

Jean-Marc Goillard

List of Publications by Year in descending order

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