

# Mark R Wilson

## List of Publications by Year in descending order

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Version: 2024-02-01

131  
papers

5,319  
citations

71102

41  
h-index

102487

66  
g-index

137  
all docs

137  
docs citations

137  
times ranked

3403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Validation of a Surgical Workload Measure: The Surgery Task Load Index (SURGâ€TLX). <i>World Journal of Surgery</i> , 2011, 35, 1961-1969.	1.6	240
2	The Influence of Anxiety on Visual Attentional Control in Basketball Free Throw Shooting. <i>Journal of Sport and Exercise Psychology</i> , 2009, 31, 152-168.	1.2	202
3	Gaze training enhances laparoscopic technical skill acquisition and multi-tasking performance: a randomized, controlled study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 3731-3739.	2.4	155
4	Anxiety, Attentional Control, and Performance Impairment in Penalty Kicks. <i>Journal of Sport and Exercise Psychology</i> , 2009, 31, 761-775.	1.2	153
5	Psychomotor control in a virtual laparoscopic surgery training environment: gaze control parameters differentiate novices from experts. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2010, 24, 2458-2464.	2.4	152
6	The influence of quiet eye training and pressure on attention and visuo-motor control. <i>Acta Psychologica</i> , 2011, 136, 340-346.	1.5	145
7	The effect of challenge and threat states on performance: An examination of potential mechanisms. <i>Psychophysiology</i> , 2012, 49, 1417-1425.	2.4	131
8	State anxiety and visual attention: The role of the quiet eye period in aiming to a far target. <i>Journal of Sports Sciences</i> , 2008, 26, 207-215.	2.0	129
9	Quiet Eye Training Facilitates Competitive Putting Performance in Elite Golfers. <i>Frontiers in Psychology</i> , 2011, 2, 8.	2.1	128
10	Quiet eye training expedites motor learning and aids performance under heightened anxiety: The roles of response programming and external attention. <i>Psychophysiology</i> , 2012, 49, 1005-1015.	2.4	123
11	Using a Delphi Technique to Seek Consensus Regarding Definitions, Descriptions and Classification of Terms Related to Implicit and Explicit Forms of Motor Learning. <i>PLoS ONE</i> , 2014, 9, e100227.	2.5	118
12	Quiet eye training: The acquisition, refinement and resilient performance of targeting skills. <i>European Journal of Sport Science</i> , 2014, 14, S235-42.	2.7	115
13	Neural co-activation as a yardstick of implicit motor learning and the propensity for conscious control of movement. <i>Biological Psychology</i> , 2011, 87, 66-73.	2.2	113
14	Quiet Eye Training: Effects on Learning and Performance Under Pressure. <i>Journal of Applied Sport Psychology</i> , 2010, 22, 361-376.	2.3	99
15	Cheating experience: Guiding novices to adopt the gaze strategies of experts expedites the learning of technical laparoscopic skills. <i>Surgery</i> , 2012, 152, 32-40.	1.9	97
16	The role of effort in influencing the effect of anxiety on performance: Testing the conflicting predictions of processing efficiency theory and the conscious processing hypothesis. <i>British Journal of Psychology</i> , 2007, 98, 411-428.	2.3	93
17	From processing efficiency to attentional control: a mechanistic account of the anxietyâ€performance relationship. <i>International Review of Sport and Exercise Psychology</i> , 2008, 1, 184-201.	5.7	85
18	Quiet-eye training for soccer penalty kicks. <i>Cognitive Processing</i> , 2011, 12, 257-266.	1.4	85

