

Robert Rauh

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

972
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1175
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Influence of pneumoperitoneum and patient positioning on respiratory system compliance. <i>Journal of Clinical Anesthesia</i> , 2001, 13, 361-365. | 1.6 | 126 |
| 2 | Agreement of two different methods for measurement of heart rate variability. <i>Clinical Autonomic Research</i> , 2003, 13, 99-102. | 2.5 | 111 |
| 3 | A mutation of the epithelial sodium channel associated with atypical cystic fibrosis increases channel open probability and reduces Na ⁺ self inhibition. <i>Journal of Physiology</i> , 2010, 588, 1211-1225. | 2.9 | 83 |
| 4 | Mutations in the amiloride-sensitive epithelial sodium channel in patients with cystic fibrosis-like disease. <i>Human Mutation</i> , 2009, 30, 1093-1103. | 2.5 | 82 |
| 5 | The β -Subunit of the Epithelial Sodium Channel (ENaC) Enhances Channel Activity and Alters Proteolytic ENaC Activation. <i>Journal of Biological Chemistry</i> , 2009, 284, 29024-29040. | 3.4 | 67 |
| 6 | Influence of pneumoperitoneum and patient positioning on preload and splanchnic blood volume in laparoscopic surgery of the lower abdomen. <i>Journal of Clinical Anesthesia</i> , 2001, 13, 244-249. | 1.6 | 60 |
| 7 | Effects of olanzapine and clozapine upon pulse rate variability. <i>Depression and Anxiety</i> , 2002, 16, 93-99. | 4.1 | 54 |
| 8 | Acute effects of caffeine on heart rate variability in habitual caffeine consumers. <i>Clinical Physiology and Functional Imaging</i> , 2006, 26, 163-166. | 1.2 | 51 |
| 9 | Cholesterol Depletion of the Plasma Membrane Prevents Activation of the Epithelial Sodium Channel (ENaC) by SGK1. <i>Cellular Physiology and Biochemistry</i> , 2009, 24, 605-618. | 1.6 | 51 |
| 10 | Plasmin and chymotrypsin have distinct preferences for channel activating cleavage sites in the β subunit of the human epithelial sodium channel. <i>Journal of General Physiology</i> , 2012, 140, 375-389. | 1.9 | 41 |
| 11 | (NDRG2) Stimulates Amiloride-sensitive Na ⁺ Currents in <i>Xenopus laevis</i> Oocytes and Fisher Rat Thyroid Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 28264-28273. | 3.4 | 33 |
| 12 | 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. <i>Pflügers Archiv European Journal of Physiology</i> , 2006, 452, 290-299. | 2.8 | 27 |
| 13 | Functional Characterization of a Partial Loss-of-Function Mutation of the Epithelial Sodium Channel (ENaC) Associated with Atypical Cystic Fibrosis. <i>Cellular Physiology and Biochemistry</i> , 2010, 25, 145-158. | 1.6 | 27 |
| 14 | Protein Kinase B Alpha (PKB α) Stimulates the Epithelial Sodium Channel (ENaC) Heterologously Expressed in <i>Xenopus laevis</i> Oocytes by Two Distinct Mechanisms. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 913-924. | 1.6 | 25 |
| 15 | A mutation in the β -subunit of ENaC identified in a patient with cystic fibrosis-like symptoms has a gain-of-function effect. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L43-L55. | 2.9 | 25 |
| 16 | Anoctamin-4 is a bona fide Ca ²⁺ -dependent non-selective cation channel. <i>Scientific Reports</i> , 2019, 9, 2257. | 3.3 | 25 |
| 17 | Quantification of inspiratory-induced vasoconstrictive episodes: a comparison of laser Doppler fluxmetry and photoplethysmography. <i>Clinical Physiology and Functional Imaging</i> , 2003, 23, 344-348. | 1.2 | 24 |
| 18 | β -ENaC is inhibited by CFTR but stimulated by cAMP in <i>Xenopus laevis</i> oocytes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L277-L287. | 2.9 | 13 |

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|----|---|-----|-----------|
| 19 | The phosphorylation site T613 in the β -subunit of rat epithelial Na ⁺ channel (ENaC) modulates channel inhibition by Nedd4-2. <i>Pflügers Archiv European Journal of Physiology</i> , 2018, 470, 649-660. | 2.8 | 13 |
| 20 | Functional Characterization of a Novel CFTR Mutation P67S Identified in a Patient with Atypical Cystic Fibrosis. <i>Cellular Physiology and Biochemistry</i> , 2007, 19, 239-248. | 1.6 | 8 |
| 21 | An Inhibitory Peptide Derived from the α -subunit of the Epithelial Sodium Channel (ENaC) Shows a Helical Conformation. <i>Cellular Physiology and Biochemistry</i> , 2012, 29, 761-774. | 1.6 | 8 |
| 22 | Do preceding vasoconstrictions influence the 'inspiratory gasp test'? <i>Clinical Physiology and Functional Imaging</i> , 2002, 22, 206-209. | 1.2 | 7 |
| 23 | The effects of acetylic salicylic acid on heart rate variability in healthy subjects. <i>Clinical Autonomic Research</i> , 2007, 17, 115-117. | 2.5 | 5 |
| 24 | The Effects of Sildenafil on Heart Rate Variability in Healthy Subjects. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 50, 598-600. | 1.9 | 4 |
| 25 | Effects of syntaxins 2, 3, and 4 on rat and human epithelial sodium channel (ENaC) in <i>Xenopus laevis</i> oocytes. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 461-471. | 2.8 | 2 |