Jeroen B J Smeets

List of Publications by Citations

293 papers	6,503 citations	41 h-index	67 g-index
305 ext. papers	7,261 ext. citations	2.3 avg, IF	6.14 L-index

#	Paper	IF	Citations
293	A new view on grasping. *Motor Control*, **1999**, 3, 237-71	1.3	416
292	Perception and action are based on the same visual information: distinction between position and velocity.. *Journal of Experimental Psychology: Human Perception and Performance*, **1995**, 21, 19-31	2.6	198
291	Sensory integration does not lead to sensory calibration. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 18781-6	11.5	171
290	Fast Responses of the Human Hand to Changes in Target Position. *Journal of Motor Behavior*, **1997**, 29, 297-310	1.4	169
289	Motion extrapolation is not responsible for the flash-lag effect. *Vision Research*, **2000**, 40, 1645-8	2.1	146
288	Hitting moving targets. Continuous control of the acceleration of the hand on the basis of the target's velocity. *Experimental Brain Research*, **1998**, 122, 467-74	2.3	145
287	Size illusion influences how we lift but not how we grasp an object. *Experimental Brain Research*, **1996**, 111, 473-6	2.3	139
286	Illusions in action: consequences of inconsistent processing of spatial attributes. *Experimental Brain Research*, **2002**, 147, 135-44	2.3	131
285	The difference between the perception of absolute and relative motion: a reaction time study. *Vision Research*, **1994**, 34, 191-5	2.1	121
284	Adjustments of fast goal-directed movements in response to an unexpected inertial load. *Experimental Brain Research*, **1990**, 81, 303-12	2.3	102
283	On the relation between object shape and grasping kinematics. *Journal of Neurophysiology*, **2004**, 91, 2598-606	3.2	95
282	10 years of illusions. *Journal of Experimental Psychology: Human Perception and Performance*, **2006**, 32, 1501-4	2.6	91
281	Early components of the human vestibulo-ocular response to head rotation: latency and gain. *Journal of Neurophysiology*, **2000**, 84, 376-89	3.2	87
280	Perception of acceleration with short presentation times: can acceleration be used in interception?. *Perception & Psychophysics*, **2002**, 64, 1160-8		81
279	Independent movements of the digits in grasping. *Experimental Brain Research*, **2001**, 139, 92-100	2.3	80
278	Fast corrections of movements with a computer mouse. *Spatial Vision*, **2003**, 16, 365-76		79
277	Multiple information sources in interceptive timing. *Human Movement Science*, **1997**, 16, 787-821	2.4	78

276	Nature of variability in saccades. *Journal of Neurophysiology*, **2003**, 90, 12-20	3.2	78
275	Smooth eye movements and spatial localisation. *Vision Research*, **2001**, 41, 2253-9	2.1	77
274	Hitting moving targets: Co-operative control of when and where *Human Movement Science*, **1996**, 15, 39-53	2.4	74
273	Grasping Weber's law. *Current Biology*, **2008**, 18, R1089-90; author reply R1090-1	6.3	65
272	The effect of expectations on hitting moving targets: influence of the preceding target's speed. *Experimental Brain Research*, **2001**, 137, 246-8	2.3	64
271	The structure of a clean and oxygen covered copper surface studied by low energy ion scattering. *Surface Science*, **1989**, 214, 111-140	1.8	64
270	Robust movement segmentation by combining multiple sources of information. *Journal of Neuroscience Methods*, **2010**, 187, 147-55	3	63
269	Hitting moving objects. The dependency of hand velocity on the speed of the target. *Experimental Brain Research*, **2000**, 133, 242-8	2.3	63
268	The use of proprioception and tactile information in haptic search. *Acta Psychologica*, **2008**, 129, 83-90	1.7	62
267	Random walk of motor planning in task-irrelevant dimensions. *Journal of Neurophysiology*, **2013**, 109, 969-77	3.2	59
266	The latency for correcting a movement depends on the visual attribute that defines the target. *Experimental Brain Research*, **2008**, 187, 219-28	2.3	59
265	Hitting moving targets: a dissociation between the use of the target's speed and direction of motion. *Experimental Brain Research*, **2003**, 152, 368-75	2.3	58
264	Fast and fine-tuned corrections when the target of a hand movement is displaced. *Experimental Brain Research*, **2011**, 214, 453-62	2.3	57
263	Illusions as a tool to study the coding of pointing movements. *Experimental Brain Research*, **2004**, 155, 56-62	2.3	57
262	Throwing darts: timing is not the limiting factor. *Experimental Brain Research*, **2002**, 144, 268-74	2.3	57
261	Hitting moving objects: is target speed used in guiding the hand?. *Experimental Brain Research*, **2002**, 143, 198-211	2.3	56
260	We are better off without perfect perception. *Behavioral and Brain Sciences*, **2001**, 24, 215-216	0.9	51
259	Continuous visual control of interception. *Human Movement Science*, **2011**, 30, 475-94	2.4	50

