

Maurizio De Pittà

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/382520/publications.pdf>

Version: 2024-02-01

23
papers

1,083
citations

686830

13
h-index

642321

23
g-index

30
all docs

30
docs citations

30
times ranked

1151
citing authors

#	ARTICLE	IF	CITATIONS
1	Astrocytes: Orchestrating synaptic plasticity?. <i>Neuroscience</i> , 2016, 323, 43-61.	1.1	196
2	Glutamate regulation of calcium and IP3 oscillating and pulsating dynamics in astrocytes. <i>Journal of Biological Physics</i> , 2009, 35, 383-411.	0.7	158
3	A Tale of Two Stories: Astrocyte Regulation of Synaptic Depression and Facilitation. <i>PLoS Computational Biology</i> , 2011, 7, e1002293.	1.5	104
4	Nonlinear Gap Junctions Enable Long-Distance Propagation of Pulsating Calcium Waves in Astrocyte Networks. <i>PLoS Computational Biology</i> , 2010, 6, e1000909.	1.5	88
5	Coexistence of amplitude and frequency modulations in intracellular calcium dynamics. <i>Physical Review E</i> , 2008, 77, 030903.	0.8	70
6	Modulation of Synaptic Plasticity by Glutamatergic Gliotransmission: A Modeling Study. <i>Neural Plasticity</i> , 2016, 2016, 1-30.	1.0	70
7	Computational quest for understanding the role of astrocyte signaling in synaptic transmission and plasticity. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 98.	1.2	63
8	A roadmap to integrate astrocytes into Systems Neuroscience. <i>Glia</i> , 2020, 68, 5-26.	2.5	52
9	Glutamate Mediated Astrocytic Filtering of Neuronal Activity. <i>PLoS Computational Biology</i> , 2014, 10, e1003964.	1.5	48
10	Multimodal encoding in a simplified model of intracellular calcium signaling. <i>Cognitive Processing</i> , 2009, 10, 55-70.	0.7	47
11	Astrocyte regulation of sleep circuits: experimental and modeling perspectives. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 65.	1.2	44
12	Sparse short-distance connections enhance calcium wave propagation in a 3D model of astrocyte networks. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 45.	1.2	42
13	Astrocyte Networks and Intercellular Calcium Propagation. <i>Springer Series in Computational Neuroscience</i> , 2019, , 177-210.	0.3	17
14	The Role of the Neuro-Astro-Vascular Unit in the Etiology of Ataxia Telangiectasia. <i>Frontiers in Pharmacology</i> , 2012, 3, 157.	1.6	13
15	Modeling Neuron-Glia Interactions with the Brian2 Simulator. <i>Springer Series in Computational Neuroscience</i> , 2019, , 471-505.	0.3	13
16	Gliotransmitter Exocytosis and Its Consequences on Synaptic Transmission. <i>Springer Series in Computational Neuroscience</i> , 2019, , 245-287.	0.3	11
17	G Protein-Coupled Receptor-Mediated Calcium Signaling in Astrocytes. <i>Springer Series in Computational Neuroscience</i> , 2019, , 115-150.	0.3	11
18	A Neuron-Glial Perspective for Computational Neuroscience. <i>Springer Series in Computational Neuroscience</i> , 2019, , 3-35.	0.3	9

#	ARTICLE	IF	CITATIONS
19	Neuron-Glial Interactions. , 2020, , 1-30.		4
20	Rome, Italy: The Lexiconâ€“An Italian Dictionary of Homophobia Spurs Gay Activism. Journal of LGBT Youth, 2005, 2, 99-105.	0.4	2
21	The topology of astrocyte networks controls the propagation of intercellular calcium waves. BMC Neuroscience, 2014, 15, .	0.8	1
22	Astrocytic theory of working memory. BMC Neuroscience, 2014, 15, .	0.8	0
23	Neuron-Glial Interactions. , 2022, , 2412-2440.		0