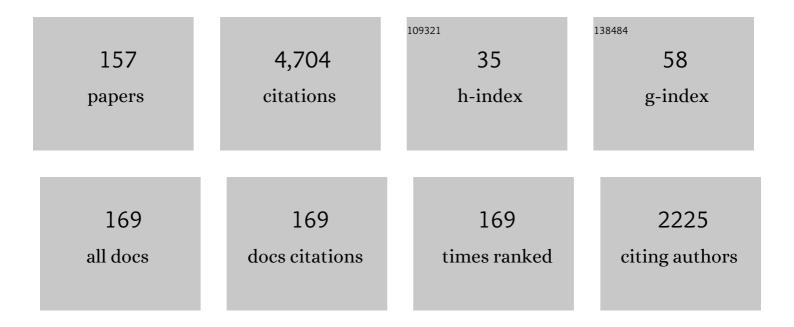
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mapping effects in choice-response and go/no-go variants of the lexical decision task: A case for polarity correspondence. Quarterly Journal of Experimental Psychology, 2022, 75, 491-507.	1.1	3
2	From Psychologische Forschung to psychological research: a rough journey through a century. Psychological Research, 2021, , 1.	1.7	2
3	Visuo-proprioceptive integration and recalibration with multiple visual stimuli. Scientific Reports, 2021, 11, 21640.	3.3	8
4	Explicit knowledge of sensory non-redundancy can reduce the strength of multisensory integration. Psychological Research, 2020, 84, 890-906.	1.7	15
5	Exploring the time window for causal inference and the multisensory integration of actions and their visual effects. Royal Society Open Science, 2020, 7, 192056.	2.4	9
6	A condition that produces sensory recalibration and abolishes multisensory integration. Cognition, 2020, 202, 104326.	2.2	13
7	To respond or not to respond? A model-based comparison between the processing of go, nogo, and neutral stimuli Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 525-549.	0.9	4
8	Effects of Hand and Hemispace on Multisensory Integration of Hand Position and Visual Feedback. Frontiers in Psychology, 2019, 10, 237.	2.1	4
9	Visual and proprioceptive recalibrations after exposure to a visuomotor rotation. European Journal of Neuroscience, 2019, 50, 3296-3310.	2.6	19
10	Contrasting effects of adaptation to a visuomotor rotation on explicit and implicit measures of sensory coupling. Psychological Research, 2019, 83, 935-950.	1.7	11
11	Dissociating explicit and implicit measures of sensed hand position in tool use: Effect of relative frequency of judging different objects. Attention, Perception, and Psychophysics, 2018, 80, 211-221.	1.3	11
12	Sensory integration of movements and their visual effects is not enhanced by spatial proximity. Journal of Vision, 2018, 18, 15.	0.3	17
13	The impact of anatomical and spatial distance between responses on response conflict. Memory and Cognition, 2018, 46, 994-1009.	1.6	13
14	Optimal integration of actions and their visual effects is based on both online and prior causality evidence. Scientific Reports, 2018, 8, 9796.	3.3	24
15	Perceptual attraction in tool use: evidence for a reliability-based weighting mechanism. Journal of Neurophysiology, 2017, 117, 1569-1580.	1.8	40
16	Kinematic crossâ€correlation induces sensory integration across separate objects. European Journal of Neuroscience, 2017, 46, 2826-2834.	2.6	26
17	Response Preparation, Response Conflict, and the Effects of Irrelevant Flanker Stimuli. Advances in Cognitive Psychology, 2017, 13, 70-82.	0.5	13
18	How Social and Refractory Is the Social Psychological Refractory Period?. Experimental Psychology, 2017. 64. 273-281.	0.7	0

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19	Financial incentives enhance adaptation to a sensorimotor transformation. Experimental Brain Research, 2016, 234, 2859-2868.	1.5	16
20	Technologies shape sensorimotor skills and abilities. Trends in Neuroscience and Education, 2016, 5, 121-129.	3.1	8
21	Anticipatory Adjustments to Abrupt Changes of Opposing Forces. Journal of Motor Behavior, 2015, 47, 167-181.	0.9	1
22	Explicit and implicit components of visuo-motor adaptation: An analysis of individual differences. Consciousness and Cognition, 2015, 33, 156-169.	1.5	34
23	Robot assistance of motor learning: A neuro-cognitive perspective. Neuroscience and Biobehavioral Reviews, 2015, 56, 222-240.	6.1	39
24	The coding of repetitions and alternations in action sequences: spatial or relational?. Psychological Research, 2015, 79, 432-445.	1.7	4
