

Lucia Melloni

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

5,267
citations

186265

28
h-index

133252

59
g-index

76
all docs

76
docs citations

76
times ranked

5367
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical tracking of hierarchical linguistic structures in connected speech. <i>Nature Neuroscience</i> , 2016, 19, 158-164.	14.8	759
2	Synchronization of Neural Activity across Cortical Areas Correlates with Conscious Perception. <i>Journal of Neuroscience</i> , 2007, 27, 2858-2865.	3.6	665
3	Neural synchrony in cortical networks: history, concept and current status. <i>Frontiers in Integrative Neuroscience</i> , 2009, 3, 17.	2.1	571
4	Distilling the neural correlates of consciousness. <i>Neuroscience and Biobehavioral Reviews</i> , 2012, 36, 737-746.	6.1	422
5	Immediate neurophysiological effects of transcranial electrical stimulation. <i>Nature Communications</i> , 2018, 9, 5092.	12.8	338
6	Expectations Change the Signatures and Timing of Electrophysiological Correlates of Perceptual Awareness. <i>Journal of Neuroscience</i> , 2011, 31, 1386-1396.	3.6	214
7	Low frequency transcranial electrical stimulation does not entrain sleep rhythms measured by human intracranial recordings. <i>Nature Communications</i> , 2017, 8, 1199.	12.8	153
8	Shared computational principles for language processing in humans and deep language models. <i>Nature Neuroscience</i> , 2022, 25, 369-380.	14.8	116
9	Dissociation of broadband high-frequency activity and neuronal firing in the neocortex. <i>Science Advances</i> , 2020, 6, eabb0977.	10.3	115
10	Brain Oscillations during Spoken Sentence Processing. <i>Journal of Cognitive Neuroscience</i> , 2012, 24, 1149-1164.	2.3	104
11	Making the hard problem of consciousness easier. <i>Science</i> , 2021, 372, 911-912.	12.6	96
12	Age effects on attentional blink performance in meditation. <i>Consciousness and Cognition</i> , 2009, 18, 593-599.	1.5	95
13	Learning hierarchical sequence representations across human cortex and hippocampus. <i>Science Advances</i> , 2021, 7, .	10.3	93
14	(Micro)Saccades, corollary activity and cortical oscillations. <i>Trends in Cognitive Sciences</i> , 2009, 13, 239-245.	7.8	92
15	Expecting to See a Letter: Alpha Oscillations as Carriers of Top-Down Sensory Predictions. <i>Cerebral Cortex</i> , 2016, 26, 3146-3160.	2.9	88
16	Characterizing Neural Entrainment to Hierarchical Linguistic Units using Electroencephalography (EEG). <i>Frontiers in Human Neuroscience</i> , 2017, 11, 481.	2.0	85
17	Local Category-Specific Gamma Band Responses in the Visual Cortex Do Not Reflect Conscious Perception. <i>Journal of Neuroscience</i> , 2012, 32, 14909-14914.	3.6	72
18	Not All Predictions Are Equal: "What" and "When" Predictions Modulate Activity in Auditory Cortex through Different Mechanisms. <i>Journal of Neuroscience</i> , 2018, 38, 8680-8693.	3.6	69

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19	Meditation Increases the Depth of Information Processing and Improves the Allocation of Attention in Space. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 133.	2.0	67
20	Untangling Perceptual Memory: Hysteresis and Adaptation Map into Separate Cortical Networks. <i>Cerebral Cortex</i> , 2014, 24, 1152-1164.	2.9	67
21	Subjective and objective learning effects dissociate in space and in time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4506-4511.	7.1	61
22	Opportunities and challenges for a maturing science of consciousness. <i>Nature Human Behaviour</i> , 2019, 3, 104-107.	12.0	58
23	Closed-Loop Acoustic Stimulation Enhances Sleep Oscillations But Not Memory Performance. <i>ENeuro</i> , 2019, 6, ENEURO.0306-19.2019.	1.9	55
24	Interpretations of Frequency Domain Analyses of Neural Entrainment: Periodicity, Fundamental Frequency, and Harmonics. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 274.	2.0	52
25	Advances in human intracranial electroencephalography research, guidelines and good practices. <i>NeuroImage</i> , 2022, 260, 119438.	4.2	50
26	Electrophysiological Evidence of Different Interpretative Strategies in Irony Comprehension. <i>Journal of Psycholinguistic Research</i> , 2007, 36, 411-430.	1.3	46
27	Ongoing neural oscillations influence behavior and sensory representations by suppressing neuronal excitability. <i>NeuroImage</i> , 2022, 247, 118746.	4.2	42
28	Human intracranial recordings link suppressed transients rather than 'filling-in' to perceptual continuity across blinks. <i>ELife</i> , 2016, 5, .	6.0	40
29	How previous experience shapes perception in different sensory modalities. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 594.	2.0	39
30	Covert Speech Comprehension Predicts Recovery From Acute Unresponsive States. <i>Annals of Neurology</i> , 2021, 89, 646-656.	5.3	36
31	Response to: Yuval-Greenberg et al., "Transient Induced Gamma-Band Response in EEG as a Manifestation of Miniature Saccades." <i>Neuron</i> 58, 429-441. <i>Neuron</i> , 2009, 62, 8-10.	8.1	34
32	Sensitivity and perceptual awareness increase with practice in metacontrast masking. <i>Journal of Vision</i> , 2009, 9, 18-18.	0.3	33
33	Early effects of previous experience on conscious perception. <i>Neuroscience of Consciousness</i> , 2016, 2016, niw004.	2.6	33
34	The ConTraSt database for analysing and comparing empirical studies of consciousness theories. <i>Nature Human Behaviour</i> , 2022, 6, 593-604.	12.0	32
35	Manipulating stored phonological input during verbal working memory. <i>Nature Neuroscience</i> , 2017, 20, 279-286.	14.8	31
36	Patient-Specific Pose Estimation in Clinical Environments. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-11.	3.7	31

