James R Booth

List of Publications by Year in descending order

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139 papers	7,466 citations	50276 46 h-index	62596 80 g-index
141 all docs	141 docs citations	141 times ranked	5388 citing authors

#	Article	IF	Citations
1	Left and Right Arcuate Fasciculi Are Uniquely Related to Word Reading Skills in Chinese-English Bilingual Children. Neurobiology of Language (Cambridge, Mass), 2022, 3, 109-131.	3.1	4
2	A longitudinal neuroimaging dataset on language processing in children ages 5, 7, and 9 years old. Scientific Data, 2022, 9, 4.	5.3	8
3	Temporal cortex activation explains childrenâ€™s improvement in math attitudes. Child Development, 2022, 93, 1012-1029.	3.0	4
4	Developmental differences of large-scale functional brain networks for spoken word processing. Brain and Language, 2022, 231, 105149.	1.6	0
5	Reading Disability in Chinese Children Learning English as an L2. Child Development, 2021, 92, e126-e142.	3.0	6
6	Developmental differences in neural connectivity for semantic processing in youths with autism. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 1090-1099.	5.2	8
7	Letter fluency in 7-8-year-old children is related to the anterior, but not posterior, ventral occipito-temporal cortex during an auditory phonological task. Developmental Cognitive Neuroscience, 2021, 47, 100898.	4.0	7
8	Neurocognitive basis of deductive reasoning in children varies with parental education. Human Brain Mapping, 2021, 42, 3396-3410.	3.6	6
9	Neurocognitive mechanisms explaining the role of math attitudes in predicting childrenâ€™s improvement in multiplication skill. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 917-935.	2.0	7
10	Effect of Handwriting on Visual Word Recognition in Chinese Bilingual Children and Adults. Frontiers in Psychology, 2021, 12, 628160.	2.1	7
11	Both frontal and temporal cortex exhibit phonological and semantic specialization during spoken language processing in 7â€•to 8â€•yearâ€•old children. Human Brain Mapping, 2021, 42, 3534-3546.	3.6	9
12	Gray matter volume in left intraparietal sulcus predicts longitudinal gains in subtraction skill in elementary school. NeuroImage, 2021, 235, 118021.	4.2	4
13	Reciprocal relations between reading skill and the neural basis of phonological awareness in 7- to 9-year-old children. NeuroImage, 2021, 236, 118083.	4.2	12
14	A neuroimaging dataset on response inhibition and selective attention in adults and children with and without ADHD. Data in Brief, 2021, 37, 107158.	1.0	0
15	Neuro-cognitive development of semantic and syntactic bootstrapping in 6- to 7.5-year-old children. NeuroImage, 2021, 241, 118416.	4.2	2
16	Early Phonological Neural Specialization Predicts Later Growth in Word Reading Skills. Frontiers in Human Neuroscience, 2021, 15, 674119.	2.0	4
17	Semantic and syntactic specialization during auditory sentence processing in 7-8-year-old children. Cortex, 2021, 145, 169-186.	2.4	5
18	Attitudes Toward Math Are Differentially Related to the Neural Basis of Multiplication Depending on Math Skill. Learning Disability Quarterly, 2020, 43, 179-191.	1.3	7

