Ulf Simonsen

List of Publications by Year
in descending order

103	2,873	201385 27	197535 49
papers	citations	h-index	g-index

105	105	105	3330
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anatomy, Physiology, and Pathophysiology of Erectile Dysfunction. Journal of Sexual Medicine, 2010, 7, 445-475.	0.3	314
2	BCPT policy for experimental and clinical studies. Basic and Clinical Pharmacology and Toxicology, 2021, 128, 4-8.	1.2	248
3	The role of SOX family members in solid tumours and metastasis. Seminars in Cancer Biology, 2020, 67, 122-153.	4.3	238
4	In vitrosimultaneous measurements of relaxation and nitric oxide concentration in rat superior mesenteric artery. Journal of Physiology, 1999, 516, 271-282.	1.3	108
5	Nitrite-dependent vasodilation is facilitated by hypoxia and is independent of known NO-generating nitrite reductase activities. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H3072-H3078.	1.5	100
6	Penile Arteries and Erection. Journal of Vascular Research, 2002, 39, 283-303.	0.6	96
7	Nitric oxide, prostanoid and non-NO, non-prostanoid involvement in acetylcholine relaxation of isolated human small arteries. British Journal of Pharmacology, 2000, 129, 184-192.	2.7	87
8	Combination of Ca2+ -activated K+ channel blockers inhibits acetylcholine-evoked nitric oxide release in rat superior mesenteric artery. British Journal of Pharmacology, 2006, 149, 560-572.	2.7	72
9	The effect of tempol on endothelium-dependent vasodilatation and blood pressure. , 2009, 122, 109-124.		68
10	Pharmacological activation of KCa3.1/KCa2.3 channels produces endothelial hyperpolarization and lowers blood pressure in conscious dogs. British Journal of Pharmacology, 2012, 165, 223-234.	2.7	60
11	Opening of Small and Intermediate Calcium-Activated Potassium Channels Induces Relaxation Mainly Mediated by Nitric-Oxide Release in Large Arteries and Endothelium-Derived Hyperpolarizing Factor in Small Arteries from Rat. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 842-850.	1.3	58
12	Involvement of nitric oxide in the nonâ€adrenergic nonâ€cholinergic neurotransmission of horse deep penile arteries: role of charybdotoxinâ€sensitive K‹sup›+‹/sup›â€channels. British Journal of Pharmacology, 1995, 116, 2582-2590.	2.7	53
13	Contribution of K+ channels and ouabain-sensitive mechanisms to the endothelium-dependent relaxations of horse penile small arteries. British Journal of Pharmacology, 1998, 123, 1609-1620.	2.7	53
14	Smoking Cessation Early in Pregnancy and Birth Weight, Length, Head Circumference, and Endothelial Nitric Oxide Synthase Activity in Umbilical and Chorionic Vessels. Circulation, 2009, 119, 857-864.	1.6	51
15	Contribution of both Ca2+ entry and Ca2+ sensitization to the Î±1-adrenergic vasoconstriction of rat penile small arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1157-H1169.	1.5	50
16	Novel approaches to improving endothelium-dependent nitric oxide-mediated vasodilatation. Pharmacological Reports, 2009, 61, 105-115.	1.5	48
17	Nitric Oxide is Involved in the Inhibitory Neurotransmission and Endothelium-Dependent Relaxations of Human Small Penile Arteries. Clinical Science, 1997, 92, 269-275.	1.8	47
18	Functional properties in vitro of systemic small arteries from rabbits fed a cholesterol-rich diet for 12 weeks. Clinical Science, 1991, 80, 119-129.	1.8	43

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19	Measurements of nitric oxide concentration and hyporeactivity in rat superior mesenteric artery exposed to endotoxin. Cardiovascular Research, 2004, 62, 202-211.	1.8	39
20	Role of Calcium-Activated Potassium Channels with Small Conductance in Bradykinin-Induced Vasodilation of Porcine Retinal Arterioles. , 2009, 50, 3819.		39
