Tali Bitan

List of Publications by Year
in descending order

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49 papers	2,354 citations	279798 23 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	2343 citing authors

#	Article	IF	Citations
1	The role of the basal ganglia and cerebellum in language processing. Brain Research, 2007, 1133, 136-144.	2.2	303
2	Sex differences in neural processing of language among children. Neuropsychologia, 2008, 46, 1349-1362.	1.6	188
3	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
4	Shifts of Effective Connectivity within a Language Network during Rhyming and Spelling. Journal of Neuroscience, 2005, 25, 5397-5403.	3.6	158
5	Effective brain connectivity in children with reading difficulties during phonological processing. Brain and Language, 2008, 107, 91-101.	1.6	142
6	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
7	Developmental changes in activation and effective connectivity in phonological processing. NeuroImage, 2007, 38, 564-575.	4.2	99
8	Developmental changes in the neural correlates of semantic processing. NeuroImage, 2006, 29, 1141-1149.	4.2	94
9	The interaction between orthographic and phonological information in children: An fMRI study. Human Brain Mapping, 2007, 28, 880-891.	3.6	91
10	Weaker topâ€“down modulation from the left inferior frontal gyrus in children. NeuroImage, 2006, 33, 991-998.	4.2	89
11	Developmental changes in brain regions involved in phonological and orthographic processing during spoken language processing. NeuroImage, 2008, 41, 623-635.	4.2	80
12	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
13	Children with reading disorder show modality independent brain abnormalities during semantic tasks. Neuropsychologia, 2007, 45, 775-783.	1.6	67
14	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
15	Neural correlates of mapping from phonology to orthography in children performing an auditory spelling task. Developmental Science, 2007, 10, 441-451.	2.4	66
16	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
17	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
18	Alphabetical knowledge from whole words training: effects of explicit instruction and implicit experience on learning script segmentation. Cognitive Brain Research, 2003, 16, 323-337.	3.0	42

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19	Effects of alphabeticality, practice and type of instruction on reading an artificial script: An fMRI study. Cognitive Brain Research, 2005, 25, 90-106.	3.0	40
20	The neural bases of the learning and generalization of morphological inflection. Neuropsychologia, 2017, 98, 139-155.	1.6	35
21	Auditory Perceptual Learning in Adults with and without Age-Related Hearing Loss. Frontiers in Psychology, 2015, 6, 2066.	2.1	32
22	An fMRI study of the differential effects of word presentation rates (reading acceleration) on dyslexic readers' brain activity patterns. Journal of Neurolinguistics, 2005, 18, 197-219.	1.1	30
23	Children with Reading Disability Show Brain Differences in Effective Connectivity for Visual, but Not Auditory Word Comprehension. PLoS ONE, 2010, 5, e13492.	2.5	24
24	Procedural and declarative knowledge of word recognition and letter decoding in reading an artificial script. Cognitive Brain Research, 2004, 19, 229-243.	3.0	21
25	Interhemispheric interactions during sentence comprehension in patients with aphasia. Cortex, 2018, 109, 74-91.	2.4	20
26	Therapy-Induced Neuroplasticity in Chronic Aphasia After Phonological Component Analysis: A Matter of Intensity. Frontiers in Neurology, 2018, 9, 225.	2.4	20
27	Many ways to read your vowelsâ€"Neural processing of diacritics and vowel letters in Hebrew. NeuroImage, 2015, 121, 10-19.	4.2	19
28	The role of executive control in post-stroke aphasia treatment. Neuropsychological Rehabilitation, 2020, 30, 1853-1892.	1.6	19
29	Putting Humpty together and pulling him apart: Accessing and unbinding the hippocampal item-context engram. NeuroImage, 2012, 60, 808-817.	4.2	16
30	When transparency is opaque: Effects of diacritic marks and vowel letters on dyslexic Hebrew readers. Cortex, 2016, 83, 145-159.	2.4	13
31	Offline Improvement in Learning to Read a Novel Orthography Depends on Direct Letter Instruction. Cognitive Science, 2012, 36, 896-918.	1.7	12
32	Phonological ambiguity modulates resolution of semantic ambiguity during reading: An fMRI study of Hebrew.. Neuropsychology, 2017, 31, 759-777.	1.3	12
33	Mechanisms underlying anomia treatment outcomes. Journal of Communication Disorders, 2020, 88, 106048.	1.5	11
34	Neural correlates of priming effects in children during spoken word processing with orthographic demands. Brain and Language, 2010, 114, 80-89.	1.6	10
35	Prior Knowledge Predicts Early Consolidation in Second Language Learning. Frontiers in Psychology, 2019, 10, 2312.	2.1	9
36	Orthographic Transparency Enhances Morphological Segmentation in Children Reading Hebrew Words. Frontiers in Psychology, 2018, 8, 2369.	2.1	8

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37	Morphological decomposition compensates for imperfections in phonological decoding. Neural evidence from typical and dyslexic readers of an opaque orthography. Cortex, 2020, 130, 172-191.	2.4	7
38	The Effect of Stimulus Variability on Learning and Generalization of Reading in a Novel Script. Journal of Speech, Language, and Hearing Research, 2017, 60, 2840-2851.	1.6	6
39	Changes in Resting-State Connectivity following Melody-Based Therapy in a Patient with Aphasia. Neural Plasticity, 2018, 2018, 1-13.	2.2	6
40	The role of distributional factors in learning and generalising affixal plural inflection: An artificial language study. Language, Cognition and Neuroscience, 2018, 33, 1184-1204.	1.2	4
41	Neural Processing of Morphology During Reading in Children. Neuroscience, 2022, 485, 37-52.	2.3	4
42	Recognizing deep grammatical information during reading from event related fMRI. , 2014, , .		3
43	Classification from generation: Recognizing deep grammatical information during reading from rapid event-related fMRI. , 2016, , .		2
44	A neuroimaging dataset on orthographic, phonological and semantic word processing in school-aged children. Data in Brief, 2020, 28, 105091.	1.0	2
45	Effects of Sleep on Language and Motor Consolidation: Evidence of Domain General and Specific Mechanisms. Neurobiology of Language (Cambridge, Mass), 2022, 3, 180-213.	3.1	2
46	Simultaneous Normalization and Compensatory Changes in Right Hemisphere Connectivity during Aphasia Therapy. Brain Sciences, 2021, 11, 1330.	2.3	1
47	Inhibitory or excitatory connections between hemispheres? Evidence from sentence comprehension in patients with aphasia. Frontiers in Human Neuroscience, 0, 11, .	2.0	0
48	Executive control and its relationship to aphasia therapy outcomes. Frontiers in Human Neuroscience, 0, 11, .	2.0	0
49	Patterns of post-stroke aphasia recovery: treatment, maintenance and generalization. Frontiers in Human Neuroscience, 0, 12, .	2.0	0