Kate E Watkins

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3650922/publications.pdf

Version: 2024-02-01

103 papers	22,071 citations	50244 46 h-index	38368 95 g-index
133 all docs	133 docs citations	133 times ranked	22626 citing authors

#	Article	IF	Citations
1	Characteristics of articulatory gestures in stuttered speech: A case study using real-time magnetic resonance imaging. Journal of Communication Disorders, 2022, 97, 106213.	0.8	2
2	Language and nonverbal auditory processing in the occipital cortex of individuals who are congenitally blind due to anophthalmia. Neuropsychologia, 2022, 173, 108304.	0.7	4
3	Functional organisation for verb generation in children with developmental language disorder. NeuroImage, 2021, 226, 117599.	2.1	13
4	Asymmetry of Auditory-Motor Speech Processing is Determined by Language Experience. Journal of Neuroscience, 2021, 41, 1059-1067.	1.7	9
5	Elevated iron concentration in putamen and cortical speech motor network in developmental stuttering. Brain, 2021, 144, 2979-2984.	3.7	15
6	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.	0.5	12
7	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.	0.7	12
8	Morphological and functional variability in central and subcentral motor cortex of the human brain. Brain Structure and Function, 2021, 226, 263-279.	1.2	28
9	Disruption of speech motor adaptation with repetitive transcranial magnetic stimulation of the articulatory representation in primary motor cortex. Cortex, 2021, 145, 115-130.	1.1	6
10	Failure of tDCS to modulate motor excitability and speech motor learning. Neuropsychologia, 2020, 146, 107568.	0.7	7
11	Neurobiology of Language: Editorial. Neurobiology of Language (Cambridge, Mass), 2020, 1, 1-8.	1.7	0
12	Mapping Human Laryngeal Motor Cortex during Vocalization. Cerebral Cortex, 2020, 30, 6254-6269.	1.6	32
13	The perils of learning to move while speaking: One-sided interference between speech and visuomotor adaptation. Psychonomic Bulletin and Review, 2020, 27, 544-552.	1.4	14
14	Cross-species cortical alignment identifies different types of anatomical reorganization in the primate temporal lobe. ELife, 2020, 9, .	2.8	71
15	Structural and functional brain reorganisation due to blindness: The special case of bilateral congenital anophthalmia. Neuroscience and Biobehavioral Reviews, 2019, 107, 765-774.	2.9	19
16	A challenge for the procedural deficit hypothesis: How should we measure sequential learning in childhood?. Developmental Science, 2019, 22, e12815.	1.3	5
17	Neocerebellar Crus I Abnormalities Associated with a Speech and Language Disorder Due to a Mutation in FOXP2. Cerebellum, 2019, 18, 309-319.	1.4	12
18	Cortico-cerebellar Networks Drive Sensorimotor Learning in Speech. Journal of Cognitive Neuroscience, 2018, 30, 540-551.	1.1	25

#	Article	IF	Citations
19	Separation of trait and state in stuttering. Human Brain Mapping, 2018, 39, 3109-3126.	1.9	19
20	Transcranial direct current stimulation over left inferior frontal cortex improves speech fluency in adults who stutter. Brain, 2018, 141, 1161-1171.	3.7	50
21	Planum temporale asymmetry in people who stutter. Journal of Fluency Disorders, 2018, 55, 94-105.	0.7	11
22	The influence of evaluative right/wrong feedback on phonological and semantic processes in word learning. Royal Society Open Science, 2018, 5, 171496.	1.1	7
23	Robust Sensorimotor Learning during Variable Sentence-Level Speech. Current Biology, 2018, 28, 3106-3113.e2.	1.8	27
24	Facilitation of motor excitability during listening to spoken sentences is not modulated by noise or semantic coherence. Cortex, 2018, 103, 44-54.	1.1	9
25	Brenda Milner on her 100th birthday: a lifetime of â€˜good ideasâ€™. Brain, 2018, 141, 2527-2532.	3.7	1
26	The neural basis of language learning: Brief introduction to the special issue. Neuropsychologia, 2017, 98, 1-3.	0.7	2
27	Investigating the feasibility of using transcranial direct current stimulation to enhance fluency in people who stutter. Brain and Language, 2017, 164, 68-76.	0.8	22
28	The role of the left inferior parietal lobule in second language learning: An intensive language training fMRI study. Neuropsychologia, 2017, 98, 169-176.	0.7	61
29	The effect of recall, reproduction, and restudy on word learning: a pre-registered study. BMC Psychology, 2017, 5, 28.	0.9	11
30	The Neurobiology of Developmental Stuttering. , 2016, , 995-1004.		3
31	Patterns of Individual Variation in Visual Pathway Structure and Function in the Sighted and Blind. PLoS ONE, 2016, 11, e0164677.	1.1	38
32	Cognitive Neuroscience: The Neural Basis of Motor Learning by Observing. Current Biology, 2016, 26, R288-R290.	1.8	10
33	Neurobiological Basis of Language Learning Difficulties. Trends in Cognitive Sciences, 2016, 20, 701-714.	4.0	164
34	Neural basis of understanding communicative actions: Changes associated with knowing the actorâ€™s intention and the meanings of the actions. Neuropsychologia, 2016, 81, 230-237.	0.7	12
35	The Anatomy of the Basal Ganglia. , 2016, , 85-94.		5
36	Cerebral lateralisation of first and second languages in bilinguals assessed using functional transcranial Doppler ultrasound. Wellcome Open Research, 2016, 1, 15.	0.9	2