25	Effects of Reliability and Global Context on Explicit and Implicit Measures of Sensed Hand Position in Cursor-Control Tasks. Frontiers in Psychology, 2015, 6, 2056.	2.1	20
26	Age-related variations of visuo-motor adaptation beyond explicit knowledge. Frontiers in Aging Neuroscience, 2014, 6, 152.	3.4	19
27	Haptic guidance interferes with learning to make movements at an angle to stimulus direction. Experimental Brain Research, 2014, 232, 675-684.	1.5	8
28	Conscious awareness of action potentiates sensorimotor learning. Cognition, 2014, 133, 1-9.	2.2	11
29	Motor learning with fading and growing haptic guidance. Experimental Brain Research, 2014, 232, 2229-2242.	1.5	18
30	The Influence of Robotic Guidance on Different Types of Motor Timing. Journal of Motor Behavior, 2013, 45, 249-258.	0.9	15
31	Vision and proprioception in action monitoring by young and older adults. Neurobiology of Aging, 2013, 34, 1864-1872.	3.1	24
32	Unintended hand movements after abrupt cessation of variable and constant opposing forces. Neuroscience, 2013, 236, 271-280.	2.3	2
33	Generalization of adaptation to a complex visuo-motor transformation across the workspace. Behavioural Brain Research, 2013, 239, 63-71.	2.2	1
34	Age-related variations of visuomotor adaptation result from both the acquisition and the application of explicit knowledge Psychology and Aging, 2013, 28, 333-339.	1.6	44
35	Movement paths in operating hand-held tools: tests of distal-shift hypotheses. Journal of Neurophysiology, 2013, 109, 2680-2690.	1.8	2
36	Effective Part-Task Training as Evidence of Distinct Adaptive Processes with Different Time Scales. PLoS ONE, 2013, 8, e60196.	2.5	2

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37	Modality-specific organization in the representation of sensorimotor sequences. Frontiers in Psychology, 2013, 4, 937.	2.1	17
38	Towards mastery of complex visuo-motor transformations. Frontiers in Human Neuroscience, 2013, 7, 32.	2.0	4
39	Age-Related Variations in the Control of Electronic Tools. , 2013, , 369-390.		11
40	Implicit and Explicit Representations of Hand Position in Tool Use. PLoS ONE, 2013, 8, e68471.	2.5	35
41	The influence of the dynamic transformation of a sliding lever on aiming errors. Neuroscience, 2012, 207, 137-147.	2.3	12
42	A progression of approximations to internal models of complex visuo-motor transformations. Human Movement Science, 2012, 31, 1056-1070.	1.4	6
43	Specificity of motor learning in simulator training of endoscopic-surgery skills. Ergonomics, 2012, 55, 1157-1165.	2.1	11
44	Robotic guidance benefits the learning of dynamic, but not of spatial movement characteristics. Experimental Brain Research, 2012, 222, 1-9.	1.5	21
45	Enhanced mechanical transparency during practice impedes open-loop control of a complex tool. Experimental Brain Research, 2012, 218, 283-294.	1.5	20
46	Adaptation to novel visuo-motor transformations: further evidence of functional haptic neglect. Experimental Brain Research, 2012, 218, 129-140.	1.5	20
47	The influence of haptic guidance on the production of spatio-temporal patterns. Human Movement Science, 2012, 31, 519-528.	1.4	24
48	Mind and movement. Psychological Research, 2012, 76, 159-170.	1.7	8
49	Generalization of implicit and explicit adjustments to visuomotor rotations across the workspace in younger and older adults. Journal of Neurophysiology, 2011, 106, 2078-2085.	1.8	68
50	Implicit and explicit adjustments to extrinsic visuo-motor transformations and their age-related changes. Human Movement Science, 2011, 30, 916-930.	1.4	33
51	Active error corrections enhance adaptation to a visuo-motor rotation. Experimental Brain Research, 2011, 211, 97-108.	1.5	24