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19	A Framework for the Testing and Validation of Simulated Environments in Experimentation and Training. <i>Frontiers in Psychology</i> , 2020, 11, 605.	2.1	84
20	A moving goalkeeper distracts penalty takers and impairs shooting accuracy. <i>Journal of Sports Sciences</i> , 2010, 28, 937-946.	2.0	79
21	Virtually the same? How impaired sensory information in virtual reality may disrupt vision for action. <i>Experimental Brain Research</i> , 2019, 237, 2761-2766.	1.5	73
22	Champ or Chump?: Challenge and Threat States During Pressurized Competition. <i>Journal of Sport and Exercise Psychology</i> , 2013, 35, 551-562.	1.2	69
23	The role of effort in moderating the anxiety-Åperformance relationship: Testing the prediction of processing efficiency theory in simulated rally driving. <i>Journal of Sports Sciences</i> , 2006, 24, 1223-1233.	2.0	65
24	Visual expertise in detecting and diagnosing skeletal fractures. <i>Skeletal Radiology</i> , 2013, 42, 165-172.	2.0	63
25	Perceptual impairment and psychomotor control in virtual laparoscopic surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 2268-2274.	2.4	62
26	Quiet Eye and Choking. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1988-1994.	0.4	60
27	Quiet-eye training, perceived control and performing under pressure. <i>Psychology of Sport and Exercise</i> , 2012, 13, 721-728.	2.1	58
28	Evaluating stress as a challenge is associated with superior attentional control and motor skill performance: Testing the predictions of the biopsychosocial model of challenge and threat.. <i>Journal of Experimental Psychology: Applied</i> , 2013, 19, 185-194.	1.2	58
29	Individual reactions to stress predict performance during a critical aviation incident. <i>Anxiety, Stress and Coping</i> , 2015, 28, 467-477.	2.9	58
30	Implicit motor learning promotes neural efficiency during laparoscopy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2011, 25, 2950-2955.	2.4	57
31	Development and validation of a simulation workload measure: the simulation task load index (SIM-TLX). <i>Virtual Reality</i> , 2020, 24, 557-566.	6.1	57
32	Quiet eye training facilitates visuomotor coordination in children with developmental coordination disorder. <i>Research in Developmental Disabilities</i> , 2015, 40, 31-41.	2.2	55
33	Face validity, construct validity and training benefits of a virtual reality turp simulator. <i>International Journal of Surgery</i> , 2012, 10, 163-166.	2.7	54
34	The impact of visual illusions on perception, action planning, and motor performance. <i>Attention, Perception, and Psychophysics</i> , 2013, 75, 830-834.	1.3	54
35	Robotic technology results in faster and more robust surgical skill acquisition than traditional laparoscopy. <i>Journal of Robotic Surgery</i> , 2015, 9, 67-73.	1.8	54
36	Neurocognitive mechanisms of the flow state. <i>Progress in Brain Research</i> , 2017, 234, 221-243.	1.4	52

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37	A Systematic Review of Commercial Cognitive Training Devices: Implications for Use in Sport. <i>Frontiers in Psychology</i> , 2018, 9, 709.	2.1	51
38	Surgeonsâ€™ display reduced mental effort and workload while performing robotically assisted surgical tasks, when compared to conventional laparoscopy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2015, 29, 2553-2560.	2.4	50
39	An Integrative Framework of Stress, Attention, and Visuomotor Performance. <i>Frontiers in Psychology</i> , 2016, 7, 1671.	2.1	49
40	Visuomotor Control of Straight and Breaking Golf Putts. <i>Perceptual and Motor Skills</i> , 2009, 109, 555-562.	1.3	47
41	Training Attentional Control Improves Cognitive and Motor Task Performance. <i>Journal of Sport and Exercise Psychology</i> , 2016, 38, 521-533.	1.2	47
42	A Comparison of Self-Focus versus Attentional Explanations of Choking. <i>Journal of Sport and Exercise Psychology</i> , 2007, 29, 439-456.	1.2	46
43	Reappraising Threat: How to Optimize Performance Under Pressure. <i>Journal of Sport and Exercise Psychology</i> , 2015, 37, 339-343.	1.2	45
44	Multidisciplinary Views on Applying Explicit and Implicit Motor Learning in Practice: An International Survey. <i>PLoS ONE</i> , 2015, 10, e0135522.	2.5	45
45	Is flow really effortless? The complex role of effortful attention.. <i>Sport, Exercise, and Performance Psychology</i> , 2017, 6, 103-114.	0.8	44
46	Eye Movements Drive Steering: Reduced Eye Movement Distribution Impairs Steering and Driving Performance. <i>Journal of Motor Behavior</i> , 2008, 40, 190-202.	0.9	42
47	A comparison of evaluation, time pressure, and multitasking as stressors of psychomotor operative performance. <i>Surgery</i> , 2011, 149, 776-782.	1.9	42
48	Conscious monitoring and control (reinvestment) in surgical performance under pressure. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2012, 26, 2423-2429.	2.4	42
49	Dimensions of movement specific reinvestment in practice of a golf putting task. <i>Psychology of Sport and Exercise</i> , 2015, 18, 1-8.	2.1	42
50	Exploring the Impact of Expertise, Clinical History, and Visual Search on Electrocardiogram Interpretation. <i>Medical Decision Making</i> , 2014, 34, 75-83.	2.4	40
51	Gaze training improves the retention and transfer of laparoscopic technical skills in novices. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013, 27, 3205-3213.	2.4	38
52	Quiet Eye Distinguishes Children of High and Low Motor Coordination Abilities. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 1144-1151.	0.4	38
53	Working memory capacity, visual attention and hazard perception in driving.. <i>Journal of Applied Research in Memory and Cognition</i> , 2016, 5, 454-462.	1.1	38
54	A longitudinal investigation into the relative age effect in an English professional football club: exploring the "underdog hypothesis"™. <i>Science and Medicine in Football</i> , 2020, 4, 111-118.	2.0	38

