Sebastian Albinsson

List of Publications by Year in Descending Order

67 papers	1,777 citations	26 h-index	40 g-index
69 ext. papers	2,006 ext. citations	4.5 avg, IF	4.65 L-index

#	Paper	IF	Citations
67	YAP and TAZ in Vascular Smooth Muscle Confer Protection Against Hypertensive Vasculopathy.. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2022**, ATVBAHA121317365	9.4	0
66	MRTFA overexpression promotes conversion of human coronary artery smooth muscle cells into lipid-laden foam cells. *Vascular Pharmacology*, **2021**, 138, 106837	5.9	1
65	Inducible Deletion of YAP and TAZ in Adult Mouse Smooth Muscle Causes Rapid and Lethal Colonic Pseudo-Obstruction. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**, 11, 623-637	7.9	4
64	New Kids on the Block: The Emerging Role of YAP/TAZ in Vascular Cell Mechanotransduction. *Cardiac and Vascular Biology*, **2021**, 69-96	0.2	
63	miR-126 contributes to the epigenetic signature of diabetic vascular smooth muscle and enhances antirestenosis effects of Kv1.3 blockers. *Molecular Metabolism*, **2021**, 53, 101306	8.8	1
62	Regulation of IRS-1, insulin signaling and glucose uptake by miR-143/145 in vascular smooth muscle cells. *Biochemical and Biophysical Research Communications*, **2020**, 529, 119-125	3.4	6
61	Antagonistic relationship between the unfolded protein response and myocardin-driven transcription in smooth muscle. *Journal of Cellular Physiology*, **2020**, 235, 7370-7382	7	5
60	Adipose cell size changes are associated with a drastic actin remodeling. *Scientific Reports*, **2019**, 9, 12944	4.9	18
59	MicroRNA-dependent regulation of KLF4 by glucose in vascular smooth muscle. *Journal of Cellular Physiology*, **2018**, 233, 7195-7205	7	8
58	The Molecular Basis for Inhibition of Stemlike Cancer Cells by Salinomycin. *ACS Central Science*, **2018**, 4, 760-767	16.8	40
57	Increased Intracellular Lipid Accumulation in Cholesterol Loaded VSMCs upon MRTFA Overexpression. *FASEB Journal*, **2018**, 32, lb286	0.9	
56	Loss of Vascular Myogenic Tone in miR-143/145 Knockout Mice Is Associated With Hypertension-Induced Vascular Lesions in Small Mesenteric Arteries. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 414-424	9.4	21
55	Nexilin/NEXN controls actin polymerization in smooth muscle and is regulated by myocardin family coactivators and YAP. *Scientific Reports*, **2018**, 8, 13025	4.9	9
54	Uremia modulates the phenotype of aortic smooth muscle cells. *Atherosclerosis*, **2017**, 257, 64-70	3.1	11
53	Patients with bicuspid and tricuspid aortic valve exhibit distinct regional microrna signatures in mildly dilated ascending aorta. *Heart and Vessels*, **2017**, 32, 750-767	2.1	31
52	Hypertension reduces soluble guanylyl cyclase expression in the mouse aorta via the Notch signaling pathway. *Scientific Reports*, **2017**, 7, 1334	4.9	31
51	Pyk2 inhibition promotes contractile differentiation in arterial smooth muscle. *Journal of Cellular Physiology*, **2017**, 232, 3088-3102	7	7

