <i>Computer Methods and Programs in Biomedicine</i> , 1991, 35, 219-230.	4.7	83
15	Ocular counterrolling induced by centrifugation during orbital space flight. <i>Experimental Brain Research</i> , 2001, 137, 323-335.	1.5	63
16	Effects of Galvanic vestibular stimulation on cognitive function. <i>Experimental Brain Research</i> , 2012, 216, 275-285.	1.5	60
17	Modeling postural instability with Galvanic vestibular stimulation. <i>Experimental Brain Research</i> , 2006, 172, 208-220.	1.5	59
18	Attentional set-shifting deficits correlate with the severity of freezing of gait in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2013, 19, 388-390.	2.2	58

#	ARTICLE	IF	CITATIONS
19	Decreased otolith-mediated vestibular response in 25 astronauts induced by long-duration spaceflight. <i>Journal of Neurophysiology</i> , 2016, 115, 3045-3051.	1.8	58
20	Freezing of Gait Detection in Parkinson's Disease: A Subject-Independent Detector Using Anomaly Scores. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2719-2728.	4.2	58
21	Modeling freezing of gait in Parkinson's disease with a virtual reality paradigm. <i>Gait and Posture</i> , 2013, 38, 104-108.	1.4	55
22	Long-duration spaceflight adversely affects post-landing operator proficiency. <i>Scientific Reports</i> , 2019, 9, 2677.	3.3	49
23	A theoretical analysis of three-dimensional eye position measurement using polar cross-correlation. <i>IEEE Transactions on Biomedical Engineering</i> , 1995, 42, 1053-1061.	4.2	47
24	The Human Vestibulo-Ocular Reflex during Linear Locomotion. <i>Annals of the New York Academy of Sciences</i> , 2001, 942, 139-147.	3.8	46
25	Modeling locomotor dysfunction following spaceflight with Galvanic vestibular stimulation. <i>Experimental Brain Research</i> , 2006, 174, 647-659.	1.5	43
26	Dysfunctional vestibular system causes a blood pressure drop in astronauts returning from space. <i>Scientific Reports</i> , 2015, 5, 17627.	3.3	43
27	Central Adaptation to Repeated Galvanic Vestibular Stimulation: Implications for Pre-Flight Astronaut Training. <i>PLoS ONE</i> , 2014, 9, e112131.	2.5	43
28	Galvanic Vestibular Stimulation as an Analogue of Spatial Disorientation After Spaceflight. <i>Aviation, Space, and Environmental Medicine</i> , 2011, 82, 535-542.	0.5	40
29	Validation of 24-hour ambulatory gait assessment in Parkinson's disease with simultaneous video observation. <i>BioMedical Engineering OnLine</i> , 2011, 10, 82.	2.7	36
30	A sensor-based solution to monitor grazing cattle drinking behaviour and water intake. <i>Computers and Electronics in Agriculture</i> , 2020, 168, 105141.	7.7	35
31	Functional Assessment of Head-Eye Coordination During Vehicle Operation. <i>Optometry and Vision Science</i> , 2005, 82, 706-715.	1.2	32
32	Clinical assessment of freezing of gait in Parkinson's disease from computer-generated animation. <i>Gait and Posture</i> , 2013, 38, 326-329.	1.4	31
33	Contribution of Step Length to Increase Walking and Turning Speed as a Marker of Parkinson's Disease Progression. <i>PLoS ONE</i> , 2016, 11, e0152469.	2.5	31
34	The human ocular torsion position response during yaw angular acceleration. <i>Vision Research</i> , 1995, 35, 2045-2055.	1.4	29
35	Vestibular Compensation and Orientation during Locomotion. <i>Annals of the New York Academy of Sciences</i> , 2001, 942, 128-138.	3.8	29
36	Locomotor response to levodopa in fluctuating Parkinson's disease. <i>Experimental Brain Research</i> , 2008, 184, 469-478.	1.5	29