52	Type of visual feedback during practice influences the precision of the acquired internal model of a complex visuo-motor transformation. Ergonomics, 2011, 54, 34-46.	2.1	37
53	The Death of Handwriting: Secondary Effects of Frequent Computer Use on Basic Motor Skills. Journal of Motor Behavior, 2011, 43, 247-251.	0.9	41
54	The effects of mechanical transparency on adjustment to a complex visuomotor transformation at early and late working age Journal of Experimental Psychology: Applied, 2010, 16, 399-412.	1.2	13

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55	The trajectory of adaptation to the visuo-motor transformation of virtual and real sliding levers. Experimental Brain Research, 2010, 201, 549-560.	1.5	18
56	Implicit and explicit components of dual adaptation to visuomotor rotations. Consciousness and Cognition, 2010, 19, 906-917.	1.5	107
57	Adaptation to a direction-dependent visuomotor gain in the young and elderly. Psychological Research, 2010, 74, 21-34.	1.7	44
58	Generalized slowing is not that general in older adults: Evidence from a tracing task. Occupational Ergonomics, 2010, 9, 111-117.	0.3	11
59	Random noun generation in younger and older adults. Quarterly Journal of Experimental Psychology, 2010, 63, 465-478.	1.1	15
60	The Impact of Augmented Information on Visuo-Motor Adaptation in Younger and Older Adults. PLoS ONE, 2010, 5, e12071.	2.5	22
61	Learning the visuomotor transformation of virtual and real sliding levers: simple approximations of complex transformations. Experimental Brain Research, 2009, 195, 153-165.	1.5	29
62	Functional independence of explicit and implicit motor adjustments. Consciousness and Cognition, 2009, 18, 145-159.	1.5	67
63	Adjustment to a complex visuo-motor transformation at early and late working age. Ergonomics, 2009, 52, 1039-1054.	2.1	16
64	Trajectories in operating a handheld tool Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 375-389.	0.9	27
65	Pointing in Stereoscopic Space. Perception, 2009, 38, 1663-1677.	1.2	1
66	Finger Fatigue: Blockings and Approximate Kinematic Invariances. , 2009, , 621-629.		2
67	Constraints on visuo-motor adaptation depend on the type of visual feedback during practice. Experimental Brain Research, 2008, 185, 101-110.	1.5	61
68	Adaptation to direction-dependent visuo-motor rotations and its decay in younger and older adults. Acta Psychologica, 2008, 127, 369-381.	1.5	23
69	Does a tool eliminate spatial compatibility effects?. European Journal of Cognitive Psychology, 2008, 20, 211-231.	1.3	39
70	Adaptation to a Nonlinear Visuomotor Amplitude Transformation With Continuous and Terminal Visual Feedback. Journal of Motor Behavior, 2008, 40, 368-379.	0.9	19
71	Adaptation to visuomotor rotations in younger and older adults Psychology and Aging, 2008, 23, 190-202.	1.6	144
72	Self-control demands, cognitive control deficits, and burnout. Work and Stress, 2007, 21, 142-154.	4.5	83

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73	Spatial Compatibility Effects With Tool Use. Human Factors, 2007, 49, 661-670.	3.5	79
74	Nonlinear visuomotor transformations: Locus and modularity. Quarterly Journal of Experimental Psychology, 2007, 60, 1629-1659.	1.1	20
75	Learning new visuo-motor gains at early and late working age. Ergonomics, 2007, 50, 979-1003.	2.1	26
76	Control of the dominant and nondominant hand: exploitation and taming of nonmuscular forces. Experimental Brain Research, 2007, 178, 363-373.	1.5	49
77	The configuration and relaxation of motor task sets. Psychological Research, 2007, 71, 503-515.	1.7	1
78	Intermanual Interactions Related to Movement Amplitudes and Endpoint Locations. Journal of Motor Behavior, 2006, 38, 126-138.	0.9	12
