

Christian Aalkjr

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

1,069
citations

15
h-index

32
g-index

48
ext. papers

1,207
ext. citations

6.8
avg, IF

4.3
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 48 | ATP induced calcium signaling activity in perivascular cells differ at different vascular branch levels in the porcine retina. <i>Microvascular Research</i> , 2022 , 139, 104256 | 3.7 | 1 |
| 47 | Migraine-Associated Mutation in the Na,K-ATPase Leads to Disturbances in Cardiac Metabolism and Reduced Cardiac Function.. <i>Journal of the American Heart Association</i> , 2022 , e021814 | 6 | 1 |
| 46 | Brain capillary pericytes and neurovascular coupling. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2021 , 254, 110893 | 2.6 | 10 |
| 45 | The Remarkable Cardiovascular System of Giraffes. <i>Annual Review of Physiology</i> , 2021 , 83, 1-15 | 23.1 | 6 |
| 44 | Sympathetic and Sensory-Motor Nerves in Peripheral Small Arteries. <i>Physiological Reviews</i> , 2021 , 101, 495-544 | 47.9 | 10 |
| 43 | Did giraffe cardiovascular evolution solve the problem of heart failure with preserved ejection fraction?. <i>Evolution, Medicine and Public Health</i> , 2021 , 9, 248-255 | 3 | 0 |
| 42 | Dynein regulates Kv7.4 channel trafficking from the cell membrane. <i>Journal of General Physiology</i> , 2021 , 153, | 3.4 | 4 |
| 41 | Abnormal neurovascular coupling as a cause of excess cerebral vasodilation in familial migraine. <i>Cardiovascular Research</i> , 2020 , 116, 2009-2020 | 9.9 | 6 |
| 40 | Differential Effects of Intra- and Extravascular ATP on the Diameter of Porcine Vessels at Different Branching Levels Ex Vivo 2020 , 61, 8 | | 2 |
| 39 | A sex-specific, COX-derived/thromboxane receptor activator causes depolarization and vasoconstriction in male mice mesenteric resistance arteries. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2020 , 127, 152-159 | 3.1 | 1 |
| 38 | Perivascular Adipose Tissue Contributes to the Modulation of Vascular Tone in vivo. <i>Journal of Vascular Research</i> , 2019 , 56, 320-332 | 1.9 | 3 |
| 37 | Rat mesenteric small artery neurogenic dilatation is predominantly mediated by β adrenoceptors in vivo. <i>Journal of Physiology</i> , 2019 , 597, 1819-1831 | 3.9 | 6 |
| 36 | [Ca] changes in sympathetic varicosities and Schwann cells in rat mesenteric arteries-Relation to noradrenaline release and contraction. <i>Acta Physiologica</i> , 2019 , 226, e13279 | 5.6 | 3 |
| 35 | Abnormal neurovascular signaling in mouse model for familial hemiplegic migraine type 2. <i>FASEB Journal</i> , 2019 , 33, 688.14 | 0.9 | |
| 34 | The vasodilating effect of glucose differs among vessels at different branching level in the porcine retina ex vivo. <i>Experimental Eye Research</i> , 2019 , 179, 150-156 | 3.7 | 8 |
| 33 | Smooth muscle Ca sensitization causes hypercontractility of middle cerebral arteries in mice bearing the familial hemiplegic migraine type 2 associated mutation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1570-1587 | 7.3 | 11 |
| 32 | The ins and outs of acid-base transport in skeletal muscle. <i>Journal of General Physiology</i> , 2018 , 150, 3-6 | 3.4 | |

