

R Christopher Miall

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194
papers

14,642
citations

56
h-index

118
g-index

205
ext. papers

16,642
ext. citations

5.1
avg. IF

6.8
L-index

#	Paper	IF	Citations
194	Internal models in the cerebellum. <i>Trends in Cognitive Sciences</i> , 1998 , 2, 338-47	14	1670
193	Forward Models for Physiological Motor Control. <i>Neural Networks</i> , 1996 , 9, 1265-1279	9.1	1582
192	Is the cerebellum a smith predictor?. <i>Journal of Motor Behavior</i> , 1993 , 25, 203-16	1.4	854
191	Distinct systems for automatic and cognitively controlled time measurement: evidence from neuroimaging. <i>Current Opinion in Neurobiology</i> , 2003 , 13, 250-5	7.6	664
190	The resting human brain and motor learning. <i>Current Biology</i> , 2009 , 19, 1023-7	6.3	382
189	A quantitative meta-analysis and review of motor learning in the human brain. <i>NeuroImage</i> , 2013 , 67, 283-97	7.9	366
188	Current concepts in procedural consolidation. <i>Nature Reviews Neuroscience</i> , 2004 , 5, 576-82	13.5	355
187	Brain activation patterns during measurement of sub- and supra-second intervals. <i>Neuropsychologia</i> , 2003 , 41, 1583-92	3.2	324
186	The Cerebellum: Adaptive Prediction for Movement and Cognition. <i>Trends in Cognitive Sciences</i> , 2017 , 21, 313-332	14	296
185	Connecting mirror neurons and forward models. <i>NeuroReport</i> , 2003 , 14, 2135-7	1.7	264
184	Disruption of state estimation in the human lateral cerebellum. <i>PLoS Biology</i> , 2007 , 5, e316	9.7	222
183	Remembering the time: a continuous clock. <i>Trends in Cognitive Sciences</i> , 2006 , 10, 401-6	14	218
182	A system in the human brain for predicting the actions of others. <i>Nature Neuroscience</i> , 2004 , 7, 85-90	25.5	193
181	Non-invasive cerebellar stimulation--a consensus paper. <i>Cerebellum</i> , 2014 , 13, 121-38	4.3	191
180	The cerebellum coordinates eye and hand tracking movements. <i>Nature Neuroscience</i> , 2001 , 4, 638-44	25.5	188
179	Consensus Paper: Towards a Systems-Level View of Cerebellar Function: the Interplay Between Cerebellum, Basal Ganglia, and Cortex. <i>Cerebellum</i> , 2017 , 16, 203-229	4.3	187
178	Brain activity correlates differentially with increasing temporal complexity of rhythms during initialisation, synchronisation, and continuation phases of paced finger tapping. <i>Neuropsychologia</i> , 2004 , 42, 1301-12	3.2	178