258	Goal-directed arm movements change eye-head coordination. *Experimental Brain Research*, **1996**, 109, 434-40	2.3	48
257	Relapse and stability of surgically assisted rapid maxillary expansion: an anatomic biomechanical study. *Journal of Oral and Maxillofacial Surgery*, **2009**, 67, 10-4	1.8	46
256	Haptic search with finger movements: using more fingers does not necessarily reduce search times. *Experimental Brain Research*, **2007**, 182, 427-34	2.3	46
255	Fast adjustments of ongoing movements in hemiparetic cerebral palsy. *Neuropsychologia*, **2002**, 40, 16-27	3.2	46
254	An unsupervised neural network model for the development of reflex co-ordination. *Biological Cybernetics*, **1994**, 70, 417-25	2.8	44
253	Catching a gently thrown ball. *Experimental Brain Research*, **2010**, 206, 409-17	2.3	42
252	Endpoints of arm movements to visual targets. *Experimental Brain Research*, **2001**, 138, 279-87	2.3	41
251	Is judging time-to-contact based on 'tau'?. *Perception*, **1996**, 25, 583-90	1.2	41
250	Prediction of saccadic amplitude during smooth pursuit eye movements. *Human Movement Science*, **2000**, 19, 275-295	2.4	40
249	How people achieve their amazing temporal precision in interception. *Journal of Vision*, **2015**, 15,	0.4	39
248	Movement Adjustments Have Short Latencies Because There is No Need to Detect Anything. *Motor Control*, **2016**, 20, 137-48	1.3	38
247	Effects of the Ebbinghaus figure on grasping are not only due to misjudged size. *Experimental Brain Research*, **2005**, 163, 58-64	2.3	38
246	A new binocular cue for absolute distance: Disparity relative to the most distant structure. *Vision Research*, **2010**, 50, 1786-92	2.1	36
245	The role of uncertainty in the systematic spatial mislocalization of moving objects. *Journal of Experimental Psychology: Human Perception and Performance*, **2006**, 32, 811-25	2.6	35
244	Sources of variability in interceptive movements. *Experimental Brain Research*, **2009**, 195, 117-33	2.3	34
243	Avoiding moving obstacles. *Experimental Brain Research*, **2008**, 190, 251-64	2.3	32
242	Modeling the time-dependent effect of the Ebbinghaus illusion on grasping. *Spatial Vision*, **2003**, 16, 311-24		32
241	The influence of obstacles on the speed of grasping. *Experimental Brain Research*, **2003**, 149, 530-4	2.3	31

240	Hitting moving targets: effects of target speed and dimensions on movement time. *Experimental Brain Research*, **2005**, 165, 28-36	2.3	31
239	Temporal information can influence spatial localization. *Journal of Neurophysiology*, **2009**, 102, 490-5	3.2	29
238	Time course of the effect of the Muller-Lyer illusion on saccades and perceptual judgments. *Journal of Vision*, **2014**, 14,	0.4	28
237	Colour vision can contribute to fast corrections of arm movements. *Experimental Brain Research*, **2004**, 158, 302-7	2.3	28
236	Errors in visuo-haptic and haptic-haptic location matching are stable over long periods of time. *Acta Psychologica*, **2016**, 166, 31-6	1.7	27
235	Alignment to natural and imposed mismatches between the senses. *Journal of Neurophysiology*, **2013**, 109, 1890-9	3.2	27
234	Visuomotor adaptation: how forgetting keeps us conservative. *PLoS ONE*, **2015**, 10, e0117901	3.7	27
233	Relative finger position influences whether you can localize tactile stimuli. *Experimental Brain Research*, **2011**, 208, 245-55	2.3	26
232	The relation between task history and movement strategy. *Behavioural Brain Research*, **2002**, 129, 51-9	3.4	26
231	Action beyond our grasp. *Trends in Cognitive Sciences*, **2001**, 5, 287	14	26
230	Optimising filtering parameters for a 3D motion analysis system. *Journal of Electromyography and Kinesiology*, **2015**, 25, 808-14	2.5	25
229	Relative damping improves linear mass-spring models of goal-directed movements. *Human Movement Science*, **2002**, 21, 85-100	2.4	25
228	Comparing extra-retinal information about distance and direction. *Vision Research*, **2000**, 40, 1649-51	2.1	25
227	Analysis of methods to determine the latency of online movement adjustments. *Behavior Research Methods*, **2014**, 46, 131-9	6.1	24
226	Posture of the arm when grasping spheres to place them elsewhere. *Experimental Brain Research*, **2010**, 204, 163-71	2.3	24
225	Planning movements well in advance. *Cognitive Neuropsychology*, **2008**, 25, 985-95	2.3	23
224	Flexibility in intercepting moving objects. *Journal of Vision*, **2007**, 7, 14.1-17	0.4	23
223	Chromatic induction and the layout of colours within a complex scene. *Vision Research*, **2003**, 43, 1413-21	2.1	23

