Kate E Watkins

List of Publications by Citations

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	Tract-based spatial statistics: voxelwise analysis of multi-subject diffusion data. *NeuroImage*, **2006**, 31, 1487-505	7.9	4763
106	Correspondence of the brain's functional architecture during activation and rest. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13040-5	11.5	3661
105	Differential effects of early hippocampal pathology on episodic and semantic memory. *Science*, **1997**, 277, 376-80	33.3	1389
104	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. *Brain*, **2007**, 130, 2375-86	11.2	605
103	Seeing and hearing speech excites the motor system involved in speech production. *Neuropsychologia*, **2003**, 41, 989-94	3.2	459
102	Localisation of a gene implicated in a severe speech and language disorder. *Nature Genetics*, **1998**, 18, 168-70	36.3	377
101	Structural asymmetries in the human brain: a voxel-based statistical analysis of 142 MRI scans. *Cerebral Cortex*, **2001**, 11, 868-77	5.1	356
100	Neural basis of an inherited speech and language disorder. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 12695-700	11.5	338
99	MRI analysis of an inherited speech and language disorder: structural brain abnormalities. *Brain*, **2002**, 125, 465-78	11.2	321
98	Praxic and nonverbal cognitive deficits in a large family with a genetically transmitted speech and language disorder. *Proceedings of the National Academy of Sciences of the United States of America*, **1995**, 92, 930-3	11.5	320
97	Behavioural analysis of an inherited speech and language disorder: comparison with acquired aphasia. *Brain*, **2002**, 125, 452-64	11.2	319
96	Longitudinal changes in grey and white matter during adolescence. *NeuroImage*, **2010**, 49, 94-103	7.9	302
95	Structural and functional abnormalities of the motor system in developmental stuttering. *Brain*, **2008**, 131, 50-9	11.2	271
94	Developmental amnesia associated with early hypoxic-ischaemic injury. *Brain*, **2000**, 123 Pt 3, 499-507	11.2	261
93	Management of childhood craniopharyngioma: can the morbidity of radical surgery be predicted?. *Journal of Neurosurgery*, **1996**, 85, 73-81	3.2	239
92	Changes in white matter microstructure during adolescence. *NeuroImage*, **2008**, 39, 52-61	7.9	238
91	Modulation of motor excitability during speech perception: the role of Broca's area. *Journal of Cognitive Neuroscience*, **2004**, 16, 978-87	3.1	224

90	Supramarginal gyrus involvement in visual word recognition. *Cortex*, **2009**, 45, 1091-6	3.8	190
89	Stimulating language: insights from TMS. *Brain*, **2007**, 130, 610-22	11.2	183
88	Asymmetries of the planum temporale and Heschl's gyrus: relationship to language lateralization. *Brain*, **2006**, 129, 1164-76	11.2	181
87	Motor representations of articulators contribute to categorical perception of speech sounds. *Journal of Neuroscience*, **2009**, 29, 9819-25	6.6	168
86	Age of language learning shapes brain structure: a cortical thickness study of bilingual and monolingual individuals. *Brain and Language*, **2014**, 131, 20-4	2.9	159
85	Bilateral brain abnormalities associated with dominantly inherited verbal and orofacial dyspraxia. *Human Brain Mapping*, **2003**, 18, 194-200	5.9	158
84	Hemispheric specialization for processing auditory nonspeech stimuli. *Cerebral Cortex*, **2006**, 16, 1266-75	5.1	139
83	Oral dyspraxia in inherited speech and language impairment and acquired dysphasia. *Brain and Language*, **2000**, 75, 17-33	2.9	129
82	Pitch and timing abilities in inherited speech and language impairment. *Brain and Language*, **2000**, 75, 34-46	2.9	112
81	Neurobiological Basis of Language Learning Difficulties. *Trends in Cognitive Sciences*, **2016**, 20, 701-714	14	109
80	Imaging studies in congenital anophthalmia reveal preservation of brain architecture in 'visual' cortex. *Brain*, **2009**, 132, 3467-80	11.2	105
79	Developmental amnesia: effect of age at injury. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 10055-60	11.5	105
78	Genes, maternal smoking, and the offspring brain and body during adolescence: design of the Saguenay Youth Study. *Human Brain Mapping*, **2007**, 28, 502-18	5.9	103
77	A role for the subthalamic nucleus in response inhibition during conflict. *Journal of Neuroscience*, **2012**, 32, 13396-401	6.6	102
76	Changes in neural activity associated with learning to articulate novel auditory pseudowords by covert repetition. *Human Brain Mapping*, **2008**, 29, 1231-42	5.9	100
75	Developmental amnesia and its relationship to degree of hippocampal atrophy. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 13060-3	11.5	96
74	Verbal memory impairment after right temporal lobe surgery: role of contralateral damage as revealed by 1H magnetic resonance spectroscopy and T2 relaxometry. *Neurology*, **1995**, 45, 797-802	6.5	95
73	Co-localisation of abnormal brain structure and function in specific language impairment. *Brain and Language*, **2012**, 120, 310-20	2.9	80