177	Intermittency in human manual tracking tasks. <i>Journal of Motor Behavior</i> , 1993 , 25, 53-63	1.4	173
176	Pedunculopontine nucleus stimulation improves akinesia in a Parkinsonian monkey. <i>NeuroReport</i> , 2004 , 15, 2621-4	1.7	163
175	A right hemispheric prefrontal system for cognitive time measurement. <i>Behavioural Processes</i> , 2006 , 71, 226-34	1.6	150
174	Task-specific facilitation of cognition by cathodal transcranial direct current stimulation of the cerebellum. <i>Brain Stimulation</i> , 2012 , 5, 84-94	5.1	142
173	Effects of agency on movement interference during observation of a moving dot stimulus. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2007 , 33, 915-26	2.6	134
172	The role of proprioception and attention in a visuomotor adaptation task. <i>Experimental Brain Research</i> , 2000 , 132, 114-26	2.3	128
171	Cerebellar Transcranial Direct Current Stimulation (ctDCS): A Novel Approach to Understanding Cerebellar Function in Health and Disease. <i>Neuroscientist</i> , 2016 , 22, 83-97	7.6	126
170	Visuomotor tracking with delayed visual feedback. <i>Neuroscience</i> , 1985 , 16, 511-20	3.9	126
169	The precision of temporal judgement: milliseconds, many minutes, and beyond. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 1897-905	5.8	120
168	System identification applied to a visuomotor task: near-optimal human performance in a noisy changing task. <i>Journal of Neuroscience</i> , 2003 , 23, 3066-75	6.6	111
167	Adaptation to visual feedback delays in manual tracking: evidence against the Smith Predictor model of human visually guided action. <i>Experimental Brain Research</i> , 2006 , 172, 77-84	2.3	109
166	Involvement of the medial pallidum in focal myoclonic dystonia: A clinical and neurophysiological case study. <i>Movement Disorders</i> , 2002 , 17, 346-53	7	109
165	Visuo-motor tracking during reversible inactivation of the cerebellum. <i>Experimental Brain Research</i> , 1987 , 65, 455-64	2.3	108
164	The cerebellum and the timing of coordinated eye and hand tracking. <i>Brain and Cognition</i> , 2002 , 48, 212-26		105
163	Adaptation to rotated visual feedback: a re-examination of motor interference. <i>Experimental Brain Research</i> , 2004 , 154, 201-10	2.3	103
162	The time course of task-specific memory consolidation effects in resting state networks. <i>Journal of Neuroscience</i> , 2014 , 34, 3982-92	6.6	99
161	Cerebellar rTMS disrupts predictive language processing. <i>Current Biology</i> , 2012 , 22, R794-5	6.3	99
160	Manual tracking of visual targets by trained monkeys. <i>Behavioural Brain Research</i> , 1986 , 20, 185-201	3.4	99

159	Disruption of the dorsolateral prefrontal cortex facilitates the consolidation of procedural skills. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 1158-64	3.1	97
158	Adaptation to visual feedback delays in a human manual tracking task. <i>Experimental Brain Research</i> , 2000 , 131, 101-10	2.3	89
157	Parietal rTMS disrupts the initiation but not the execution of on-line adjustments to a perturbation of object size. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 124-36	3.1	88
156	Activation of the cerebellum in co-ordinated eye and hand tracking movements: an fMRI study. <i>Experimental Brain Research</i> , 2000 , 135, 22-33	2.3	88
155	Cerebellar transcranial magnetic stimulation: the role of coil geometry and tissue depth. <i>Brain Stimulation</i> , 2014 , 7, 643-9	5.1	86
154	Inter-individual variability in optimal current direction for transcranial magnetic stimulation of the motor cortex. <i>Journal of Neuroscience Methods</i> , 2007 , 162, 309-13	3	86
153	Neuronal activity in the primate motor thalamus during visually triggered and internally generated limb movements. <i>Journal of Neurophysiology</i> , 1999 , 82, 934-45	3.2	83
152	The contribution of brain sub-cortical loops in the expression and acquisition of action understanding abilities. <i>Neuroscience and Biobehavioral Reviews</i> , 2013 , 37, 2504-15	9	82
151	The oscillatory activity in the Parkinsonian subthalamic nucleus investigated using the macro-electrodes for deep brain stimulation. <i>Clinical Neurophysiology</i> , 2002 , 113, 1667-72	4.3	80
150	Movement interference in autism-spectrum disorder. <i>Neuropsychologia</i> , 2008 , 46, 1060-8	3.2	79
149	Performing hand actions assists the visual discrimination of similar hand postures. <i>Neuropsychologia</i> , 2006 , 44, 966-76	3.2	77
148	State estimation in the cerebellum. <i>Cerebellum</i> , 2008 , 7, 572-6	4.3	72
147	Simple spike activity predicts occurrence of complex spikes in cerebellar Purkinje cells. <i>Nature Neuroscience</i> , 1998 , 1, 13-5	25.5	71
146	Functional imaging: is the resting brain resting?. <i>Current Biology</i> , 2006 , 16, R998-1000	6.3	71
145	Temporary inactivation in the primate motor thalamus during visually triggered and internally generated limb movements. <i>Journal of Neurophysiology</i> , 2000 , 83, 2780-90	3.2	71
144	Instructed delay activity in the human prefrontal cortex is modulated by monetary reward expectation. <i>Cerebral Cortex</i> , 2003 , 13, 318-27	5.1	70
143	No consistent effect of cerebellar transcranial direct current stimulation on visuomotor adaptation. <i>Journal of Neurophysiology</i> , 2017 , 118, 655-665	3.2	64
142	Task-Specific Facilitation of Cognition by Anodal Transcranial Direct Current Stimulation of the Prefrontal Cortex. <i>Cerebral Cortex</i> , 2015 , 25, 4551-8	5.1	59