222	Ultra-fast selection of grasping points. *Journal of Neurophysiology*, **2013**, 110, 1484-9	3.2	23
221	Reweighting visual cues by touch. *Journal of Vision*, **2011**, 11,	0.4	22
220	Haptic search is more efficient when the stimulus can be interpreted as consisting of fewer items. *Acta Psychologica*, **2008**, 127, 51-6	1.7	22
219	Why are saccades influenced by the Brentano illusion?. *Experimental Brain Research*, **2006**, 175, 177-82	2.3	22
218	Grasping kinematics from the perspective of the individual digits: a modelling study. *PLoS ONE*, **2012**, 7, e33150	3.7	22
217	Matching locations is not just matching sensory representations. *Experimental Brain Research*, **2017**, 235, 533-545	2.3	21
216	Quickly 'learning' to move optimally. *Experimental Brain Research*, **2011**, 213, 153-61	2.3	21
215	The effects of pause software on the temporal characteristics of computer use. *Ergonomics*, **2007**, 50, 178-91	2.9	21
214	Determining whether a ball will land behind or in front of you: not just a combination of expansion and angular velocity. *Vision Research*, **2006**, 46, 382-91	2.1	21
213	Do obstacles affect the selection of grasping points?. *Human Movement Science*, **2012**, 31, 1090-102	2.4	20
212	Mass is all that matters in the size-weight illusion. *PLoS ONE*, **2012**, 7, e42518	3.7	20
211	Proprioception is robust under external forces. *PLoS ONE*, **2013**, 8, e74236	3.7	20
210	Grasping trapezoidal objects. *Experimental Brain Research*, **2007**, 180, 415-20	2.3	20
209	Independent control of the digits predicts an apparent hierarchy of visuomotor channels in grasping. *Behavioural Brain Research*, **2002**, 136, 427-32	3.4	20
208	Prediction of a moving target's position in fast goal-directed action. *Biological Cybernetics*, **1995**, 73, 519-28	2.8	20
207	Different frames of reference for position and motion. *Die Naturwissenschaften*, **1994**, 81, 30-2	2	20
206	How moving backgrounds influence interception. *PLoS ONE*, **2015**, 10, e0119903	3.7	19
205	Do humans prefer to see their grasping points?. *Journal of Motor Behavior*, **2012**, 44, 295-304	1.4	19

204	Does planning a different trajectory influence the choice of grasping points?. *Experimental Brain Research*, **2010**, 206, 15-24	2.3	19
203	Effects of texture and shape on perceived time to passage: knowing "what" influences judging "when". *Perception & Psychophysics*, **2007**, 69, 887-94		19
202	Parallel and serial search in haptics. *Perception & Psychophysics*, **2007**, 69, 1059-69		19
201	Are the original Roelofs effect and the induced Roelofs effect caused by the same shift in straight ahead?. *Vision Research*, **2002**, 42, 2279-85	2.1	19
200	Comparing online adjustments to distance and direction in fast pointing movements. *Journal of Motor Behavior*, **2013**, 45, 395-404	1.4	18
199	Haptic subitizing across the fingers. *Attention, Perception, and Psychophysics*, **2011**, 73, 1579-85	2	18
198	Can illumination estimates provide the basis for color constancy?. *Journal of Vision*, **2009**, 9, 18.1-11	0.4	18
197	Temporal uncertainty separates flashes from their background during saccades. *Journal of Neuroscience*, **2011**, 31, 3708-11	6.6	18
196	Flashes are localised as if they were moving with the eyes. *Vision Research*, **2005**, 45, 355-64	2.1	18
195	How vertical disparities assist judgements of distance. *Vision Research*, **2001**, 41, 3455-65	2.1	18
194	Using a stick does not necessarily alter judged distances or reachability. *PLoS ONE*, **2011**, 6, e16697	3.7	18
193	Continuously updating one's predictions underlies successful interception. *Journal of Neurophysiology*, **2018**, 120, 3257-3274	3.2	18
192	Does a complex model help to understand grasping?. *Experimental Brain Research*, **2002**, 144, 132-5	2.3	17
191	Perceptual requirements for fast manual responses. *Experimental Brain Research*, **2003**, 153, 246-52	2.3	17
190	Forget binning and get SMART: Getting more out of the time-course of response data. *Attention, Perception, and Psychophysics*, **2019**, 81, 2956-2967	2	16
189	Center or side: biases in selecting grasp points on small bars. *Experimental Brain Research*, **2014**, 232, 2061-72	2.3	16
188	Potential Systematic Interception Errors are Avoided When Tracking the Target with One's Eyes. *Scientific Reports*, **2017**, 7, 10793	4.9	16
187	Consistent haptic feedback is required but it is not enough for natural reaching to virtual cylinders. *Human Movement Science*, **2008**, 27, 857-72	2.4	16