21	Involvement of Potassium Channels and Calcium-Independent Mechanisms in Hydrogen Sulfide-Induced Relaxation of Rat Mesenteric Small Arteries. Journal of Pharmacology and Experimental Therapeutics, 2015, 356, 53-63.	1.3	38
22	Blunted acetylcholine relaxation and nitric oxide release in arteries from renal hypertensive rats. Journal of Hypertension, 2002, 20, 1571-1579.	0.3	37
23	C-Type Natriuretic Peptide Hyperpolarizes and Relaxes Human Penile Resistance Arteries. Journal of Sexual Medicine, 2008, 5, 1114-1125.	0.3	37
24	Rho kinase is involved in Ca²⁺ entry of rat penile small arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1923-H1932.	1.5	36
25	Calcium-activated potassium channels â€“ a therapeutic target for modulating nitric oxide in cardiovascular disease?. Expert Opinion on Therapeutic Targets, 2010, 14, 825-837.	1.5	36
26	Involvement of ATP in the non-adrenergic non-cholinergic inhibitory neurotransmission of lamb isolated coronary small arteries. British Journal of Pharmacology, 1997, 120, 411-420.	2.7	35
27	Activation of endothelial and epithelial K_{Ca}2.3 calciumâ€activated potassium channels by NS309 relaxes human small pulmonary arteries and bronchioles. British Journal of Pharmacology, 2012, 167, 37-47.	2.7	31
28	Novel selective PDE type 1 inhibitors cause vasodilatation and lower blood pressure in rats. British Journal of Pharmacology, 2017, 174, 2563-2575.	2.7	31
29	Genetic deficit of <scp>K_{Ca}3.1</scp> channels protects against pulmonary circulatory collapse induced by <scp>TRPV</scp>4 channel activation. British Journal of Pharmacology, 2015, 172, 4493-4505.	2.7	28
30	Modulation of Dopaminergic Pathways to Treat Erectile Dysfunction. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 63-74.	1.2	28
31	Ca2+-activated K+ channels in the endothelial cell layer involved in modulation of neurogenic contractions in rat penile arteries. European Journal of Pharmacology, 2003, 474, 103-115.	1.7	23
32	Different modulation by Ca2+ -activated K+ channel blockers and herbimycin of acetylcholine- and flow-evoked vasodilatation in rat mesenteric small arteries. British Journal of Pharmacology, 2003, 138, 1562-1570.	2.7	23
33	Involvement of Largeâ€Conductance <scp>C</scp>a²⁺â€Activated <scp>K</scp>⁺ Channels in both Nitric Oxide and Endotheliumâ€Derived Hyperpolarizationâ€Type Relaxation in Human Penile Small Arteries. Basic and Clinical Pharmacology and Toxicology, 2013, 113, 19-24.	1.2	23
34	Mechanisms involved in extracellular matrix remodeling and arterial stiffness induced by hyaluronan accumulation. Atherosclerosis, 2016, 244, 195-203.	0.4	23
35	Involvement of a glibenclamide-sensitive mechanism in the nitrergic neurotransmission of the pig intravesical ureter. British Journal of Pharmacology, 1997, 120, 609-616.	2.7	22
36	Cardiovascular Effects of Current and Future Anti-Obesity Drugs. Current Vascular Pharmacology, 2014, 12, 493-504.	0.8	22

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37	Regional heterogeneity in the contractile and potentiating effects of neuropeptide Y in rat isolated coronary arteries: modulatory action of the endothelium. British Journal of Pharmacology, 1991, 102, 754-758.	2.7	21
38	Systematic Review of Oral Combination Therapy for Erectile Dysfunction When Phosphodiesterase Type 5 Inhibitor Monotherapy Fails. Sexual Medicine Reviews, 2019, 7, 430-441.	1.5	19
39	Apamin-sensitive K+ channels involved in the inhibition of acetylcholine-induced contractions in lamb coronary small arteries. European Journal of Pharmacology, 1997, 329, 153-163.	1.7	18
40	Lack of synergistic effect of molsidomine and sildenafil on development of pulmonary hypertension in chronic hypoxic rats. European Journal of Pharmacology, 2005, 510, 87-96.	1.7	17