50	Endothelial basement membrane laminin 511 is essential for shear stress response. *EMBO Journal*, **2017**, 36, 183-201	13	34
49	Regulation of microRNA expression in vascular smooth muscle by MRTF-A and actin polymerization. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 1088-1098	4.9	12
48	MicroRNA-Dependent Control of Serotonin-Induced Pulmonary Arterial Contraction. *Journal of Vascular Research*, **2017**, 54, 246-256	1.9	5
47	Molecular Regulation of Arterial Aneurysms: Role of Actin Dynamics and microRNAs in Vascular Smooth Muscle. *Frontiers in Physiology*, **2017**, 8, 569	4.6	9
46	Similar regulatory mechanisms of caveolins and cavins by myocardin family coactivators in arterial and bladder smooth muscle. *PLoS ONE*, **2017**, 12, e0176759	3.7	7
45	Assessing the contribution of thrombospondin-4 induction and ATF6 activation to endoplasmic reticulum expansion and phenotypic modulation in bladder outlet obstruction. *Scientific Reports*, **2016**, 6, 32449	4.9	8
44	Elevated Glucose Levels Promote Contractile and Cytoskeletal Gene Expression in Vascular Smooth Muscle via Rho/Protein Kinase C and Actin Polymerization. *Journal of Biological Chemistry*, **2016**, 291, 3552-68	5.4	39
43	Inhibition of Polyamine Uptake Potentiates the Anti-Proliferative Effect of Polyamine Synthesis Inhibition and Preserves the Contractile Phenotype of Vascular Smooth Muscle Cells. *Journal of Cellular Physiology*, **2016**, 231, 1334-42	7	18
42	Emerging roles of the myocardin family of proteins in lipid and glucose metabolism. *Journal of Physiology*, **2016**, 594, 4741-52	3.9	25
41	MicroRNAs in Bladder Outlet Obstruction: Relationship to Growth and Matrix Remodelling. *Basic and Clinical Pharmacology and Toxicology*, **2016**, 119 Suppl 3, 5-17	3.1	11
40	Regulation of smooth muscle dystrophin and synaptopodin 2 expression by actin polymerization and vascular injury. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 1489-97	9.4	27
39	Spontaneous activity and stretch-induced contractile differentiation are reduced in vascular smooth muscle of miR-143/145 knockout mice. *Acta Physiologica*, **2015**, 215, 133-43	5.6	18
38	Detrusor induction of miR-132/212 following bladder outlet obstruction: association with MeCP2 repression and cell viability. *PLoS ONE*, **2015**, 10, e0116784	3.7	18
37	Myocardin Family Members Drive Formation of Caveolae. *PLoS ONE*, **2015**, 10, e0133931	3.7	28
36	Reticulon 4 is necessary for endoplasmic reticulum tubulation, STIM1-Orai1 coupling, and store-operated calcium entry. *Journal of Biological Chemistry*, **2014**, 289, 9380-95	5.4	41
35	Induction of angiotensin-converting enzyme after miR-143/145 deletion is critical for impaired smooth muscle contractility. *American Journal of Physiology - Cell Physiology*, **2014**, 307, C1093-101	5.4	29
34	Expression of microRNAs is essential for arterial myogenic tone and pressure-induced activation of the PI3-kinase/Akt pathway. *Cardiovascular Research*, **2014**, 101, 288-96	9.9	15
33	LKB1 signalling attenuates early events of adipogenesis and responds to adipogenic cues. *Journal of Molecular Endocrinology*, **2014**, 53, 117-30	4.5	16