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55	Examining the antecedents of challenge and threat states: The influence of perceived required effort and support availability. <i>International Journal of Psychophysiology</i> , 2014, 93, 267-273.	1.0	34
56	Acquiring visual information for locomotion by older adults: A systematic review. <i>Ageing Research Reviews</i> , 2015, 20, 24-34.	10.9	33
57	The effect of a virtual reality environment on gaze behaviour and motor skill learning. <i>Psychology of Sport and Exercise</i> , 2020, 50, 101721.	2.1	33
58	Quiet eye training promotes challenge appraisals and aids performance under elevated anxiety. <i>International Journal of Sport and Exercise Psychology</i> , 2013, 11, 169-183.	2.1	32
59	Working memory capacity, controlled attention and aiming performance under pressure. <i>Psychological Research</i> , 2016, 80, 510-517.	1.7	32
60	The effects of arousal reappraisal on stress responses, performance and attention. <i>Anxiety, Stress and Coping</i> , 2017, 30, 619-629.	2.9	32
61	Adaptive Working Memory Training Reduces the Negative Impact of Anxiety on Competitive Motor Performance. <i>Journal of Sport and Exercise Psychology</i> , 2017, 39, 412-422.	1.2	30
62	Developing basic hand-eye coordination skills for laparoscopic surgery using gaze training. <i>BJU International</i> , 2010, 105, 1356-1358.	2.5	28
63	A randomized controlled trial of a group-based gaze training intervention for children with Developmental Coordination Disorder. <i>PLoS ONE</i> , 2017, 12, e0171782.	2.5	27
64	Exploring sensorimotor performance and user experience within a virtual reality golf putting simulator. <i>Virtual Reality</i> , 2021, 25, 647-654.	6.1	24
65	Protective or harmful? A qualitative exploration of older people's perceptions of worries about falling. <i>Age and Ageing</i> , 2022, 51, .	1.6	24
66	Anxiety: Attention, the Brain, the Body, and Performance. , 0, , 173-190.		23
67	Quiet eye training improves throw and catch performance in children. <i>Psychology of Sport and Exercise</i> , 2014, 15, 511-515.	2.1	22
68	An occlusion paradigm to assess the importance of the timing of the quiet eye fixation. <i>European Journal of Sport Science</i> , 2017, 17, 85-92.	2.7	22
69	Examining the response programming function of the Quiet Eye: Do tougher shots need a quieter eye?. <i>Cognitive Processing</i> , 2018, 19, 47-52.	1.4	22
70	Gaze training supports self-organization of movement coordination in children with developmental coordination disorder. <i>Scientific Reports</i> , 2019, 9, 1712.	3.3	22
71	Conscious Motor Processing and Movement Self-Consciousness: Two Dimensions of Personality That Influence Laparoscopic Training. <i>Journal of Surgical Education</i> , 2014, 71, 798-804.	2.5	21
72	Aiming to Deceive: Examining the Role of the Quiet Eye During Deceptive Aiming Actions. <i>Journal of Sport and Exercise Psychology</i> , 2017, 39, 327-338.	1.2	21