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37	Ocular and perceptual responses to linear acceleration in microgravity: Alterations in otolith function on the COSMOS and Neurolab flights. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2003, 13, 377-393.	2.0	26
38	Artificial gravity: A possible countermeasure for post-flight orthostatic intolerance. <i>Acta Astronautica</i> , 2005, 56, 867-876.	3.2	25
39	Accelerometer data collected with a minimum set of wearable sensors from subjects with Parkinson's disease. <i>Scientific Data</i> , 2021, 8, 48.	5.3	25
40	Robust and real-time torsional eye position calculation using a template-matching technique. <i>Computer Methods and Programs in Biomedicine</i> , 2004, 74, 201-209.	4.7	24
41	Head-Eye Coordination During Simulated Orbiter Landing. <i>Aviation, Space, and Environmental Medicine</i> , 2008, 79, 888-898.	0.5	22
42	Electrotactile Feedback of Sway Position Improves Postural Performance during Galvanic Vestibular Stimulation. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 492-498.	3.8	22
43	Effects of head-down bed rest and artificial gravity on spatial orientation. <i>Experimental Brain Research</i> , 2010, 204, 617-622.	1.5	22
44	Comparison of orally dissolving carbidopa/levodopa (Parcopa) to conventional oral carbidopa/levodopa: A single-blind, double-blind, placebo-controlled, crossover trial. <i>Movement Disorders</i> , 2010, 25, 2724-2727.	3.9	21
45	Bioacoustic classification of avian calls from raw sound waveforms with an open-source deep learning architecture. <i>Scientific Reports</i> , 2021, 11, 15733.	3.3	21
46	Spatial orientation of optokinetic nystagmus and ocular pursuit during orbital space flight. <i>Experimental Brain Research</i> , 2005, 160, 38-59.	1.5	19
47	Pre-adaptation to noisy Galvanic vestibular stimulation is associated with enhanced sensorimotor performance in novel vestibular environments. <i>Frontiers in Systems Neuroscience</i> , 2015, 9, 88.	2.5	18
48	Ocular and perceptual responses to linear acceleration in microgravity: alterations in otolith function on the COSMOS and Neurolab flights. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2003, 13, 377-93.	2.0	16
49	Temporal Characteristics of High-Frequency Lower-Limb Oscillation during Freezing of Gait in Parkinson's Disease. <i>Parkinson's Disease</i> , 2014, 2014, 1-7.	1.1	15
50	On-Road Assessment of Driving Performance in Bilateral Vestibular-Deficient Patients. <i>Annals of the New York Academy of Sciences</i> , 2009, 1164, 413-418.	3.8	13
51	Tolerance to Extended Galvanic Vestibular Stimulation: Optimal Exposure for Astronaut Training. <i>Aviation, Space, and Environmental Medicine</i> , 2011, 82, 770-774.	0.5	12
52	Instantaneous rotation axes during active head movements. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2005, 15, 73-80.	2.0	9
53	Limb and trunk accelerometer data collected with wearable sensors from subjects with Parkinson's disease. <i>Scientific Data</i> , 2021, 8, 47.	5.3	8
54	Posture and Gaze during Circular Locomotion. <i>Annals of the New York Academy of Sciences</i> , 2006, 942, 470-471.	3.8	7

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55	Validation of centrifugation as a countermeasure for otolith deconditioning during spaceflight: Preliminary data of the ESA SPIN study. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2013, 23, 23-31.	2.0	7
56	VTM? a New Method of Measuring Ocular Torsion Using Image-Processing Techniques. <i>Annals of the New York Academy of Sciences</i> , 1992, 656, 826-828.	3.8	5
57	Instantaneous rotation axes during active head movements. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2005, 15, 73-80.	2.0	5
58	The human response to artificial gravity in a weightless environment: Results from the Neurolab centrifugation experiments. <i>AIP Conference Proceedings</i> , 2000, , .	0.4	4
59	Staircase climbing is not solely a visual compensation strategy to alleviate freezing of gait in Parkinson's disease. <i>Journal of Neurology</i> , 2017, 264, 174-176.	3.6	4
60	Pupillary Light Reflexes are Associated with Autonomic Dysfunction in Bolivian Diabetics But Not Chagas Disease Patients. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 94, 1290-1298.	1.4	3