79	Simultaneous Specification of Amplitudes and Directions of Bimanual Reversal Movements. Journal of Motor Behavior, 2006, 38, 285-298.	0.9	4
80	Temporal and Spatial Characteristics of Rapid Finger Oscillations. Motor Control, 2006, 10, 212-231.	0.6	5
81	The influence of movement cues on intermanual interactions. Psychological Research, 2006, 70, 229-244.	1.7	32
82	The modulation of intermanual interactions during the specification of the directions of bimanual movements. Experimental Brain Research, 2006, 169, 162-181.	1.5	11
83	Multiple frames of reference for bimanual co-ordination. Experimental Brain Research, 2006, 175, 485-498.	1.5	1
84	Intermanual interactions in discrete and periodic bimanual movements with same and different amplitudes. Experimental Brain Research, 2005, 167, 220-237.	1.5	18
85	Task Sets under Reconstruction: Effects of Partially Incorrect Precues. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2005, 58, 521-546.	2.3	12
86	The Effects of Total Sleep Deprivation on the Generation of Random Sequences of Key-Presses, Numbers and Nouns. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2005, 58, 275-307.	2.3	28
87	Intermanual Cross–Talk Effects in Unimanual Choice Reactions. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 2004, 57, 993-1018.	2.3	5
88	Total sleep deprivation increases the costs of shifting between simple cognitive tasks. Acta Psychologica, 2004, 117, 29-64.	1.5	35
89	Assembling a task space: global determination of local shift costs. Psychological Research, 2004, 68, 31-40.	1.7	28
90	Postintentional Neglect. Journal of Motor Behavior, 2004, 36, 381-384.	0.9	5

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91	Behavioral Principles of Interlimb Coordination. , 2004, , 223-258.		7
92	Impairments of manual tracking performance during spaceflight are associated with specific effects of microgravity on visuomotor transformations. Ergonomics, 2003, 46, 920-934.	2.1	40
93	The futility of explicit knowledge of a sequence of tasks. European Journal of Cognitive Psychology, 2003, 15, 455-469.	1.3	14
94	The cognitive and neural architecture of sequence representation Psychological Review, 2003, 110, 316-339.	3.8	439
95	One night of total sleep deprivation impairs implicit learning in the serial reaction task, but not the behavioral expression of knowledge Neuropsychology, 2003, 17, 507-516.	1.3	17
96	Phasing of Muscle Activity During Rapid Finger Oscillations. Journal of Motor Behavior, 2002, 34, 277-289.	0.9	8
97	Measurements serve a purpose: a note on a possible use of natural measurements. Ergonomics, 2002, 45, 1015-1017.	2.1	1
98	Processes of task-set reconfiguration: switching operations and implementation operations. Acta Psychologica, 2002, 111, 1-28.	1.5	25
99	Parametric coupling and generalized decoupling revealed by concurrent and successive isometric contractions of distal muscles. Acta Psychologica, 2002, 111, 205-242.	1.5	13
100	The effects of weak perturbations on rapid finger oscillations. Human Movement Science, 2002, 21, 119-130.	1.4	3
101	The effects of muscle fatigue on rapid finger oscillations. Experimental Brain Research, 2002, 147, 124-134.	1.5	14
102	Implicit learning of sequences of tasks Journal of Experimental Psychology: Learning Memory and Cognition, 2001, 27, 967-983.	0.9	54
103	Task-set reconfiguration with binary and three-valued task dimensions. Psychological Research, 2001, 65, 192-201.	1.7	22
104	Eccentric head positions bias random generation of leftward and rightward handle-bar rotations. Acta Psychologica, 2001, 106, 23-49.	1.5	8
