

Willem B Verwey

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.

80
papers

2,722
citations

29
h-index

50
g-index

84
ext. papers

2,995
ext. citations

2.6
avg, IF

5.52
L-index

#	Paper	IF	Citations
80	Learning and production of movement sequences: behavioral, neurophysiological, and modeling perspectives. <i>Human Movement Science</i> , 2004 , 23, 699-746	2.4	160
79	Concatenating familiar movement sequences: the versatile cognitive processor. <i>Acta Psychologica</i> , 2001 , 106, 69-95	1.7	154
78	Representing serial action and perception. <i>Psychonomic Bulletin and Review</i> , 2010 , 17, 603-23	4.1	140
77	Buffer loading and chunking in sequential keypressing.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1996 , 22, 544-562	2.6	119
76	Evidence for lasting sequence segmentation in the discrete sequence-production task. <i>Journal of Motor Behavior</i> , 2003 , 35, 171-81	1.4	117
75	Detecting short periods of elevated workload: A comparison of nine workload assessment techniques.. <i>Journal of Experimental Psychology: Applied</i> , 1996 , 2, 270-285	1.8	104
74	Fatigue, workload and adaptive driver systems. <i>Accident Analysis and Prevention</i> , 1997 , 29, 495-506	6.1	97
73	Evidence for a multistage model of practice in a sequential movement task.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1999 , 25, 1693-1708	2.6	96
72	On-line driver workload estimation. Effects of road situation and age on secondary task measures. <i>Ergonomics</i> , 2000 , 43, 187-209	2.9	93
71	Control of automated behavior: insights from the discrete sequence production task. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 82	3.3	90
70	Predicting drowsiness accidents from personal attributes, eye blinks and ongoing driving behaviour. <i>Personality and Individual Differences</i> , 2000 , 28, 123-142	3.3	80
69	Preventing drowsiness accidents by an alertness maintenance device. <i>Accident Analysis and Prevention</i> , 1999 , 31, 199-211	6.1	75
68	A cognitive framework for explaining serial processing and sequence execution strategies. <i>Psychonomic Bulletin and Review</i> , 2015 , 22, 54-77	4.1	73
67	On the role of the SMA in the discrete sequence production task: a TMS study. Transcranial Magnetic Stimulation. <i>Neuropsychologia</i> , 2002 , 40, 1268-76	3.2	73
66	Effector dependent sequence learning in the serial RT task. <i>Psychological Research</i> , 2005 , 69, 242-51	2.5	68
65	The role of stereopsis in virtual anatomical learning. <i>Interacting With Computers</i> , 2008 , 20, 455-460	1.6	60
64	Effector-independent and effector-dependent learning in the discrete sequence production task. <i>Psychological Research</i> , 2004 , 68, 64-70	2.5	59

63	Evidence for the development of concurrent processing in a sequential keypressing task. <i>Acta Psychologica</i> , 1994 , 85, 245-262	1.7	56
62	Consolidating behavioral and neurophysiologic findings to explain the influence of contextual interference during motor sequence learning. <i>Psychonomic Bulletin and Review</i> , 2016 , 23, 1-21	4.1	55
61	Diminished motor skill development in elderly: indications for limited motor chunk use. <i>Acta Psychologica</i> , 2010 , 134, 206-14	1.7	54
60	Optimizing conditions for computer-assisted anatomical learning. <i>Interacting With Computers</i> , 2006 , 18, 1123-1138	1.6	49
59	Processing modes and parallel processors in producing familiar keying sequences. <i>Psychological Research</i> , 2003 , 67, 106-22	2.5	47
58	Distinct modes of executing movement sequences: reacting, associating, and chunking. <i>Acta Psychologica</i> , 2012 , 140, 274-82	1.7	46
57	Segmentation of short keying sequences does not spontaneously transfer to other sequences. <i>Human Movement Science</i> , 2009 , 28, 348-61	2.4	46
56	Effect of sequence length on the execution of familiar keying sequences: lasting segmentation and preparation?. <i>Journal of Motor Behavior</i> , 2003 , 35, 343-54	1.4	38
55	Practicing a Structured Continuous Key-Pressing Task: Motor Chunking or Rhythm Consolidation?. <i>Journal of Motor Behavior</i> , 1996 , 28, 71-79	1.4	38
54	Motor skill learning in the middle-aged: limited development of motor chunks and explicit sequence knowledge. <i>Psychological Research</i> , 2011 , 75, 406-22	2.5	35
53	A Forthcoming Key Press Can Be Selected While Earlier Ones Are Executed. <i>Journal of Motor Behavior</i> , 1995 , 27, 275-284	1.4	30
52	Context-dependent motor skill and the role of practice. <i>Psychological Research</i> , 2012 , 76, 812-20	2.5	29
51	Context dependent learning in the serial RT task. <i>Psychological Research</i> , 2008 , 72, 397-404	2.5	29
50	Representations underlying skill in the discrete sequence production task: effect of hand used and hand position. <i>Psychological Research</i> , 2009 , 73, 685-94	2.5	25
49	Visuo-spatial ability in colonoscopy simulator training. <i>Advances in Health Sciences Education</i> , 2010 , 15, 685-94	3.7	25
48	Cognitive processing in new and practiced discrete keying sequences. <i>Frontiers in Psychology</i> , 2010 , 1, 32	3.4	23
47	Learning a keying sequence you never executed: evidence for independent associative and motor chunk learning. <i>Acta Psychologica</i> , 2014 , 151, 24-31	1.7	22
46	Chunking by colors: assessing discrete learning in a continuous serial reaction-time task. <i>Acta Psychologica</i> , 2011 , 137, 318-29	1.7	22