141	Individual differences in explicit and implicit visuomotor learning and working memory capacity. <i>Scientific Reports</i> , 2016 , 6, 36633	4.9	58
140	Eye-hand interactions in tracing and drawing tasks. <i>Human Movement Science</i> , 2006 , 25, 568-85	2.4	58
139	Behavioural aspects of cerebellar function in adults with Asperger syndrome. <i>Cerebellum</i> , 2005 , 4, 279-82	3.3	58
138	Differentiation between external and internal cuing: an fMRI study comparing tracing with drawing. <i>NeuroImage</i> , 2007 , 36, 396-410	7.9	55
137	Analysis of action tremor and impaired control of movement velocity in multiple sclerosis during visually guided wrist-tracking tasks. <i>Movement Disorders</i> , 1997 , 12, 992-9	7	51
136	Enhanced accuracy in novel mirror drawing after repetitive transcranial magnetic stimulation-induced proprioceptive deafferentation. <i>Journal of Neuroscience</i> , 2004 , 24, 9698-702	6.6	51
135	Functional imaging of changes in cerebellar activity related to learning during a novel eye-hand tracking task. <i>Experimental Brain Research</i> , 2005 , 166, 170-83	2.3	50
134	Disruption of saccadic adaptation with repetitive transcranial magnetic stimulation of the posterior cerebellum in humans. <i>Cerebellum</i> , 2010 , 9, 548-55	4.3	49
133	Two waves of a long-lasting aftereffect of prism adaptation measured over 7 days. <i>Experimental Brain Research</i> , 2006 , 169, 417-26	2.3	49
132	A Painter's Eye Movements: A Study of Eye and Hand Movement during Portrait Drawing. <i>Leonardo</i> , 2001 , 34, 35-40	0.1	49
131	Modulation of saccadic intrusions by exogenous and endogenous attention. <i>Brain Research</i> , 2007 , 1141, 154-67	3.7	48
130	Evaluation of cervical proprioceptive function: optimizing protocols and comparison between tests in normal subjects. <i>Spine</i> , 2007 , 32, E692-701	3.3	47
129	Proprioception contributes to the sense of agency during visual observation of hand movements: evidence from temporal judgments of action. <i>Journal of Cognitive Neuroscience</i> , 2007 , 19, 1535-41	3.1	46
128	The effect of rTMS over the cerebellum in normal human volunteers on peg-board movement performance. <i>Neuroscience Letters</i> , 2004 , 371, 185-9	3.3	44
127	Task-dependent changes in visual feedback control: a frequency analysis of human manual tracking. <i>Journal of Motor Behavior</i> , 1996 , 28, 125-35	1.4	44
126	The flicker fusion frequencies of six laboratory insects, and the response of the compound eye to mains fluorescent light. <i>Physiological Entomology</i> , 1978 , 3, 99-106	1.9	44
125	The super-learning hypothesis: Integrating learning processes across cortex, cerebellum and basal ganglia. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 100, 19-34	9	44
124	Right Lateral Cerebellum Represents Linguistic Predictability. <i>Journal of Neuroscience</i> , 2017 , 37, 6231-6246	4.6	43