32	HIF-mediated metabolic switching in bladder outlet obstruction mitigates the relaxing effect of mitochondrial inhibition. *Laboratory Investigation*, **2014**, 94, 557-68	5.9	18
31	PYK2 selectively mediates signals for growth versus differentiation in response to stretch of spontaneously active vascular smooth muscle. *Physiological Reports*, **2014**, 2, e12080	2.6	5
30	Stretch-dependent smooth muscle differentiation in the portal vein-role of actin polymerization, calcium signaling, and microRNAs. *Microcirculation*, **2014**, 21, 230-8	2.9	12
29	Inhibition of microRNA-125a promotes human endothelial cell proliferation and viability through an antiapoptotic mechanism. *Journal of Vascular Research*, **2014**, 51, 239-45	1.9	21
28	Arterial dysfunction but maintained systemic blood pressure in cavin-1-deficient mice. *PLoS ONE*, **2014**, 9, e92428	3.7	26
27	Regulation of vascular smooth muscle mechanotransduction by microRNAs and L-type calcium channels. *Communicative and Integrative Biology*, **2013**, 6, e22278	1.7	15
26	Targeting smooth muscle microRNAs for therapeutic benefit in vascular disease. *Pharmacological Research*, **2013**, 75, 28-36	10.2	45
25	Mir-29 repression in bladder outlet obstruction contributes to matrix remodeling and altered stiffness. *PLoS ONE*, **2013**, 8, e82308	3.7	32
24	Stretch-sensitive down-regulation of the miR-144/451 cluster in vascular smooth muscle and its role in AMP-activated protein kinase signaling. *PLoS ONE*, **2013**, 8, e65135	3.7	30
23	Characterization of smooth muscle microRNA and mRNA genes that are regulated by actin polymerization. *FASEB Journal*, **2013**, 27, 922.7	0.9	
22	Vascular function in cavin-1-deficient mice: role of arginase 1 and dimethylarginine dimethylaminohydrolase 1. *FASEB Journal*, **2013**, 27, 1195.6	0.9	
21	Smooth muscle microRNAs play a crucial role in regulation of myogenic tone in small mesenteric arteries. *FASEB Journal*, **2013**, 27, 922.4	0.9	
20	Smooth muscle microRNAs regulate serotonin-induced contraction in pulmonary and systemic arteries. *FASEB Journal*, **2013**, 27, 1196.1	0.9	
19	Impaired contractility and detrusor hypertrophy in cavin-1-deficient mice. *European Journal of Pharmacology*, **2012**, 689, 179-85	5.3	22
18	Ticagrelor induces adenosine triphosphate release from human red blood cells. *Biochemical and Biophysical Research Communications*, **2012**, 418, 754-8	3.4	68
17	Deletion of Dicer in smooth muscle affects voiding pattern and reduces detrusor contractility and neuroeffector transmission. *PLoS ONE*, **2012**, 7, e35882	3.7	26
16	MicroRNAs are essential for stretch-induced vascular smooth muscle contractile differentiation via microRNA (miR)-145-dependent expression of L-type calcium channels. *Journal of Biological Chemistry*, **2012**, 287, 19199-206	5.4	54
15	Cavin1 deficiency results in abnormal vascular function in mice. *FASEB Journal*, **2012**, 26, 832.11	0.9	

14	Dicer-deletion in the detrusor reduces contractility and expression of L-type Ca2+ channels. *FASEB Journal*, **2012**, 26, 1140.8	0.9	
13	Can microRNAs control vascular smooth muscle phenotypic modulation and the response to injury?. *Physiological Genomics*, **2011**, 43, 529-33	3.6	66
12	Smooth muscle miRNAs are critical for post-natal regulation of blood pressure and vascular function. *PLoS ONE*, **2011**, 6, e18869	3.7	97
11	Knockout of the vascular endothelial glucocorticoid receptor abrogates dexamethasone-induced hypertension. *Journal of Hypertension*, **2011**, 29, 1347-56	1.9	44
10	The role of miRNAs in bladder contractility. *FASEB Journal*, **2011**, 25, lb589	0.9	
9	Distinct effects of voltage- and store-dependent calcium influx on stretch-induced differentiation and growth in vascular smooth muscle. *Journal of Biological Chemistry*, **2010**, 285, 31829-39	5.4	29
8	MicroRNAs are necessary for vascular smooth muscle growth, differentiation, and function. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 1118-26	9.4	201
7	Differential dependence of stretch and shear stress signaling on caveolin-1 in the vascular wall. *American Journal of Physiology - Cell Physiology*, **2008**, 294, C271-9	5.4	39
6	Arterial remodeling and plasma volume expansion in caveolin-1-deficient mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 293, R1222-31	3.2	46
5	Integration of signal pathways for stretch-dependent growth and differentiation in vascular smooth muscle. *American Journal of Physiology - Cell Physiology*, **2007**, 293, C772-82	5.4	43
4	Increased Rho activation and PKC-mediated smooth muscle contractility in the absence of caveolin-1. *American Journal of Physiology - Cell Physiology*, **2006**, 291, C1326-35	5.4	38
3	Stretch-dependent growth and differentiation in vascular smooth muscle: role of the actin cytoskeleton. *Canadian Journal of Physiology and Pharmacology*, **2005**, 83, 869-75	2.4	49
2	Stretch of the vascular wall induces smooth muscle differentiation by promoting actin polymerization. *Journal of Biological Chemistry*, **2004**, 279, 34849-55	5.4	119
1	Stretch-induced contractile differentiation of vascular smooth muscle: sensitivity to actin polymerization inhibitors. *American Journal of Physiology - Cell Physiology*, **2003**, 284, C1387-96	5.4	79