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	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
2	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
3	Hemodynamic Correlates of Cognition in Human Infants. Annual Review of Psychology, 2015, 66, 349-379.	17.7	81
4	Learning to Sample: Eye Tracking and fMRI Indices of Changes in Object Perception. Journal of Cognitive Neuroscience, 2012, 24, 2030-2042.	2.3	64
5	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
6	Combining fMRI and behavioral measures to examine the process of human learning. Neurobiology of Learning and Memory, 2014, 109, 193-206.	1.9	42
7	Deficits in Top-Down Sensory Prediction in Infants At Risk due to Premature Birth. Current Biology, 2017, 27, 431-436.	3.9	39
8	Decoding the infant mind: Multivariate pattern analysis (MVPA) using fNIRS. PLoS ONE, 2017, 12, e0172500.	2.5	38
9	Overheard Cell-Phone Conversations. Psychological Science, 2010, 21, 1383-1388.	3.3	36
10	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
11	Is statistical learning constrained by lower level perceptual organization?. Cognition, 2013, 128, 82-102.	2.2	29
12	Prediction in infants and adults: A pupillometry study. Developmental Science, 2019, 22, e12780.	2.4	29
13	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
14	Individual differences in nonverbal prediction and vocabulary size in infancy. Cognition, 2018, 176, 215-219.	2.2	25
15	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
16	Comparing statistical learning across perceptual modalities in infancy: An investigation of underlying learning mechanism(s). Developmental Science, 2019, 22, e12847.	2.4	19
17	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
18	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

#	Article	IF	Citations
19	Expectation affects neural repetition suppression in infancy. Developmental Cognitive Neuroscience, 2019, 37, 100597.	4.0	15
20	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
21	Using pupillometry to investigate predictive processes in infancy. Infancy, 2020, 25, 758-780.	1.6	12
22	Explainable artificial intelligence based analysis for interpreting infant fNIRS data in developmental cognitive neuroscience. Communications Biology, 2021, 4, 1077.	4.4	12
23	Decoding semantic representations from functional near-infrared spectroscopy signals. Neurophotonics, 2017, 5, 1.	3.3	11
24	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
25	Tracing trajectories of audioâ€visual learning in the infant brain. Developmental Science, 2017, 20, e12480.	2.4	10
26	A Computational Role for Topâ€“Down Modulation from Frontal Cortex in Infancy. Journal of Cognitive Neuroscience, 2020, 32, 508-514.	2.3	10
27	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
28	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
29	How an infant's active response to structured experience supports perceptual-cognitive development. Progress in Brain Research, 2020, 254, 167-186.	1.4	6
30	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
31	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
32	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
33	How Visual is Visual Prediction?. Infancy, 2017, 22, 748-761.	1.6	1
34	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
35	Opposing Timing Constraints Severely Limit the Use of Pupillometry to Investigate Visual Statistical Learning. Frontiers in Psychology, 2019, 10, 1792.	2.1	1
36	Cognitive development: Looking for perceptual awareness in human infants. Current Biology, 2022, 32, R322-R324.	3.9	1

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37	Cortical Transformation of Stimulus Space in Order to Linearize a Linearly Inseparable Task. Journal of Cognitive Neuroscience, 2020, 32, 2342-2355.	2.3	0
38	Top-down perception at 6 months of age: Evidence from motion perception. Journal of Vision, 2019, 19, 56.	0.3	0
39	Memory integration into visual perception in infancy, childhood, and adulthood. , 2020, 2020, 3322-3328.		0