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73	Examining the roles of working memory and visual attention in multiple object tracking expertise. <i>Cognitive Processing</i> , 2020, 21, 209-222.	1.4	21
74	A systematic review and meta-analysis of the relationship between flow states and performance. <i>International Review of Sport and Exercise Psychology</i> , 2023, 16, 693-721.	5.7	21
75	Examining Movement-Specific Reinvestment and Performance in Demanding Contexts. <i>Journal of Sport and Exercise Psychology</i> , 2015, 37, 327-338.	1.2	20
76	A multidisciplinary investigation into "playing-up" in academy football according to age phase. <i>Journal of Sports Sciences</i> , 2021, 39, 854-864.	2.0	18
77	Assessing the learning and transfer of gaze behaviours in immersive virtual reality. <i>Virtual Reality</i> , 2021, 25, 961-973.	6.1	18
78	Analogy learning in Parkinson's disease: A proof-of-concept study. <i>International Journal of Therapy and Rehabilitation</i> , 2016, 23, 123-130.	0.3	17
79	Technical testing and match analysis statistics as part of the talent development process in an English football academy. <i>International Journal of Performance Analysis in Sport</i> , 2020, 20, 1035-1051.	1.1	17
80	An examination of active inference in autistic adults using immersive virtual reality. <i>Scientific Reports</i> , 2021, 11, 20377.	3.3	17
81	Exploring the utility of analogies in motor learning after stroke. <i>International Journal of Rehabilitation Research</i> , 2014, 37, 277-280.	1.3	16
82	Assessing visual control during simulated and live operations: gathering evidence for the content validity of simulation using eye movement metrics. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2014, 28, 1788-1793.	2.4	16
83	Flow and quiet eye: the role of attentional control in flow experience. <i>Cognitive Processing</i> , 2017, 18, 343-347.	1.4	16
84	Testing the Effects of 3D Multiple Object Tracking Training on Near, Mid and Far Transfer. <i>Frontiers in Psychology</i> , 2020, 11, 196.	2.1	16
85	Introducing children to rugby: elite coaches' perspectives on positive player development. <i>Qualitative Research in Sport, Exercise and Health</i> , 2014, 6, 348-365.	5.9	15
86	Quiet Eye Training Improves Small Arms Maritime Marksmanship. <i>Military Psychology</i> , 2014, 26, 355-365.	1.1	15
87	Robotically assisted laparoscopy benefits surgical performance under stress. <i>Journal of Robotic Surgery</i> , 2015, 9, 277-284.	1.8	15
88	Perioperative and Long-Term Outcomes of Robot-Assisted Partial Nephrectomy: A Systematic Review. <i>American Surgeon</i> , 2021, 87, 21-29.	0.8	15
89	Exploring Personality Dimensions That Influence Practice and Performance of a Simulated Laparoscopic Task in the Objective Structured Clinical Examination. <i>Journal of Surgical Education</i> , 2015, 72, 662-669.	2.5	14
90	An Active Inference Account of Skilled Anticipation in Sport: Using Computational Models to Formalise Theory and Generate New Hypotheses. <i>Sports Medicine</i> , 2022, 52, 2023-2038.	6.5	14

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91	The effect of observing novice and expert performance on acquisition of surgical skills on a robotic platform. PLoS ONE, 2017, 12, e0188233.	2.5	13
92	Rising to the challenge: acute stress appraisals and selection centre performance in applicants to postgraduate specialty training in anaesthesia. Advances in Health Sciences Education, 2016, 21, 323-339.	3.3	12
93	The quiet eye supports error recovery in golf putting. Psychology of Sport and Exercise, 2017, 31, 21-27.	2.1	12
94	Examining the effect of state anxiety on compensatory and strategic adjustments in the planning of goal-directed aiming. Acta Psychologica, 2018, 185, 33-40.	1.5	12
95	Standing up to threats: Translating the two-system model of fear to balance control in older adults. Experimental Gerontology, 2022, 158, 111647.	2.8	12
96	Visual Control Strategies of Surgeons: A Novel Method of Establishing the Construct Validity of a Transurethral Resection of the Prostate Surgical Simulator. Journal of Surgical Education, 2014, 71, 434-439.	2.5	11
97	Playing by the Rules: A Developmentally Appropriate Introduction to Rugby Union. International Journal of Sports Science and Coaching, 2015, 10, 413-423.	1.4	11
98	â€˜Recouplingâ€™ the attentional and motor control of preparatory postural adjustments to overcome freezing of gait in Parkinsonâ€™s. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 146.	4.6	11
99	â€˜CHALLENGEâ€™ AND â€˜THREATâ€™ STATES IN SURGERY: IMPLICATIONS FOR SURGICAL PERFORMANCE AND TRAINING. BJU International, 2011, 108, 795-796.	2.5	10
100	To err again is human: exploring a bidirectional relationship between pressure and performance failure feedback. Anxiety, Stress and Coping, 2019, 32, 670-678.	2.9	10
101	Player Experience During the Junior to Senior Transition in Professional Football: A Longitudinal Case Study. Frontiers in Psychology, 2020, 11, 1672.	2.1	10
102	A critical analysis of the functional parameters of the quiet eye using immersive virtual reality.. Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 308-321.	0.9	10
103	Psychological pressure and compounded errors during elite-level tennis. Psychology of Sport and Exercise, 2021, 56, 101987.	2.1	10
104	An external focus of attention promotes flow experience during simulated driving. European Journal of Sport Science, 2019, 19, 824-833.	2.7	9
105	Visuo-motor attention during object interaction in children with developmental coordination disorder. Cortex, 2021, 138, 318-328.	2.4	9
106	Putting it together. , 2011, , 337-360.		8
107	Fast talkers? Investigating the influence of self-talk on mental toughness and finish times in 800-meter runners. Journal of Applied Sport Psychology, 2020, , 1-19.	2.3	8
108	The role of conscious processing of movements during balance by young and older adults. Human Movement Science, 2020, 70, 102566.	1.4	8

