

Lyes Bachatene

List of Publications by Year in descending order

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13
papers

155
citations

1478505

6
h-index

1281871

11
g-index

13
all docs

13
docs citations

13
times ranked

103
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fluoxetine and serotonin facilitate attractive-adaptation-induced orientation plasticity in adult cat visual cortex. <i>European Journal of Neuroscience</i> , 2013, 38, 2065-2077. | 2.6 | 35 |
| 2 | Network selectivity and stimulus discrimination in the primary visual cortex: cell assembly dynamics. <i>European Journal of Neuroscience</i> , 2016, 43, 204-219. | 2.6 | 25 |
| 3 | Stimulus-dependent augmented gamma oscillatory activity between the functionally connected cortical neurons in the primary visual cortex. <i>European Journal of Neuroscience</i> , 2015, 41, 1587-1596. | 2.6 | 16 |
| 4 | Synergistic activity between primary visual neurons. <i>Neuroscience</i> , 2014, 268, 255-264. | 2.3 | 13 |
| 5 | Sound Induces Change in Orientation Preference of V1 Neurons: Audio-Visual Cross-Influence. <i>Neuroscience</i> , 2019, 404, 48-61. | 2.3 | 13 |
| 6 | Modulation of functional connectivity following visual adaptation: Homeostasis in V1. <i>Brain Research</i> , 2015, 1594, 136-153. | 2.2 | 11 |
| 7 | Comparative effects of adaptation on layers II and III and V neurons in cat V1. <i>European Journal of Neuroscience</i> , 2016, 44, 3094-3104. | 2.6 | 11 |
| 8 | Interplay of orientation selectivity and the power of low- and high-gamma bands in the cat primary visual cortex. <i>Neuroscience Letters</i> , 2016, 620, 14-19. | 2.1 | 7 |
| 9 | High noise correlation between the functionally connected neurons in emergent V1 microcircuits. <i>Experimental Brain Research</i> , 2016, 234, 523-532. | 1.5 | 7 |
| 10 | Functional synchrony and stimulus selectivity of visual cortical units: Comparison between cats and mice. <i>Neuroscience</i> , 2016, 337, 331-338. | 2.3 | 6 |
| 11 | The function of connectomes in encoding sensory stimuli. <i>Progress in Neurobiology</i> , 2019, 181, 101659. | 5.7 | 6 |
| 12 | The dendritic tree a mathematical integrator. <i>Frontiers in Bioscience - Scholar</i> , 2017, 9, 55-61. | 2.1 | 3 |
| 13 | The speed of neuronal adaptation: A perspective through the visual cortex. <i>European Journal of Neuroscience</i> , 2019, 49, 1215-1219. | 2.6 | 2 |