

Hamish Gavin MacDougall

List of Publications by Citations

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

120
papers

4,450
citations

38
h-index

64
g-index

123
ext. papers

5,293
ext. citations

3.6
avg. IF

5.61
L-index

#	Paper	IF	Citations
120	Ambulatory monitoring of freezing of gait in Parkinson's disease. <i>Journal of Neuroscience Methods</i> , 2008 , 167, 340-8	3	326
119	The Video Head Impulse Test. <i>Frontiers in Neurology</i> , 2017 , 8, 258	4.1	232
118	The Video Head Impulse Test (vHIT) of Semicircular Canal Function - Age-Dependent Normative Values of VOR Gain in Healthy Subjects. <i>Frontiers in Neurology</i> , 2015 , 6, 154	4.1	218
117	Impulsive testing of semicircular-canal function using video-oculography. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1164, 486-91	6.5	185
116	The video Head Impulse Test (vHIT) detects vertical semicircular canal dysfunction. <i>PLoS ONE</i> , 2013 , 8, e61488	3.7	166
115	Ocular vestibular evoked myogenic potentials to bone conducted vibration of the midline forehead at Fz in healthy subjects. <i>Clinical Neurophysiology</i> , 2008 , 119, 2135-47	4.3	162
114	Long-term monitoring of gait in Parkinson's disease. <i>Gait and Posture</i> , 2007 , 26, 200-7	2.6	148
113	Marching to the beat of the same drummer: the spontaneous tempo of human locomotion. <i>Journal of Applied Physiology</i> , 2005 , 99, 1164-73	3.7	146
112	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	5.3	121
111	Interruption management in the intensive care unit: Predicting resumption times and assessing distributed support. <i>Journal of Experimental Psychology: Applied</i> , 2010 , 16, 317-34	1.8	97
110	What does the dissociation between the results of video head impulse versus caloric testing reveal about the vestibular dysfunction in Ménière's disease?. <i>Acta Oto-Laryngologica</i> , 2015 , 135, 859-65	1.6	93
109	Ocular vestibular evoked myogenic potentials in response to bone-conducted vibration of the midline forehead at Fz. A new indicator of unilateral otolithic loss. <i>Audiology and Neuro-Otology</i> , 2008 , 13, 396-404	2.2	91
108	Application of the video head impulse test to detect vertical semicircular canal dysfunction. <i>Otology and Neurotology</i> , 2013 , 34, 974-9	2.6	88
107	Cerebellar ataxia, neuropathy, vestibular areflexia syndrome (CANVAS): a review of the clinical features and video-oculographic diagnosis. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1233, 139-47	6.5	87
106	A new saccadic indicator of peripheral vestibular function based on the video head impulse test. <i>Neurology</i> , 2016 , 87, 410-8	6.5	79
105	Maintained ocular torsion produced by bilateral and unilateral galvanic (DC) vestibular stimulation in humans. <i>Experimental Brain Research</i> , 1998 , 122, 453-8	2.3	74
104	Gentamicin ototoxicity: a 23-year selected case series of 103 patients. <i>Medical Journal of Australia</i> , 2012 , 196, 701-4	4	71

