

# Ru-Chi Shieh

## List of Publications by Year in descending order

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14  
papers

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citations

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Linkage analysis reveals allosteric coupling in Kir2.1 channels. <i>Journal of General Physiology</i> , 2018, 150, 1541-1553.	1.9	5
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	The Effects of Spermine on the Accessibility of Residues in the M2 Segment of Kir2.1 Channels Expressed in <i>Xenopus</i> Oocytes. <i>Journal of Physiology</i> , 2003, 553, 101-112.	2.9	18
13	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
14	Interaction of Ba <sup>2+</sup> with the Pores of the Cloned Inward Rectifier K <sup>+</sup> Channels Kir2.1 Expressed in <i>Xenopus</i> Oocytes. <i>Biophysical Journal</i> , 1998, 75, 2313-2322.	0.5	60