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19	Syntactic and Semantic Specialization and Integration in 5- to 6-Year-Old Children during Auditory Sentence Processing. Journal of Cognitive Neuroscience, 2020, 32, 36-49.	2.3	8
20	A neuroimaging dataset on orthographic, phonological and semantic word processing in school-aged children. Data in Brief, 2020, 28, 105091.	1.0	2
21	Neural representations of phonology in temporal cortex scaffold longitudinal reading gains in 5- to 7-year-old children. NeuroImage, 2020, 207, 116359.	4.2	24
22	Functional parcellation of the right cerebellar lobule VI in children with normal or impaired reading. Neuropsychologia, 2020, 148, 107630.	1.6	7
23	A neuroimaging dataset of deductive reasoning in school-aged children. Data in Brief, 2020, 33, 106405.	1.0	2
24	A neuroimaging dataset on working memory and reward processing in children with and without ADHD. Data in Brief, 2020, 31, 105801.	1.0	4
25	Early Engagement of Parietal Cortex for Subtraction Solving Predicts Longitudinal Gains in Behavioral Fluency in Children. Frontiers in Human Neuroscience, 2020, 14, 163.	2.0	5
26	Automatic semantic influence on early visual word recognition in the ventral occipito-temporal cortex. Neuropsychologia, 2019, 133, 107188.	1.6	14
27	Brain lateralization of phonological awareness varies by maternal education. Developmental Science, 2019, 22, e12807.	2.4	26
28	A longitudinal neuroimaging dataset on multisensory lexical processing in school-aged children. Scientific Data, 2019, 6, 329.	5.3	11
29	Temporo-frontal activation during phonological processing predicts gains in arithmetic facts in young children. Developmental Cognitive Neuroscience, 2019, 40, 100735.	4.0	13
30	Children With Reading Difficulty Rely on Unimodal Neural Processing for Phonemic Awareness. Frontiers in Human Neuroscience, 2019, 13, 390.	2.0	4
31	Developmental changes of association strength and categorical relatedness on semantic processing in the brain. Brain and Language, 2019, 189, 10-19.	1.6	9
32	A longitudinal neuroimaging dataset on arithmetic processing in school children. Scientific Data, 2019, 6, 190040.	5.3	15
33	Reading skill related to left ventral occipitotemporal cortex during a phonological awareness task in 5â€“6-year old children. Developmental Cognitive Neuroscience, 2018, 30, 116-122.	4.0	25
34	Differences between child and adult largeâ€scale functional brain networks for reading tasks. Human Brain Mapping, 2018, 39, 662-679.	3.6	39
35	Dyslexia on a continuum: A complex network approach. PLoS ONE, 2018, 13, e0208923.	2.5	17
36	Longitudinal Task-Related Functional Connectivity Changes Predict Reading Development. Frontiers in Psychology, 2018, 9, 1754.	2.1	14

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37	Lack of improvement in multiplication is associated with reverting from verbal retrieval to numerical operations. NeuroImage, 2018, 183, 859-871.	4.2	13
38	Neural specialization of phonological and semantic processing in young children. Human Brain Mapping, 2018, 39, 4334-4348.	3.6	22
39	Fluency in symbolic arithmetic refines the approximate number system in parietal cortex. Human Brain Mapping, 2018, 39, 3956-3971.	3.6	30
40	Parietotemporal Stimulation Affects Acquisition of Novel Grapheme-Phoneme Mappings in Adult Readers. Frontiers in Human Neuroscience, 2018, 12, 109.	2.0	12
41	Structural correlates of literacy difficulties in the second language: Evidence from Mandarin-speaking children learning English. NeuroImage, 2018, 179, 288-297.	4.2	13
42	Longitudinal changes in reading network connectivity related to skill improvement. NeuroImage, 2017, 158, 90-98.	4.2	54
43	Dynamic spatial organization of the occipito-temporal word form area for second language processing. Neuropsychologia, 2017, 103, 20-28.	1.6	18
44	Neural correlates of the lexicality effect in children. Brain and Language, 2017, 175, 64-70.	1.6	10
45	Finger Representation and Finger-Based Strategies in the Acquisition of Number Meaning and Arithmetic. , 2016, , 109-139.		12
46	Weighing the Cost and Benefit of Transcranial Direct Current Stimulation on Different Reading Subskills. Frontiers in Neuroscience, 2016, 10, 262.	2.8	21
47	Neural Correlates of Math Gains Vary Depending on Parental Socioeconomic Status (SES). Frontiers in Psychology, 2016, 7, 892.	2.1	36
48	Temporo-parietal connectivity uniquely predicts reading change from childhood to adolescence. NeuroImage, 2016, 142, 126-134.	4.2	13
49	Reading skillâ€“fractional anisotropy relationships in visuospatial tracts diverge depending on socioeconomic status. Developmental Science, 2016, 19, 673-685.	2.4	36
50	Early-life stress exposure associated with altered prefrontal resting-state fMRI connectivity in young children. Developmental Cognitive Neuroscience, 2016, 19, 107-114.	4.0	50
51	Parental socioeconomic status and the neural basis of arithmetic: differential relations to verbal and visuoâ€spatial representations. Developmental Science, 2015, 18, 799-814.	2.4	42
52	The brain adapts to orthography with experience: evidence from English and Chinese. Developmental Science, 2015, 18, 785-798.	2.4	45
53	Distributed neural representations of logical arguments in schoolâ€age children. Human Brain Mapping, 2015, 36, 996-1009.	3.6	10
54	Skill dependent audiovisual integration in the fusiform induces repetition suppression. Brain and Language, 2015, 141, 110-123.	1.6	25

