

Sean E Thatcher

List of Publications by Year in descending order

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45
papers

1,865
citations

304701

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265191

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Obesity Promotes Inflammation in Periaortic Adipose Tissue and Angiotensin II-Induced Abdominal Aortic Aneurysm Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1458-1464.	2.4	219
2	Local adipose tissue renin-angiotensin system. <i>Current Hypertension Reports</i> , 2008, 10, 93-98.	3.5	180
3	Angiotensin Converting Enzyme 2 Contributes to Sex Differences in the Development of Obesity Hypertension in C57BL/6 Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1392-1399.	2.4	172
4	ACE2 is expressed in mouse adipocytes and regulated by a high-fat diet. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R781-R788.	1.8	169
5	Adipocyte Deficiency of Angiotensinogen Prevents Obesity-Induced Hypertension in Male Mice. <i>Hypertension</i> , 2012, 60, 1524-1530.	2.7	122
6	The adipose renin-angiotensin system: Role in cardiovascular disease. <i>Molecular and Cellular Endocrinology</i> , 2009, 302, 111-117.	3.2	90
7	Angiotensin-Converting Enzyme 2 Deficiency in Whole Body or Bone Marrow-Derived Cells Increases Atherosclerosis in Low-Density Lipoprotein Receptor ^{−/−} Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 758-765.	2.4	73
8	Transient Exposure of Neonatal Female Mice to Testosterone Abrogates the Sexual Dimorphism of Abdominal Aortic Aneurysms. <i>Circulation Research</i> , 2012, 110, e73-85.	4.5	60
9	ACE2 deficiency reduces β -cell mass and impairs β -cell proliferation in obese C57BL/6 mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E621-E631.	3.5	60
10	Measuring Blood Pressure Using a Noninvasive Tail Cuff Method in Mice. <i>Methods in Molecular Biology</i> , 2017, 1614, 69-73.	0.9	60
11	Administration of 17 β -estradiol to ovariectomized obese female mice reverses obesity-hypertension through an ACE2-dependent mechanism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E1066-E1075.	3.5	57
12	Female Mice With an XY Sex Chromosome Complement Develop Severe Angiotensin II-Induced Abdominal Aortic Aneurysms. <i>Circulation</i> , 2017, 135, 379-391.	1.6	57
13	XX sex chromosome complement promotes atherosclerosis in mice. <i>Nature Communications</i> , 2019, 10, 2631.	12.8	48
14	Angiotensin-Converting Enzyme 2 Decreases Formation and Severity of Angiotensin II-Induced Abdominal Aortic Aneurysms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2617-2623.	2.4	45
15	Castration of male mice prevents the progression of established angiotensin II-induced abdominal aortic aneurysms. <i>Journal of Vascular Surgery</i> , 2015, 61, 767-776.	1.1	45
16	Sex Chromosome Complement Defines Diffuse Versus Focal Angiotensin II-Induced Aortic Pathology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 143-153.	2.4	37
17	Blebbistatin inhibits the chemotaxis of vascular smooth muscle cells by disrupting the myosin II-actin interaction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2060-H2068.	3.2	34
18	Adipocyte deficiency of ACE2 increases systolic blood pressures of obese female C57BL/6 mice. <i>Biology of Sex Differences</i> , 2019, 10, 45.	4.1	33

