

Kate E Watkins

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107 papers	18,034 citations	44 h-index	133 g-index
133 ext. papers	20,542 ext. citations	6.9 avg, IF	6.3 L-index

#	Paper	IF	Citations
107	Characteristics of articulatory gestures in stuttered speech: A case study using real-time magnetic resonance imaging.. <i>Journal of Communication Disorders</i> , 2022 , 97, 106213	1.9	
106	Disruption of speech motor adaptation with repetitive transcranial magnetic stimulation of the articulatory representation in primary motor cortex. <i>Cortex</i> , 2021 , 145, 115-130	3.8	0
105	Morphological and functional variability in central and subcentral motor cortex of the human brain. <i>Brain Structure and Function</i> , 2021 , 226, 263-279	4	14
104	Investigating the effects of handedness on the consistency of lateralization for speech production and semantic processing tasks using functional transcranial Doppler sonography. <i>Laterality</i> , 2021 , 26, 680-705	2	3
103	Functional organisation for verb generation in children with developmental language disorder. <i>NeuroImage</i> , 2021 , 226, 117599	7.9	5
102	Asymmetry of Auditory-Motor Speech Processing is Determined by Language Experience. <i>Journal of Neuroscience</i> , 2021 , 41, 1059-1067	6.6	2
101	Elevated iron concentration in putamen and cortical speech motor network in developmental stuttering. <i>Brain</i> , 2021 , 144, 2979-2984	11.2	3
100	Speech Movement Variability in People Who Stutter: A Vocal Tract Magnetic Resonance Imaging Study. <i>Journal of Speech, Language, and Hearing Research</i> , 2021 , 64, 2438-2452	2.8	6
99	The perils of learning to move while speaking: One-sided interference between speech and visuomotor adaptation. <i>Psychonomic Bulletin and Review</i> , 2020 , 27, 544-552	4.1	7
98	Cross-species cortical alignment identifies different types of anatomical reorganization in the primate temporal lobe. <i>ELife</i> , 2020 , 9,	8.9	37
97	Failure of tDCS to modulate motor excitability and speech motor learning. <i>Neuropsychologia</i> , 2020 , 146, 107568	3.2	3
96	Neurobiology of Language: Editorial. <i>Neurobiology of Language (Cambridge, Mass)</i> , 2020 , 1, 1-8	2.6	
95	Mapping Human Laryngeal Motor Cortex during Vocalization. <i>Cerebral Cortex</i> , 2020 , 30, 6254-6269	5.1	14
94	Structural and functional brain reorganisation due to blindness: The special case of bilateral congenital anophthalmia. <i>Neuroscience and Biobehavioral Reviews</i> , 2019 , 107, 765-774	9	8
93	A challenge for the procedural deficit hypothesis: How should we measure sequential learning in childhood?. <i>Developmental Science</i> , 2019 , 22, e12815	4.5	3
92	Neocerebellar Crus I Abnormalities Associated with a Speech and Language Disorder Due to a Mutation in FOXP2. <i>Cerebellum</i> , 2019 , 18, 309-319	4.3	6
91	Cortico-cerebellar Networks Drive Sensorimotor Learning in Speech. <i>Journal of Cognitive Neuroscience</i> , 2018 , 30, 540-551	3.1	13