186	Judging surface slant for placing objects: a role for motion parallax. *Experimental Brain Research*, **2007**, 183, 149-58	2.3	16
185	Comparing the sensitivity of manual pursuit and perceptual judgments to pictorial depth effects. *Psychological Science*, **2003**, 14, 232-6	7.9	16
184	Luminance-color correlation is not used to estimate the color of the illumination. *Journal of Vision*, **2005**, 5, 20-7	0.4	16
183	Fixation Biases towards the Index Finger in Almost-Natural Grasping. *PLoS ONE*, **2016**, 11, e0146864	3.7	16
182	Sensorimotor priors in nonstationary environments. *Journal of Neurophysiology*, **2013**, 109, 1259-67	3.2	15
181	Slant cues are processed with different latencies for the online control of movement. *Journal of Vision*, **2009**, 9, 25.1-8	0.4	15
180	Judging an unfamiliar object's distance from its retinal image size. *Journal of Vision*, **2011**, 11,	0.4	15
179	Temporally stable adaptation is robust, incomplete and specific. *European Journal of Neuroscience*, **2016**, 44, 2708-2715	3.5	14
178	Conclusions on motor control depend on the type of model used to represent the periphery. *Biological Cybernetics*, **2012**, 106, 441-51	2.8	14
177	Number magnitude to finger mapping is disembodied and topological. *Experimental Brain Research*, **2011**, 209, 395-400	2.3	14
176	If I saw it, it probably wasn't far from where I was looking. *Journal of Vision*, **2008**, 8, 7.1-10	0.4	14
175	Grasping the Müller-Lyer illusion: not a change in perceived length. *Experimental Brain Research*, **2007**, 176, 497-503	2.3	14
174	The quantitative use of velocity information in fast interception. *Experimental Brain Research*, **2004**, 157, 181-96	2.3	14
173	Adaptation of movement endpoints to perturbations of visual feedback. *Experimental Brain Research*, **2003**, 148, 471-81	2.3	14
172	Errors in interception can be predicted from errors in perception. *Cortex*, **2018**, 98, 49-59	3.8	13
171	A review of grasping as the movements of digits in space. *Journal of Neurophysiology*, **2019**, 122, 1578-1597	3.2	13
170	Precise timing when hitting falling balls. *Frontiers in Human Neuroscience*, **2014**, 8, 342	3.3	13
169	Statistics predict kinematics of hand movements during everyday activity. *Journal of Motor Behavior*, **2009**, 41, 3-9	1.4	13

168	Similarities between digits' movements in grasping, touching and pushing. *Experimental Brain Research*, **2010**, 203, 339-46	2.3	13
167	Two eyes in action. *Experimental Brain Research*, **2006**, 170, 302-11	2.3	13
166	Body-centered visuomotor adaptation. *Journal of Neurophysiology*, **2004**, 92, 416-23	3.2	13
165	A visual illusion that influences perception and action through the dorsal pathway. *Communications Biology*, **2019**, 2, 38	6.7	12
164	Torques do not influence proprioceptive localization of the hand. *Experimental Brain Research*, **2015**, 233, 61-8	2.3	12
163	Dynamic representations of visual space for perception and action. *Cortex*, **2018**, 98, 194-202	3.8	12
162	How Can People Be so Good at Intercepting Accelerating Objects if They Are so Poor at Visually Judging Acceleration?. *I-Perception*, **2016**, 7, 2041669515624317	1.2	12
161	The use of the saccade target as a visual reference when localizing flashes during saccades. *Journal of Vision*, **2010**, 10, 7.1-9	0.4	12
160	Serial search for fingers of the same hand but not for fingers of different hands. *Experimental Brain Research*, **2010**, 202, 261-4	2.3	12
159	The relation between force and movement when grasping an object with a precision grip. *Experimental Brain Research*, **2006**, 171, 347-57	2.3	12
158	Mislocalization of targets flashed during smooth pursuit depends on the change in gaze direction after the flash. *Journal of Vision*, **2004**, 4, 564-74	0.4	12
157	Spatial but not temporal cueing influences the mislocalisation of a target flashed during smooth pursuit. *Perception*, **2002**, 31, 1195-203	1.2	12
156	Curved movement paths and the Hering illusion: Positions or directions?. *Visual Cognition*, **2004**, 11, 255-284	2.4	12
155	Curvature in hand movements as a result of visual misjudgements of direction. *Spatial Vision*, **2002**, 15, 393-414		12
154	Independent control of acceleration and direction of the hand when hitting moving targets. *Spatial Vision*, **2002**, 15, 129-40		12
153	Quantifying exploration in reward-based motor learning. *PLoS ONE*, **2020**, 15, e0226789	3.7	11
152	Timing the moment of impact in fast human movements. *Acta Psychologica*, **2012**, 141, 104-11	1.7	11
151	Peri-saccadic mislocalization is not influenced by the predictability of the saccade target location. *Vision Research*, **2011**, 51, 154-9	2.1	11

