

Marcus Schewe

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

563
citations

933447

10
h-index

1281871

11
g-index

16
all docs

16
docs citations

16
times ranked

650
citing authors

#	ARTICLE	IF	CITATIONS
1	A Non-canonical Voltage-Sensing Mechanism Controls Gating in K2P K ⁺ Channels. <i>Cell</i> , 2016, 164, 937-949.	28.9	169
2	A pharmacological master key mechanism that unlocks the selectivity filter gate in K ⁺ channels. <i>Science</i> , 2019, 363, 875-880.	12.6	91
3	Polymodal activation of the TREK-2 K2P channel produces structurally distinct open states. <i>Journal of General Physiology</i> , 2016, 147, 497-505.	1.9	65
4	Sodium permeable and Ca^{2+} -hypersensitive TREK-1 channels cause ventricular tachycardia. <i>EMBO Molecular Medicine</i> , 2017, 9, 403-414.	6.9	65
5	Bilayer-Mediated Structural Transitions Control Mechanosensitivity of the TREK-2 K2P Channel. <i>Structure</i> , 2017, 25, 708-718.e2.	3.3	64
6	An otopetrin family proton channel promotes cellular acid efflux critical for biomineralization in a marine calcifier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	22
7	The molecular basis for an allosteric inhibition of K ⁺ -flux gating in K2P channels. <i>ELife</i> , 2019, 8, .	6.0	20
8	The VAMP-associated protein VAPB is required for cardiac and neuronal pacemaker channel function. <i>FASEB Journal</i> , 2018, 32, 6159-6173.	0.5	19
9	Norfluoxetine inhibits TREK-2 K2P channels by multiple mechanisms including state-independent effects on the selectivity filter gate. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	17
10	Selectivity filter instability dominates the low intrinsic activity of the TWIK-1 K2P K ⁺ channel. <i>Journal of Biological Chemistry</i> , 2020, 295, 610-618.	3.4	16
11	The versatile regulation of K2P channels by polyanionic lipids of the phosphoinositide and fatty acid metabolism. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	10