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55	The direct segment of the arcuate fasciculus is predictive of longitudinal reading change. Developmental Cognitive Neuroscience, 2015, 13, 68-74.	4.0	65
56	Perceiving fingers in single-digit arithmetic problems. Frontiers in Psychology, 2015, 6, 226.	2.1	50
57	Large grain instruction and phonological awareness skill influence rime sensitivity, processing speed, and early decoding skill in adult L2 learners. Reading and Writing, 2015, 28, 917-938.	1.7	7
58	Developmental changes in the neural influence of sublexical information on semantic processing. Neuropsychologia, 2015, 73, 25-34.	1.6	8
59	Feedback associated with expectation for larger-reward improves visuospatial working memory performances in children with ADHD. Developmental Cognitive Neuroscience, 2015, 14, 38-49.	4.0	15
60	Functional neuroimaging of visuospatial working memory tasks enables accurate detection of attention deficit and hyperactivity disorder. NeuroImage: Clinical, 2015, 9, 244-252.	2.7	20
61	Task dependent lexicality effects support interactive models of reading: A meta-analytic neuroimaging review. Neuropsychologia, 2015, 67, 148-158.	1.6	20
62	Brain activation during phonological and semantic processing of Chinese characters in deaf signers. Frontiers in Human Neuroscience, 2014, 8, 211.	2.0	10
63	The Differential Role of Verbal and Spatial Working Memory in the Neural Basis of Arithmetic. Developmental Neuropsychology, 2014, 39, 440-458.	1.4	31
64	Multimodal Lexical Processing in Auditory Cortex Is Literacy Skill Dependent. Cerebral Cortex, 2014, 24, 2464-2475.	2.9	30
65	Developmental dissociation in the neural responses to simple multiplication and subtraction problems. Developmental Science, 2014, 17, 537-552.	2.4	94
66	Individual Differences in Crossmodal Brain Activity Predict Arcuate Fasciculus Connectivity in Developing Readers. Journal of Cognitive Neuroscience, 2014, 26, 1331-1346.	2.3	33
67	Developmental differences in the influence of phonological similarity on spoken word processing in Mandarin Chinese. Brain and Language, 2014, 138, 38-50.	1.6	14
68	Children with mathematical learning disability fail in recruiting verbal and numerical brain regions when solving simple multiplication problems. Cortex, 2014, 57, 143-155.	2.4	67
69	Reading acquisition reorganizes the phonological awareness network only in alphabetic writing systems. Human Brain Mapping, 2013, 34, 3354-3368.	3.6	56
70	Age, sex, and verbal abilities affect location of linguistic connectivity in ventral visual pathway. Brain and Language, 2013, 124, 184-193.	1.6	24
71	Chinese dyslexics show neural differences in morphological processing. Developmental Cognitive Neuroscience, 2013, 6, 40-50.	4.0	48
72	High Proficiency in a Second Language is Characterized by Greater Involvement of the First Language Network: Evidence from Chinese Learners of English. Journal of Cognitive Neuroscience, 2013, 25, 1649-1663.	2.3	70