150	Reliable identification by color under natural conditions. *Journal of Vision*, **2009**, 9, 39.1-8	0.4	11
149	Combining eye and hand in search is suboptimal. *Experimental Brain Research*, **2009**, 197, 395-401	2.3	11
148	Holding an object one is looking at: kinesthetic information on the object's distance does not improve visual judgments of its size. *Perception & Psychophysics*, **1997**, 59, 1153-9		11
147	Perceiving colour at a glimpse: the relevance of where one fixates. *Vision Research*, **2007**, 47, 2557-68	2.1	11
146	Grasping reveals visual misjudgements of shape. *Experimental Brain Research*, **2006**, 175, 32-44	2.3	11
145	Perturbations of Fast Goal-Directed Arm Movements: Different Behavior of Early and Late EMG Responses. *Journal of Motor Behavior*, **1995**, 27, 77-88	1.4	11
144	Bi-articular muscles and the accuracy of motor control. *Human Movement Science*, **1994**, 13, 587-600	2.4	11
143	How various aspects of motion parallax influence distance judgments, even when we think we are standing still. *Journal of Vision*, **2016**, 16, 8	0.4	11
142	Postural responses to target jumps and background motion in a fast pointing task. *Experimental Brain Research*, **2018**, 236, 1573-1581	2.3	10
141	How well can people judge when something happened?. *Vision Research*, **2010**, 50, 1101-8	2.1	10
140	Quickly tapping targets that are flashed during smooth pursuit reveals perceptual mislocalisations. *Experimental Brain Research*, **2004**, 156, 409-14	2.3	10
139	Reward-based motor adaptation can generalize across actions. *Journal of Experimental Psychology: Learning Memory and Cognition*, **2019**, 45, 71-81	2.2	10
138	Object size can influence perceived weight independent of visual estimates of the volume of material. *Scientific Reports*, **2015**, 5, 17719	4.9	10
137	Gaze when reaching to grasp a glass. *Journal of Vision*, **2018**, 18, 16	0.4	10
136	Fast responses to stepping-target displacements when walking. *Journal of Physiology*, **2020**, 598, 1987-2000	3.9	9
135	Exploratory movements determine cue weighting in haptic length perception of handheld rods. *Journal of Neurophysiology*, **2010**, 104, 2821-30	3.2	9
134	Isometric torque-angle relationships of the elbow flexors and extensors in the transverse plane. *Journal of Electromyography and Kinesiology*, **2010**, 20, 923-31	2.5	9
133	Are people adapted to their own glasses?. *Perception*, **2012**, 41, 991-3	1.2	9

132	Illusions can warp visual space. *Perception*, **2009**, 38, 1467-80	1.2	9
131	Proprioceptive Localization of the Hand Changes When Skin Stretch around the Elbow Is Manipulated. *Frontiers in Psychology*, **2016**, 7, 1620	3.4	9
130	How Can You Best Measure Reaction Times?. *Journal of Motor Behavior*, **2019**, 51, 486-495	1.4	9
129	Grasping Occam's razor. *Advances in Experimental Medicine and Biology*, **2009**, 629, 499-522	3.6	9
128	The Müller-Lyer illusion affects visuomotor updating in the dorsal visual stream. *Neuropsychologia*, **2015**, 77, 119-27	3.2	8
127	Why some size illusions affect grip aperture. *Experimental Brain Research*, **2020**, 238, 969-979	2.3	8
126	Effective Propulsion in Swimming: Grasping the Hydrodynamics of Hand and Arm Movements. *Journal of Applied Biomechanics*, **2017**, 33, 87-100	1.2	8
125	Structure learning and the Occam's razor principle: a new view of human function acquisition. *Frontiers in Computational Neuroscience*, **2014**, 8, 121	3.5	8
124	The influence of target object shape on maximum grip aperture in human grasping movements. *Experimental Brain Research*, **2014**, 232, 3569-78	2.3	8
123	How the statistics of sequential presentation influence the learning of structure. *PLoS ONE*, **2013**, 8, e62276	3.7	8
122	Testing a counter-intuitive prediction of optimal cue combination. *Vision Research*, **2009**, 49, 134-9	2.1	8
121	Modifying one's hand's trajectory when a moving target's orientation changes. *Experimental Brain Research*, **2009**, 196, 375-83	2.3	8
120	Does size matter?. *Perception*, **2012**, 41, 1532-4	1.2	8
119	Temporal aspects of cue combination. *Journal of Vision*, **2007**, 7, 8.1-11	0.4	8
118	Grip formation as an emergent property. Response To commentaries on "A new view on grasping". *Motor Control*, **1999**, 3, 316-25	1.3	8
117	Moving the weber fraction: the perceptual precision for moment of inertia increases with exploration force. *PLoS ONE*, **2012**, 7, e42941	3.7	8
116	Proprioceptive Biases in Different Experimental Designs. *Lecture Notes in Computer Science*, **2014**, 18-24	0.9	8
115	The Limits of Predictive Remapping of Attention Across Eye Movements. *Frontiers in Psychology*, **2019**, 10, 1146	3.4	7