105	Static and Phasic Cross-Talk Effects in Discrete Bimanual Reversal Movements. Journal of Motor Behavior, 2001, 33, 67-85.	0.9	62
106	Hierarchical switching in a multi-dimensional task space is not induced by specific task cues. Zeitschrift Fuer Psychologie Mit Zeitschrift Fuer Angewandte Psychologie, 2001, 209, 105-117.	1.0	6
107	Specification of movement amplitudes for the left and right hands: Evidence for transient parametric coupling from overlapping-task performance Journal of Experimental Psychology: Human Perception and Performance, 2000, 26, 1091-1105.	0.9	68
108	Impairments of manual tracking performance during spaceflight: more converging evidence from a 20-day space mission. Ergonomics, 2000, 43, 589-609.	2.1	66

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109	Different error types and error processing in spatial stimulus-response-compatibility tasks: behavioural and electrophysiological data. Biological Psychology, 2000, 51, 129-150.	2.2	20
110	Bimanual coupling during the specification of isometric forces. Experimental Brain Research, 1999, 129, 302-316.	1.5	42
111	Changed visuomotor transformations during and after prolonged microgravity. Experimental Brain Research, 1999, 129, 378-390.	1.5	36
112	Hierarchical switching in a multi-dimensional task space. Psychological Research, 1999, 62, 300-312.	1.7	143
113	The effects of eccentric head positions on leftward and rightward turns of a handle-bar. Acta Psychologica, 1999, 103, 311-329.	1.5	7
114	Involuntary Rotations of a Steering Device Induced by Voluntary Rotations of the Head and Maintained Eccentric Head Positions. Journal of Motor Behavior, 1999, 31, 248-264.	0.9	11
115	A procedure to determine the individually comfortable position of visual displays relative to the eyes. Ergonomics, 1999, 42, 535-549.	2.1	51
116	Structural Constraints on the Coordination of Concurrent Rotations of the Head and a Steering Device. Motor Control, 1999, 3, 39-66.	0.6	7
117	Blocking in Rapid Finger Tapping: The Role of Variability in Proximodistal Coordination. Journal of Motor Behavior, 1998, 30, 130-142.	0.9	6
118	Preferred position of visual displays relative to the eyes: a field study of visual strain and individual differences. Ergonomics, 1998, 41, 1034-1049.	2.1	137
119	Period Duration of Physical and Im aginary Movement Sequences Affects Contralateral Amplitude Modulation. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1998, 51, 755-779.	2.3	20
120	What is Fitts' law about?. Behavioral and Brain Sciences, 1997, 20, 312-313.	0.7	1
121	Preparation of bimanual movements with same and different amplitudes: specification interference as revealed by reaction time. Acta Psychologica, 1997, 96, 207-227.	1.5	90
122	Secondary-task effects on sequence learning. Psychological Research, 1996, 59, 119-133.	1.7	74
123	Chapter 3 Coordination. Handbook of Perception and Action, 1996, 2, 121-180.	0.1	15
124	Generalized motor programs for rapid bimanual tasks: a two-level multiplicative-rate model. Biological Cybernetics, 1995, 73, 343-356.	1.3	38
125	Models for response-response compatibility: The effects of the relation between responses in a choice task. Acta Psychologica, 1995, 90, 315-332.	1.5	27
126	Structural Constraints on the Performance of Symmetrical Bimanual Movements with Different Amplitudes. Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology, 1995, 48, 716-740.	2.3	137

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127	Structural constraints on bimanual movements. Psychological Research, 1993, 55, 83-98.	1.7	113
128	Directional discrimination of motion in depth based on changing target vergence. Vision Research, 1993, 33, 2153-2156.	1.4	4