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73	Fractionating the Neural Substrates of Transitive Reasoning: Task-Dependent Contributions of Spatial and Verbal Representations. Cerebral Cortex, 2013, 23, 499-507.	2.9	25
74	Altered Intra- and Inter-Regional Synchronization of Superior Temporal Cortex in Deaf People. Cerebral Cortex, 2013, 23, 1988-1996.	2.9	34
75	Changes in Task-Related Functional Connectivity across Multiple Spatial Scales Are Related to Reading Performance. PLoS ONE, 2013, 8, e59204.	2.5	14
76	The neural bases of the multiplication problem-size effect across countries. Frontiers in Human Neuroscience, 2013, 7, 189.	2.0	24
77	Cross-modal integration in the brain is related to phonological awareness only in typical readers, not in those with reading difficulty. Frontiers in Human Neuroscience, 2013, 7, 388.	2.0	35
78	Similar alterations in brain function for phonological and semantic processing to visual characters in Chinese dyslexia. Neuropsychologia, 2012, 50, 2224-2232.	1.6	48
79	Sensitive period for whiteâ€matter connectivity of superior temporal cortex in deaf people. Human Brain Mapping, 2012, 33, 349-359.	3.6	46
80	The Brain Network for Deductive Reasoning: A Quantitative Meta-analysis of 28 Neuroimaging Studies. Journal of Cognitive Neuroscience, 2011, 23, 3483-3497.	2.3	149
81	Development of brain networks involved in spoken word processing of Mandarin Chinese. NeuroImage, 2011, 57, 750-759.	4.2	41
82	Distinct representations of subtraction and multiplication in the neural systems for numerosity and language. Human Brain Mapping, 2011, 32, 1932-1947.	3.6	131
83	Developmental changes in the inferior frontal cortex for selecting semantic representations. Developmental Cognitive Neuroscience, 2011, 1, 338-350.	4.0	17
84	The Involvement of Occipital and Inferior Frontal Cortex in the Phonological Learning of Chinese Characters. Journal of Cognitive Neuroscience, 2011, 23, 1998-2012.	2.3	17
85	Prediction of Reading Skill Several Years Later Depends on Age and Brain Region: Implications for Developmental Models of Reading. Journal of Neuroscience, 2011, 31, 9641-9648.	3.6	44
86	Neural correlates of priming effects in children during spoken word processing with orthographic demands. Brain and Language, 2010, 114, 80-89.	1.6	10
87	Children with reading difficulties show differences in brain regions associated with orthographic processing during spoken language processing. Brain Research, 2010, 1356, 73-84.	2.2	79
88	Cultural Constraints on Brain Development: Evidence from a Developmental Study of Visual Word Processing in Mandarin Chinese. Cerebral Cortex, 2010, 20, 1223-1233.	2.9	77
89	Bidirectional Connectivity between Hemispheres Occurs at Multiple Levels in Language Processing But Depends on Sex. Journal of Neuroscience, 2010, 30, 11576-11585.	3.6	64
90	Testing for a cultural influence on reading for meaning in the developing brain: the neural basis of semantic processing in Chinese children. Frontiers in Human Neuroscience, 2009, 3, 27.	2.0	17

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91	Developmental Increase in Topâ€“Down and Bottomâ€“Up Processing in a Phonological Task: An Effective Connectivity, fMRI Study. Journal of Cognitive Neuroscience, 2009, 21, 1135-1145.	2.3	67
92	Developmental differences of neurocognitive networks for phonological and semantic processing in Chinese word reading. Human Brain Mapping, 2009, 30, 797-809.	3.6	67
93	The role of inferior frontal gyrus and inferior parietal lobule in semantic processing of Chinese characters. Experimental Brain Research, 2009, 198, 465-475.	1.5	62
94	Modality- and Task-specific Brain Regions Involved in Chinese Lexical Processing. Journal of Cognitive Neuroscience, 2009, 21, 1473-1487.	2.3	45
95	Music Rehearsal Increases the Perceptual Span for Notation. Music Perception, 2009, 26, 303-320.	1.1	15
96	Neural correlates of orthographic and phonological consistency effects in children. Human Brain Mapping, 2008, 29, 1416-1429.	3.6	73
97	Effective brain connectivity in children with reading difficulties during phonological processing. Brain and Language, 2008, 107, 91-101.	1.6	142
98	Developmental increases in effective connectivity to brain regions involved in phonological processing during tasks with orthographic demands. Brain Research, 2008, 1189, 78-89.	2.2	55
99	Item-specific and generalization effects on brain activation when learning Chinese characters. Neuropsychologia, 2008, 46, 1864-1876.	1.6	40
100	Sex differences in neural processing of language among children. Neuropsychologia, 2008, 46, 1349-1362.	1.6	188
101	Differential effects of orthographic and phonological consistency in cortex for children with and without reading impairment. Neuropsychologia, 2008, 46, 3210-3224.	1.6	48
102	Developmental changes in brain regions involved in phonological and orthographic processing during spoken language processing. NeuroImage, 2008, 41, 623-635.	4.2	80
103	Developmental changes in activation and effective connectivity in phonological processing. NeuroImage, 2007, 38, 564-575.	4.2	99
104	The interaction between orthographic and phonological information in children: An fMRI study. Human Brain Mapping, 2007, 28, 880-891.	3.6	91
105	Neural correlates of mapping from phonology to orthography in children performing an auditory spelling task. Developmental Science, 2007, 10, 441-451.	2.4	66
106	The role of the basal ganglia and cerebellum in language processing. Brain Research, 2007, 1133, 136-144.	2.2	303
107	Children with reading disorder show modality independent brain abnormalities during semantic tasks. Neuropsychologia, 2007, 45, 775-783.	1.6	67
108	Developmental changes in the neural correlates of semantic processing. NeuroImage, 2006, 29, 1141-1149.	4.2	94

