

Richard M Wilkie

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

1,444
citations

394286

19
h-index

360920

35
g-index

73
all docs

73
docs citations

73
times ranked

1133
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling steering and judging heading: Retinal flow, visual direction, and extraretinal information.. Journal of Experimental Psychology: Human Perception and Performance, 2003, 29, 363-378.	0.7	103
2	Eye-movements aid the control of locomotion. Journal of Vision, 2003, 3, 3.	0.1	103
3	Active gaze, visual look-ahead, and locomotor control.. Journal of Experimental Psychology: Human Perception and Performance, 2008, 34, 1150-1164.	0.7	84
4	Neural processing of imminent collision in humans. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1476-1481.	1.2	80
5	Using vision to control locomotion: looking where you want to go. Experimental Brain Research, 2010, 204, 539-547.	0.7	71
6	Driving as Night Falls. Current Biology, 2002, 12, 2014-2017.	1.8	69
7	Stepping over obstacles: Attention demands and aging. Gait and Posture, 2009, 29, 428-432.	0.6	59
8	The relationship between a child's postural stability and manual dexterity. Experimental Brain Research, 2014, 232, 2907-2917.	0.7	57
9	Does gaze influence steering around a bend?. Journal of Vision, 2008, 8, 18.	0.1	56
10	Neural Systems in the Visual Control of Steering. Journal of Neuroscience, 2007, 27, 8002-8010.	1.7	54
11	The Role of Visual and Nonvisual Information in the Control of Locomotion.. Journal of Experimental Psychology: Human Perception and Performance, 2005, 31, 901-911.	0.7	44
12	Getting Back Into the Loop: The Perceptual-Motor Determinants of Successful Transitions out of Automated Driving. Human Factors, 2019, 61, 1037-1065.	2.1	38
13	Judgments of path, not heading, guide locomotion.. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 88-96.	0.7	37
14	The role of gaze and road edge information during high-speed locomotion.. Journal of Experimental Psychology: Human Perception and Performance, 2012, 38, 687-702.	0.7	37
15	An fMRI study of parietal cortex involvement in the visual guidance of locomotion.. Journal of Experimental Psychology: Human Perception and Performance, 2010, 36, 1495-1507.	0.7	36
16	Movement control in older adults: Does old age mean middle of the road?. Journal of Experimental Psychology: Human Perception and Performance, 2012, 38, 735-745.	0.7	34
17	Randomised prior feedback modulates neural signals of outcome monitoring. NeuroImage, 2016, 125, 868-879.	2.1	32
18	Reduced motor asymmetry in older adults when manually tracing paths. Experimental Brain Research, 2012, 217, 35-41.	0.7	27

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19	Children's head movements and postural stability as a function of task. <i>Experimental Brain Research</i> , 2014, 232, 1953-1970.	0.7	27
20	Humans Use Predictive Gaze Strategies to Target Waypoints for Steering. <i>Scientific Reports</i> , 2019, 9, 8344.	1.6	23
21	Optic flow speed modulates guidance level control: New insights into two-level steering. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2016, 42, 1818-1838.	0.7	20
22	Optic flow asymmetries bias high-speed steering along roads. <i>Journal of Vision</i> , 2013, 13, 23-23.	0.1	19
23	Looking and thinking when driving: The impact of gaze and cognitive load on steering. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2015, 34, 108-121.	1.8	18
24	Is tracing or copying better when learning to reproduce a pattern?. <i>Experimental Brain Research</i> , 2011, 208, 459-465.	0.7	17
25	Hitting the Target: Mathematical Attainment in Children Is Related to Interceptive-Timing Ability. <i>Psychological Science</i> , 2018, 29, 1334-1345.	1.8	16
26	Skill acquisition as a function of age, hand and task difficulty: Interactions between cognition and action. <i>PLoS ONE</i> , 2019, 14, e0211706.	1.1	16
27	Obstacle avoidance and smooth trajectory control: neural areas highlighted during improved locomotor performance. <i>Frontiers in Behavioral Neuroscience</i> , 2013, 7, 9.	1.0	15
28	The need for speed: global optic flow speed influences steering. <i>Royal Society Open Science</i> , 2016, 3, 160096.	1.1	14
29	Metacognitive judgements of perceptual-motor steering performance. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 2223-2234.	0.6	14
30	Grasping the Changes Seen in Older Adults When Reaching for Objects of Varied Texture. <i>PLoS ONE</i> , 2013, 8, e69040.	1.1	14
31	Predicting the Effect of Surface Texture on the Qualitative Form of Prehension. <i>PLoS ONE</i> , 2012, 7, e32770.	1.1	13
32	Exploring structural learning in handwriting. <i>Experimental Brain Research</i> , 2010, 207, 291-295.	0.7	12
33	Accumulation of continuously time-varying sensory evidence constrains neural and behavioral responses in human collision threat detection. <i>PLoS Computational Biology</i> , 2021, 17, e1009096.	1.5	12
34	Driving with homonymous visual field loss: Does visual search performance predict hazard detection?. <i>British Journal of Occupational Therapy</i> , 2015, 78, 85-95.	0.5	11
35	Involving children in the development of assistive technology devices. <i>Disability and Rehabilitation: Assistive Technology</i> , 2011, 6, 148-156.	1.3	10
36	A three dimensional view of stereopsis in dentistry. <i>British Dental Journal</i> , 2015, 219, 479-480.	0.3	9