129	Estimates of Time to Contact Based on Changing Size and Changing Target Vergence. Perception, 1993, 22, 549-563.	1.2	79
130	Preferred vertical gaze direction and observation distance. Ergonomics, 1991, 34, 379-392.	2.1	56
131	Some characteristics of VITE. Human Movement Science, 1991, 10, 55-64.	1.4	4
132	Apparent size as a function of vertical gaze direction: New tests of an old hypothesis Journal of Experimental Psychology: Human Perception and Performance, 1991, 17, 232-245.	0.9	6
133	Invariant relative timing in motor-program theory. Advances in Psychology, 1991, , 37-68.	0.1	28
134	Rapid Responses with the Left or Right Hand: Response-Response Compatibility Effects Due to Intermanual Interactions. Advances in Psychology, 1990, , 311-342.	0.1	10
135	A Multiple-Representations2 Approach to Mental Practice of Motor Skills1. Medicine and Sport Science, 1989, 29, 36-57.	1.4	42
136	Vertical Gaze Direction and the Resting Posture of the Eyes. Perception, 1989, 18, 363-377.	1.2	98
137	Movement strategies as points on equal-outcome curves. Behavioral and Brain Sciences, 1989, 12, 220-221.	0.7	3
138	Adjustment and readjustment of the relative timing of a motor pattern. Psychological Research, 1988, 50, 83-93.	1.7	12
139	Advance specification and programming interactions: A reply to Rosenbaum, Barnes, and Slotta (1988). Psychological Research, 1988, 50, 63-68.	1.7	4
140	The effects of sustained vertical gaze deviation on the resting state of the vergence system. Vision Research, 1988, 28, 1337-1344.	1.4	33
141	Testing the invariance of relative timing: Comment on Gentner (1987) Psychological Review, 1988, 95, 552-557.	3.8	65
142	â€~Pseudoautomatization' in manual control: a simulation study. Ergonomics, 1988, 31, 1729-1742.	2.1	5
143	Chapter 16 The Laboratory and the World Outside. Advances in Psychology, 1988, 50, 405-417.	0.1	9
144	Transfer of learning among motor patterns with different relative timing Journal of Experimental Psychology: Human Perception and Performance, 1988, 14, 241-252.	0.9	50

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145	Does a hand preference indicate a hemispheric specialization?. Behavioral and Brain Sciences, 1987, 10, 277-278.	0.7	21
146	Apparent Motion in Depth Resulting from Changing Size and Changing Vergence. Perception, 1987, 16, 337-350.	1.2	16
147	Visual discrimination and response programming. Psychological Research, 1987, 49, 91-98.	1.7	28
148	Intermanual interactions during programming of aimed movements: Converging evidence on common and specific parameters of control. Psychological Research, 1986, 48, 37-46.	1.7	24
149	Some points of contact between models of central capacity and factor-analytic models. Acta Psychologica, 1985, 60, 135-155.	1.5	12
150	Intermanual Interactions During Simultaneous Execution and Programming of Finger Movements. Journal of Motor Behavior, 1985, 17, 335-354.	0.9	29
151	On re-scaleability of force and time in aiming movements. Psychological Research, 1984, 46, 73-86.	1.7	16
152	Doing Two Things at Once: Process Limitations and Interactions. , 1984, , 183-213.		24
153	Aftereffects of Sustained Convergence: Some Implications of the Eye Muscle Potentiation Hypothesis. Perception, 1983, 12, 337-346.	1.2	7
154	Binary choice reaction time as a criterion of motor equivalence. Acta Psychologica, 1982, 50, 35-47.	1.5	38
155	Binary choice reaction time as a criterion of motor equivalence: Further evidence. Acta Psychologica, 1982, 50, 49-60.	1.5	18
156	Fast aiming movements with the left and right arm: Evidence for two-process theories of motor control. Psychological Research, 1981, 43, 81-96.	1.7	46
157	Selective fatigue in the human motor system. Psychological Research, 1980, 41, 345-354.	1.7	7