

# Alvaro Villarroel

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

602  
citations

840776

11  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

612  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Identification and Characterization of a Noncontinuous Calmodulin-binding Site in Noninactivating Voltage-dependent KCNQ Potassium Channels. <i>Journal of Biological Chemistry</i> , 2002, 277, 28545-28553.	3.4	179
2	Calmodulin regulates the trafficking of KCNQ2 potassium channels. <i>FASEB Journal</i> , 2008, 22, 1135-1143.	0.5	100
3	Calmodulin Activation Limits the Rate of KCNQ2 K+ Channel Exit from the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2009, 284, 20668-20675.	3.4	56
4	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
5	The Crossroad of Ion Channels and Calmodulin in Disease. <i>International Journal of Molecular Sciences</i> , 2019, 20, 400.	4.1	32
6	Pivoting between Calmodulin Lobes Triggered by Calcium in the Kv7.2/Calmodulin Complex. <i>PLoS ONE</i> , 2014, 9, e86711.	2.5	29
7	Structural basis and energy landscape for the Ca <sup>2+</sup> gating and calmodulation of the Kv7.2 K+ channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2395-2400.	7.1	27
8	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
9	Homomeric Kv7.2 current suppression is a common feature in <i>KCNQ2</i> epileptic encephalopathy. <i>Epilepsia</i> , 2019, 60, 139-148.	5.1	23
10	Cooperativity between calmodulin-binding sites in Kv7.2 channels. <i>Journal of Cell Science</i> , 2013, 126, 244-253.	2.0	22
11	The Kv7.2/Kv7.3 Heterotetramer Assembles with a Random Subunit Arrangement. <i>Journal of Biological Chemistry</i> , 2012, 287, 11870-11877.	3.4	21
12	Atomistic Insights of Calmodulin Gating of Complete Ion Channels. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1285.	4.1	18
13	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
14	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
15	Dynamic properties of calcium-activated chloride currents in <i>Xenopus laevis</i> oocytes. <i>Scientific Reports</i> , 2017, 7, 41791.	3.3	6
16	An epilepsy-causing mutation leads to co-translational misfolding of the Kv7.2 channel. <i>BMC Biology</i> , 2021, 19, 109.	3.8	5
17	Do calmodulin binding IQ motifs have built-in capping domains?. <i>Protein Science</i> , 2021, 30, 2029-2041.	7.6	3
18	Gure bihotzeko kalmodulina. <i>Ekaia (journal)</i> , 0, , .	0.0	0