#	Article	IF	Citations
37	The neurological underpinnings of cluttering: Some initial findings. Journal of Fluency Disorders, 2015, 43, 1-16.	0.7	18
38	Neural activation in speech production and reading aloud in native and non-native languages. NeuroImage, 2015, 112, 208-217.	2.1	58
39	Subcortical functional reorganization due to early blindness. Journal of Neurophysiology, 2015, 113, 2889-2899.	0.9	29
40	Neurochemical changes in the pericalcarine cortex in congenital blindness attributable to bilateral anophthalmia. Journal of Neurophysiology, 2015, 114, 1725-1733.	0.9	24
41	Resting-State Retinotopic Organization in the Absence of Retinal Input and Visual Experience. Journal of Neuroscience, 2015, 35, 12366-12382.	1.7	55
42	Discrimination of speech and non-speech sounds following theta-burst stimulation of the motor cortex. Frontiers in Psychology, 2014, 5, 754.	1.1	26
43	Neuroplasticity, neuroimaging, and bilingualism: Commentary on Baum and Titone. Applied Psycholinguistics, 2014, 35, 917-920.	0.8	0
44	Age of language learning shapes brain structure: A cortical thickness study of bilingual and monolingual individuals. Brain and Language, 2014, 131, 20-24.	0.8	194
45	Attention Fine-Tunes Auditoryâ€"Motor Processing of Speech Sounds. Journal of Neuroscience, 2014, 34, 4064-4069.	1.7	51
46	Disrupted white matter in language and motor tracts in developmental stuttering. Brain and Language, 2014, 131, 25-35.	0.8	92
47	Stimulating the Lip Motor Cortex with Transcranial Magnetic Stimulation. Journal of Visualized Experiments, 2014, , .	0.2	19
48	Motor excitability during visual perception of known and unknown spoken languages. Brain and Language, 2013, 126, 1-7.	0.8	29
49	Auditory-Motor Processing of Speech Sounds. Cerebral Cortex, 2013, 23, 1190-1197.	1.6	91
50	Early Auditory Processing in Area V5/MT+ of the Congenitally Blind Brain. Journal of Neuroscience, 2013, 33, 18242-18246.	1.7	67
51	Using TMS to study the role of the articulatory motor system in speech perception. Aphasiology, 2012, 26, 1103-1118.	1.4	47
52	A Role for the Subthalamic Nucleus in Response Inhibition during Conflict. Journal of Neuroscience, 2012, 32, 13396-13401.	1.7	137
53	The fate of the oculomotor system in clinical bilateral anophthalmia. Visual Neuroscience, 2012, 29, 193-202.	0.5	5
54	Language networks in anophthalmia: maintained hierarchy of processing in â€˜visualâ€™ cortex. Brain, 2012, 135, 1566-1577.	3.7	89

#	Article	IF	Citations
55	Learning to play a melody: An fMRI study examining the formation of auditory-motor associations. NeuroImage, 2012, 59, 1200-1208.	2.1	91
56	Anatomical correlates of dynamic auditory processing: Relationship to literacy during early adolescence. NeuroImage, 2012, 60, 1287-1295.	2.1	16
57	Co-localisation of abnormal brain structure and function in specific language impairment. Brain and Language, 2012, 120, 310-320.	0.8	106
58	Investigating language organization with TMS. , 2012, , .		2
59	Chapter 4: Brain Structure and Function in Developmental Stuttering and Bilingualism. , 2011, , 63-90.		0
60	Developmental disorders of speech and language. Progress in Brain Research, 2011, 189, 225-238.	0.9	41
61	Lateralization of motor excitability during observation of bimanual signs. Neuropsychologia, 2010, 48, 3173-3177.	0.7	13
62	Genetic Susceptibility to Persistent Stuttering. New England Journal of Medicine, 2010, 362, 2226-2227.	13.9	10
63	Longitudinal changes in grey and white matter during adolescence. NeuroImage, 2010, 49, 94-103.	2.1	352
64	Motor Representations of Articulators Contribute to Categorical Perception of Speech Sounds. Journal of Neuroscience, 2009, 29, 9819-9825.	1.7	211
65	Imaging studies in congenital anophthalmia reveal preservation of brain architecture in â€˜visualâ€™ cortex. Brain, 2009, 132, 3467-3480.	3.7	126
66	Supramarginal gyrus involvement in visual word recognition. Cortex, 2009, 45, 1091-1096.	1.1	247
67	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, 13040-13045.	3.3	4,636
68	Integration of Measures of Functional and Structural MRI. Neuromethods, 2009, , 785-809.	0.2	0
69	Neural activity of the anterior insula in emotional processing depends on the individuals' emotional susceptibility. Human Brain Mapping, 2008, 29, 363-373.	1.9	32
70	Changes in neural activity associated with learning to articulate novel auditory pseudowords by covert repetition. Human Brain Mapping, 2008, 29, 1231-1242.	1.9	108
71	Changes in white matter microstructure during adolescence. NeuroImage, 2008, 39, 52-61.	2.1	262
72	Transcranial Magnetic Stimulation (TMS) as a Tool for Studying Language. , 2008, , 115-124.		3

