# Lucy S Petro

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| **19**<br>papers | **1,138**<br>citations | 759233<br>**12**<br>h-index | 888059<br>**17**<br>g-index |
| **24**<br>all docs | **24**<br>docs citations | **24**<br>times ranked | **1393**<br>citing authors |

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