45	Cognitive and neural foundations of discrete sequence skill: a TMS study. <i>Neuropsychologia</i> , 2014 , 56, 229-38	3.2	21
44	The influence of motor imagery on the learning of a fine hand motor skill. <i>Experimental Brain Research</i> , 2017 , 235, 305-320	2.3	19
43	Nonlinear visuomotor transformations: locus and modularity. <i>Quarterly Journal of Experimental Psychology</i> , 2007 , 60, 1629-59	1.8	19
42	Sensory information in perceptual-motor sequence learning: visual and/or tactile stimuli. <i>Experimental Brain Research</i> , 2009 , 197, 175-83	2.3	18
41	Gaze behaviour and electrodermal activity: Objective measures of drivers' trust in automated vehicles. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2019 , 64, 401-412	4.5	17
40	Changes in Trust after Driving Level 2 Automated Cars. <i>Journal of Advanced Transportation</i> , 2018 , 2018, 1-9	1.9	17
39	Motor learning and chunking in dyslexia. <i>Journal of Motor Behavior</i> , 2009 , 41, 331-7	1.4	16
38	Context-dependent motor skill: perceptual processing in memory-based sequence production. <i>Experimental Brain Research</i> , 2012 , 222, 31-40	2.3	15
37	Asymmetrical learning between a tactile and visual serial RT task. <i>Quarterly Journal of Experimental Psychology</i> , 2008 , 61, 210-7	1.8	15
36	Effects of extended practice in a one-finger keypressing task. <i>Acta Psychologica</i> , 1993 , 84, 179-97	1.7	14
35	Sequential motor skill in preadolescent children: the development of automaticity. <i>Journal of Experimental Child Psychology</i> , 2013 , 115, 607-23	2.3	13
34	Post-error slowing in sequential action: an aging study. <i>Frontiers in Psychology</i> , 2014 , 5, 119	3.4	13
33	Discrete sequence production with and without a pause: the role of cortex, basal ganglia, and cerebellum. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 492	3.3	13
32	Contributions from associative and explicit sequence knowledge to the execution of discrete keying sequences. <i>Acta Psychologica</i> , 2015 , 157, 122-30	1.7	12
31	The stuff that motor chunks are made of: Spatial instead of motor representations?. <i>Experimental Brain Research</i> , 2016 , 234, 353-66	2.3	12
30	Visuospatial ability factors and performance variables in laparoscopic simulator training. <i>Learning and Individual Differences</i> , 2012 , 22, 632-638	3.1	12
29	Changes in the incidental context impacts search but not loading of the motor buffer. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 2004 , 57, 935-51		12
28	Similar Representations of Sequence Knowledge in Young and Older Adults: A Study of Effector Independent Transfer. <i>Frontiers in Psychology</i> , 2016 , 7, 1125	3.4	12