72	Auditory-motor processing of speech sounds. *Cerebral Cortex*, **2013**, 23, 1190-7	5.1	76
71	Disrupted white matter in language and motor tracts in developmental stuttering. *Brain and Language*, **2014**, 131, 25-35	2.9	74
70	Language networks in anophthalmia: maintained hierarchy of processing in 'visual'cortex. *Brain*, **2012**, 135, 1566-77	11.2	74
69	Functional and structural brain abnormalities associated with a genetic disorder of speech and language. *American Journal of Human Genetics*, **1999**, 65, 1215-21	11	72
68	Learning to play a melody: an fMRI study examining the formation of auditory-motor associations. *NeuroImage*, **2012**, 59, 1200-8	7.9	71
67	Cognitive deficits associated with frontal-lobe infarction in children with sickle cell disease. *Developmental Medicine and Child Neurology*, **1998**, 40, 536-43	3.3	69
66	Word and nonword repetition in bilingual subjects: a PET study. *Human Brain Mapping*, **2006**, 27, 153-61	5.9	65
65	Early auditory processing in area V5/MT+ of the congenitally blind brain. *Journal of Neuroscience*, **2013**, 33, 18242-6	6.6	53
64	Resting-State Retinotopic Organization in the Absence of Retinal Input and Visual Experience. *Journal of Neuroscience*, **2015**, 35, 12366-82	6.6	45
63	Neural activation in speech production and reading aloud in native and non-native languages. *NeuroImage*, **2015**, 112, 208-217	7.9	43
62	Attention fine-tunes auditory-motor processing of speech sounds. *Journal of Neuroscience*, **2014**, 34, 4064-9	6.6	43
61	Using TMS to study the role of the articulatory motor system in speech perception. *Aphasiology*, **2012**, 26, 1103-1118	1.6	42
60	Cross-species cortical alignment identifies different types of anatomical reorganization in the primate temporal lobe. *ELife*, **2020**, 9,	8.9	37
59	Transcranial direct current stimulation over left inferior frontal cortex improves speech fluency in adults who stutter. *Brain*, **2018**, 141, 1161-1171	11.2	32
58	Developmental disorders of speech and language: from genes to brain structure and function. *Progress in Brain Research*, **2011**, 189, 225-38	2.9	30
57	The role of the left inferior parietal lobule in second language learning: An intensive language training fMRI study. *Neuropsychologia*, **2017**, 98, 169-176	3.2	29
56	Neural activity of the anterior insula in emotional processing depends on the individuals'emotional susceptibility. *Human Brain Mapping*, **2008**, 29, 363-73	5.9	29
55	Patterns of Individual Variation in Visual Pathway Structure and Function in the Sighted and Blind. *PLoS ONE*, **2016**, 11, e0164677	3.7	25

