

# Alvaro Villarroel

## List of Publications by Year in descending order

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18  
papers

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840776

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888059

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docs citations

19  
times ranked

612  
citing authors

#	ARTICLE	IF	CITATIONS
1	An epilepsy-causing mutation leads to co-translational misfolding of the Kv7.2 channel. BMC Biology, 2021, 19, 109.	3.8	5
2	Do calmodulin binding IQ motifs have built-in capping domains?. Protein Science, 2021, 30, 2029-2041.	7.6	3
3	Atomistic Insights of Calmodulin Gating of Complete Ion Channels. International Journal of Molecular Sciences, 2020, 21, 1285.	4.1	18
4	Homomeric Kv7.2 current suppression is a common feature in <i>KCNQ2</i> epileptic encephalopathy. Epilepsia, 2019, 60, 139-148.	5.1	23
5	The Crossroad of Ion Channels and Calmodulin in Disease. International Journal of Molecular Sciences, 2019, 20, 400.	4.1	32
6	Structural basis and energy landscape for the Ca <sup>2+</sup> gating and calmodulation of the Kv7.2 K <sup>+</sup> channel. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2395-2400.	7.1	27
7	Dynamic properties of calcium-activated chloride currents in <i>Xenopus laevis</i> oocytes. Scientific Reports, 2017, 7, 41791.	3.3	6
8	Calmodulin confers calcium sensitivity to the stability of the distal intracellular assembly domain of Kv7.2 channels. Scientific Reports, 2017, 7, 13425.	3.3	7
9	Unconventional calmodulin anchoring site within the AB module of Kv7.2 channels. Journal of Cell Science, 2015, 128, 3155-63.	2.0	11
10	Epilepsy-causing mutations in Kv7.2 C-terminus affect binding and functional modulation by calmodulin. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1856-1866.	3.8	40
11	Uncoupling PIP <sub>2</sub> -calmodulin regulation of Kv7.2 channels by an assembly de-stabilizing epileptogenic mutation. Journal of Cell Science, 2015, 128, 4014-23.	2.0	23
12	Pivoting between Calmodulin Lobes Triggered by Calcium in the Kv7.2/Calmodulin Complex. PLoS ONE, 2014, 9, e86711.	2.5	29
13	Cooperativity between calmodulin-binding sites in Kv7.2 channels. Journal of Cell Science, 2013, 126, 244-253.	2.0	22
14	The Kv7.2/Kv7.3 Heterotetramer Assembles with a Random Subunit Arrangement. Journal of Biological Chemistry, 2012, 287, 11870-11877.	3.4	21
15	Calmodulin Activation Limits the Rate of KCNQ2 K <sup>+</sup> Channel Exit from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2009, 284, 20668-20675.	3.4	56
16	Calmodulin regulates the trafficking of KCNQ2 potassium channels. FASEB Journal, 2008, 22, 1135-1143.	0.5	100
17	The Identification and Characterization of a Noncontinuous Calmodulin-binding Site in Noninactivating Voltage-dependent KCNQ Potassium Channels. Journal of Biological Chemistry, 2002, 277, 28545-28553.	3.4	179
18	Gure bihotzeko kalmodulina. Ekaia (journal), 0, , .	0.0	0