41	Neuropeptide Y2 receptors are involved in enhanced neurogenic vasoconstriction in spontaneously hypertensive rats. British Journal of Pharmacology, 2006, 148, 703-713.	2.7	17
42	A Novel Vasoactive Proline-Rich Oligopeptide from the Skin Secretion of the Frog Brachycephalus ephippium. PLoS ONE, 2015, 10, e0145071.	1.1	17
43	The Combination of Valsartan and Sacubitril in the Treatment of Hypertension and Heart Failure â€“ an Update. Basic and Clinical Pharmacology and Toxicology, 2018, 122, 9-18.	1.2	17
44	Mechanisms of relaxations of bovine isolated bronchioles by the nitric oxide donor, GEA 3175. British Journal of Pharmacology, 1998, 123, 895-905.	2.7	16
45	Non-endothelial endothelin counteracts hypoxic vasodilation in porcine large coronary arteries. BMC Physiology, 2011, 11, 8.	3.6	16
46	Pulmonary Hypertension in Wild Type Mice and Animals with Genetic Deficit in KCa2.3 and KCa3.1 Channels. PLoS ONE, 2014, 9, e97687.	1.1	16
47	Different mechanisms involved in liraglutide and glucagonâ€like peptideâ€1 vasodilatation in rat mesenteric small arteries. British Journal of Pharmacology, 2019, 176, 386-399.	2.7	16
48	Involvement of transglutaminase 2 and voltageâ€gated potassium channels in cystamine vasodilatation in rat mesenteric small arteries. British Journal of Pharmacology, 2016, 173, 839-855.	2.7	15
49	Pressure Myography to Study the Function and Structure of Isolated Small Arteries. Methods in Molecular Biology, 2015, 1339, 277-295.	0.4	15
50	An evaluation of the fixed-dose combination sacubitril/valsartan for the treatment of arterial hypertension. Expert Opinion on Pharmacotherapy, 2020, 21, 1133-1143.	0.9	14
51	Voltage-gated calcium channels are involved in the regulation of calcium oscillations in vascular smooth muscle cells from isolated porcine retinal arterioles. Experimental Eye Research, 2010, 91, 69-75.	1.2	13
52	GYY4137 and Sodium Hydrogen Sulfide Relaxations Are Inhibited by L-Cysteine and KV7 Channel Blockers in Rat Small Mesenteric Arteries. Frontiers in Pharmacology, 2021, 12, 613989.	1.6	13
53	Impaired endothelial calcium signaling is responsible for the defective dilation of mesenteric resistance arteries from db/db mice to acetylcholine. European Journal of Pharmacology, 2015, 767, 17-23.	1.7	12
54	Mechanisms Involved in Thromboxane A₂â€induced Vasoconstriction of Rat Intracavernous Small Penile Arteries. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 86-95.	1.2	12

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55	Transglutaminase 2 Inhibitor LDN 27219 Age-Dependently Lowers Blood Pressure and Improves Endothelium-Dependent Vasodilation in Resistance Arteries. Hypertension, 2021, 77, 216-227.	1.3	12
56	Quetiapine and other antipsychotics combined with opioids in legal autopsy cases: A random finding or cause of fatal outcome?. Basic and Clinical Pharmacology and Toxicology, 2021, 128, 66-79.	1.2	12
57	Biomarkers of necrotising soft tissue infections: aspects of the innate immune response and effects of hyperbaric oxygenation--the protocol of the prospective cohort BIONEC study. BMJ Open, 2015, 5, e006995-e006995.	0.8	11
58	Inhibition of KV7 Channels Protects the Rat Heart against Myocardial Ischemia and Reperfusion Injury. Journal of Pharmacology and Experimental Therapeutics, 2016, 357, 94-102.	1.3	11
59	Small and Intermediate Calcium-Activated Potassium Channel Openers Improve Rat Endothelial and Erectile Function. Frontiers in Pharmacology, 2017, 8, 660.	1.6	11
60	Flowâ€Evoked Vasodilation Is Blunted in Penile Arteries from Zucker Diabetic Fatty Rats. Journal of Sexual Medicine, 2012, 9, 1789-1800.	0.3	10