114	The predictability of a target's motion influences gaze, head, and hand movements when trying to intercept it. *Journal of Neurophysiology*, **2019**, 121, 2416-2427	3.2	7
113	When Does One Decide How Heavy an Object Feels While Picking It Up?. *Psychological Science*, **2019**, 30, 822-829	7.9	7
112	Shifted visual feedback of the hand affects reachability judgments in interception. *Vision Research*, **2013**, 88, 30-7	2.1	7
111	The effect of different inter-pad distances on the determination of active drag using the Measuring Active Drag system. *Journal of Biomechanics*, **2013**, 46, 1933-7	2.9	7
110	Vector and position coding in goal-directed movements. *Experimental Brain Research*, **2017**, 235, 681-689	2.3	7
109	Integration of tactile input across fingers in a patient with finger agnosia. *Neuropsychologia*, **2011**, 49, 138-46	3.2	7
108	Better performance with two eyes than with one in stereo-blind subjects' judgments of motion in depth. *Vision Research*, **2011**, 51, 1249-53	2.1	7
107	Misjudging where you felt a light switch in a dark room. *Experimental Brain Research*, **2011**, 213, 223-7	2.3	7
106	Slant cue are combined early in visual processing: evidence from visual search. *Vision Research*, **2009**, 49, 257-61	2.1	7
105	Living up to optimal expectations. *Journal of Vision*, **2007**, 7, 2	0.4	7
104	Combining local and global contributions to perceived colour: an analysis of the variability in symmetric and asymmetric colour matching. *Vision Research*, **2007**, 47, 114-25	2.1	7
103	The contribution of covariation to skill improvement is an ambiguous measure: comment on Müller and Sternad (2004). *Journal of Experimental Psychology: Human Perception and Performance*, **2007**, 33, 246-9; discussion 250-5	2.6	7
102	When is behavioral data evidence for a control theory? Tau-coupling revisited. *Motor Control*, **2003**, 7, 103-10	1.3	7
101	Perception and Action Are Inseparable. *Ecological Psychology*, **2001**, 13, 163-166	1.5	7
100	Unusual prism adaptation reveals how grasping is controlled. *ELife*, **2017**, 6,	8.9	7
99	Correcting for natural visuo-proprioceptive matching errors based on reward as opposed to error feedback does not lead to higher retention. *Experimental Brain Research*, **2019**, 237, 735-741	2.3	7
98	Target-distractor competition cannot be resolved across a saccade. *Scientific Reports*, **2018**, 8, 15709	4.9	7
97	Hitting a target is fundamentally different from avoiding obstacles. *Vision Research*, **2015**, 110, 166-78	2.1	6

96	Grasping an object comfortably: orientation information is held in memory. *Experimental Brain Research*, **2015**, 233, 2663-72	2.3	6
95	Depth Perception **2018**, 1-30		6
94	Keeping a target in memory does not increase the effect of the Müller-Lyer illusion on saccades. *Experimental Brain Research*, **2016**, 234, 977-83	2.3	6
93	Accumulating visual information for action. *Progress in Brain Research*, **2017**, 236, 75-95	2.9	6
92	Adapting haptic guidance authority based on user grip **2014**,		6
91	Introduction of the "Rotterdam mandibular distractor" and a biomechanical skull analysis of mandibular midline distraction. *British Journal of Oral and Maxillofacial Surgery*, **2012**, 50, 519-22	1.4	6
90	The influence of previously seen objects' sizes in distance judgments. *Journal of Vision*, **2013**, 13, 2	0.4	6
89	The Brentano illusion influences goal-directed movements of the left and right hand to the same extent. *Experimental Brain Research*, **2009**, 193, 421-7	2.3	6
88	Impact forces cannot explain the one-target advantage in rapid aimed hand movements. *Human Movement Science*, **2003**, 22, 365-76	2.4	6
87	Components of motion perception revealed: two different after-effects from a single moving object. *Vision Research*, **2004**, 44, 2545-9	2.1	6
86	Haptic Guidance Needs to Be Intuitive Not Just Informative to Improve Human Motor Accuracy. *PLoS ONE*, **2016**, 11, e0150912	3.7	6
85	Synergies in Grasping. *Advances in Experimental Medicine and Biology*, **2016**, 957, 21-34	3.6	6
84	Effects of Aging on Postural Responses to Visual Perturbations During Fast Pointing. *Frontiers in Aging Neuroscience*, **2018**, 10, 401	5.3	6
83	Quickly making the correct choice. *Vision Research*, **2015**, 113, 198-210	2.1	5
82	Visual information is required to reduce the global effect. *Attention, Perception, and Psychophysics*, **2020**, 82, 2340-2347	2	5
81	Spatial Representation of the Workspace in Blind, Low Vision, and Sighted Human Participants. *I-Perception*, **2018**, 9, 2041669518781877	1.2	5
80	Some Illusions Are More Inconsistent Than Others. *Perception*, **2019**, 48, 638-641	1.2	5
79	Do we use a priori knowledge of gravity when making elbow rotations?. *Experimental Brain Research*, **2012**, 217, 163-73	2.3	5