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109	Weaker topâ€“down modulation from the left inferior frontal gyrus in children. NeuroImage, 2006, 33, 991-998.	4.2	89
110	More modeling but still no stages: Reply to Borowsky and Besner.. Psychological Review, 2006, 113, 196-200.	3.8	36
111	Deficient orthographic and phonological representations in children with dyslexia revealed by brain activation patterns. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2006, 47, 1041-1050.	5.2	173
112	Development of Lexical and Sentence Level Context Effects for Dominant and Subordinate Word Meanings of Homonyms. Journal of Psycholinguistic Research, 2006, 35, 531-554.	1.3	17
113	Differential prefrontalâ€“temporal neural correlates of semantic processing in children. Brain and Language, 2006, 99, 226-235.	1.6	61
114	Specialization of phonological and semantic processing in Chinese word reading. Brain Research, 2006, 1071, 197-207.	2.2	140
115	Developmental and skill effects on the neural correlates of semantic processing to visually presented words. Human Brain Mapping, 2006, 27, 915-924.	3.6	107
116	Larger deficits in brain networks for response inhibition than for visual selective attention in attention deficit hyperactivity disorder (ADHD). Journal of Child Psychology and Psychiatry and Allied Disciplines, 2005, 46, 94-111.	5.2	280
117	Shifts of Effective Connectivity within a Language Network during Rhyming and Spelling. Journal of Neuroscience, 2005, 25, 5397-5403.	3.6	158
118	Brain-behavior correlation in children depends on the neurocognitive network. Human Brain Mapping, 2004, 23, 99-108.	3.6	23
119	Development of Brain Mechanisms for Processing Orthographic and Phonologic Representations. Journal of Cognitive Neuroscience, 2004, 16, 1234-1249.	2.3	215
120	Relation between brain activation and lexical performance. Human Brain Mapping, 2003, 19, 155-169.	3.6	134
121	Neural development of selective attention and response inhibition. NeuroImage, 2003, 20, 737-751.	4.2	300
122	Modality-specific and -independent developmental differences in the neural substrate for lexical processing. Journal of Neurolinguistics, 2003, 16, 383-405.	1.1	65
123	Onset and Rime Structure Influences Naming but Not Early Word Identification in Children and Adults. Scientific Studies of Reading, 2002, 6, 1-23.	2.0	14
124	Functional Anatomy of Intra- and Cross-Modal Lexical Tasks. NeuroImage, 2002, 16, 7-22.	4.2	294
125	Modality independence of word comprehension. Human Brain Mapping, 2002, 16, 251-261.	3.6	218
126	The Development of Specialized Brain Systems in Reading and Oral-Language. Child Neuropsychology, 2001, 7, 119-141.	1.3	108

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127	Development and Disorders of Neurocognitive Systems for Oral Language and Reading. Learning Disability Quarterly, 2001, 24, 205-215.	1.3	20
128	Developmental Differences in Visual and Auditory Processing of Complex Sentences. Child Development, 2000, 71, 981-1003.	3.0	90
129	The Association of Rapid Temporal Perception With Orthographic and Phonological Processing in Children and Adults With Reading Impairment. Scientific Studies of Reading, 2000, 4, 101-132.	2.0	66
130	Individual and developmental differences in semantic priming: Empirical and computational support for a single-mechanism account of lexical processing.. Psychological Review, 2000, 107, 786-823.	3.8	311
131	Developmental and Lesion Effects in Brain Activation During Sentence Comprehension and Mental Rotation. Developmental Neuropsychology, 2000, 18, 139-169.	1.4	105
132	Functional organization of activation patterns in children: Whole brain fMRI imaging during three different cognitive tasks. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1999, 23, 669-682.	4.8	110
133	Quick, automatic, and general activation of orthographic and phonological representations in young readers.. Developmental Psychology, 1999, 35, 3-19.	1.6	111
134	Fillers and spaces in text: The importance of word recognition during reading. Vision Research, 1997, 37, 2899-2914.	1.4	45
135	Acquisition of the mental state verb know by 2- to 5-year-old children. Journal of Psycholinguistic Research, 1997, 26, 581-603.	1.3	30
136	Much ado about nothing: the place of space in text. Vision Research, 1996, 36, 465-470.	1.4	22
137	Development of the understanding of the polysemous meanings of the mental-state verb know. Cognitive Development, 1995, 10, 529-549.	1.3	30
138	Reading unspaced text: Implications for theories of reading eye movements. Vision Research, 1994, 34, 1735-1766.	1.4	127
139	Role of the cognitive internal state lexicon in reading comprehension.. Journal of Educational Psychology, 1994, 86, 413-422.	2.9	28