90	Separation of trait and state in stuttering. <i>Human Brain Mapping</i> , 2018 , 39, 3109-3126	5.9	12
89	Transcranial direct current stimulation over left inferior frontal cortex improves speech fluency in adults who stutter. <i>Brain</i> , 2018 , 141, 1161-1171	11.2	32
88	Planum temporale asymmetry in people who stutter. <i>Journal of Fluency Disorders</i> , 2018 , 55, 94-105	2.3	8
87	Brenda Milner on her 100th birthday: a lifetime of 'good ideas' <i>Brain</i> , 2018 , 141, 2527-2532	11.2	1
86	The influence of evaluative right/wrong feedback on phonological and semantic processes in word learning. <i>Royal Society Open Science</i> , 2018 , 5, 171496	3.3	3
85	Robust Sensorimotor Learning during Variable Sentence-Level Speech. <i>Current Biology</i> , 2018 , 28, 3106-3113.e218	13.5	18
84	Facilitation of motor excitability during listening to spoken sentences is not modulated by noise or semantic coherence. <i>Cortex</i> , 2018 , 103, 44-54	3.8	7
83	The effect of recall, reproduction, and restudy on word learning: a pre-registered study. <i>BMC Psychology</i> , 2017 , 5, 28	2.8	7
82	Investigating the feasibility of using transcranial direct current stimulation to enhance fluency in people who stutter. <i>Brain and Language</i> , 2017 , 164, 68-76	2.9	18
81	The role of the left inferior parietal lobule in second language learning: An intensive language training fMRI study. <i>Neuropsychologia</i> , 2017 , 98, 169-176	3.2	29
80	Neurobiological Basis of Language Learning Difficulties. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 701-714	14	109
79	Neural basis of understanding communicative actions: Changes associated with knowing the actor's intention and the meanings of the actions. <i>Neuropsychologia</i> , 2016 , 81, 230-237	3.2	8
78	The Anatomy of the Basal Ganglia 2016 , 85-94		3
77	Cerebral lateralisation of first and second languages in bilinguals assessed using functional transcranial Doppler ultrasound. <i>Wellcome Open Research</i> , 2016 , 1, 15	4.8	
76	The Neurobiology of Developmental Stuttering 2016 , 995-1004		1
75	Patterns of Individual Variation in Visual Pathway Structure and Function in the Sighted and Blind. <i>PLoS ONE</i> , 2016 , 11, e0164677	3.7	25
74	Cognitive Neuroscience: The Neural Basis of Motor Learning by Observing. <i>Current Biology</i> , 2016 , 26, R288-90	6.3	9
73	The neurological underpinnings of cluttering: Some initial findings. <i>Journal of Fluency Disorders</i> , 2015 , 43, 1-16	2.3	10

72	Neural activation in speech production and reading aloud in native and non-native languages. <i>NeuroImage</i> , 2015 , 112, 208-217	7.9	43
71	Subcortical functional reorganization due to early blindness. <i>Journal of Neurophysiology</i> , 2015 , 113, 2889-2909	3.2	21
70	Neurochemical changes in the pericalcarine cortex in congenital blindness attributable to bilateral anophthalmia. <i>Journal of Neurophysiology</i> , 2015 , 114, 1725-33	3.2	12
69	Resting-State Retinotopic Organization in the Absence of Retinal Input and Visual Experience. <i>Journal of Neuroscience</i> , 2015 , 35, 12366-82	6.6	45
68	Attention fine-tunes auditory-motor processing of speech sounds. <i>Journal of Neuroscience</i> , 2014 , 34, 4064-9	6.6	43
67	Disrupted white matter in language and motor tracts in developmental stuttering. <i>Brain and Language</i> , 2014 , 131, 25-35	2.9	74
66	Stimulating the lip motor cortex with transcranial magnetic stimulation. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	17
65	Discrimination of speech and non-speech sounds following theta-burst stimulation of the motor cortex. <i>Frontiers in Psychology</i> , 2014 , 5, 754	3.4	23
64	Neuroplasticity, neuroimaging, and bilingualism: Commentary on Baum and Titone. <i>Applied Psycholinguistics</i> , 2014 , 35, 917-920	1.4	
63	Age of language learning shapes brain structure: a cortical thickness study of bilingual and monolingual individuals. <i>Brain and Language</i> , 2014 , 131, 20-4	2.9	159
62	Motor excitability during visual perception of known and unknown spoken languages. <i>Brain and Language</i> , 2013 , 126, 1-7	2.9	15
61	Auditory-motor processing of speech sounds. <i>Cerebral Cortex</i> , 2013 , 23, 1190-7	5.1	76
60	Early auditory processing in area V5/MT+ of the congenitally blind brain. <i>Journal of Neuroscience</i> , 2013 , 33, 18242-6	6.6	53
59	Co-localisation of abnormal brain structure and function in specific language impairment. <i>Brain and Language</i> , 2012 , 120, 310-20	2.9	80
58	Learning to play a melody: an fMRI study examining the formation of auditory-motor associations. <i>NeuroImage</i> , 2012 , 59, 1200-8	7.9	71
57	Anatomical correlates of dynamic auditory processing: relationship to literacy during early adolescence. <i>NeuroImage</i> , 2012 , 60, 1287-95	7.9	15
56	Using TMS to study the role of the articulatory motor system in speech perception. <i>Aphasiology</i> , 2012 , 26, 1103-1118	1.6	42
55	A role for the subthalamic nucleus in response inhibition during conflict. <i>Journal of Neuroscience</i> , 2012 , 32, 13396-401	6.6	102