123	Neuronal activity related to the visual representation of arm movements in the lateral cerebellar cortex. <i>Journal of Neurophysiology</i> , 2003 , 89, 1223-37	3.2	43
122	Interneurons involved in abdominal posture in crayfish: Structure, function and command fiber responses. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1982 , 148, 159-173	2.3	43
121	Visuomotor adaptation during inactivation of the dentate nucleus. <i>NeuroReport</i> , 1999 , 10, 1029-34	1.7	42
120	Evidence for an error deadzone in compensatory tracking. <i>Journal of Motor Behavior</i> , 1992 , 24, 299-308	1.4	42
119	Limits to tDCS effects in language: Failures to modulate word production in healthy participants with frontal or temporal tDCS. <i>Cortex</i> , 2017 , 86, 64-82	3.8	41
118	Drawing cartoon faces--a functional imaging study of the cognitive neuroscience of drawing. <i>Cortex</i> , 2009 , 45, 394-406	3.8	41
117	The cerebellum and motor dysfunction in neuropsychiatric disorders. <i>Cerebellum</i> , 2007 , 6, 268-79	4.3	41
116	Force related activations in rhythmic sequence production. <i>NeuroImage</i> , 2005 , 27, 909-18	7.9	41
115	Visuo-motor adaptation during inactivation of the cerebellar nuclei: A preliminary report. <i>Human Movement Science</i> , 1993 , 12, 71-83	2.4	41
114	Frequency analysis of involuntary movements during wrist tracking: a way to identify ms patients with tremor who benefit from thalamotomy. <i>Stereotactic and Functional Neurosurgery</i> , 2000 , 74, 53-62	1.6	40
113	The curvature of human arm movements in the absence of visual experience. <i>Experimental Brain Research</i> , 1995 , 103, 421-8	2.3	40
112	Long-lasting aftereffect of a single prism adaptation: shifts in vision and proprioception are independent. <i>Experimental Brain Research</i> , 2006 , 173, 415-24	2.3	39
111	Identifying the causal mechanisms of the quiet eye. <i>European Journal of Sport Science</i> , 2017 , 17, 74-84	3.9	38
110	Cues and control strategies in visually guided tracking. <i>Journal of Motor Behavior</i> , 1989 , 21, 185-204	1.4	37
109	Graph network analysis of immediate motor-learning induced changes in resting state BOLD. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 166	3.3	36
108	Eye position representation in human anterior parietal cortex. <i>Journal of Neuroscience</i> , 2008 , 28, 8968-76	2.6	36
107	Evidence for stronger visuo-motor than visuo-proprioceptive conflict during mirror drawing performed by a deafferented subject and control subjects. <i>Experimental Brain Research</i> , 2007 , 176, 432-9	2.3	35
106	Optimising coherence estimation to assess the functional correlation of tremor-related activity between the subthalamic nucleus and the forearm muscles. <i>Journal of Neuroscience Methods</i> , 2004 , 136, 197-205	3	35

105	Eye-hand strategies in copying complex lines. <i>Cortex</i> , 2009 , 45, 368-76	3.8	34
104	Interval timing in mice does not rely upon the circadian pacemaker. <i>Neuroscience Letters</i> , 2003 , 348, 131-43	3.3	33
103	Brain activity during non-automatic motor production of discrete multi-second intervals. <i>NeuroReport</i> , 2002 , 13, 1731-5	1.7	33
102	The role of the posterior cerebellum in saccadic adaptation: a transcranial direct current stimulation study. <i>Journal of Neuroscience</i> , 2015 , 35, 5471-9	6.6	32
101	To transfer or not to transfer? Kinematics and laterality quotient predict interlimb transfer of motor learning. <i>Journal of Neurophysiology</i> , 2015 , 114, 2764-74	3.2	32
100	Resting state networks and memory consolidation. <i>Communicative and Integrative Biology</i> , 2009 , 2, 530-2.7	2.7	32
99	Concurrent adaptation to opposing visual displacements during an alternating movement. <i>Experimental Brain Research</i> , 2006 , 175, 676-88	2.3	30
98	Restoring cognitive functions using non-invasive brain stimulation techniques in patients with cerebellar disorders. <i>Frontiers in Psychiatry</i> , 2014 , 5, 33	5	29
97	Effects of visual feedback on manual tracking and action tremor in Parkinson's disease. <i>Experimental Brain Research</i> , 1999 , 129, 477-81	2.3	29
96	Multisensory integration in dynamical behaviors: maximum likelihood estimation across bimanual skill learning. <i>Journal of Neuroscience</i> , 2009 , 29, 8419-28	6.6	28
95	The planning and control model (PCM) of motorvisual priming: reconciling motorvisual impairment and facilitation effects. <i>Psychological Review</i> , 2012 , 119, 388-407	6.3	27
94	Long lasting aftereffect of a single prism adaptation: Directionally biased shift in proprioception and late onset shift of internal egocentric reference frame. <i>Experimental Brain Research</i> , 2006 , 174, 189-98	3.3	27
93	Dissociation of 'on-line' and 'off-line' visuomotor control of the arm by focal lesions in the cerebellum and brainstem. <i>Neuroscience Letters</i> , 1999 , 264, 121-4	3.3	27
92	Frontoparietal theta activity supports behavioral decisions in movement-target selection. <i>Frontiers in Human Neuroscience</i> , 2012 , 6, 138	3.3	26
91	How instructions modify perception: an fMRI study investigating brain areas involved in attributing human agency. <i>NeuroImage</i> , 2010 , 52, 389-400	7.9	26
90	Central organization of crustacean abdominal posture motoneurons: connectivity and command fiber inputs. <i>The Journal of Experimental Zoology</i> , 1982 , 224, 45-56		26
89	Proprioceptive loss and the perception, control and learning of arm movements in humans: evidence from sensory neuronopathy. <i>Experimental Brain Research</i> , 2018 , 236, 2137-2155	2.3	25
88	The quick and the dead: when reaction beats intention. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 1667-74	4.4	25