61	Impact of chronic hypoxia on proximal pulmonary artery wave propagation and mechanical properties in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H1264-H1278.	1.5	10
62	Role for Tyrosine Kinases in Contraction of Rat Penile Small Arteries. Journal of Sexual Medicine, 2010, 7, 2086-2095.	0.3	9
63	Associations of Plasma Nitrite, l-Arginine and Asymmetric Dimethylarginine With Morbidity and Mortality in Patients With Necrotizing Soft Tissue Infections. Shock, 2018, 49, 667-674.	1.0	9
64	Label-Free Multi Parameter Optical Interrogation of Endothelial Activation in Single Cells using a Lab on a Disc Platform. Scientific Reports, 2019, 9, 4157.	1.6	9
65	Endothelial Dysfunction and Passive Changes in the Aorta and Coronary Arteries of Diabetic db/db Mice. Frontiers in Physiology, 2020, 11, 667.	1.3	9
66	Transglutaminase 2 as a novel target in chronic kidney disease â€“ Methods, mechanisms and pharmacological inhibition. , 2021, 222, 107787.		9
67	A new experimental approach in endothelium-dependent pharmacological investigations on isolated porcine coronary arteries mounted for impedance planimetry. British Journal of Pharmacology, 1999, 128, 165-173.	2.7	8
68	Cholinergic regulation along the pulmonary arterial tree of the South American rattlesnake: vascular reactivity, muscarinic receptors, and vagal innervation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2020, 319, R156-R170.	0.9	8
69	Cerebrospinal Fluid from Patients with Subarachnoid Haemorrhage and Vasospasm Enhances Endothelin Contraction in Rat Cerebral Arteries. PLoS ONE, 2015, 10, e0116456.	1.1	7
70	Involvement of hydrogen sulfide in perivascular and hypoxia-induced inhibition of endothelin contraction in porcine retinal arterioles. Nitric Oxide - Biology and Chemistry, 2015, 50, 1-9.	1.2	7
71	Dual impact of a nitric oxide donor, GEA 3175, in human pulmonary smooth muscle. European Journal of Pharmacology, 2005, 516, 78-84.	1.7	6
72	Vascular Reactivity Profile of Novel K_{Ca}3.1â€Selective Positiveâ€Gating Modulators in the Coronary Vascular Bed. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 184-192.	1.2	6

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73	Treatment with 24Âhâ€“delayed normo- and hyperbaric oxygenation in severe sepsis induced by cecal ligation and puncture in rats. Journal of Inflammation, 2017, 14, 27.	1.5	6
74	Effect of ischemic preconditioning and a Kv7 channel blocker on cardiac ischemia-reperfusion injury in rats. European Journal of Pharmacology, 2020, 866, 172820.	1.7	6
75	A validated UHPLC-MS/MS method for rapid determination of senicapoc in plasma samples. Journal of Pharmaceutical and Biomedical Analysis, 2021, 197, 113956.	1.4	6
76	Mechanisms involved in increased sensitivity to adenosine A2A receptor activation and hypoxia-induced vasodilatation in porcine coronary arteries. European Journal of Pharmacology, 2014, 723, 216-226.	1.7	5
77	Down-regulation of KCa2.3 channels causes erectile dysfunction in mice. Scientific Reports, 2017, 7, 3839.	1.6	5
78	Structure-function studies of BPP-BrachyNH2 and synthetic analogues thereof with Angiotensin I-Converting Enzyme. European Journal of Medicinal Chemistry, 2017, 139, 401-411.	2.6	5
79	Sacubitril/valsartan, sodiumâ€glucose cotransporter 2 inhibitors and vericiguat for congestive heart failure therapy. Basic and Clinical Pharmacology and Toxicology, 2022, 130, 425-438.	1.2	5
80	Axial Stretch Modifies Contractility of Porcine Coronary Arteries by a Protein Kinase C-Dependent Mechanism. Basic and Clinical Pharmacology and Toxicology, 2001, 88, 89-97.	0.0	4
81	Treatment with senicapoc, a K_{Ca}3.1 channel blocker, alleviates hypoxaemia in a mouse model of acute respiratory distress syndrome. British Journal of Pharmacology, 2022, 179, 2175-2192.	2.7	4