54	The fate of the oculomotor system in clinical bilateral anophthalmia. <i>Visual Neuroscience</i> , 2012 , 29, 193-202	5
53	Language networks in anophthalmia: maintained hierarchy of processing in VisualTcortex. <i>Brain</i> , 2012 , 135, 1566-77	11.2 74
52	Chapter 4: Brain Structure and Function in Developmental Stuttering and Bilingualism 2011 , 63-90	
51	Developmental disorders of speech and language: from genes to brain structure and function. <i>Progress in Brain Research</i> , 2011 , 189, 225-38	2.9 30
50	Genetic susceptibility to persistent stuttering. <i>New England Journal of Medicine</i> , 2010 , 362, 2226; author reply 2227	59.2 9
49	Longitudinal changes in grey and white matter during adolescence. <i>NeuroImage</i> , 2010 , 49, 94-103	7.9 302
48	Lateralization of motor excitability during observation of bimanual signs. <i>Neuropsychologia</i> , 2010 , 48, 3173-7	3.2 13
47	Motor representations of articulators contribute to categorical perception of speech sounds. <i>Journal of Neuroscience</i> , 2009 , 29, 9819-25	6.6 168
46	Imaging studies in congenital anophthalmia reveal preservation of brain architecture in VisualT cortex. <i>Brain</i> , 2009 , 132, 3467-80	11.2 105
45	Supramarginal gyrus involvement in visual word recognition. <i>Cortex</i> , 2009 , 45, 1091-6	3.8 190
44	Correspondence of the brain's functional architecture during activation and rest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13040-5	11.5 3661
43	Integration of Measures of Functional and Structural MRI. <i>NeuroMethods</i> , 2009 , 785-809	0.4
42	Changes in white matter microstructure during adolescence. <i>NeuroImage</i> , 2008 , 39, 52-61	7.9 238
41	Neural activity of the anterior insula in emotional processing depends on the individualsTemotional susceptibility. <i>Human Brain Mapping</i> , 2008 , 29, 363-73	5.9 29
40	Changes in neural activity associated with learning to articulate novel auditory pseudowords by covert repetition. <i>Human Brain Mapping</i> , 2008 , 29, 1231-42	5.9 100
39	Structural and functional abnormalities of the motor system in developmental stuttering. <i>Brain</i> , 2008 , 131, 50-9	11.2 271
38	Transcranial Magnetic Stimulation (TMS) as a Tool for Studying Language 2008 , 115-124	1
37	Stimulating language: insights from TMS. <i>Brain</i> , 2007 , 130, 610-22	11.2 183