103	Electrophysiological evidence for vestibular activation of the guinea pig hippocampus. <i>NeuroReport</i> , 2000 , 11, 1443-7	1.7	70
102	Plasticity during Vestibular Compensation: The Role of Saccades. <i>Frontiers in Neurology</i> , 2012 , 3, 21	4.1	69
101	Proposed diagnostic criteria for cerebellar ataxia with neuropathy and vestibular areflexia syndrome (CANVAS). <i>Neurology: Clinical Practice</i> , 2016 , 6, 61-68	1.7	65
100	What galvanic vestibular stimulation actually activates. <i>Frontiers in Neurology</i> , 2012 , 3, 117	4.1	63
99	Between-subject variability and within-subject reliability of the human eye-movement response to bilateral galvanic (DC) vestibular stimulation. <i>Experimental Brain Research</i> , 2002 , 144, 69-78	2.3	59
98	Neural basis of new clinical vestibular tests: otolithic neural responses to sound and vibration. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2014 , 41, 371-80	3	53
97	Sustained and Transient Vestibular Systems: A Physiological Basis for Interpreting Vestibular Function. <i>Frontiers in Neurology</i> , 2017 , 8, 117	4.1	52
96	Electrical activation of the human vestibulo-sympathetic reflex. <i>Experimental Brain Research</i> , 2006 , 171, 251-61	2.3	52
95	Understanding the psychophysiology of flow: A driving simulator experiment to investigate the relationship between flow and heart rate variability. <i>Computers in Human Behavior</i> , 2015 , 52, 408-418	7.7	51
94	Modeling postural instability with Galvanic vestibular stimulation. <i>Experimental Brain Research</i> , 2006 , 172, 208-20	2.3	49
93	What does the head impulse test versus caloric dissociation reveal about vestibular dysfunction in Ménière disease?. <i>Annals of the New York Academy of Sciences</i> , 2015 , 1343, 58-62	6.5	47
92	CANVAS an update: clinical presentation, investigation and management. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2014 , 24, 465-74	2.5	46
91	Vibration-induced ocular torsion and nystagmus after unilateral vestibular deafferentation. <i>Brain</i> , 2003 , 126, 956-64	11.2	45
90	The planes of the utricular and saccular maculae of the guinea pig. <i>Annals of the New York Academy of Sciences</i> , 1999 , 871, 27-34	6.5	45
89	Effects of Galvanic vestibular stimulation on cognitive function. <i>Experimental Brain Research</i> , 2012 , 216, 275-85	2.3	44
88	The basis for using bone-conducted vibration or air-conducted sound to test otolithic function. <i>Annals of the New York Academy of Sciences</i> , 2011 , 1233, 231-41	6.5	44
87	Causes and characteristics of horizontal positional nystagmus. <i>Journal of Neurology</i> , 2014 , 261, 1009-17	5.5	42
86	Cyclooxygenase-2 in the pathogenesis of murine cerebral malaria. <i>Journal of Infectious Diseases</i> , 2004 , 189, 751-8	7	41

85	Variability in the control of head movements in seated humans: a link with whiplash injuries?. <i>Journal of Physiology</i> , 2001 , 532, 851-68	3.9	40
84	Decreased otolith-mediated vestibular response in 25 astronauts induced by long-duration spaceflight. <i>Journal of Neurophysiology</i> , 2016 , 115, 3045-51	3.2	39
83	Inexpensive system for real-time 3-dimensional video-oculography using a fluorescent marker array. <i>Journal of Neuroscience Methods</i> , 2005 , 143, 141-50	3	38
82	Rapid fluctuations in dynamic semicircular canal function in early Ménière disease. <i>European Archives of Oto-Rhino-Laryngology</i> , 2011 , 268, 637-9	3.5	35
81	Modeling locomotor dysfunction following spaceflight with Galvanic vestibular stimulation. <i>Experimental Brain Research</i> , 2006 , 174, 647-59	2.3	35
80	Capturing acute vertigo: A vestibular event monitor. <i>Neurology</i> , 2019 , 92, e2743-e2753	6.5	33
79	Maintaining Balance when Looking at a Virtual Reality Three-Dimensional Display of a Field of Moving Dots or at a Virtual Reality Scene. <i>Frontiers in Neurology</i> , 2015 , 6, 164	4.1	33
78	Linearity, symmetry and additivity of the human eye-movement response to maintained unilateral and bilateral surface galvanic (DC) vestibular stimulation. <i>Experimental Brain Research</i> , 2003 , 148, 166-75	2.3	33
77	Dysfunctional vestibular system causes a blood pressure drop in astronauts returning from space. <i>Scientific Reports</i> , 2015 , 5, 17627	4.9	32
76	Galvanic vestibular stimulation as an analogue of spatial disorientation after spaceflight. <i>Aviation, Space, and Environmental Medicine</i> , 2011 , 82, 535-42		32
75	Human ocular counterrolling during roll-tilt and centrifugation. <i>Annals of the New York Academy of Sciences</i> , 1999 , 871, 173-80	6.5	32
74	Validation of 24-hour ambulatory gait assessment in Parkinson's disease with simultaneous video observation. <i>BioMedical Engineering OnLine</i> , 2011 , 10, 82	4.1	31
73	Patient and normal three-dimensional eye-movement responses to maintained (DC) surface galvanic vestibular stimulation. <i>Otology and Neurotology</i> , 2005 , 26, 500-11	2.6	31
72	Central adaptation to repeated galvanic vestibular stimulation: implications for pre-flight astronaut training. <i>PLoS ONE</i> , 2014 , 9, e112131	3.7	28
71	Prospective memory in the ICU: the effect of visual cues on task execution in a representative simulation. <i>Ergonomics</i> , 2013 , 56, 579-89	2.9	26
70	Objective verification of full recovery of dynamic vestibular function after superior vestibular neuritis. <i>Laryngoscope</i> , 2011 , 121, 2496-500	3.6	26
69	Functional assessment of head-eye coordination during vehicle operation. <i>Optometry and Vision Science</i> , 2005 , 82, 706-15	2.1	26
68	An objective measure for the visual fidelity of virtual reality and the risks of falls in a virtual environment. <i>Virtual Reality</i> , 2016 , 20, 173-181	6	25