87	Multi-joint limbs permit a flexible response to unpredictable events. <i>Experimental Brain Research</i> , 1997 , 117, 148-52	2.3	25
86	Expanding cerebellar horizons. <i>Trends in Cognitive Sciences</i> , 2001 , 5, 135-136	14	25
85	Eye muscle proprioception is represented bilaterally in the sensorimotor cortex. <i>Human Brain Mapping</i> , 2011 , 32, 624-31	5.9	24
84	Secondary tasks impair adaptation to step- and gradual-visual displacements. <i>Experimental Brain Research</i> , 2010 , 202, 473-84	2.3	24
83	Asymmetric interlimb transfer of concurrent adaptation to opposing dynamic forces. <i>Experimental Brain Research</i> , 2007 , 182, 267-73	2.3	24
82	Sensory prediction as a role for the cerebellum. <i>Behavioral and Brain Sciences</i> , 1996 , 19, 466-467	0.9	24
81	Modulation of linguistic prediction by TDCS of the right lateral cerebellum. <i>Neuropsychologia</i> , 2016 , 86, 103-9	3.2	23
80	Weight estimation in a "deafferented" man and in control subjects: are judgements influenced by peripheral or central signals?. <i>Experimental Brain Research</i> , 2000 , 133, 491-500	2.3	23
79	Planning of movement parameters in a visuo-motor tracking task. <i>Behavioural Brain Research</i> , 1988 , 27, 1-8	3.4	23
78	Functional activation in parieto-premotor and visual areas dependent on congruency between hand movement and visual stimuli during motor-visual priming. <i>NeuroImage</i> , 2007 , 34, 290-9	7.9	22
77	Evidence of a limited visuo-motor memory used in programming wrist movements. <i>Experimental Brain Research</i> , 1995 , 107, 267-80	2.3	20
76	Using optically pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum. <i>Journal of Physiology</i> , 2019 , 597, 4309-4324	3.9	19
75	On-line feedback control of human visually guided slow ramp tracking: effects of spatial separation of visual cues. <i>Neuroscience Letters</i> , 2003 , 338, 209-12	3.3	18
74	Detecting chaos with neural networks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1990 , 242, 82-86	4.4	18
73	Generalization of force-field adaptation in proprioceptively-deafferented subjects. <i>Neuroscience Letters</i> , 2016 , 616, 160-5	3.3	18
72	Neural changes associated with cerebellar tDCS studied using MR spectroscopy. <i>Experimental Brain Research</i> , 2018 , 236, 997-1006	2.3	16
71	Precocene II has juvenile-hormone effects in 5th instar <i>Locusta migratoria</i> . <i>Journal of Insect Physiology</i> , 1980 , 26, 361-364	2.4	16
70	Loss of haptic feedback impairs control of hand posture: a study in chronically deafferented individuals when grasping and lifting objects. <i>Experimental Brain Research</i> , 2019 , 237, 2167-2184	2.3	15

