

# 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	Neuron-Glial Interactions. , 2022, , 2412-2440.		0
2	A roadmap to integrate astrocytes into Systems Neuroscience. <i>Glia</i> , 2020, 68, 5-26.	2.5	52
3	Neuron-Glial Interactions. , 2020, , 1-30.		4
4	Gliotransmitter Exocytosis and Its Consequences on Synaptic Transmission. <i>Springer Series in Computational Neuroscience</i> , 2019, , 245-287.	0.3	11
5	Astrocyte Networks and Intercellular Calcium Propagation. <i>Springer Series in Computational Neuroscience</i> , 2019, , 177-210.	0.3	17
6	A Neuron-Glial Perspective for Computational Neuroscience. <i>Springer Series in Computational Neuroscience</i> , 2019, , 3-35.	0.3	9
7	Modeling Neuron-Glia Interactions with the Brian2 Simulator. <i>Springer Series in Computational Neuroscience</i> , 2019, , 471-505.	0.3	13
8	G Protein-Coupled Receptor-Mediated Calcium Signaling in Astrocytes. <i>Springer Series in Computational Neuroscience</i> , 2019, , 115-150.	0.3	11
9	Modulation of Synaptic Plasticity by Glutamatergic Gliotransmission: A Modeling Study. <i>Neural Plasticity</i> , 2016, 2016, 1-30.	1.0	70
10	Astrocytes: Orchestrating synaptic plasticity?. <i>Neuroscience</i> , 2016, 323, 43-61.	1.1	196
11	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
12	Glutamate Mediated Astrocytic Filtering of Neuronal Activity. <i>PLoS Computational Biology</i> , 2014, 10, e1003964.	1.5	48
13	The topology of astrocyte networks controls the propagation of intercellular calcium waves. <i>BMC Neuroscience</i> , 2014, 15, .	0.8	1
14	Astrocytic theory of working memory. <i>BMC Neuroscience</i> , 2014, 15, .	0.8	0
15	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
16	Astrocyte regulation of sleep circuits: experimental and modeling perspectives. <i>Frontiers in Computational Neuroscience</i> , 2012, 6, 65.	1.2	44
17	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
18	A Tale of Two Stories: Astrocyte Regulation of Synaptic Depression and Facilitation. <i>PLoS Computational Biology</i> , 2011, 7, e1002293.	1.5	104

#	ARTICLE	IF	CITATIONS
19	Nonlinear Gap Junctions Enable Long-Distance Propagation of Pulsating Calcium Waves in Astrocyte Networks. PLoS Computational Biology, 2010, 6, e1000909.	1.5	88
20	Multimodal encoding in a simplified model of intracellular calcium signaling. Cognitive Processing, 2009, 10, 55-70.	0.7	47
21	Glutamate regulation of calcium and IP3 oscillating and pulsating dynamics in astrocytes. Journal of Biological Physics, 2009, 35, 383-411.	0.7	158
22	Coexistence of amplitude and frequency modulations in intracellular calcium dynamics. Physical Review E, 2008, 77, 030903.	0.8	70
23	Rome, Italy: The Lexiconâ€“An Italian Dictionary of Homophobia Spurs Gay Activism. Journal of LGBT Youth, 2005, 2, 99-105.	0.4	2