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109	Terminology, Taxonomy, and Facilitation of Motor Learning in Clinical Practice: Protocol of a Delphi Study. <i>JMIR Research Protocols</i> , 2013, 2, e18.	1.0	8
110	A randomised trial of observational learning from 2D and 3D models in robotically assisted surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2018, 32, 4527-4532.	2.4	7
111	An Exploratory Case Study of Mental Toughness Variability and Potential Influencers over 30 Days. <i>Sports</i> , 2019, 7, 156.	1.7	7
112	A 3000-mile tour of mental toughness: An autoethnographic exploration of mental toughness intra-individual variability in endurance sport. <i>International Journal of Sport and Exercise Psychology</i> , 2020, 18, 607-621.	2.1	7
113	Speed of Thought and Speed of Feet: Examining Perceptual-Cognitive Expertise and Physical Performance in an English Football Academy. <i>Journal of Science in Sport and Exercise</i> , 2021, 3, 88-97.	1.0	7
114	No effect of transcranial direct current stimulation of frontal, motor or visual cortex on performance of a self-paced visuomotor skill. <i>Psychology of Sport and Exercise</i> , 2019, 43, 368-373.	2.1	6
115	Data-Driven Prediction of Freezing of Gait Events From Stepping Data. <i>Frontiers in Medical Technology</i> , 2020, 2, 581264.	2.5	6
116	Time Savings and Surgery Task Load Reduction in Open Intraperitoneal Onlay Mesh Fixation Procedure. <i>Scientific World Journal, The</i> , 2015, 2015, 1-8.	2.1	5
117	Examining the effect of challenge and threat states on endurance exercise capabilities. <i>Psychology of Sport and Exercise</i> , 2019, 44, 51-59.	2.1	5
118	Ankle Push-Off Based Mathematical Model for Freezing of Gait in Parkinson's Disease. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 552635.	4.1	5
119	The Use of Gaze Training to Expedite Motor Skill Acquisition. , 2018, , 237-247.		4
120	Does high state anxiety exacerbate distractor interference?. <i>Human Movement Science</i> , 2021, 76, 102773.	1.4	4
121	You can't beat experience, but you can cheat it. <i>Surgery</i> , 2013, 153, 300.	1.9	2
122	Exploring mini rugby union coaches'™ perceptions of competitive activities. <i>Sports Coaching Review</i> , 2017, 6, 94-107.	1.8	2
123	The quiet eye is sensitive to exercise-induced physiological stress. <i>Progress in Brain Research</i> , 2018, 240, 35-52.	1.4	2
124	Neurophysiological evidence of how quiet eye supports motor performance. <i>Cognitive Processing</i> , 2021, 22, 641-648.	1.4	2
125	â€œIt's all about opportunityâ€ From professional contract to first-team regular. <i>Journal of Applied Sport Psychology</i> , 2022, 34, 1251-1271.	2.3	2
126	Eye Movements in Sports Research and Practice: Immersive Technologies as Optimal Environments for the Study of Gaze Behavior. <i>Neuromethods</i> , 2022, , 207-221.	0.3	2



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127	Cutting Errors in Surgery: Experience Limits Underestimation Bias in a Simulated Surgical Environment. <i>Journal of Surgical Education</i> , 2012, 69, 473-476.	2.5	1
128	Clarifying Assumptions about Intraoperative Stress during Surgical Performance: More Than a Stab in the Dark: Reply. <i>World Journal of Surgery</i> , 2012, 36, 481-482.	1.6	1
129	An Implicit Bias in Error Management?. <i>Annals of Surgery</i> , 2015, 261, e34.	4.2	1
130	Great British medalists: A commentary based on a developmental systems theory perspective. <i>Progress in Brain Research</i> , 2017, 232, 175-179.	1.4	1
131	In-task auditory performance-related feedback promotes cardiovascular markers of a challenge state during a pressurized task. <i>Anxiety, Stress and Coping</i> , 2020, 33, 497-510.	2.9	0