

# Robert J Van Beers

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,592  
citations

361413

20  
h-index

377865

34  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2239  
citing authors

#	ARTICLE	IF	CITATIONS
1	A neural surveyor to map touch on the body. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
2	Even well-practiced movements benefit from repetition. Journal of Neurophysiology, 2022, 127, 1407-1416.	1.8	2
3	Movement preparation time determines movement variability. Journal of Neurophysiology, 2021, 125, 2375-2383.	1.8	12
4	Sensitivity to error during visuomotor adaptation is similarly modulated by abrupt, gradual, and random perturbation schedules. Journal of Neurophysiology, 2021, 126, 934-945.	1.8	12
5	When Is Moving a Cursor With a Computer Mouse Intuitive?. Perception, 2020, 49, 484-487.	1.2	5
6	Vestibular modulation of visuomotor feedback gains in reaching. Journal of Neurophysiology, 2019, 122, 947-957.	1.8	12
7	Prediction and final temporal errors are used for trial-to-trial motor corrections. Scientific Reports, 2019, 9, 19230.	3.3	9
8	Bayesian adaptive stimulus selection for dissociating models of psychophysical data. Journal of Vision, 2018, 18, 12.	0.3	1
9	Decisions in motion: passive body acceleration modulates hand choice. Journal of Neurophysiology, 2017, 117, 2250-2261.	1.8	19
10	Flexible Visuomotor Associations in Touchscreen Control. Frontiers in Human Neuroscience, 2017, 11, 558.	2.0	0
11	Effect of depth information on multiple-object tracking in three dimensions: A probabilistic perspective. PLoS Computational Biology, 2017, 13, e1005554.	3.2	5
12	Visuomotor Adaptation: How Forgetting Keeps Us Conservative. PLoS ONE, 2015, 10, e0117901.	2.5	35
13	Structure learning and the Occam's razor principle: a new view of human function acquisition. Frontiers in Computational Neuroscience, 2014, 8, 121.	2.1	13
14	How the required precision influences the way we intercept a moving object. Experimental Brain Research, 2013, 230, 207-218.	1.5	15
15	Random walk of motor planning in task-irrelevant dimensions. Journal of Neurophysiology, 2013, 109, 969-977.	1.8	76
16	Alignment to natural and imposed mismatches between the senses. Journal of Neurophysiology, 2013, 109, 1890-1899.	1.8	37
17	Sensorimotor priors in nonstationary environments. Journal of Neurophysiology, 2013, 109, 1259-1267.	1.8	22
18	How the Statistics of Sequential Presentation Influence the Learning of Structure. PLoS ONE, 2013, 8, e62276.	2.5	9

#	ARTICLE	IF	CITATIONS
19	What Autocorrelation Tells Us about Motor Variability: Insights from Dart Throwing. PLoS ONE, 2013, 8, e64332.	2.5	39
20	How Does Our Motor System Determine Its Learning Rate?. PLoS ONE, 2012, 7, e49373.	2.5	48
21	Reweighting visual cues by touch. Journal of Vision, 2011, 11, 20-20.	0.3	28
22	Motor Learning Is Optimally Tuned to the Properties of Motor Noise. Neuron, 2009, 63, 406-417.	8.1	227
23	Saccadic Eye Movements Minimize the Consequences of Motor Noise. PLoS ONE, 2008, 3, e2070.	2.5	63
24	The Sources of Variability in Saccadic Eye Movements. Journal of Neuroscience, 2007, 27, 8757-8770.	3.6	151
25	The role of uncertainty in the systematic spatial mislocalization of moving objects.. Journal of Experimental Psychology: Human Perception and Performance, 2006, 32, 811-825.	0.9	40
26	Sensory integration does not lead to sensory calibration. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18781-18786.	7.1	199
27	The Role of Execution Noise in Movement Variability. Journal of Neurophysiology, 2004, 91, 1050-1063.	1.8	385
28	Role of uncertainty in sensorimotor control. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1137-1145.	4.0	192
29	When Feeling Is More Important Than Seeing in Sensorimotor Adaptation. Current Biology, 2002, 12, 834-837.	3.9	532
30	Action and awareness in pointing tasks. Experimental Brain Research, 2002, 146, 451-459.	1.5	69
31	ADAPTATION IN ONE MODALITY CAN PRODUCE AFTER-EFFECTS IN A DIFFERENT MODALITY. NeuroReport, 2002, 13, 1096.	1.2	0
32	Sensorimotor Integration Compensates for Visual Localization Errors During Smooth Pursuit Eye Movements. Journal of Neurophysiology, 2001, 85, 1914-1922.	1.8	67
33	VARIABLE MOVEMENTS, VARIABLE THEORIES. NeuroReport, 2001, 12, A67-A68.	1.2	0
34	Integration of Proprioceptive and Visual Position-Information: An Experimentally Supported Model. Journal of Neurophysiology, 1999, 81, 1355-1364.	1.8	632
35	Localization of a seen finger is based exclusively on proprioception and on vision of the finger. Experimental Brain Research, 1999, 125, 43-49.	1.5	60
36	The precision of proprioceptive position sense. Experimental Brain Research, 1998, 122, 367-377.	1.5	337

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37	How humans combine simultaneous proprioceptive and visual position information. <i>Experimental Brain Research</i> , 1996, 111, 253-261.	1.5	228
38	Clouds, aerosols and biogeochemical cycles: risks of non-linear climate change. <i>Studies in Environmental Science</i> , 1995, 65, 1371-1376.	0.0	0