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 self-control. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2140-8.	7.1	602
2	Sex differences in neural and behavioral signatures of cooperation revealed by fNIRS hyperscanning. Scientific Reports, 2016, 6, 26492.	3.3	129
3	Inter-brain synchrony in mother-child dyads during cooperation: An fNIRS hyperscanning study. Neuropsychologia, 2019, 124, 117-124.	1.6	108
4	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
5	The effects of transition to technicianâ€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	Multisensory information boosts numerical matching abilities in young children. Developmental Science, 2011, 14, 205-213.	2.4	41
7	Neural, physiological, and behavioral correlates of visuomotor cognitive load. Scientific Reports, 2017, 7, 8866.	3.3	37
8	fNIRS measurement of cortical activation and functional connectivity during a visuospatial working memory task. PLoS ONE, 2018, 13, e0201486.	2.5	36
9	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
10	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
11	Mind over motor mapping: Driver response to changing vehicle dynamics. Human Brain Mapping, 2018, 39, 3915-3927.	3.6	24
12	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
13	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
14	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
15	A metaâ€analysis of math performance in Turner syndrome. Developmental Medicine and Child Neurology, 2016, 58, 123-130.	2.1	18
16	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
17	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
18	The evolution of quantitative sensitivity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200529.	4.0	14

#	Article	IF	Citations
19	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
20	Interpreting functional analysis outcomes using automated nonparametric statistical analysis. Journal of Applied Behavior Analysis, 2020, 53, 1177-1191.	2.7	12
21	Functional neuroanatomy of interoceptive processing in children and adolescents: a pilot study. Scientific Reports, 2019, 9, 16184.	3.3	10
22	Multiple visual quantitative cues enhance discrimination of dynamic stimuli during infancy. Journal of Experimental Child Psychology, 2014, 122, 21-32.	1.4	9
23	On the relationship between mathematics and visuospatial processing in Turner syndrome. Journal of Psychiatric Research, 2020, 121, 135-142.	3.1	9
24	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
25	Evaluation of smartphone interactions on driversâ€™ brain function and vehicle control in an immersive simulated environment. Scientific Reports, 2021, 11, 1998.	3.3	7
26	The Influence of Multisensory Cues on Representation of Quantity in Children. Advances in Mathematical Cognition and Learning, 2015, 1, 277-301.	0.5	6
27	Exposure to DDT and DDE and functional neuroimaging in adolescents from the CHAMACOS cohort. Environmental Research, 2022, 212, 113461.	7.5	4
28	Childrenâ€™s neural activity during number line estimations assessed by functional near-infrared spectroscopy (fNIRS). Brain and Cognition, 2020, 144, 105601.	1.8	2