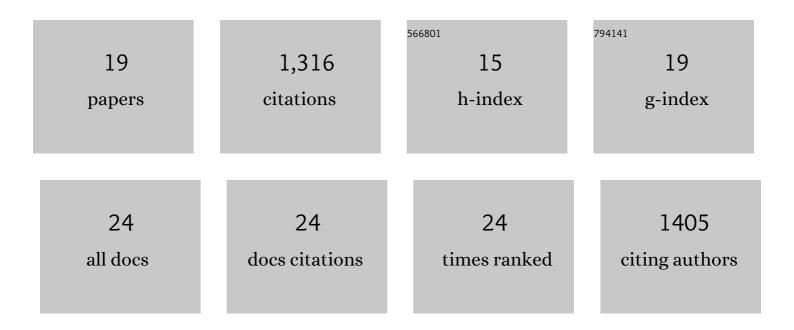
## Thomas Baukrowitz

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Functional Conversion Between A-Type and Delayed Rectifier K+ Channels by Membrane Lipids. Science, 2004, 304, 265-270.	6.0	301
2	A Non-canonical Voltage-Sensing Mechanism Controls Gating in K2P K+ Channels. Cell, 2016, 164, 937-949.	13.5	169
3	The pore structure and gating mechanism of K2P channels. EMBO Journal, 2011, 30, 3607-3619.	3.5	162
4	A pharmacological master key mechanism that unlocks the selectivity filter gate in K <sup>+</sup> channels. Science, 2019, 363, 875-880.	6.0	91
5	A Specific Two-pore Domain Potassium Channel Blocker Defines the Structure of the TASK-1 Open Pore. Journal of Biological Chemistry, 2011, 286, 13977-13984.	1.6	69
6	Long-chain acyl-CoA esters and phosphatidylinositol phosphates modulate ATP inhibition of KATP channels by the same mechanism. Journal of Physiology, 2003, 552, 357-367.	1.3	69
7	Polymodal activation of the TREK-2 K2P channel produces structurally distinct open states. Journal of General Physiology, 2016, 147, 497-505.	0.9	65
8	Sodium permeable and "hypersensitive― <scp>TREK</scp> â€1 channels cause ventricular tachycardia. EMBO Molecular Medicine, 2017, 9, 403-414.	3.3	65
9	Bilayer-Mediated Structural Transitions Control Mechanosensitivity of the TREK-2 K2P Channel. Structure, 2017, 25, 708-718.e2.	1.6	64
10	How Highly Charged Anionic Lipids Bind and Regulate Ion Channels. Journal of General Physiology, 2008, 131, 431-438.	0.9	51
11	State-independent intracellular access of quaternary ammonium blockers to the pore of TREK-1. Channels, 2012, 6, 473-478.	1.5	37
12	Long Chain CoA Esters as Competitive Antagonists of Phosphatidylinositol 4,5-Bisphosphate Activation in Kir Channels. Journal of Biological Chemistry, 2005, 280, 30760-30767.	1.6	36
13	Cytoplasmic accumulation of long-chain coenzyme A esters activates KATPand inhibits Kir2.1 channels. Journal of Physiology, 2006, 575, 433-442.	1.3	28
14	An otopetrin family proton channel promotes cellular acid efflux critical for biomineralization in a marine calcifier. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
15	The molecular basis for an allosteric inhibition of K+-flux gating in K2P channels. ELife, 2019, 8, .	2.8	20
16	The VAMPâ€essociated protein VAPB is required for cardiac and neuronal pacemaker channel function. FASEB Journal, 2018, 32, 6159-6173.	0.2	19
17	Norfluoxetine inhibits TREK-2 K2P channels by multiple mechanisms including state-independent effects on the selectivity filter gate. Journal of General Physiology, 2021, 153, .	0.9	17
18	Selectivity filter instability dominates the low intrinsic activity of the TWIK-1 K2P K+ channel. Journal of Biological Chemistry, 2020, 295, 610-618.	1.6	16

#	Article	IF	CITATIONS
19	The versatile regulation of K2P channels by polyanionic lipids of the phosphoinositide and fatty acid metabolism. Journal of General Physiology, 2022, 154, .	0.9	10