54	Discrimination of speech and non-speech sounds following theta-burst stimulation of the motor cortex. *Frontiers in Psychology*, **2014**, 5, 754	3.4	23
53	Subcortical functional reorganization due to early blindness. *Journal of Neurophysiology*, **2015**, 113, 2889-99	3.2	21
52	Investigating the feasibility of using transcranial direct current stimulation to enhance fluency in people who stutter. *Brain and Language*, **2017**, 164, 68-76	2.9	18
51	Robust Sensorimotor Learning during Variable Sentence-Level Speech. *Current Biology*, **2018**, 28, 3106-3113.e2	6.3	18
50	Stimulating the lip motor cortex with transcranial magnetic stimulation. *Journal of Visualized Experiments*, **2014**,	1.6	17
49	Motor excitability during visual perception of known and unknown spoken languages. *Brain and Language*, **2013**, 126, 1-7	2.9	15
48	Anatomical correlates of dynamic auditory processing: relationship to literacy during early adolescence. *NeuroImage*, **2012**, 60, 1287-95	7.9	15
47	Cognitive functioning in bilateral perisylvian polymicrogyria (BPP): clinical and radiological correlations. *Epilepsy and Behavior*, **2005**, 6, 393-404	3.2	15
46	Morphological and functional variability in central and subcentral motor cortex of the human brain. *Brain Structure and Function*, **2021**, 226, 263-279	4	14
45	Mapping Human Laryngeal Motor Cortex during Vocalization. *Cerebral Cortex*, **2020**, 30, 6254-6269	5.1	14
44	Cortico-cerebellar Networks Drive Sensorimotor Learning in Speech. *Journal of Cognitive Neuroscience*, **2018**, 30, 540-551	3.1	13
43	Lateralization of motor excitability during observation of bimanual signs. *Neuropsychologia*, **2010**, 48, 3173-7	3.2	13
42	Neurochemical changes in the pericalcarine cortex in congenital blindness attributable to bilateral anophthalmia. *Journal of Neurophysiology*, **2015**, 114, 1725-33	3.2	12
41	Separation of trait and state in stuttering. *Human Brain Mapping*, **2018**, 39, 3109-3126	5.9	12
40	The neurological underpinnings of cluttering: Some initial findings. *Journal of Fluency Disorders*, **2015**, 43, 1-16	2.3	10
39	Genetic susceptibility to persistent stuttering. *New England Journal of Medicine*, **2010**, 362, 2226; author reply 2227	59.2	9
38	Cognitive Neuroscience: The Neural Basis of Motor Learning by Observing. *Current Biology*, **2016**, 26, R288-90	6.3	9
37	Planum temporale asymmetry in people who stutter. *Journal of Fluency Disorders*, **2018**, 55, 94-105	2.3	8

