Robert Rauh

List of Publications by Year in Descending Order

25 papers	815 citations	16 h-index	25 g-index
25 ext. papers	904 ext. citations	4 avg, IF	3.34 L-index

#	Paper	IF	Citations
25	Effects of syntaxins 2, 3, and 4 on rat and human epithelial sodium channel (ENaC) in Xenopus laevis oocytes. *Pflugers Archiv European Journal of Physiology*, **2020**, 472, 461-471	4.6	2
24	Anoctamin-4 is a bona fide Ca-dependent non-selective cation channel. *Scientific Reports*, **2019**, 9, 2257	4.9	12
23	The phosphorylation site T613 in the β-subunit of rat epithelial Na channel (ENaC) modulates channel inhibition by Nedd4-2. *Pflugers Archiv European Journal of Physiology*, **2018**, 470, 649-660	4.6	10
22	βENaC is inhibited by CFTR but stimulated by cAMP in oocytes. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2017**, 312, L277-L287	5.8	11
21	A mutation in the β-subunit of ENaC identified in a patient with cystic fibrosis-like symptoms has a gain-of-function effect. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2013**, 304, L43-55	5.8	21
20	Plasmin and chymotrypsin have distinct preferences for channel activating cleavage sites in the γ subunit of the human epithelial sodium channel. *Journal of General Physiology*, **2012**, 140, 375-89	3.4	39
19	An inhibitory peptide derived from the β-subunit of the epithelial sodium channel (ENaC) shows a helical conformation. *Cellular Physiology and Biochemistry*, **2012**, 29, 761-74	3.9	8
18	A mutation of the epithelial sodium channel associated with atypical cystic fibrosis increases channel open probability and reduces Na+ self inhibition. *Journal of Physiology*, **2010**, 588, 1211-25	3.9	65
17	Functional characterization of a partial loss-of-function mutation of the epithelial sodium channel (ENaC) associated with atypical cystic fibrosis. *Cellular Physiology and Biochemistry*, **2010**, 25, 145-58	3.9	25
16	Protein kinase B alpha (PKBα) stimulates the epithelial sodium channel (ENaC) heterologously expressed in Xenopus laevis oocytes by two distinct mechanisms. *Cellular Physiology and Biochemistry*, **2010**, 26, 913-24	3.9	23
15	The delta-subunit of the epithelial sodium channel (ENaC) enhances channel activity and alters proteolytic ENaC activation. *Journal of Biological Chemistry*, **2009**, 284, 29024-40	5.4	54
14	Cholesterol depletion of the plasma membrane prevents activation of the epithelial sodium channel (ENaC) by SGK1. *Cellular Physiology and Biochemistry*, **2009**, 24, 605-18	3.9	48
13	Mutations in the amiloride-sensitive epithelial sodium channel in patients with cystic fibrosis-like disease. *Human Mutation*, **2009**, 30, 1093-103	4.7	75
12	The effects of acetylic salicylic acid on heart rate variability in healthy subjects. *Clinical Autonomic Research*, **2007**, 17, 115-7	4.3	5
11	(NDRG2) stimulates amiloride-sensitive Na+ currents in Xenopus laevis oocytes and fisher rat thyroid cells. *Journal of Biological Chemistry*, **2007**, 282, 28264-73	5.4	29
10	The effects of sildenafil on heart rate variability in healthy subjects. *Journal of Cardiovascular Pharmacology*, **2007**, 50, 598-600	3.1	4
9	Functional characterization of a novel CFTR mutation P67S identified in a patient with atypical cystic fibrosis. *Cellular Physiology and Biochemistry*, **2007**, 19, 239-48	3.9	7

8	Acute effects of caffeine on heart rate variability in habitual caffeine consumers. *Clinical Physiology and Functional Imaging*, **2006**, 26, 163-6	2.4	40
7	Stimulation of the epithelial sodium channel (ENaC) by the serum- and glucocorticoid-inducible kinase (Sgk) involves the PY motifs of the channel but is independent of sodium feedback inhibition. *Pflugers Archiv European Journal of Physiology*, **2006**, 452, 290-9	4.6	23
6	Agreement of two different methods for measurement of heart rate variability. *Clinical Autonomic Research*, **2003**, 13, 99-102	4.3	92
5	Quantification of inspiratory-induced vasoconstrictive episodes: a comparison of laser Doppler fluxmetry and photoplethysmography. *Clinical Physiology and Functional Imaging*, **2003**, 23, 344-8	2.4	20
4	Effects of olanzapine and clozapine upon pulse rate variability. *Depression and Anxiety*, **2002**, 16, 93-9	8.4	49
3	Do preceding vasoconstrictions influence the ‘inspiratory gasp test’?. *Clinical Physiology and Functional Imaging*, **2002**, 22, 206-9	2.4	6
2	Influence of pneumoperitoneum and patient positioning on preload and splanchnic blood volume in laparoscopic surgery of the lower abdomen. *Journal of Clinical Anesthesia*, **2001**, 13, 244-9	1.9	47
1	Influence of pneumoperitoneum and patient positioning on respiratory system compliance. *Journal of Clinical Anesthesia*, **2001**, 13, 361-5	1.9	100