27	Evidence for graded central processing resources in a sequential movement task. <i>Psychological Research</i> , 2014 , 78, 70-83	2.5	11
26	What determines the impact of context on sequential action?. <i>Human Movement Science</i> , 2015 , 40, 298-314	3.1	10
25	The effect of continuous, nonlinearly transformed visual feedback on rapid aiming movements. <i>Experimental Brain Research</i> , 2008 , 191, 1-12	2.3	10
24	Redundant sensory information does not enhance sequence learning in the serial reaction time task. <i>Advances in Cognitive Psychology</i> , 2012 , 8, 109-120	1	10
23	Explaining the neural activity distribution associated with discrete movement sequences: Evidence for parallel functional systems. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2019 , 19, 138-153	3.5	9
22	Application of anodal tDCS at primary motor cortex immediately after practice of a motor sequence does not improve offline gain. <i>Experimental Brain Research</i> , 2020 , 238, 29-37	2.3	9
21	Improving novel motor learning through prior high contextual interference training. <i>Acta Psychologica</i> , 2018 , 182, 55-64	1.7	9
20	Comparing endoscopic systems on two simulated tasks. <i>Ergonomics</i> , 2005 , 48, 270-87	2.9	7
19	The Contribution of Dynamic Exploration to Virtual Anatomical Learning. <i>Advances in Human-Computer Interaction</i> , 2011 , 2011, 1-6	2.8	6
18	Redundant sensory information does not enhance sequence learning in the serial reaction time task. <i>Advances in Cognitive Psychology</i> , 2012 , 8, 109-20	1	5
17	Training Motor Sequences: Effects of Speed and Accuracy Instructions. <i>Journal of Motor Behavior</i> , 2019 , 51, 540-550	1.4	5
16	Skill in discrete keying sequences is execution rate specific. <i>Psychological Research</i> , 2019 , 83, 235-246	2.5	5
15	The Simon effect in a discrete sequence production task: Key-specific stimuli cannot be ignored due to attentional capture. <i>Acta Psychologica</i> , 2020 , 205, 103044	1.7	4
14	Supporting Drivers of Partially Automated Cars through an Adaptive Digital In-Car Tutor. <i>Information (Switzerland)</i> , 2020 , 11, 185	2.6	4
13	Differences in chunking behavior between young and older adults diminish with extended practice. <i>Psychological Research</i> , 2019 , 83, 275-285	2.5	4
12	Isoluminant stimuli in a familiar discrete keying sequence task can be ignored. <i>Psychological Research</i> , 2021 , 85, 793-807	2.5	3
11	Multi-session Transcranial Direct Current Stimulation Over Primary Motor Cortex Facilitates Sequence Learning, Chunking, and One Year Retention. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 75	3.3	2
10	The Neural Basis of Cognitive Efficiency in Motor Skill Performance from Early Learning to Automatic Stages. <i>Cognitive Science and Technology</i> , 2020 , 221-249	0.2	2

9	Frontal brain areas are more involved during motor imagery than during motor execution/preparation of a response sequence. <i>International Journal of Psychophysiology</i> , 2021 , 164, 71-86	2.9	2
8	Regular participation in leisure time activities and high cardiovascular fitness improve motor sequence learning in older adults. <i>Psychological Research</i> , 2021 , 85, 1488-1502	2.5	1
7	Improving clarity, cooperation and driver experience in lane change manoeuvres. <i>Transportation Research Interdisciplinary Perspectives</i> , 2022 , 13, 100553	7.3	1
6	A multi-representation approach to the contextual interference effect: effects of sequence length and practice. <i>Psychological Research</i> , 2021 , 1	2.5	1
5	The Cognitive Status of Older Adults: Do Reduced Time Constraints Enhance Sequence Learning?. <i>Journal of Motor Behavior</i> , 2020 , 52, 558-569	1.4	1
4	A Novel Technique for Faster Responses to Take Over Requests in an Automated Vehicle 2021 ,		1
3	Anodal Transcranial Direct Current Stimulation Over Prefrontal Cortex Slows Sequence Learning in Older Adults.. <i>Frontiers in Human Neuroscience</i> , 2022 , 16, 814204	3.3	1
2	Do engineer perceptions about automated vehicles match user trust? Consequences for design. <i>Transportation Research Interdisciplinary Perspectives</i> , 2020 , 8, 100251	7.3	0
1	Consolidation of motor sequence learning eliminates susceptibility of SMAproper to TMS: a combined rTMS and cTBS study.. <i>Experimental Brain Research</i> , 2022 , 1	2.3	