

# Ru-Chi Shieh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1654750/publications.pdf>

Version: 2024-02-01

14  
papers

202  
citations

1040056

9  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interaction of Ba <sup>2+</sup> with the Pores of the Cloned Inward Rectifier K <sup>+</sup> Channels Kir2.1 Expressed in Xenopus Oocytes. <i>Biophysical Journal</i> , 1998, 75, 2313-2322.	0.5	60
2	The Effects of Spermine on the Accessibility of Residues in the M2 Segment of Kir2.1 Channels Expressed in Xenopus Oocytes. <i>Journal of Physiology</i> , 2003, 553, 101-112.	2.9	18
3	Electrostatics in the Cytoplasmic Pore Produce Intrinsic Inward Rectification in Kir2.1 Channels. <i>Journal of General Physiology</i> , 2005, 126, 551-562.	1.9	17
4	A Ring of Negative Charges in the Intracellular Vestibule of Kir2.1 Channel Modulates K <sup>+</sup> Permeation. <i>Biophysical Journal</i> , 2005, 88, 243-254.	0.5	16
5	Extracellular K <sup>+</sup> elevates outward currents through Kir2.1 channels by increasing single-channel conductance. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 1772-1778.	2.6	15
6	The Extracellular K <sup>+</sup> Concentration Dependence of Outward Currents through Kir2.1 Channels Is Regulated by Extracellular Na <sup>+</sup> and Ca <sup>2+</sup> . <i>Journal of Biological Chemistry</i> , 2010, 285, 23115-23125.	3.4	13
7	Revisiting inward rectification: K ions permeate through Kir2.1 channels during high-affinity block by spermidine. <i>Journal of General Physiology</i> , 2012, 139, 245-259.	1.9	13
8	Charges in the Cytoplasmic Pore Control Intrinsic Inward Rectification and Single-Channel Properties in Kir1.1 and Kir2.1 Channels. <i>Journal of Membrane Biology</i> , 2007, 215, 181-193.	2.1	11
9	Activation of the Ca <sup>2+</sup> -sensing receptors increases currents through inward rectifier K <sup>+</sup> channels via activation of phosphatidylinositol 4-kinase. <i>Pflügers Archiv European Journal of Physiology</i> , 2016, 468, 1931-1943.	2.8	9
10	Voltage-dependent inhibition of outward Kir2.1 currents by extracellular spermine. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 765-775.	2.6	7
11	Mechanism for attenuated outward conductance induced by mutations in the cytoplasmic pore of Kir2.1 channels. <i>Scientific Reports</i> , 2015, 5, 18404.	3.3	7
12	Conformational Changes in Kir2.1 Channels during NH <sub>4</sub> <sup>+</sup> -induced Inactivation. <i>Journal of Biological Chemistry</i> , 2003, 278, 908-918.	3.4	6
13	K <sup>+</sup> binding in the G-loop and water cavity facilitates Ba <sup>2+</sup> movement in the Kir2.1 channel. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 500-506.	2.6	5
14	Linkage analysis reveals allosteric coupling in Kir2.1 channels. <i>Journal of General Physiology</i> , 2018, 150, 1541-1553.	1.9	5