#	Article	IF	Citations
73	Structural and functional abnormalities of the motor system in developmental stuttering. Brain, 2007, 131, 50-59.	3.7	320
74	Stimulating language: insights from TMS. Brain, 2007, 130, 610-622.	3.7	211
75	Anatomically related grey and white matter abnormalities in adolescent-onset schizophrenia. Brain, 2007, 130, 2375-2386.	3.7	718
76	Genes, maternal smoking, and the offspring brain and body during adolescence: Design of the Saguenay Youth Study. Human Brain Mapping, 2007, 28, 502-518.	1.9	113
77	Asymmetries of the planum temporale and Heschl's gyrus: relationship to language lateralization. Brain, 2006, 129, 1164-1176.	3.7	215
78	Tract-based spatial statistics: Voxelwise analysis of multi-subject diffusion data. NeuroImage, 2006, 31, 1487-1505.	2.1	5,755
79	Word and nonword repetition in bilingual subjects: A PET study. Human Brain Mapping, 2006, 27, 153-161.	1.9	69
80	Hemispheric Specialization for Processing Auditory Nonspeech Stimuli. Cerebral Cortex, 2006, 16, 1266-1275.	1.6	164
81	Structural and functional brain abnormalities associated with developmental stuttering. NeuroImage, 2006, 31, 244MPM.	2.1	0
82	Cognitive functioning in bilateral perisylvian polymicrogyria (BPP): clinical and radiological correlations. Epilepsy and Behavior, 2005, 6, 393-404.	0.9	18
83	Brain activity during altered auditory feedback: an FMRI study in healthy adolescents. NeuroImage, 2005, 26, 304.	2.1	15
84	Modulation of Motor Excitability during Speech Perception: The Role of Broca's Area. Journal of Cognitive Neuroscience, 2004, 16, 978-987.	1.1	249
85	Seeing and hearing speech excites the motor system involved in speech production. Neuropsychologia, 2003, 41, 989-994.	0.7	550
86	Bilateral brain abnormalities associated with dominantly inherited verbal and orofacial dyspraxia. Human Brain Mapping, 2003, 18, 194-200.	1.9	182
87	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, 13060-13063.	3.3	106
88	Developmental amnesia: Effect of age at injury. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10055-10060.	3.3	118
89	Behavioural analysis of an inherited speech and language disorder: comparison with acquired aphasia. Brain, 2002, 125, 452-464.	3.7	389
90	MRI analysis of an inherited speech and language disorder: structural brain abnormalities. Brain, 2002, 125, 465-478.	3.7	368

#	Article	IF	Citations
91	Functional imaging study of word and nonword repetition in bilingual subjects. NeuroImage, 2001, 13, 552.	2.1	2
92	Structural Asymmetries in the Human Brain: a Voxel-based Statistical Analysis of 142 MRI Scans. Cerebral Cortex, 2001, 11, 868-877.	1.6	418
93	Developmental amnesia associated with early hypoxic-ischaemic injury. Brain, 2000, 123, 499-507.	3.7	307
94	Oral Dyspraxia in Inherited Speech and Language Impairment and Acquired Dysphasia. Brain and Language, 2000, 75, 17-33.	0.8	140
95	Pitch and Timing Abilities in Inherited Speech and Language Impairment. Brain and Language, 2000, 75, 34-46.	0.8	130
96	Functional and Structural Brain Abnormalities Associated with a Genetic Disorder of Speech and Language. American Journal of Human Genetics, 1999, 65, 1215-1221.	2.6	82
97	Localisation of a gene implicated in a severe speech and language disorder. Nature Genetics, 1998, 18, 168-170.	9.4	447
98	Neural basis of an inherited speech and language disorder. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12695-12700.	3.3	418
99	Cognitive deficits associated with frontalâ€lobe infarction in children with sickle cell disease. Developmental Medicine and Child Neurology, 1998, 40, 536-543.	1.1	88
100	Differential Effects of Early Hippocampal Pathology on Episodic and Semantic Memory. Science, 1997, 277, 376-380.	6.0	1,600
101	Management of childhood craniopharyngioma: can the morbidity of radical surgery be predicted?. Journal of Neurosurgery, 1996, 85, 73-81.	0.9	291
102	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, 930-933.	3.3	424
103	Verbal memory impairment after right temporal lobe surgery. Neurology, 1995, 45, 797-802.	1.5	108