67	Locomotor response to levodopa in fluctuating Parkinson's disease. <i>Experimental Brain Research</i> , 2008 , 184, 469-78	2.3	25
66	Horizontal Eye Position Affects Measured Vertical VOR Gain on the Video Head Impulse Test. <i>Frontiers in Neurology</i> , 2015 , 6, 58	4.1	24
65	Changes in ocular torsion position produced by a single visual line rotating around the line of sight--visual "entrainment" of ocular torsion. <i>Vision Research</i> , 2004 , 44, 397-406	2.1	24
64	Enhanced otolith function in semicircular canal dehiscence. <i>Acta Oto-Laryngologica</i> , 2011 , 131, 107-12	1.6	22
63	Long-duration spaceflight adversely affects post-landing operator proficiency. <i>Scientific Reports</i> , 2019 , 9, 2677	4.9	20
62	Balance in Virtual Reality: Effect of Age and Bilateral Vestibular Loss. <i>Frontiers in Neurology</i> , 2017 , 8, 5	4.1	20
61	New, fast, clinical vestibular tests identify whether a vertigo attack is due to early Ménière's disease or vestibular neuritis. <i>Laryngoscope</i> , 2013 , 123, 507-11	3.6	19
60	Electrotactile feedback of sway position improves postural performance during galvanic vestibular stimulation. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1164, 492-8	6.5	18
59	Effects of head-down bed rest and artificial gravity on spatial orientation. <i>Experimental Brain Research</i> , 2010 , 204, 617-22	2.3	18
58	Head-eye coordination during simulated orbiter landing. <i>Aviation, Space, and Environmental Medicine</i> , 2008 , 79, 888-98		18
57	Errors of binocular fixation are common in normal subjects during natural conditions. <i>Optometry and Vision Science</i> , 2003 , 80, 764-71	2.1	17
56	Galvanic Vestibular Stimulation: a new model of placebo-induced nausea. <i>Journal of Psychosomatic Research</i> , 2015 , 78, 484-488	4.1	16
55	Effect of stimulus rise-time on the ocular vestibular-evoked myogenic potential to bone-conducted vibration. <i>Ear and Hearing</i> , 2013 , 34, 799-805	3.4	16
54	Vertical and horizontal eye movement responses to unilateral and bilateral bone conducted vibration to the mastoid. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2009 , 19, 41-7	2.5	16
53	Convergence reduces ocular counterroll (OCR) during static roll-tilt. <i>Vision Research</i> , 2004 , 44, 2825-33	2.1	15
52	Strabismus Measurements with Novel Video Goggles. <i>Ophthalmology</i> , 2017 , 124, 1849-1856	7.3	14
51	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	3.5	14
50	Selective otolith dysfunctions objectively verified. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2014 , 24, 365-73	2.5	14

