

Maurizio De Pittà

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,083
citations

687363

13
h-index

642732

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. Glia, 2020, 68, 5-26. | 4.9 | 52 |
| 3 | Neuron-Glial Interactions. , 2020, , 1-30. | | 4 |
| 4 | Gliotransmitter Exocytosis and Its Consequences on Synaptic Transmission. Springer Series in Computational Neuroscience, 2019, , 245-287. | 0.3 | 11 |
| 5 | Astrocyte Networks and Intercellular Calcium Propagation. Springer Series in Computational Neuroscience, 2019, , 177-210. | 0.3 | 17 |
| 6 | A Neuron-Glial Perspective for Computational Neuroscience. Springer Series in Computational Neuroscience, 2019, , 3-35. | 0.3 | 9 |
| 7 | Modeling Neuron-Glia Interactions with the Brian2 Simulator. Springer Series in Computational Neuroscience, 2019, , 471-505. | 0.3 | 13 |
| 8 | G Protein-Coupled Receptor-Mediated Calcium Signaling in Astrocytes. Springer Series in Computational Neuroscience, 2019, , 115-150. | 0.3 | 11 |
| 9 | Modulation of Synaptic Plasticity by Glutamatergic Gliotransmission: A Modeling Study. Neural Plasticity, 2016, 2016, 1-30. | 2.2 | 70 |
| 10 | Astrocytes: Orchestrating synaptic plasticity?. Neuroscience, 2016, 323, 43-61. | 2.3 | 196 |
| 11 | Sparse short-distance connections enhance calcium wave propagation in a 3D model of astrocyte networks. Frontiers in Computational Neuroscience, 2014, 8, 45. | 2.1 | 42 |
| 12 | Glutamate Mediated Astrocytic Filtering of Neuronal Activity. PLoS Computational Biology, 2014, 10, e1003964. | 3.2 | 48 |
| 13 | The topology of astrocyte networks controls the propagation of intercellular calcium waves. BMC Neuroscience, 2014, 15, . | 1.9 | 1 |
| 14 | Astrocytic theory of working memory. BMC Neuroscience, 2014, 15, . | 1.9 | 0 |
| 15 | The Role of the Neuro-Astro-Vascular Unit in the Etiology of Ataxia Telangiectasia. Frontiers in Pharmacology, 2012, 3, 157. | 3.5 | 13 |
| 16 | Astrocyte regulation of sleep circuits: experimental and modeling perspectives. Frontiers in Computational Neuroscience, 2012, 6, 65. | 2.1 | 44 |
| 17 | Computational quest for understanding the role of astrocyte signaling in synaptic transmission and plasticity. Frontiers in Computational Neuroscience, 2012, 6, 98. | 2.1 | 63 |
| 18 | A Tale of Two Stories: Astrocyte Regulation of Synaptic Depression and Facilitation. PLoS Computational Biology, 2011, 7, e1002293. | 3.2 | 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. | 3.2 | 88 |
| 20 | Multimodal encoding in a simplified model of intracellular calcium signaling. Cognitive Processing, 2009, 10, 55-70. | 1.4 | 47 |
| 21 | Glutamate regulation of calcium and IP3 oscillating and pulsating dynamics in astrocytes. Journal of Biological Physics, 2009, 35, 383-411. | 1.5 | 158 |
| 22 | Coexistence of amplitude and frequency modulations in intracellular calcium dynamics. Physical Review E, 2008, 77, 030903. | 2.1 | 70 |
| 23 | Rome, Italy: The Lexicon“An Italian Dictionary of Homophobia Spurs Gay Activism. Journal of LGBT Youth, 2005, 2, 99-105. | 0.4 | 2 |