

# Carolina Gomis-Perez

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

532  
citations

759233

12  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid propagation of membrane tension at retinal bipolar neuron presynaptic terminals. <i>Science Advances</i> , 2022, 8, eabl4411.	10.3	22
2	An epilepsy-causing mutation leads to co-translational misfolding of the Kv7.2 channel. <i>BMC Biology</i> , 2021, 19, 109.	3.8	5
3	A 49-residue sequence motif in the C terminus of Nav1.9 regulates trafficking of the channel to the plasma membrane. <i>Journal of Biological Chemistry</i> , 2020, 295, 1077-1090.	3.4	8
4	A 49-residue sequence motif in the C terminus of Nav1.9 regulates trafficking of the channel to the plasma membrane. <i>Journal of Biological Chemistry</i> , 2020, 295, 1077-1090.	3.4	6
5	Homomeric Kv7.2 current suppression is a common feature in <i><sc>KCNQ</sc>2</i> epileptic encephalopathy. <i>Epilepsia</i> , 2019, 60, 139-148.	5.1	23
6	Resilience to Pain: A Peripheral Component Identified Using Induced Pluripotent Stem Cells and Dynamic Clamp. <i>Journal of Neuroscience</i> , 2019, 39, 382-392.	3.6	66
7	Structural basis and energy landscape for the Ca <sup>2+</sup> gating and calmodulation of the Kv7.2 K <sup>+</sup> channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2395-2400.	7.1	27
8	Lack of correlation between surface expression and currents in epileptogenic AB-calmodulin binding domain Kv7.2 potassium channel mutants. <i>Channels</i> , 2018, 12, 299-310.	2.8	6
9	Monitoring Structural Reorganization of Calmodulin in Complex with the C-Terminus of KCNQ Channels. <i>Biophysical Journal</i> , 2017, 112, 109a.	0.5	0
10	Calmodulin confers calcium sensitivity to the stability of the distal intracellular assembly domain of Kv7.2 channels. <i>Scientific Reports</i> , 2017, 7, 13425.	3.3	7
11	Differential Regulation of PI(4,5)P <sub>2</sub> Sensitivity of Kv7.2 and Kv7.3 Channels by Calmodulin. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 117.	2.9	14
12	Ubiquitin-specific Protease 36 (USP36) Controls Neuronal Precursor Cell-expressed Developmentally Down-regulated 4-2 (Nedd4-2) Actions over the Neurotrophin Receptor TrkA and Potassium Voltage-gated Channels 7.2/3 (Kv7.2/3). <i>Journal of Biological Chemistry</i> , 2016, 291, 19132-19145.	3.4	11
13	Structural Insights of the Calcium Mediated Reorganization of the Calmodulin/Kv7.2 Channel Complex. <i>Biophysical Journal</i> , 2016, 110, 102a.	0.5	0
14	TRPA1 Is Expressed in Central But Not in Peripheral Glia. <i>Journal of Biomedical Science and Engineering</i> , 2016, 09, 515-531.	0.4	4
15	Disruption of Assembly/Calmodulin-Binding Coupling and Calmodulin-Dependent Potentiation of Kv7.2 Channels by a Epileptogenic Helix D Mutation. <i>Biophysical Journal</i> , 2015, 108, 349a.	0.5	0
16	Calmodulin Binding to a Novel Site in the AB Module of Kv7.2 Subunits Regulates Surface Expression. <i>Biophysical Journal</i> , 2015, 108, 24a.	0.5	0
17	Unconventional calmodulin anchoring site within the AB module of Kv7.2 channels. <i>Journal of Cell Science</i> , 2015, 128, 3155-63.	2.0	11
18	Epilepsy-causing mutations in Kv7.2 C-terminus affect binding and functional modulation by calmodulin. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1856-1866.	3.8	40

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19	Uncoupling PIP2-calmodulin regulation of Kv7.2 channels by an assembly de-stabilizing epileptogenic mutation. <i>Journal of Cell Science</i> , 2015, 128, 4014-23.	2.0	23
20	PIP2 and Surface Expression Underlie Apo-Calmodulin Dependent Kv7.2/KCNQ2 Current Potentiation. <i>Biophysical Journal</i> , 2015, 108, 349a.	0.5	0
21	Calcium-Independent Potentiation of Kv7.2 Current Density by Calmodulin. <i>Biophysical Journal</i> , 2014, 106, 141a-142a.	0.5	0
22	The Ever Changing Moods of Calmodulin: How Structural Plasticity Entails Transductional Adaptability. <i>Journal of Molecular Biology</i> , 2014, 426, 2717-2735.	4.2	87
23	Pivoting between Calmodulin Lobes Triggered by Calcium in the Kv7.2/Calmodulin Complex. <i>PLoS ONE</i> , 2014, 9, e86711.	2.5	29
24	Cooperativity between calmodulin-binding sites in Kv7.2 channels. <i>Journal of Cell Science</i> , 2013, 126, 244-253.	2.0	22
25	Pivoting between Calmodulin Lobes in the Calmodulin/Kv7.2 Complex Triggered by Calcium. <i>Biophysical Journal</i> , 2013, 104, 41a.	0.5	0
26	Biofunctional Silk/Neuron Interfaces. <i>Advanced Functional Materials</i> , 2012, 22, 1871-1884.	14.9	52
27	Biomaterials: Biofunctional Silk/Neuron Interfaces ( <i>Adv. Funct. Mater.</i> 9/2012). <i>Advanced Functional Materials</i> , 2012, 22, 1870-1870.	14.9	0
28	Surface Expression and Subunit Specific Control of Steady Protein Levels by the Kv7.2 Helix A-B Linker. <i>PLoS ONE</i> , 2012, 7, e47263.	2.5	18
29	Silk fibroin films are a bio-active interface for neuroregenerative medicine. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2012, 10, 315-323.	1.6	1
30	Somatic and autonomic small fiber neuropathy induced by bortezomib therapy: an immunofluorescence study. <i>Neurological Sciences</i> , 2011, 32, 361-363.	1.9	50