82	Erectile Dysfunction and Altered Contribution of KCa1.1 and KCa2.3 Channels in the Penile Tissue of Type-2 Diabetic db/db Mice. Journal of Sexual Medicine, 2022, 19, 697-710.	0.3	4
83	Effects of Doxazosin on Functional Alterations of Isolated Coronary Arteries from Cholesterol-fed Rabbits. Journal of Pharmacy and Pharmacology, 2011, 48, 607-614.	1.2	3
84	Activation of Veratridine Sensitive Sodium Channels, But not Electrical Field Stimulation, Dilates Porcine Retinal Arterioles with Preserved Perivascular Tissue. Current Eye Research, 2017, 42, 1497-1502.	0.7	3
85	A sexâ€specific, COXâ€derived/thromboxane receptor activator causes depolarization and vasoconstriction in male mice mesenteric resistance arteries. Basic and Clinical Pharmacology and Toxicology, 2020, 127, 152-159.	1.2	3
86	Pirfenidone Is a Vasodilator: Involvement of KV7 Channels in the Effect on Endothelium-Dependent Vasodilatation in Type-2 Diabetic Mice. Frontiers in Pharmacology, 2020, 11, 619152.	1.6	3
87	Treatment with senicapoc in a porcine model of acute respiratory distress syndrome. Intensive Care Medicine Experimental, 2021, 9, 20.	0.9	3
88	Cystamine Treatment Fails to Prevent the Development of Pulmonary Hypertension in Chronic Hypoxic Rats. Journal of Vascular Research, 2021, 58, 237-251.	0.6	3
89	Senicapoc treatment in <scp>COVID</scp> â€19 Patients with Severe Respiratory Insufficiency â€“ A Randomized, <scp>Openâ€Label</scp> , Phase <scp>II</scp> Trial. Acta Anaesthesiologica Scandinavica, 2022, , .	0.7	3
90	Perivascular adipose tissue: A new possible tissue augmenting coronary vasodilatation in response to acute hypoxia. Acta Physiologica, 2018, 224, e13171.	1.8	2

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91	No guidelines for vascular nerves?. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H681-H682.	1.5	2
92	Negative inotropic and hypotensive effects of the superoxide dismutase mimetic tempol in pigs. European Journal of Pharmacology, 2014, 731, 20-30.	1.7	1
93	Extracellular l-arginine Enhances Relaxations Induced by Opening of Calcium-Activated SKCa Channels in Porcine Retinal Arteriole. International Journal of Molecular Sciences, 2019, 20, 2032.	1.8	1
94	Effect of the KCa3.1 blocker, senicapoc, on cerebral edema and cardiovascular function after cardiac arrest â€" A randomized experimental rat study. Resuscitation Plus, 2021, 6, 100111.	0.6	1
95	Increased cerebral endothelium-dependent vasodilation in rats in the post-cardiac arrest period. Journal of Applied Physiology, 2021, 131, 1311-1327.	1.2	1
96	Echocardiographic screening for pulmonary hypertension in COPD patients. Clinical Respiratory Journal, 2011, 5, 9-9.	0.6	0
97	Novel Aspects of Physiology and Pharmacology Related to the Urogenital Tract. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 3-4.	1.2	0
98	Simultaneous Measurements of Tension and Free H2S in Mesenteric Arteries. Methods in Molecular Biology, 2019, 2007, 125-136.	0.4	0
99	Role of calciumâ€activated potassium channels with small conductance in bradykininâ€induced vasodilation of porcine retinal arterioles. FASEB Journal, 2009, 23, 579.6.	0.2	0
100	SK Ca and IK Ca channels are involved in epitheliumâ€dependent relaxation of rat bronchioles. FASEB Journal, 2009, 23, 580.1.	0.2	0
101	Opening of TRPV4 channels induce relaxation mediated by KCa3.1 channels and nitric oxide synthase in mouse pulmonary arteries. FASEB Journal, 2012, 26, 670.5.	0.2	0
102	EFFECT OF PIRFENIDONE ON ENDOTHELIUM-DEPENDENT VASODILATATION IN TYPE-2 DIABETIC (DB/DB) MICE. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-2-38.	0.0	0
103	Involvement of K Ca 2.3 Channels in Relaxation of Erectile Tissue is Altered in Type 2 Diabetic Mice. FASEB Journal, 2019, 33, 512.7.	0.2	0