

Jean-Marc Goillard

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1591702/publications.pdf>

Version: 2024-02-01

18
papers

2,715
citations

516710

16
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

2448
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability, compensation and homeostasis in neuron and network function. Nature Reviews Neuroscience, 2006, 7, 563-574.	10.2	1,048
2	Variable channel expression in identified single and electrically coupled neurons in different animals. Nature Neuroscience, 2006, 9, 356-362.	14.8	410
3	Quantitative expression profiling of identified neurons reveals cell-specific constraints on highly variable levels of gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13187-13191.	7.1	271
4	Functional consequences of animal-to-animal variation in circuit parameters. Nature Neuroscience, 2009, 12, 1424-1430.	14.8	252
5	How Multiple Conductances Determine Electrophysiological Properties in a Multicompartment Model. Journal of Neuroscience, 2009, 29, 5573-5586.	3.6	182
6	Ion Channel Degeneracy, Variability, and Covariation in Neuron and Circuit Resilience. Annual Review of Neuroscience, 2021, 44, 335-357.	10.7	98
7	Ca ²⁺ /cAMP-Sensitive Covariation of <i>I_A</i> and <i>I_H</i> Voltage Dependences Tunes Rebound Firing in Dopaminergic Neurons. Journal of Neuroscience, 2012, 32, 2166-2181.	3.6	93
8	Dynamic Clamp Analyses of Cardiac, Endocrine, and Neural Function. Physiology, 2006, 21, 197-207.	3.1	55
9	Slow and Persistent Postinhibitory Rebound Acts as an Intrinsic Short-Term Memory Mechanism. Journal of Neuroscience, 2010, 30, 4687-4692.	3.6	45
10	Somatodendritic ion channel expression in substantia nigra pars compacta dopaminergic neurons across postnatal development. Journal of Neuroscience Research, 2014, 92, 981-999.	2.9	45
11	Octopamine Modulates the Axons of Modulatory Projection Neurons. Journal of Neuroscience, 2004, 24, 7063-7073.	3.6	39
12	Topological Information Data Analysis. Entropy, 2019, 21, 869.	2.2	38
13	Non-linear developmental trajectory of electrical phenotype in rat substantia nigra pars compacta dopaminergic neurons. ELife, 2014, 3, .	6.0	36
14	Robustness to Axon Initial Segment Variation Is Explained by Somatodendritic Excitability in Rat Substantia Nigra Dopaminergic Neurons. Journal of Neuroscience, 2019, 39, 5044-5063.	3.6	28
15	Diversity of Axonal and Dendritic Contributions to Neuronal Output. Frontiers in Cellular Neuroscience, 2019, 13, 570.	3.7	28
16	Neurotransmitter identity and electrophysiological phenotype are genetically coupled in midbrain dopaminergic neurons. Scientific Reports, 2018, 8, 13637.	3.3	21
17	Refining the Identity and Role of Kv4 Channels in Mouse Substantia Nigra Dopaminergic Neurons. ENeuro, 2021, 8, ENEURO.0207-21.2021.	1.9	12
18	The pros and cons of degeneracy. ELife, 2014, 3, e02615.	6.0	9