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19	Differential effects of Mas receptor deficiency on cardiac function and blood pressure in obese male and female mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H459-H468.	3.2	28
20	IKK β is a β -catenin kinase that regulates mesenchymal stem cell differentiation. <i>JCI Insight</i> , 2018, 3, .	5.0	28
21	Deficiency of ACE2 in Bone-Marrow-Derived Cells Increases Expression of TNF- α in Adipose Stromal Cells and Augments Glucose Intolerance in Obese C57BL/6 Mice. <i>International Journal of Hypertension</i> , 2012, 2012, 1-8.	1.3	25
22	Reversal of Bone Marrow Mobilopathy and Enhanced Vascular Repair by Angiotensin-(1-7) in Diabetes. <i>Diabetes</i> , 2017, 66, 505-518.	0.6	25
23	Weight loss in obese C57BL/6 mice limits adventitial expansion of established angiotensin II-induced abdominal aortic aneurysms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H1932-H1938.	3.2	22
24	Intracellular signal transduction for migration and actin remodeling in vascular smooth muscle cells after sphingosylphosphorylcholine stimulation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1262-H1272.	3.2	21
25	Exogenous 17- β estradiol administration blunts progression of established angiotensin II-induced abdominal aortic aneurysms in female ovariectomized mice. <i>Biology of Sex Differences</i> , 2015, 6, 12.	4.1	21
26	Mas receptor deficiency augments angiotensin II-induced atherosclerosis and aortic aneurysm ruptures in hypercholesterolemic male mice. <i>Journal of Vascular Surgery</i> , 2019, 70, 1658-1668.e1.	1.1	20
27	Blebistatin, a myosin II inhibitor, suppresses contraction and disrupts contractile filaments organization of skinned taenia cecum from guinea pig. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 298, C1118-C1126.	4.6	17
28	Deletion of tetraspanin CD151 alters the Wnt oncogene-induced mammary tumorigenesis: A cell type-linked function and signaling. <i>Neoplasia</i> , 2019, 21, 1151-1163.	5.3	14
29	Effects of Aryl Hydrocarbon Receptor Deficiency on PCB-77-Induced Impairment of Glucose Homeostasis during Weight Loss in Male and Female Obese Mice. <i>Environmental Health Perspectives</i> , 2019, 127, 77004.	6.0	13
30	Blood Pressure Monitoring Using Radio Telemetry Method in Mice. <i>Methods in Molecular Biology</i> , 2017, 1614, 75-85.	0.9	10
31	<i>Pseudomonas aeruginosa</i> -derived pyocyanin reduces adipocyte differentiation, body weight, and fat mass as mechanisms contributing to septic cachexia. <i>Food and Chemical Toxicology</i> , 2019, 130, 219-230.	3.6	9
32	Myosin Light Chain Kinase / Actin Interaction in Phorbol Dibutyrate- α -Stimulated Smooth Muscle Cells. <i>Journal of Pharmacological Sciences</i> , 2011, 116, 116-127.	2.5	8
33	Electron microscopic examination of podosomes induced by phorbol 12, 13 dibutyrate on the surface of A7r5 cells. <i>Journal of Pharmacological Sciences</i> , 2015, 128, 78-82.	2.5	7
34	FRET analysis of actin-myosin interaction in contracting rat aortic smooth muscle. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 327-336.	1.4	6
35	Monosomy X in Female Mice Influences the Regional Formation and Augments the Severity of Angiotensin II-Induced Aortopathies. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 269-283.	2.4	6
36	Differential actin isoform reorganization in the contracting A7r5 cell. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 867-875.	1.4	5

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37	A Brief Introduction into the Renin-Angiotensin-Aldosterone System: New and Old Techniques. <i>Methods in Molecular Biology</i> , 2017, 1614, 1-19.	0.9	4
38	Adipocyte-Derived Serum Amyloid A Promotes Angiotensin II-Induced Abdominal Aortic Aneurysms in Obese C57BL/6J Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 632-643.	2.4	4
39	TGF- β^2 Signaling: New Insights Into Aortic Aneurysms. <i>EBioMedicine</i> , 2016, 12, 24-25.	6.1	3
40	Therapeutic Assessment of Combination Therapy with a Neprilysin Inhibitor and Angiotensin Type 1 Receptor Antagonist on Angiotensin II-Induced Atherosclerosis, Abdominal Aortic Aneurysms, and Hypertension. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 326-335.	2.5	3
41	Use of a Fluorescent Substrate to Measure ACE2 Activity in the Mouse Abdominal Aorta. <i>Methods in Molecular Biology</i> , 2017, 1614, 61-67.	0.9	2
42	Sex Differences and the Role of the Renin-Angiotensin System in Atherosclerosis and Abdominal Aortic Aneurysms. , 2019, , 167-184.		2
43	Commentary for Clancy, P et Al., ARBs and ERK activation: New insights on human atherosclerosis. <i>Atherosclerosis</i> , 2014, 236, 131-132.	0.8	1
44	Sexual Dimorphism of Abdominal Aortic Aneurysms. , 2017, , .		0
45	Differential actin isoform reorganization in the contracting A7r5 cell. <i>FASEB Journal</i> , 2006, 20, LB14.	0.5	0