36	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. <i>Brain</i> , 2007 , 130, 2375-86	11.2	605
35	Genes, maternal smoking, and the offspring brain and body during adolescence: design of the Saguenay Youth Study. <i>Human Brain Mapping</i> , 2007 , 28, 502-18	5.9	103
34	Word and nonword repetition in bilingual subjects: a PET study. <i>Human Brain Mapping</i> , 2006 , 27, 153-61	5.9	65
33	Hemispheric specialization for processing auditory nonspeech stimuli. <i>Cerebral Cortex</i> , 2006 , 16, 1266-75	5.1	139
32	Asymmetries of the planum temporale and Heschl's gyrus: relationship to language lateralization. <i>Brain</i> , 2006 , 129, 1164-76	11.2	181
31	Tract-based spatial statistics: voxelwise analysis of multi-subject diffusion data. <i>NeuroImage</i> , 2006 , 31, 1487-505	7.9	4763
30	Structural and functional brain abnormalities associated with developmental stuttering. <i>NeuroImage</i> , 2006 , 31, 244MPM	7.9	
29	Cognitive functioning in bilateral perisylvian polymicrogyria (BPP): clinical and radiological correlations. <i>Epilepsy and Behavior</i> , 2005 , 6, 393-404	3.2	15
28	Brain activity during altered auditory feedback: an fMRI study in healthy adolescents. <i>NeuroImage</i> , 2005 , 26, 304	7.9	7
27	Modulation of motor excitability during speech perception: the role of Broca's area. <i>Journal of Cognitive Neuroscience</i> , 2004 , 16, 978-87	3.1	224
26	Developmental amnesia and its relationship to degree of hippocampal atrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13060-3	11.5	96
25	Developmental amnesia: effect of age at injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 10055-60	11.5	105
24	Seeing and hearing speech excites the motor system involved in speech production. <i>Neuropsychologia</i> , 2003 , 41, 989-94	3.2	459
23	Bilateral brain abnormalities associated with dominantly inherited verbal and orofacial dyspraxia. <i>Human Brain Mapping</i> , 2003 , 18, 194-200	5.9	158
22	Behavioural analysis of an inherited speech and language disorder: comparison with acquired aphasia. <i>Brain</i> , 2002 , 125, 452-64	11.2	319
21	MRI analysis of an inherited speech and language disorder: structural brain abnormalities. <i>Brain</i> , 2002 , 125, 465-78	11.2	321
20	Structural asymmetries in the human brain: a voxel-based statistical analysis of 142 MRI scans. <i>Cerebral Cortex</i> , 2001 , 11, 868-77	5.1	356
19	Functional imaging study of word and nonword repetition in bilingual subjects. <i>NeuroImage</i> , 2001 , 13, 552	7.9	2

18	Developmental amnesia associated with early hypoxic-ischaemic injury. <i>Brain</i> , 2000 , 123 Pt 3, 499-507	11.2	261
17	Oral dyspraxia in inherited speech and language impairment and acquired dysphasia. <i>Brain and Language</i> , 2000 , 75, 17-33	2.9	129
16	Pitch and timing abilities in inherited speech and language impairment. <i>Brain and Language</i> , 2000 , 75, 34-46	2.9	112
15	Functional and structural brain abnormalities associated with a genetic disorder of speech and language. <i>American Journal of Human Genetics</i> , 1999 , 65, 1215-21	11	72
14	Localisation of a gene implicated in a severe speech and language disorder. <i>Nature Genetics</i> , 1998 , 18, 168-70	36.3	377
13	Cognitive deficits associated with frontal-lobe infarction in children with sickle cell disease. <i>Developmental Medicine and Child Neurology</i> , 1998 , 40, 536-43	3.3	69
12	Neural basis of an inherited speech and language disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 12695-700	11.5	338
11	Differential effects of early hippocampal pathology on episodic and semantic memory. <i>Science</i> , 1997 , 277, 376-80	33.3	1389
10	Management of childhood craniopharyngioma: can the morbidity of radical surgery be predicted?. <i>Journal of Neurosurgery</i> , 1996 , 85, 73-81	3.2	239
9	Verbal memory impairment after right temporal lobe surgery: role of contralateral damage as revealed by 1H magnetic resonance spectroscopy and T2 relaxometry. <i>Neurology</i> , 1995 , 45, 797-802	6.5	95
8	Praxic and nonverbal cognitive deficits in a large family with a genetically transmitted speech and language disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 930-3	11.5	320
7	Mapping human laryngeal motor cortex during vocalization		1
6	Genome-wide association analyses of individual differences in quantitatively assessed reading- and language-related skills in up to 34,000 people		6
5	Transcranial direct current stimulation over left inferior frontal cortex improves speech fluency in adults who stutter		1
4	Altered auditory feedback induces coupled changes in formant frequencies during speech production		1
3	Facilitation of motor excitability during listening to spoken sentences is not modulated by noise or semantic coherence		1
2	Morphological and functional variability in central and subcentral motor cortex of the human brain		5
1	Asymmetry of auditory-motor speech processing is determined by language experience		1

