

Ioulia Kovelman

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,977
citations

394286

19
h-index

265120

42
g-index

63
all docs

63
docs citations

63
times ranked

2296
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the validity of volume-based and surface-based brain image registration for developmental cognitive neuroscience studies in children 4 to 11years of age. <i>NeuroImage</i> , 2010, 53, 85-93.	2.1	243
2	The "Perceptual Wedge Hypothesis" as the basis for bilingual babies'™ phonetic processing advantage: New insights from fNIRS brain imaging. <i>Brain and Language</i> , 2012, 121, 130-143.	0.8	222
3	Bilingual and Monolingual Brains Compared: A Functional Magnetic Resonance Imaging Investigation of Syntactic Processing and a Possible "Neural Signature" of Bilingualism. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 153-169.	1.1	218
4	Age of first bilingual language exposure as a new window into bilingual reading development. <i>Bilingualism</i> , 2008, 11, 203-223.	1.0	165
5	Brain Basis of Phonological Awareness for Spoken Language in Children and Its Disruption in Dyslexia. <i>Cerebral Cortex</i> , 2012, 22, 754-764.	1.6	131
6	Shining new light on the brain's "bilingual signature": A functional Near Infrared Spectroscopy investigation of semantic processing. <i>NeuroImage</i> , 2008, 39, 1457-1471.	2.1	81
7	Bilingualism alters children's frontal lobe functioning for attentional control. <i>Developmental Science</i> , 2017, 20, e12377.	1.3	58
8	Dual language use in sign-speech bimodal bilinguals: fNIRS brain-imaging evidence. <i>Brain and Language</i> , 2009, 109, 112-123.	0.8	55
9	Photogrammetry-based stereoscopic optode registration method for functional near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, .	1.4	50
10	Should Bilingual Children Learn Reading in Two Languages at the Same Time or in Sequence?. <i>Bilingual Research Journal</i> , 2013, 36, 35-60.	1.0	48
11	Phonological Working Memory for Words and Nonwords in Cerebral Cortex. <i>Journal of Speech, Language, and Hearing Research</i> , 2017, 60, 1959-1979.	0.7	43
12	Culturally non-preferred cognitive tasks require compensatory attention: a functional near infrared spectroscopy (fNIRS) investigation. <i>Culture and Brain</i> , 2015, 3, 53-67.	0.3	37
13	Comparison of motion correction techniques applied to functional near-infrared spectroscopy data from children. <i>Journal of Biomedical Optics</i> , 2015, 20, 126003.	1.4	30
14	Spoken language proficiency predicts print-speech convergence in beginning readers. <i>NeuroImage</i> , 2019, 201, 116021.	2.1	26
15	Are There Separate Neural Systems for Spelling? New Insights into the Role of Rules and Memory in Spelling from Functional Magnetic Resonance Imaging. <i>Mind, Brain, and Education</i> , 2007, 1, 48-59.	0.9	25
16	Human Auditory and Adjacent Nonauditory Cerebral Cortices Are Hypermetabolic in Tinnitus as Measured by Functional Near-Infrared Spectroscopy (fNIRS). <i>Neural Plasticity</i> , 2016, 2016, 1-13.	1.0	25
17	Human central auditory plasticity: A review of functional near-infrared spectroscopy (fNIRS) to measure cochlear implant performance and tinnitus perception. <i>Laryngoscope Investigative Otolaryngology</i> , 2018, 3, 463-472.	0.6	25
18	The effects of Spanish heritage language literacy on English reading for Spanish"English bilingual children in the US. <i>International Journal of Bilingual Education and Bilingualism</i> , 2019, 22, 192-206.	1.1	25

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19	Tinnitus alters resting state functional connectivity (RSFC) in human auditory and non-auditory brain regions as measured by functional near-infrared spectroscopy (fNIRS). <i>PLoS ONE</i> , 2017, 12, e0179150.	1.1	23
20	Patterns of altered neural synchrony in the default mode network in autism spectrum disorder revealed with magnetoencephalography (MEG): Relationship to clinical symptomatology. <i>Autism Research</i> , 2018, 11, 434-449.	2.1	22
21	Brain bases of morphological processing in young children. <i>Human Brain Mapping</i> , 2015, 36, 2890-2900.	1.9	21
22	Functional Near-Infrared Spectroscopy Brain Imaging Investigation of Phonological Awareness and Passage Comprehension Abilities in Adult Recipients of Cochlear Implants. <i>Journal of Speech, Language, and Hearing Research</i> , 2016, 59, 239-253.	0.7	21
23	Brain bases of morphological processing in Chinese-English bilingual children. <i>Developmental Science</i> , 2017, 20, e12449.	1.3	21
24	Simultaneous acquisition of English and Chinese impacts children's reliance on vocabulary, morphological and phonological awareness for reading in English. <i>International Journal of Bilingual Education and Bilingualism</i> , 2019, 22, 207-223.	1.1	21
25	At the rhythm of language: Brain bases of language-related frequency perception in children. <i>NeuroImage</i> , 2012, 60, 673-682.	2.1	20
26	Bilingualism yields language-specific plasticity in left hemisphere's circuitry for learning to read in young children. <i>Neuropsychologia</i> , 2017, 98, 34-45.	0.7	19
27	Bilingual exposure enhances left IFG specialization for language in children. <i>Bilingualism</i> , 2019, 22, 783-801.	1.0	19
28	Bilingual effects on lexical selection: A neurodevelopmental perspective. <i>Brain and Language</i> , 2019, 195, 104640.	0.8	18
29	What's in a word? Cross-linguistic influences on Spanish-English and Chinese-English bilingual children's word reading development. <i>Child Development</i> , 2022, 93, 84-100.	1.7	18
30	Words in the bilingual brain: an fNIRS brain imaging investigation of lexical processing in sign-speech bimodal bilinguals. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 606.	1.0	14
31	Children's belief- and desire-reasoning in the temporoparietal junction: evidence for specialization from functional near-infrared spectroscopy. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 560.	1.0	14
32	How Bilingualism Informs Theory of Mind Development. <i>Child Development Perspectives</i> , 2021, 15, 154-159.	2.1	14
33	Morphological processing in Chinese engages left temporal regions. <i>Brain and Language</i> , 2019, 199, 104696.	0.8	13
34	Brain Functional Changes before, during, and after Clinical Pain. <i>Journal of Dental Research</i> , 2018, 97, 523-529.	2.5	12
35	Multimodal imaging of temporal processing in typical and atypical language development. <i>Annals of the New York Academy of Sciences</i> , 2015, 1337, 7-15.	1.8	9
36	One glove does not fit all in bilingual reading acquisition: Using the age of first bilingual language exposure to understand optimal contexts for reading success. <i>Cogent Education</i> , 2015, 2, 1006504.	0.6	9

