

Lucy S Petro

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,138
citations

759190

12
h-index

888047

17
g-index

24
all docs

24
docs citations

24
times ranked

1393
citing authors

#	ARTICLE	IF	CITATIONS
1	Contextual Feedback to Superficial Layers of V1. <i>Current Biology</i> , 2015, 25, 2690-2695.	3.9	303
2	Dynamics of Visual Information Integration in the Brain for Categorizing Facial Expressions. <i>Current Biology</i> , 2007, 17, 1580-1585.	3.9	226
3	Network interactions: non-geniculate input to V1. <i>Current Opinion in Neurobiology</i> , 2013, 23, 195-201.	4.2	181
4	Contextual modulation of primary visual cortex by auditory signals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160104.	4.0	72
5	A Perspective on Cortical Layering and Layer-Spanning Neuronal Elements. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 56.	1.7	67
6	The brain's predictive prowess revealed in primary visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1124-1125.	7.1	50
7	Contributions of cortical feedback to sensory processing in primary visual cortex. <i>Frontiers in Psychology</i> , 2014, 5, 1223.	2.1	47
8	Predictive feedback to V1 dynamically updates with sensory input. <i>Scientific Reports</i> , 2017, 7, 16538.	3.3	43
9	Decoding face categories in diagnostic subregions of primary visual cortex. <i>European Journal of Neuroscience</i> , 2013, 37, 1130-1139.	2.6	35
10	Cortical feedback signals generalise across different spatial frequencies of feedforward inputs. <i>NeuroImage</i> , 2018, 180, 280-290.	4.2	31
11	The laminar integration of sensory inputs with feedback signals in human cortex. <i>Brain and Cognition</i> , 2017, 112, 54-57.	1.8	20
12	Scene Representations Conveyed by Cortical Feedback to Early Visual Cortex Can Be Described by Line Drawings. <i>Journal of Neuroscience</i> , 2019, 39, 9410-9423.	3.6	18
13	The Significance of Memory in Sensory Cortex. <i>Trends in Neurosciences</i> , 2017, 40, 255-256.	8.6	11
14	Multivoxel Pattern of Blood Oxygen Level Dependent Activity can be sensitive to stimulus specific fine scale responses. <i>Scientific Reports</i> , 2020, 10, 7565.	3.3	10
15	A self-supervised deep neural network for image completion resembles early visual cortex fMRI activity patterns for occluded scenes. <i>Journal of Vision</i> , 2021, 21, 5.	0.3	4
16	Numerosity Perception in Peripheral Vision. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 750417.	2.0	4
17	Forecasting Faces in the Cortex. <i>Trends in Cognitive Sciences</i> , 2018, 22, 95-97.	7.8	3
18	Decoding facial expressions across non-overlapping face features in early visual cortex. <i>Journal of Vision</i> , 2018, 18, 913.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Neuronal codes for predictive processing in cortical layers. Behavioral and Brain Sciences, 2020, 43, e142.	0.7	0