69	Cerebellar BOLD signal during the acquisition of a new lexicon predicts its early consolidation. <i>Brain and Language</i> , 2016 , 161, 33-44	2.9	15
68	EMG prediction from motor cortical recordings via a nonnegative point-process filter. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1829-38	5	15
67	Proprioceptive deafferentation slows down the processing of visual hand feedback. <i>Journal of Vision</i> , 2007 , 7, 12.1-7	0.4	15
66	Retinal adaptation of visual processing time delays. <i>Vision Research</i> , 1993 , 33, 1421-30	2.1	15
65	Targeted tDCS selectively improves motor adaptation with the proximal and distal upper limb. <i>Brain Stimulation</i> , 2020 , 13, 707-716	5.1	14
64	The role of cue-response mapping in motorvisual impairment and facilitation: evidence for different roles of action planning and action control in motorvisual dual-task priming. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2012 , 38, 336-49	2.6	14
63	Modular motor learning. <i>Trends in Cognitive Sciences</i> , 2002 , 6, 1-3	14	14
62	Increased response to visual feedback of drug-induced dyskinetic movements in advanced Parkinson's disease. <i>Neuroscience Letters</i> , 2001 , 304, 25-8	3.3	13
61	The influence of stimulus format on drawing--a functional imaging study of decision making in portrait drawing. <i>NeuroImage</i> , 2014 , 102 Pt 2, 608-19	7.9	12
60	The gaze-shift strategy in drawing.. <i>Psychology of Aesthetics, Creativity, and the Arts</i> , 2014 , 8, 330-339	4.9	12
59	Misconceptions about mirror-induced motor cortex activation. <i>Cerebral Cortex</i> , 2011 , 21, 1935-40	5.1	12
58	Microstimulation of movements from cerebellar-receiving, but not pallidal-receiving areas of the macaque thalamus under ketamine anaesthesia. <i>Experimental Brain Research</i> , 1998 , 123, 387-96	2.3	12
57	Boosting robot-assisted rehabilitation of stroke hemiparesis by individualized selection of upper limb movements - a pilot study. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019 , 16, 42	5.3	11
56	Steady-state movement related potentials for brain-computer interfacing. <i>IEEE Transactions on Biomedical Engineering</i> , 2009 , 56, 2104-13	5	10
55	Decreased visual attention further from the perceived direction of gaze for equidistant retinal targets. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 661-9	3.1	10
54	Ocular limit cycles induced by delayed retinal feedback. <i>Experimental Brain Research</i> , 1993 , 96, 173-80	2.3	10
53	Does Proprioception Influence Human Spatial Cognition? A Study on Individuals With Massive Deafferentation. <i>Frontiers in Psychology</i> , 2018 , 9, 1322	3.4	9
52	Spatially valid proprioceptive cues improve the detection of a visual stimulus. <i>Experimental Brain Research</i> , 2010 , 205, 31-40	2.3	9