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|----|--|-----|----|
| 31 | Microtubule Regulation of Kv7 Channels Orchestrates cAMP-Mediated Vasorelaxations in Rat Arterial Smooth Muscle. <i>Hypertension</i> , 2018 , 71, 336-345 | 8.5 | 12 |
| 30 | 4-Aminopyridine: a pan voltage-gated potassium channel inhibitor that enhances K _{7.4} currents and inhibits noradrenaline-mediated contraction of rat mesenteric small arteries. <i>British Journal of Pharmacology</i> , 2018 , 175, 501-516 | 8.6 | 15 |
| 29 | The Na,K-ATPase-Dependent Src Kinase Signaling Changes with Mesenteric Artery Diameter. <i>International Journal of Molecular Sciences</i> , 2018 , 19, | 6.3 | 4 |
| 28 | Differential effects of nitric oxide and cyclo-oxygenase inhibition on the diameter of porcine retinal vessels with different caliber during hypoxia <i>ex vivo</i> . <i>Experimental Eye Research</i> , 2017 , 160, 38-44 | 3.7 | 9 |
| 27 | PDE1A inhibition elicits cGMP-dependent relaxation of rat mesenteric arteries. <i>British Journal of Pharmacology</i> , 2017 , 174, 4186-4198 | 8.6 | 10 |
| 26 | Intravital investigation of rat mesenteric small artery tone and blood flow. <i>Journal of Physiology</i> , 2017 , 595, 5037-5053 | 3.9 | 22 |
| 25 | Sensitivity to the thromboxane A ₂ analog U46619 varies with inner diameter in human stem villous arteries. <i>Placenta</i> , 2016 , 39, 111-5 | 3.4 | 3 |
| 24 | The thick left ventricular wall of the giraffe heart normalises wall tension, but limits stroke volume and cardiac output. <i>Journal of Experimental Biology</i> , 2016 , 219, 457-63 | 3 | 17 |
| 23 | The vasodilating effects of insulin and lactate are increased in precapillary arterioles in the porcine retina <i>ex vivo</i> . <i>Acta Ophthalmologica</i> , 2016 , 94, 454-62 | 3.7 | 11 |
| 22 | GLP-1 inhibits VEGFA-mediated signaling in isolated human endothelial cells and VEGFA-induced dilation of rat mesenteric arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H1214-H1224 | 5.2 | 10 |
| 21 | The role of Ca(2+) activated Cl(-) channels in blood pressure control. <i>Current Opinion in Pharmacology</i> , 2015 , 21, 127-37 | 5.1 | 16 |
| 20 | Prostaglandin induced changes in the tone of porcine retinal arterioles <i>in vitro</i> involve other factors than calcium activity in perivascular cells. <i>Experimental Eye Research</i> , 2015 , 138, 96-103 | 3.7 | 4 |
| 19 | Impaired endothelial calcium signaling is responsible for the defective dilation of mesenteric resistance arteries from db/db mice to acetylcholine. <i>European Journal of Pharmacology</i> , 2015 , 767, 17-23 | 5.3 | 9 |
| 18 | Cation-coupled bicarbonate transporters. <i>Comprehensive Physiology</i> , 2014 , 4, 1605-37 | 7.7 | 38 |
| 17 | Constriction of porcine retinal arterioles induced by endothelin-1 and the thromboxane analogue U46619 <i>in vitro</i> decreases with increasing vascular branching level. <i>Acta Ophthalmologica</i> , 2014 , 92, 232-7 | 3.7 | 13 |
| 16 | The electroneutral Na ⁺ HCO ₃ ⁻ cotransporter NBCn1 plays an essential role in duodenal acid/base balance and colonic mucus layer build-up in anaesthetised mice. <i>FASEB Journal</i> , 2013 , 27, 730.4 | 0.9 | 0 |
| 15 | Antiphase oscillations of endothelium and smooth muscle [Ca ²⁺] _i in vasomotion of rat mesenteric small arteries. <i>Cell Calcium</i> , 2007 , 42, 536-47 | 4 | 28 |
| 14 | ATP-induced relaxation of porcine retinal arterioles depends on the perivascular retinal tissue and acts via an adenosine receptor. <i>Current Eye Research</i> , 2007 , 32, 353-9 | 2.9 | 23 |

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|----|--|------|-----|
| 13 | Localization of NBCn1 (slc4a7) by a non-immunological method. <i>FASEB Journal</i> , 2007 , 21, A1283 | 0.9 | 1 |
| 12 | Effect of acidosis on isolated porcine retinal vessels. <i>Current Eye Research</i> , 2006 , 31, 427-34 | 2.9 | 16 |
| 11 | Distribution of cGMP-dependent and cGMP-independent Ca(2+)-activated Cl(-) conductances in smooth muscle cells from different vascular beds and colon. <i>Pflugers Archiv European Journal of Physiology</i> , 2005 , 451, 371-9 | 4.6 | 30 |
| 10 | Junctional and nonjunctional effects of heptanol and glycyrrhetic acid derivates in rat mesenteric small arteries. <i>British Journal of Pharmacology</i> , 2004 , 142, 961-72 | 8.6 | 73 |
| 9 | KATP-channel-induced vasodilation is modulated by the Na,K-pump activity in rabbit coronary small arteries. <i>British Journal of Pharmacology</i> , 2004 , 143, 872-80 | 8.6 | 14 |
| 8 | Basolateral Na ⁺ -dependent HCO ₃ ⁻ transporter NBCn1-mediated HCO ₃ ⁻ influx in rat medullary thick ascending limb. <i>Journal of Physiology</i> , 2004 , 555, 205-18 | 3.9 | 64 |
| 7 | Myogenic response in isolated porcine retinal arterioles. <i>Current Eye Research</i> , 2003 , 27, 217-22 | 2.9 | 31 |
| 6 | Short chained fatty acids and the colon: how do they cause vasodilatation?. <i>Journal of Physiology</i> , 2002 , 538, 674 | 3.9 | 4 |
| 5 | Bradykinin relaxation in small porcine retinal arterioles. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 1891-6 | | 32 |
| 4 | Hypothesis for the initiation of vasomotion. <i>Circulation Research</i> , 2001 , 88, 810-5 | 15.7 | 211 |
| 3 | Endothelial dysfunction in resistance arteries is related to high blood pressure and circulating low density lipoproteins in previously treated hypertension. <i>American Journal of Hypertension</i> , 2001 , 14, 861-7 ³ | | 10 |
| 2 | An electroneutral sodium/bicarbonate cotransporter NBCn1 and associated sodium channel. <i>Nature</i> , 2000 , 405, 571-5 | 50.4 | 208 |
| 1 | Immunolocalization of electroneutral Na-HCO ₃ (-) cotransporter in rat kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 279, F901-9 | 4.3 | 59 |