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37	Predictive sentence comprehension during story-listening in autism spectrum disorder. <i>Language, Cognition and Neuroscience</i> , 2019, 34, 428-439.	0.7	9
38	Cortical systems that process language, as revealed by non-native speech sound perception. <i>NeuroReport</i> , 2011, 22, 947-950.	0.6	8
39	Magnetoencephalography shows atypical sensitivity to linguistic sound sequences in autism spectrum disorder. <i>NeuroReport</i> , 2016, 27, 982-986.	0.6	8
40	The neurocognitive basis of morphological processing in typical and impaired readers. <i>Annals of Dyslexia</i> , 2022, 72, 361-383.	1.2	8
41	Decoding the role of the cerebellum in the early stages of reading acquisition. <i>Cortex</i> , 2021, 141, 262-279.	1.1	8
42	Tinnitus and auditory cortex; Using adapted functional near-infrared spectroscopy to expand brain imaging in humans. <i>Laryngoscope Investigative Otolaryngology</i> , 2021, 6, 137-144.	0.6	8
43	Contributions of bilingual home environment and language proficiency on children's Spanish-English reading outcomes. <i>Child Development</i> , 2022, 93, 881-899.	1.7	8
44	Person-specific connectivity mapping uncovers differences of bilingual language experience on brain bases of attention in children. <i>Brain and Language</i> , 2022, 227, 105084.	0.8	7
45	Tinnitus and auditory cortex: using adapted functional near-infrared spectroscopy to measure resting-state functional connectivity. <i>NeuroReport</i> , 2021, 32, 66-75.	0.6	6
46	Morphological and phonological processing in English monolingual, Chinese-English bilingual, and Spanish-English bilingual children: An fNIRS neuroimaging dataset. <i>Data in Brief</i> , 2022, 42, 108048.	0.5	6
47	More than meets the eye: The neural development of emotion face processing during infancy. , 2020, 59, 101430.		5
48	Brain bases of English morphological processing: A comparison between Chinese-English, Spanish-English bilingual, and English monolingual children. <i>Developmental Science</i> , 2023, 26, .	1.3	5
49	Cross-linguistic differences in the associations between morphological awareness and reading in Spanish and English in young simultaneous bilinguals. <i>International Journal of Bilingual Education and Bilingualism</i> , 2022, 25, 3907-3923.	1.1	5
50	In young readers, the left hemisphere supports the link between temporal processing and phonological awareness. <i>Speech, Language and Hearing</i> , 2016, 19, 17-26.	0.6	4
51	Predictive Processing during a Naturalistic Statistical Learning Task in ASD. <i>ENeuro</i> , 2020, 7, ENEURO.0069-19.2020.	0.9	3
52	Sharing as a model for understanding division. <i>NeuroReport</i> , 2018, 29, 889-893.	0.6	2
53	Tracking qualitative changes in cognition and brain development through bilingualism. <i>Journal of Neurolinguistics</i> , 2019, 49, 255-257.	0.5	2
54	Persistent Neurobehavioral Markers of Developmental Morphosyntax Errors in Adults. <i>Journal of Speech, Language, and Hearing Research</i> , 2019, 62, 4497-4508.	0.7	2

#	ARTICLE	IF	CITATIONS
55	Persistent alterations of cortical hemodynamic response in asymptomatic concussed patients. Concussion, 2021, 6, CNC84.	1.2	1
56	Brain metabolism monitoring through CCO measurements using all-fiber-integrated super-continuum source. , 2020, 11234, .		1
57	Predictive Processing during a Naturalistic Statistical Learning Task in ASD. ENeuro, 2020, 7, .	0.9	1
58	Measuring Changes In Attention Task And Hemodynamic Oxygenation In Post-Concussion Patients Using Functional Near-infrared Spectroscopy. Medicine and Science in Sports and Exercise, 2020, 52, 312-312.	0.2	0