Joseph Baker

List of Publications by Year
in descending order

28 papers	1,371 citations	516710 16 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	1670 citing authors

#	Article	IF	Citations
1	The evolution of quantitative sensitivity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200529.	4.0	14
2	Exposure to DDT and DDE and functional neuroimaging in adolescents from the CHAMACOS cohort. Environmental Research, 2022, 212, 113461.	7.5	4
3	Evaluation of smartphone interactions on driversâ€™ brain function and vehicle control in an immersive simulated environment. Scientific Reports, 2021, 11, 1998.	3.3	7
4	A Methodological Review of fNIRS in Driving Research: Relevance to the Future of Autonomous Vehicles. Frontiers in Human Neuroscience, 2021, 15, 637589.	2.0	13
5	The effects of transition to techniciană€delivered telehealth ABA treatment during the <scp>COVID</scp>â€19 crisis: A preliminary analysis. Journal of Applied Behavior Analysis, 2021, 54, 87-102.	2.7	45
6	On the relationship between mathematics and visuospatial processing in Turner syndrome. Journal of Psychiatric Research, 2020, 121, 135-142.	3.1	9
7	Capturing Human Interaction in the Virtual Age: A Perspective on the Future of fNIRS Hyperscanning. Frontiers in Human Neuroscience, 2020, 14, 588494.	2.0	18
8	Childrenâ€™s neural activity during number line estimations assessed by functional near-infrared spectroscopy (fNIRS). Brain and Cognition, 2020, 144, 105601.	1.8	2
9	Interpreting functional analysis outcomes using automated nonparametric statistical analysis. Journal of Applied Behavior Analysis, 2020, 53, 1177-1191.	2.7	12
10	Functional neuroanatomy of interoceptive processing in children and adolescents: a pilot study. Scientific Reports, 2019, 9, 16184.	3.3	10
11	Prenatal exposure to organophosphate pesticides and functional neuroimaging in adolescents living in proximity to pesticide application. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18347-18356.	7.1	61
12	Manganese exposure and working memory-related brain activity in smallholder farmworkers in Costa Rica: Results from a pilot study. Environmental Research, 2019, 173, 539-548.	7.5	19
13	Inter-brain synchrony in mother-child dyads during cooperation: An fNIRS hyperscanning study. Neuropsychologia, 2019, 124, 117-124.	1.6	108
14	Exposure to Pesticides and Health Effects on Farm Owners and Workers From Conventional and Organic Agricultural Farms in Costa Rica: Protocol for a Cross-Sectional Study. JMIR Research Protocols, 2019, 8, e10914.	1.0	35
15	fNIRS measurement of cortical activation and functional connectivity during a visuospatial working memory task. PLoS ONE, 2018, 13, e0201486.	2.5	36
16	Mind over motor mapping: Driver response to changing vehicle dynamics. Human Brain Mapping, 2018, 39, 3915-3927.	3.6	24
17	Neural, physiological, and behavioral correlates of visuomotor cognitive load. Scientific Reports, 2017, 7, 8866.	3.3	37
18	Portable Functional Neuroimaging as an Environmental Epidemiology Tool: A How-To Guide for the Use of fNIRS in Field Studies. Environmental Health Perspectives, 2017, 125, 094502.	6.0	26

#	Article	IF	Citations
19	A Proof of Concept Study of Function-Based Statistical Analysis of fNIRS Data: Syntax Comprehension in Children with Specific Language Impairment Compared to Typically-Developing Controls. Frontiers in Behavioral Neuroscience, 2016, 10, 108.	2.0	16
20	Sex differences in neural and behavioral signatures of cooperation revealed by fNIRS hyperscanning. Scientific Reports, 2016, 6, 26492.	3.3	129
21	A metaâ€analysis of math performance in Turner syndrome. Developmental Medicine and Child Neurology, 2016, 58, 123-130.	2.1	18
22	Sensitivity of fNIRS measurement to head motion: An applied use of smartphones in the lab. Journal of Neuroscience Methods, 2015, 245, 37-43.	2.5	23
23	Cortical Activations During a Computer-Based Fraction Learning Game: Preliminary Results from a Pilot Study. Technology, Knowledge and Learning, 2015, 20, 339-355.	4.9	7
24	The Influence of Multisensory Cues on Representation of Quantity in Children. Advances in Mathematical Cognition and Learning, 2015, 1, 277-301.	0.5	6
25	Multiple visual quantitative cues enhance discrimination of dynamic stimuli during infancy. Journal of Experimental Child Psychology, 2014, 122, 21-32.	1.4	9
26	The evolution of self-control. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2140-8.	7.1	602
27	A Study Comparing Virtual Manipulatives with Other Instructional Treatments in Third- and Fourth-Grade Classrooms. Journal of Education, 2013, 193, 25-39.	1.1	22
28	Multisensory information boosts numerical matching abilities in young children. Developmental Science, 2011, 14, 205-213.	2.4	41