49	Driving on ice: impaired driving skills in current methamphetamine users. <i>Psychopharmacology</i> , 2013 , 225, 161-72	4.7	13
48	Imbalance: Objective measures versus subjective self-report in clinical practice. <i>Gait and Posture</i> , 2018 , 59, 217-221	2.6	12
47	Neck muscle vibration alters visually-perceived roll after unilateral vestibular loss. <i>NeuroReport</i> , 2000 , 11, 2659-62	1.7	12
46	Testing human otolith function using bone-conducted vibration. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1164, 344-6	6.5	11
45	Unilateral vestibular loss due to systemically administered gentamicin. <i>Otology and Neurotology</i> , 2011 , 32, 1158-62	2.6	10
44	Semicircular canal occlusion causes permanent VOR changes. <i>NeuroReport</i> , 2000 , 11, 2527-31	1.7	10
43	Virtual Reality for Teletherapy: Avatars May Combine the Benefits of Face-to-Face Communication with the Anonymity of Online Text-Based Communication. <i>Cyberpsychology, Behavior, and Social Networking</i> , 2019 , 22, 158-165	4.4	10
42	Tolerance to extended galvanic vestibular stimulation: optimal exposure for astronaut training. <i>Aviation, Space, and Environmental Medicine</i> , 2011 , 82, 770-4		9
41	On-road assessment of driving performance in bilateral vestibular-deficient patients. <i>Annals of the New York Academy of Sciences</i> , 2009 , 1164, 413-8	6.5	9
40	Eye velocity asymmetry, ocular orientation, and convergence induced by angular rotation in the rabbit. <i>Vision Research</i> , 2006 , 46, 961-9	2.1	9
39	Psychophysiological correlates of the inter-individual variability of head movement control in seated humans. <i>Gait and Posture</i> , 2006 , 23, 355-63	2.6	9
38	∇EMP: A Portable Interface to Record Vestibular Evoked Myogenic Potentials (VEMPs) With a Smart Phone or Tablet. <i>Frontiers in Neurology</i> , 2018 , 9, 543	4.1	9
37	Vestibular signals of self-motion modulate global motion perception. <i>Vision Research</i> , 2017 , 130, 22-30	2.1	7
36	Bone conducted vibration to the mastoid produces horizontal, vertical and torsional eye movements. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2015 , 25, 91-6	2.5	7
35	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	2.5	7
34	Spontaneous Recovery of the Vestibulo-Ocular Reflex After Vestibular Neuritis; Long-Term Monitoring With the Video Head Impulse Test in a Single Patient. <i>Frontiers in Neurology</i> , 2020 , 11, 732	4.1	7
33	Superior canal dehiscence reveals concomitant unilateral utricular loss (UUL). <i>Acta Oto-Laryngologica</i> , 2015 , 135, 557-64	1.6	6
32	Applications of brain imaging methods in driving behaviour research. <i>Accident Analysis and Prevention</i> , 2021 , 154, 106093	6.1	6