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37	Motor Sequence Learning in Healthy Older Adults Is Not Necessarily Facilitated by Transcranial Direct Current Stimulation (tDCS). <i>Geriatrics (Switzerland)</i> , 2016, 1, 32.	0.6	9
38	Modelling visual-vestibular integration and behavioural adaptation in the driving simulator. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019, 66, 310-323.	1.8	9
39	Drivers use active gaze to monitor waypoints during automated driving. <i>Scientific Reports</i> , 2021, 11, 263.	1.6	9
40	Minimally invasive surgery training using multiple port sites to improve performance. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 1188-1193.	1.3	8
41	Predicting takeover response to silent automated vehicle failures. <i>PLoS ONE</i> , 2020, 15, e0242825.	1.1	8
42	Visual anticipation of the future path: Predictive gaze and steering. <i>Journal of Vision</i> , 2021, 21, 25.	0.1	7
43	The "Goldilocks Zone"™: Getting the Measure of Manual Asymmetries. <i>PLoS ONE</i> , 2015, 10, e0128322.	1.1	6
44	The Problem with Big Data: Operating on Smaller Datasets to Bridge the Implementation Gap. <i>Frontiers in Public Health</i> , 2016, 4, 248.	1.3	6
45	Steering bends and changing lanes: The impact of optic flow and road edges on two point steering control. <i>Journal of Vision</i> , 2018, 18, 14.	0.1	6
46	Exploring disturbance as a force for good in motor learning. <i>PLoS ONE</i> , 2020, 15, e0224055.	1.1	5
47	Looking forward to safer HGVs: The impact of mirrors on driver reaction times. <i>Accident Analysis and Prevention</i> , 2017, 107, 173-185.	3.0	5
48	High Level Multiple Choice Questions in Advanced Psychology Modules. <i>Psychology Learning and Teaching</i> , 2009, 8, 30-36.	1.3	4
49	Modeling locomotor control. <i>ACM Transactions on Applied Perception</i> , 2011, 8, 1-18.	1.2	4
50	Looking at the task in hand impairs motor learning. <i>Journal of Neurophysiology</i> , 2012, 108, 3043-3048.	0.9	4
51	Displaying Optic Flow to Simulate Locomotion: Comparing Heading and Steering. <i>I-Perception</i> , 2013, 4, 333-346.	0.8	4
52	Does monitor position influence visual-motor performance during minimally invasive surgery?. <i>Journal of Surgical Simulation</i> , 0, 3, 1-7.	0.0	4
53	Sensorimotor ability and inhibitory control independently predict attainment in mathematics in children and adolescents. <i>Journal of Neurophysiology</i> , 2022, 127, 1026-1039.	0.9	4
54	Sensorimotor control dynamics and cultural biases: learning to move in the right (or left) direction. <i>Royal Society Open Science</i> , 2017, 4, 160806.	1.1	3

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55	Laparoscopic Motor Learning and Workspace Exploration. Journal of Surgical Education, 2016, 73, 992-998.	1.2	2
56	Feedback-related potentials in a gambling task with randomised reward. Data in Brief, 2016, 6, 378-385.	0.5	2
57	The stages of steering. Journal of Vision, 2010, 3, 551-551.	0.1	2
58	The role of gaze fixation in locomotor control. Journal of Vision, 2010, 3, 556-556.	0.1	2
59	Manual tracking impairs postural stability in older adults. British Journal of Occupational Therapy, 2017, 80, 539-548.	0.5	1
60	Looking to your future path: is heading off on a tangent?. Journal of Vision, 2010, 2, 626-626.	0.1	1
61	Exploring the effects of degraded vision on sensorimotor performance. PLoS ONE, 2021, 16, e0258678.	1.1	1
62	Kinematic measures provide useful information after intracranial aneurysm treatment. Journal of Rehabilitation and Assistive Technologies Engineering, 2017, 4, 205566831774499.	0.6	0
63	Retinal flow and visual direction information in the control of steering. Journal of Vision, 2010, 2, 432-432.	0.1	0
64	The contribution of flow, extra-retinal signals & visual frame to the control of steering. Journal of Vision, 2010, 1, 305-305.	0.1	0
65	Steering control using feedback from near road edges does not rely upon retinal flow.. Journal of Vision, 2015, 15, 415.	0.1	0
66	Steering along curved paths is influenced by global flow speed not speed asymmetry. Journal of Vision, 2015, 15, 416.	0.1	0
67	Prospective steering control is influenced by retinal flow. Journal of Vision, 2015, 15, 414.	0.1	0
68	Steering is initiated based on error accumulation.. Journal of Experimental Psychology: Human Perception and Performance, 2022, 48, 64-76.	0.7	0