51	Proprioceptive deficits in inactive older adults are not reflected in fast targeted reaching movements. <i>Experimental Brain Research</i> , 2019 , 237, 531-545	2.3	9
50	Using predictive motor control processes in a cognitive task: behavioral and neuroanatomical perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 629, 337-54	3.6	9
49	Interference effects from observed movement in Parkinson's disease. <i>Journal of Motor Behavior</i> , 2010 , 42, 145-9	1.4	8
48	The morphological and behavioural effects of precocene II on <i>Locusta</i> . <i>Journal of Insect Physiology</i> , 1980 , 26, 607-612	2.4	8
47	Cerebellar damage limits reinforcement learning. <i>Brain</i> , 2016 , 139, 4-7	11.2	7
46	Exploring the quiet eye in archery using field- and laboratory-based tasks. <i>Experimental Brain Research</i> , 2017 , 235, 2843-2855	2.3	7
45	A study of motor performance and motor learning in episodic ataxia. <i>NeuroReport</i> , 1997 , 8, 2159-64	1.7	6
44	Readers see red over low-impact graphics. <i>Nature</i> , 2007 , 445, 147	50.4	5
43	Contralateral manual compensation for velocity-dependent force perturbations. <i>Experimental Brain Research</i> , 2008 , 184, 261-7	2.3	5
42	Sensorimotor adaptation as a behavioural biomarker of early spinocerebellar ataxia type 6. <i>Scientific Reports</i> , 2017 , 7, 2366	4.9	4
41	Motor control: correcting errors and learning from mistakes. <i>Current Biology</i> , 2010 , 20, R596-8	6.3	4
40	Changes in motion perception following oculomotor smooth pursuit adaptation. <i>Perception & Psychophysics</i> , 2000 , 62, 378-85		4
39	State Estimation and the Cerebellum 2013 , 1297-1313		4
38	Online Visual Feedback during Error-Free Channel Trials Leads to Active Unlearning of Movement Dynamics: Evidence for Adaptation to Trajectory Prediction Errors. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 472	3.3	4
37	Control of wrist movement in deafferented man: evidence for a mixed strategy of position and amplitude control. <i>Experimental Brain Research</i> , 2017 , 235, 3403-3416	2.3	3
36	Local learning of inverse kinematics in human reaching movement. <i>Human Movement Science</i> , 1997 , 16, 133-147	2.4	3
35	The onset of voluntary reactive movement is temporally influenced by the central oscillation in action tremor caused by multiple sclerosis. <i>Neuroscience Letters</i> , 2008 , 445, 122-5	3.3	3
34	Time series analysis of neuronal signals recorded in the cerebellum of trained monkeys. <i>Journal of Theoretical Biology</i> , 1984 , 107, 367-85	2.3	3

33	Program for the online analysis and display of neuronal activity. <i>Medical and Biological Engineering and Computing</i> , 1983 , 21, 771-5	3.1	3
32	Individual movement features during prism adaptation correlate with after-effects and interlimb transfer. <i>Psychological Research</i> , 2020 , 84, 866-880	2.5	3
31	Perception of body shape and size without touch or proprioception: evidence from individuals with congenital and acquired neuropathy. <i>Experimental Brain Research</i> , 2021 , 239, 1203-1221	2.3	3
30	Effect of tDCS Over the Right Inferior Parietal Lobule on Mind-Wandering Propensity. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 230	3.3	2
29	Cerebellum: Anatomy and Function 2016 , 1277-1295		2
28	Pedunculopontine nucleus. <i>Journal of Neurosurgery</i> , 2004 , 100, 978-9; author reply 979	3.2	2
27	Simple or complex systems?. <i>Behavioral and Brain Sciences</i> , 1986 , 9, 734-734	0.9	2
26	Adaptation of reach action to a novel force-field is not predicted by acuity of dynamic proprioception in either older or younger adults		2
25	Adaptation of reach action to a novel force-field is not predicted by acuity of dynamic proprioception in either older or younger adults. <i>Experimental Brain Research</i> , 2021 , 239, 557-574	2.3	2
24	Using optically-pumped magnetometers to measure magnetoencephalographic signals in the human cerebellum		2
23	Direct and indirect effects of cathodal cerebellar TDCS on visuomotor adaptation of hand and arm movements. <i>Scientific Reports</i> , 2021 , 11, 4464	4.9	2
22	How and Why the Cerebellum Recodes Input Signals: An Alternative to Machine Learning. <i>Neuroscientist</i> , 2021 , 1073858420986795	7.6	2
21	Mapping upper-limb motor performance after stroke - a novel method with utility for individualized motor training. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2017 , 14, 127	5.3	1
20	2009 ,		1
19	Steady-state movement related potentials for brain computer interfacing. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 5310-3	0.9	1
18	Stopping the clock. <i>Trends in Cognitive Sciences</i> , 2002 , 6, 66	14	1
17	Learning by doing. <i>Trends in Cognitive Sciences</i> , 2001 , 5, 4-5	14	1
16	Stimulating times for TMS. <i>Trends in Cognitive Sciences</i> , 2001 , 5, 329	14	1

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