31	Velocity perception in a moving observer. <i>Vision Research</i> , 2017 , 138, 12-17	2.1	5
30	Objective measures of vestibular function during an acute vertigo attack in a very young child. <i>European Archives of Oto-Rhino-Laryngology</i> , 2012 , 269, 2589-92	3.5	5
29	Heart Rate Changes Prior to Freezing of Gait Episodes Are Related to Anxiety. <i>Journal of Parkinson's Disease</i> , 2021 , 11, 271-282	5.3	5
28	Time dilation effect in an active observer and virtual environment requires apparent motion: No dilation for retinal- or world-motion alone. <i>Journal of Vision</i> , 2019 , 19, 4	0.4	4
27	20 Year Review of Three-dimensional Tools in Otology: Challenges of Translation and Innovation. <i>Otology and Neurotology</i> , 2020 , 41, 589-595	2.6	4
26	Three-dimensional eye-movement responses to surface galvanic vestibular stimulation in normal subjects and in patients: a comparison. <i>Annals of the New York Academy of Sciences</i> , 2002 , 956, 546-50	6.5	4
25	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	5.5	3
24	The Potential Benefits of Personalized 360 Video Experiences on Affect: A Proof-of-Concept Study. <i>Cyberpsychology, Behavior, and Social Networking</i> , 2020 , 23, 134-138	4.4	3
23	Subjective visual vertical in virtual reality (Curator SVV): validation and normative data. <i>Virtual Reality</i> , 2018 , 22, 315-320	6	3
22	Can training improve eyewitness identification? The effect of internal feature focus on memory for faces. <i>Psychology, Crime and Law</i> , 2017 , 23, 927-945	1.4	3
21	Cognitive demand affects the gain of the torsional optokinetic response. <i>Experimental Brain Research</i> , 2004 , 158, 125-8	2.3	3
20	Law and (re)order: Updating memory for criminal events with body-worn cameras. <i>PLoS ONE</i> , 2020 , 15, e0243226	3.7	2
19	Suppression head impulse test paradigm (SHIMP) characteristics in people with Parkinson's disease compared to healthy controls. <i>Experimental Brain Research</i> , 2021 , 239, 1853-1862	2.3	2
18	Vestibular semicircular canal function as detected by video Head Impulse Test (vHIT) is essentially unchanged in people with Parkinson's disease compared to healthy controls. <i>Journal of Vestibular Research: Equilibrium and Orientation</i> , 2021 ,	2.5	2
17	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, 1290-8	3.2	2
16	Static and dynamic otolith reflex function in people with Parkinson's disease. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021 , 278, 2057-2065	3.5	2
15	Video-head impulse test in superior canal dehiscence. <i>Acta Oto-Laryngologica</i> , 2021 , 141, 471-475	1.6	2
14	Brief localised monocular deprivation in adults alters binocular rivalry predominance retinotopically and reduces spatial inhibition. <i>Scientific Reports</i> , 2020 , 10, 18739	4.9	1

13	A Video Self-Modeling Intervention Using Virtual Reality Plus Physical Practice for Freezing of Gait in Parkinson Disease: Feasibility and Acceptability Study. <i>JMIR Formative Research</i> , 2021 , 5, e28315	2.5	1
12	Validating a Seated Virtual Reality Threat Paradigm for Inducing Anxiety and Freezing of Gait in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2021 , 11, 1443-1454	5.3	1
11	Examining attentional biases, interpretation biases, and attentional control in people with and without chronic pain. <i>Pain</i> , 2021 , 162, 2110-2119	8	1
10	The influence of visual feedback on alleviating freezing of gait in Parkinson's disease is reduced by anxiety.. <i>Gait and Posture</i> , 2022 , 95, 70-75	2.6	1
9	Vestibular signals modulate perceptual alternations in binocular rivalry from motion conflict. <i>Journal of Vision</i> , 2018 , 18, 952	0.4	
8	Motor and vestibular self-motion signals drive perceptual alternations of opposed motions in binocular rivalry. <i>Journal of Vision</i> , 2019 , 19, 174c	0.4	
7	Vestibular Eye Movement Testing 2013 , 1-9		
6	022 Patient-initiated event monitoring for acute vertigo. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, A8.2-A8	5.5	
5	Law and (rec)order: Updating memory for criminal events with body-worn cameras 2020 , 15, e0243226		
4	Law and (rec)order: Updating memory for criminal events with body-worn cameras 2020 , 15, e0243226		
3	Law and (rec)order: Updating memory for criminal events with body-worn cameras 2020 , 15, e0243226		
2	Law and (rec)order: Updating memory for criminal events with body-worn cameras 2020 , 15, e0243226		
1	Vestibular, Eye Movement Testing 2022 , 3524-3531		