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37	Rule-based and word-level statistics-based processing of language: insights from neuroscience. <i>Language, Cognition and Neuroscience</i> , 2017, 32, 570-575.	1.2	30
38	Motion along the mental number line reveals shared representations for numerosity and space. <i>ELife</i> , 2016, 5, .	6.0	26
39	Long-term priors influence visual perception through recruitment of long-range feedback. <i>Nature Communications</i> , 2021, 12, 6288.	12.8	24
40	Visual Exploration and Object Recognition by Lattice Deformation. <i>PLoS ONE</i> , 2011, 6, e22831.	2.5	23
41	Mooney face stimuli for visual perception research. <i>PLoS ONE</i> , 2018, 13, e0200106.	2.5	22
42	Event boundaries shape temporal organization of memory by resetting temporal context. <i>Nature Communications</i> , 2022, 13, 622.	12.8	19
43	Medial prefrontal cortex supports perceptual memory. <i>Current Biology</i> , 2018, 28, R1094-R1095.	3.9	18
44	Hippocampal gamma predicts associative memory performance as measured by acute and chronic intracranial EEG. <i>Scientific Reports</i> , 2019, 9, 593.	3.3	18
45	Dual mechanisms of ictal high frequency oscillations in human rhythmic onset seizures. <i>Scientific Reports</i> , 2020, 10, 19166.	3.3	18
46	Increasing suppression of saccade-related transients along the human visual hierarchy. <i>ELife</i> , 2017, 6, .	6.0	16
47	Metric biases in body representation extend to objects. <i>Cognition</i> , 2021, 206, 104490.	2.2	8
48	Decoding the Content of Auditory Sensory Memory Across Species. <i>Cerebral Cortex</i> , 2021, 31, 3226-3236.	2.9	8
49	Active Inference as a Computational Framework for Consciousness. <i>Review of Philosophy and Psychology</i> , 2022, 13, 859-878.	1.8	7
50	Statistical learning in patients in the minimally conscious state. <i>Cerebral Cortex</i> , 2023, 33, 2507-2516.	2.9	7
51	Perceptual Gains and Losses in Synesthesia and Schizophrenia. <i>Schizophrenia Bulletin</i> , 2021, 47, 722-730.	4.3	6
52	Effects of hippocampal interictal discharge timing, duration, and spatial extent on list learning. <i>Epilepsy and Behavior</i> , 2021, 123, 108209.	1.7	5
53	Tracking transitional probabilities and segmenting auditory sequences are dissociable processes in adults and neonates. <i>Developmental Science</i> , 2023, 26, .	2.4	5
54	Simultaneous mnemonic and predictive representations in the auditory cortex. <i>Current Biology</i> , 2022, 32, 2548-2555.e5.	3.9	4

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55	How are theories of consciousness empirically tested? The Consciousness Theories Studies (ConTraSt) database. <i>Journal of Vision</i> , 2021, 21, 2195.	0.3	3
56	The Influence of Auditory Attention on Rhythmic Speech Tracking: Implications for Studies of Unresponsive Patients. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 702768.	2.0	2
57	A challenge for predictive coding: Representational or experiential diversity?. <i>Behavioral and Brain Sciences</i> , 2020, 43, e150.	0.7	2
58	On keeping our adversaries close, preventing collateral damage, and changing our minds. Comment on Clark et al.. <i>Journal of Applied Research in Memory and Cognition</i> , 2022, 11, 45-49.	1.1	2
59	Probing the visual system with visual hypotheses. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	1
60	On why the unconscious prerequisites and consequences of consciousness might derail us from unraveling the neural correlates of consciousness. <i>Advances in Consciousness Research</i> , 2015, , 205-225.	0.2	0
61	Dissociation and Brain Rhythms: Pitfalls and Promises. <i>Frontiers in Psychiatry</i> , 2021, 12, 790372.	2.6	0