Lauren L Emberson

List of Publications by Year
in descending order

39 papers	937 citations	516710 16 h-index	477307 29 g-index
42 all docs	42 docs citations	42 times ranked	985 citing authors

#	Article	IF	Citations
1	Temporal Predictability Modulates Cortical Activity and Functional Connectivity in the Frontoparietal Network in 6-Month-Old Infants. Journal of Cognitive Neuroscience, 2022, , 1-10.	2.3	2
2	Cognitive development: Looking for perceptual awareness in human infants. Current Biology, 2022, 32, R322-R324.	3.9	1
3	Explainable artificial intelligence based analysis for interpreting infant fNIRS data in developmental cognitive neuroscience. Communications Biology, 2021, 4, 1077.	4.4	12
4	A Computational Role for Topâ€“Down Modulation from Frontal Cortex in Infancy. Journal of Cognitive Neuroscience, 2020, 32, 508-514.	2.3	10
5	Using pupillometry to investigate predictive processes in infancy. Infancy, 2020, 25, 758-780.	1.6	12
6	How an infant's active response to structured experience supports perceptual-cognitive development. Progress in Brain Research, 2020, 254, 167-186.	1.4	6
7	Cortical Transformation of Stimulus Space in Order to Linearize a Linearly Inseparable Task. Journal of Cognitive Neuroscience, 2020, 32, 2342-2355.	2.3	0
8	Video-based motion-resilient reconstruction of three-dimensional position for functional near-infrared spectroscopy and electroencephalography head mounted probes. Neurophotonics, 2020, 7, 1.	3.3	11
9	Memory integration into visual perception in infancy, childhood, and adulthood. , 2020, 2020, 3322-3328.		0
10	Prediction in infants and adults: A pupillometry study. Developmental Science, 2019, 22, e12780.	2.4	29
11	Infants use knowledge of emotions to augment face perception: Evidence of top-down modulation of perception early in life. Cognition, 2019, 193, 104019.	2.2	9
12	The blowfish effect: children and adults use atypical exemplars to infer more narrow categories during word learning. Journal of Child Language, 2019, 46, 938-954.	1.2	3
13	Comparing statistical learning across perceptual modalities in infancy: An investigation of underlying learning mechanism(s). Developmental Science, 2019, 22, e12847.	2.4	19
14	How does learning and memory shape perceptual development in infancy?. Psychology of Learning and Motivation - Advances in Research and Theory, 2019, 70, 129-160.	1.1	1
15	Expectation affects neural repetition suppression in infancy. Developmental Cognitive Neuroscience, 2019, 37, 100597.	4.0	15
16	Opposing Timing Constraints Severely Limit the Use of Pupillometry to Investigate Visual Statistical Learning. Frontiers in Psychology, 2019, 10, 1792.	2.1	1
17	Top-down perception at 6 months of age: Evidence from motion perception. Journal of Vision, 2019, 19, 56.	0.3	0
18	The emergence of topâ€down, sensory prediction during learning in infancy: A comparison of fullâ€term and preterm infants. Developmental Psychobiology, 2018, 60, 544-556.	1.6	8

#	Article	IF	Citations
19	Individual differences in nonverbal prediction and vocabulary size in infancy. Cognition, 2018, 176, 215-219.	2.2	25
20	Using fNIRS to examine occipital and temporal responses to stimulus repetition in young infants: Evidence of selective frontal cortex involvement. Developmental Cognitive Neuroscience, 2017, 23, 26-38.	4.0	33
21	Deficits in Top-Down Sensory Prediction in Infants At Risk due to Premature Birth. Current Biology, 2017, 27, 431-436.	3.9	39
22	The Lateral Occipital Cortex Is Selective for Object Shape, Not Texture/Color, at Six Months. Journal of Neuroscience, 2017, 37, 3698-3703.	3.6	25
23	How Visual is Visual Prediction?. Infancy, 2017, 22, 748-761.	1.6	1
24	Neural Signatures of Spatial Statistical Learning: Characterizing the Extraction of Structure from Complex Visual Scenes. Journal of Cognitive Neuroscience, 2017, 29, 1963-1976.	2.3	13
25	Tracing trajectories of audioâ€visual learning in the infant brain. Developmental Science, 2017, 20, e12480.	2.4	10
26	How Does Experience Shape Early Development? Considering the Role of Top-Down Mechanisms. Advances in Child Development and Behavior, 2017, 52, 1-41.	1.3	15
27	Decoding semantic representations from functional near-infrared spectroscopy signals. Neurophotonics, 2017, 5, 1.	3.3	11
28	Decoding the infant mind: Multivariate pattern analysis (MVPA) using fNIRS. PLoS ONE, 2017, 12, e0172500.	2.5	38
29	Gaining knowledge mediates changes in perception (without differences in attention): A case for perceptual learning. Behavioral and Brain Sciences, 2016, 39, e240.	0.7	2
30	Isolating the effects of surface vasculature in infant neuroimaging using short-distance optical channels: a combination of local and global effects. Neurophotonics, 2016, 3, 031406.	3.3	17
31	Statistical learning is constrained to less abstract patterns in complex sensory input (but not the) Tj ETQq1 1 0.784314 rgBT /Overloc	2.2	21
32	Top-down modulation in the infant brain: Learning-induced expectations rapidly affect the sensory cortex at 6 months. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9585-9590.	7.1	141
33	Hemodynamic Correlates of Cognition in Human Infants. Annual Review of Psychology, 2015, 66, 349-379.	17.7	81
34	Combining fMRI and behavioral measures to examine the process of human learning. Neurobiology of Learning and Memory, 2014, 109, 193-206.	1.9	42
35	Is statistical learning constrained by lower level perceptual organization?. Cognition, 2013, 128, 82-102.	2.2	29
36	Learning to Sample: Eye Tracking and fMRI Indices of Changes in Object Perception. Journal of Cognitive Neuroscience, 2012, 24, 2030-2042.	2.3	64

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37	Timing is everything: Changes in presentation rate have opposite effects on auditory and visual implicit statistical learning. Quarterly Journal of Experimental Psychology, 2011, 64, 1021-1040.	1.1	96
38	Overheard Cell-Phone Conversations. Psychological Science, 2010, 21, 1383-1388.	3.3	36
39	Asynchrony from synchrony: long-range gamma-band neural synchrony accompanies perception of audiovisual speech asynchrony. Experimental Brain Research, 2008, 185, 11-20.	1.5	54