78	Why are the digits' paths curved vertically in human grasping movements?. *Experimental Brain Research*, **2013**, 224, 59-68	2.3	5
77	Gravity affects the vertical curvature in human grasping movements. *Journal of Motor Behavior*, **2013**, 45, 325-32	1.4	5
76	Simultaneous adaptation of the thumb and index finger of the same hand to opposite prism displacements. *Journal of Neurophysiology*, **2014**, 111, 2554-9	3.2	5
75	Studying the role of vision in cycling: critique on restricting research to fixation behaviour. *Accident Analysis and Prevention*, **2013**, 59, 466-8	6.1	5
74	Do people match surface reflectance fundamentally differently than they match emitted light?. *Vision Research*, **2009**, 49, 702-7	2.1	5
73	Similar effects of a motion-in-depth illusion on manual tracking and perceptual judgements. *Experimental Brain Research*, **2003**, 151, 553-6	2.3	5
72	Online manual movement adjustments in response to target position changes and apparent target motion. *Motor Control*, **2014**, 18, 44-54	1.3	4
71	Luminance contrast in the background makes flashes harder to detect during saccades. *Vision Research*, **2012**, 60, 22-7	2.1	4
70	Misjudgment of direction contributes to curvature in movements toward haptically defined targets. *Journal of Experimental Psychology: Human Perception and Performance*, **2014**, 40, 802-12	2.6	4
69	Why does an obstacle just below the digits' paths not influence a grasping movement while an obstacle to the side of their paths does?. *Experimental Brain Research*, **2014**, 232, 103-12	2.3	4
68	The effect of variability in other objects' sizes on the extent to which people rely on retinal image size as a cue for judging distance. *Journal of Vision*, **2012**, 12, 6	0.4	4
67	Objects can be localized at positions that are inconsistent with the relative disparity between them. *Journal of Vision*, **2011**, 11,	0.4	4
66	Judgments of reachability are independent of visuomotor adaptation. *Perception*, **2011**, 40, 962-74	1.2	4
65	Grasping and hitting moving objects. *Experimental Brain Research*, **2011**, 212, 487-96	2.3	4
64	Maybe they are all circles: clues and cues. *Journal of Vision*, **2009**, 9, 10.1-5	0.4	4
63	The relation between movement parameters and motor learning. *Experimental Brain Research*, **2000**, 132, 550-2	2.3	4
62	Delays in Admittance-Controlled Haptic Devices Make Simulated Masses Feel Heavier. *PLoS ONE*, **2015**, 10, e0138023	3.7	4
61	Muscular Torque Can Explain Biases in Haptic Length Perception: A Model Study on the Radial-Tangential Illusion. *Lecture Notes in Computer Science*, **2010**, 392-397	0.9	4

60	Visuo-Proprioceptive Matching Errors Are Consistent with Biases in Distance Judgments. *Journal of Motor Behavior*, **2019**, 51, 572-579	1.4	4
59	When Is Moving a Cursor With a Computer Mouse Intuitive?. *Perception*, **2020**, 49, 484-487	1.2	4
58	Exposing sequence learning in a double-step task. *Experimental Brain Research*, **2016**, 234, 1701-12	2.3	3
57	Is the manual following response an attempt to compensate for inferred self-motion?. *Experimental Brain Research*, **2019**, 237, 2549-2558	2.3	3
56	The influence of object height on maximum grip aperture in empirical and modeled data. *Journal of Experimental Psychology: Human Perception and Performance*, **2014**, 40, 889-96	2.6	3
55	Motor commands for fast point-to-point arm movements are customized for small changes in inertial load. *Journal of Electromyography and Kinesiology*, **2011**, 21, 960-7	2.5	3
54	An apparent compression cannot explain the difference between the original and the induced Roelofs effect. *Vision Research*, **2004**, 44, 1031-1032	2.1	3
53	Is mislocalization during saccades related to the position of the saccade target within the image or to the gaze position at the end of the saccade?. *PLoS ONE*, **2013**, 8, e62436	3.7	3
52	Effects of ageing on responses to stepping-target displacements during walking. *European Journal of Applied Physiology*, **2021**, 121, 127-140	3.4	3
51	How feelings of unpleasantness develop during the progression of motion sickness symptoms. *Experimental Brain Research*, **2021**, 239, 3615-3624	2.3	3
50	How many objects are inside this box? **2017**,		2
49	Adjusting Haptic Guidance to Idiosyncratic Visuo-Haptic Matching Errors Improves Perceptual Consistency in Reaching. *IEEE Transactions on Human-Machine Systems*, **2016**, 46, 921-925	4.1	2
48	The Role of Temporal Information in Perisaccadic Mislocalization. *PLoS ONE*, **2015**, 10, e0134081	3.7	2
47	Simultaneous processing of visual information and planning of hand movements in a visuo-manual search task. *Acta Psychologica*, **2008**, 127, 398-406	1.7	2
46	True color only exists in the eye of the observer. *Behavioral and Brain Sciences*, **2003**, 26, 26-27	0.9	2
45	Using the same information for planning and control is compatible with the dynamic illusion effect. *Behavioral and Brain Sciences*, **2004**, 27,	0.9	2
44	The absence of representations causes inconsistencies in visual perception. *Behavioral and Brain Sciences*, **2001**, 24, 1006-1006	0.9	2
43	When does one decide how heavy an object feels while picking it up?		2