36	Neural basis of understanding communicative actions: Changes associated with knowing the actor's intention and the meanings of the actions. *Neuropsychologia*, **2016**, 81, 230-237	3.2	8
35	Structural and functional brain reorganisation due to blindness: The special case of bilateral congenital anophthalmia. *Neuroscience and Biobehavioral Reviews*, **2019**, 107, 765-774	9	8
34	The perils of learning to move while speaking: One-sided interference between speech and visuomotor adaptation. *Psychonomic Bulletin and Review*, **2020**, 27, 544-552	4.1	7
33	The effect of recall, reproduction, and restudy on word learning: a pre-registered study. *BMC Psychology*, **2017**, 5, 28	2.8	7
32	Brain activity during altered auditory feedback: an FMRI study in healthy adolescents. *NeuroImage*, **2005**, 26, 304	7.9	7
31	Facilitation of motor excitability during listening to spoken sentences is not modulated by noise or semantic coherence. *Cortex*, **2018**, 103, 44-54	3.8	7
30	Genome-wide association analyses of individual differences in quantitatively assessed reading- and language-related skills in up to 34,000 people		6
29	Neocerebellar Crus I Abnormalities Associated with a Speech and Language Disorder Due to a Mutation in FOXP2. *Cerebellum*, **2019**, 18, 309-319	4.3	6
28	Speech Movement Variability in People Who Stutter: A Vocal Tract Magnetic Resonance Imaging Study. *Journal of Speech, Language, and Hearing Research*, **2021**, 64, 2438-2452	2.8	6
27	The fate of the oculomotor system in clinical bilateral anophthalmia. *Visual Neuroscience*, **2012**, 29, 193-202	2.7	5
26	Morphological and functional variability in central and subcentral motor cortex of the human brain		5
25	Functional organisation for verb generation in children with developmental language disorder. *NeuroImage*, **2021**, 226, 117599	7.9	5
24	The Anatomy of the Basal Ganglia **2016**, 85-94		3
23	Failure of tDCS to modulate motor excitability and speech motor learning. *Neuropsychologia*, **2020**, 146, 107568	3.2	3
22	Investigating the effects of handedness on the consistency of lateralization for speech production and semantic processing tasks using functional transcranial Doppler sonography. *Laterality*, **2021**, 26, 680-705	2	3
21	A challenge for the procedural deficit hypothesis: How should we measure sequential learning in childhood?. *Developmental Science*, **2019**, 22, e12815	4.5	3
20	Elevated iron concentration in putamen and cortical speech motor network in developmental stuttering. *Brain*, **2021**, 144, 2979-2984	11.2	3
19	The influence of evaluative right/wrong feedback on phonological and semantic processes in word learning. *Royal Society Open Science*, **2018**, 5, 171496	3.3	3

18	Functional imaging study of word and nonword repetition in bilingual subjects. *NeuroImage*, **2001**, 13, 552	7.9	2
17	Asymmetry of Auditory-Motor Speech Processing is Determined by Language Experience. *Journal of Neuroscience*, **2021**, 41, 1059-1067	6.6	2
16	Brenda Milner on her 100th birthday: a lifetime of ‘good ideas’. *Brain*, **2018**, 141, 2527-2532	11.2	1
15	Mapping human laryngeal motor cortex during vocalization		1
14	Transcranial direct current stimulation over left inferior frontal cortex improves speech fluency in adults who stutter		1
13	Altered auditory feedback induces coupled changes in formant frequencies during speech production		1
12	Transcranial Magnetic Stimulation (TMS) as a Tool for Studying Language **2008**, 115-124		1
11	Facilitation of motor excitability during listening to spoken sentences is not modulated by noise or semantic coherence		1
10	Asymmetry of auditory-motor speech processing is determined by language experience		1
9	The Neurobiology of Developmental Stuttering **2016**, 995-1004		1
8	Disruption of speech motor adaptation with repetitive transcranial magnetic stimulation of the articulatory representation in primary motor cortex. *Cortex*, **2021**, 145, 115-130	3.8	0
7	Neuroplasticity, neuroimaging, and bilingualism: Commentary on Baum and Titone. *Applied Psycholinguistics*, **2014**, 35, 917-920	1.4	
6	Chapter 4: Brain Structure and Function in Developmental Stuttering and Bilingualism **2011**, 63-90		
5	Structural and functional brain abnormalities associated with developmental stuttering. *NeuroImage*, **2006**, 31, 244MPM	7.9	
4	Integration of Measures of Functional and Structural MRI. *Neuromethods*, **2009**, 785-809	0.4	
3	Neurobiology of Language: Editorial. *Neurobiology of Language (Cambridge, Mass.)*, **2020**, 1, 1-8	2.6	
2	Cerebral lateralisation of first and second languages in bilinguals assessed using functional transcranial Doppler ultrasound. *Wellcome Open Research*, **2016**, 1, 15	4.8	
1	Characteristics of articulatory gestures in stuttered speech: A case study using real-time magnetic resonance imaging.. *Journal of Communication Disorders*, **2022**, 97, 106213	1.9	