

# Lyes Bachatene

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The function of connectomes in encoding sensory stimuli. <i>Progress in Neurobiology</i> , 2019, 181, 101659.	5.7	6
2	Sound Induces Change in Orientation Preference of V1 Neurons: Audio-Visual Cross-Influence. <i>Neuroscience</i> , 2019, 404, 48-61.	2.3	13
3	The speed of neuronal adaptation: A perspective through the visual cortex. <i>European Journal of Neuroscience</i> , 2019, 49, 1215-1219.	2.6	2
4	The dendritic tree a mathematical integrator. <i>Frontiers in Bioscience - Scholar</i> , 2017, 9, 55-61.	2.1	3
5	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
6	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
7	Functional synchrony and stimulus selectivity of visual cortical units: Comparison between cats and mice. <i>Neuroscience</i> , 2016, 337, 331-338.	2.3	6
8	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
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	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
11	Modulation of functional connectivity following visual adaptation: Homeostasis in V1. <i>Brain Research</i> , 2015, 1594, 136-153.	2.2	11
12	Synergistic activity between primary visual neurons. <i>Neuroscience</i> , 2014, 268, 255-264.	2.3	13
13	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