42	The response to background motion: Characteristics of a movement stabilization mechanism. *Journal of Vision*, **2021**, 21, 3	0.4	2
41	Why We Don't Mind to Be Inconsistent **2008**, 207-217		2
40	Intercepting moving objects: do eye movements matter?109-120		2
39	Contributions of gaze-centered and object-centered coding in a double-step saccade task. *Journal of Vision*, **2016**, 16, 12	0.4	2
38	How Heavy Is an Illusory Length?. *I-Perception*, **2016**, 7, 2041669516669155	1.2	2
37	Haptic Guidance on Demand: A Grip-Force Based Scheduling of Guidance Forces. *IEEE Transactions on Haptics*, **2018**, 11, 255-266	2.7	1
36	Reacting With or Without Detecting. *Motor Control*, **2016**, 20, 200-5	1.3	1
35	Accuracy of Intercepting Moving Tactile Targets. *Perception*, **2019**, 48, 685-701	1.2	1
34	Does perisaccadic compression require foveal vision?. *Perception*, **2014**, 43, 1214-24	1.2	1
33	Differences in curvature between constrained and unconstrained goal-directed movements to haptic targets. *Experimental Brain Research*, **2014**, 232, 3445-51	2.3	1
32	Vision for action is not veridical. *Cognitive Neuroscience*, **2010**, 1, 69	1.7	1
31	Different cue weights at the same place. *Journal of Vision*, **2009**, 9, 26.1-5	0.4	1
30	Ecological and constructivist approaches and the influence of illusions. *Behavioral and Brain Sciences*, **2002**, 25, 103-104	0.9	1
29	Grasping Neurones. *Motor Control*, **2000**, 4, 121-123	1.3	1
28	Stability relative to what?. *Behavioral and Brain Sciences*, **1994**, 17, 277-278	0.9	1
27	Beyond binning: Getting more out of the time course of one-sample-per-trial data. *Journal of Vision*, **2018**, 18, 335	0.4	1
26	Practicing one thing at a time: the secret to reward-based learning?		1
25	Quantifying exploration in reward-based motor learning		1

24	Why some size illusions affect grip aperture		1
23	Using position dependent damping forces around reaching targets for transporting heavy objects: A Fitts' law approach **2016**,		1
22	The target as an obstacle: Grasping an object at different heights. *Human Movement Science*, **2018**, 61, 189-196	2.4	1
21	Pitfalls in quantifying exploration in reward-based motor learning and how to avoid them. *Biological Cybernetics*, **2021**, 115, 365-382	2.8	1
20	Learning a reach trajectory based on binary reward feedback. *Scientific Reports*, **2021**, 11, 2667	4.9	1
19	The Visual Guidance of Ballistic Arm Movements **1995**, 191-197		1
18	Moving your head reduces perisaccadic compression. *Journal of Vision*, **2016**, 16, 5	0.4	0
17	A nearby distractor does not influence hand movements. *Cortex*, **2021**, 142, 204-212	3.8	0
16	The influences of target size and recent experience on the vigour of adjustments to ongoing movements.. *Experimental Brain Research*, **2022**, 1	2.3	0
15	Hand movements respond to any motion near the endpoint.. *Attention, Perception, and Psychophysics*, **2022**, 1	2	0
14	Having several options does not increase the time it takes to make a movement to an adequate end point.. *Experimental Brain Research*, **2022**, 1	2.3	0
13	Eye-hand coupling is not the cause of manual return movements when searching. *Experimental Brain Research*, **2010**, 201, 221-7	2.3	
12	The mechanisms responsible for the flash-lag effect cannot provide the motor prediction that we need in daily life. *Behavioral and Brain Sciences*, **2008**, 31, 215-216	0.9	
11	Two joints are more than twice one joint. *Behavioral and Brain Sciences*, **1995**, 18, 779-780	0.9	
10	Searching for Strangely Shaped Cookies - Is Taking a Bite Out of a Cookie Similar to Occluding Part of It?. *Perception*, **2021**, 50, 140-153	1.2	
9	The Precision of HapticRod Length Perception Is Reduced by Lack of Visual Precision. *Lecture Notes in Computer Science*, **2012**, 19-24	0.9	
8	Is the Curvature in Hand Movements to Haptic Targets in the Mid Sagittal Plane Caused by a Misjudgment in Direction?. *Lecture Notes in Computer Science*, **2012**, 31-36	0.9	
7	Looking Precisely at Your Fingertip Requires Visual Guidance of Gaze. *Perception*, **2020**, 49, 1252-1259	1.2	

6	Sprint Performance in Arms-Only Front Crawl Swimming Is Strongly Associated With the Power-To-Drag Ratio.. *Frontiers in Sports and Active Living*, **2022**, 4, 758095	2.3
5	Size, weight, and expectations.. *Perception*, **2022**, 3010066221087404	1.2
4	Quantifying exploration in reward-based motor learning **2020**, 15, e0226789	
3	Quantifying exploration in reward-based motor learning **2020**, 15, e0226789	
2	Quantifying exploration in reward-based motor learning **2020**, 15, e0226789	
1	Quantifying exploration in reward-based motor learning **2020**, 15, e0226789	