

Michael Sturek

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.

157
papers

4,539
citations

40
h-index

62
g-index

167
ext. papers

5,132
ext. citations

4.1
avg. IF

5.42
L-index

#	Paper	IF	Citations
157	Intracellular Ca Dysregulation in Coronary Smooth Muscle Is Similar in Coronary Disease of Humans and Ossabaw Miniature Swine. <i>Journal of Cardiovascular Translational Research</i> , 2021 , 1	3.3	1
156	The genome of the naturally evolved obesity-prone Ossabaw miniature pig. <i>IScience</i> , 2021 , 24, 103081	6.1	2
155	Swine Disease Models for Optimal Vascular Engineering. <i>Annual Review of Biomedical Engineering</i> , 2020 , 22, 25-49	12	10
154	Guidelines for animal exercise and training protocols for cardiovascular studies. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H1100-H1138	5.2	27
153	Ossabaw Pig Demonstrates Detrusor Fibrosis and Detrusor Underactivity Associated with Oxidative Stress in Metabolic Syndrome. <i>Comparative Medicine</i> , 2020 , 70, 329-334	1.6	1
152	Ossabaw Pig Demonstrates Detrusor Fibrosis and Detrusor Underactivity Associated with Oxidative Stress in Metabolic Syndrome. <i>Comparative Medicine</i> , 2020 , 70, 329-334	1.6	
151	Atherosclerosis imaging with F-sodium fluoride PET: state-of-the-art review. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 1538-1551	8.8	26
150	Highly sensitive lipid detection and localization in atherosclerotic plaque with a dual-frequency intravascular photoacoustic/ultrasound catheter. <i>Translational Biophotonics</i> , 2020 , 2, e202000004	2.2	2
149	Animal Models for COVID-19: More to the Picture Than ACE2, Rodents, Ferrets, and Non-human Primates. A Case for Porcine Respiratory Coronavirus and the Obese Ossabaw Pig. <i>Frontiers in Microbiology</i> , 2020 , 11, 573756	5.7	10
148	Atherosclerosis Imaging with F-Sodium Fluoride PET. <i>Diagnostics</i> , 2020 , 10,	3.8	5
147	Effect of Age on Diabetogenicity of Alloxan in Ossabaw Miniature Swine. <i>Comparative Medicine</i> , 2019 , 69, 114-122	1.6	3
146	Calcium channel Orai1 promotes lymphocyte IL-17 expression and progressive kidney injury. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4951-4961	15.9	27
145	Similar dysfunctional Ca ²⁺ regulation in coronary smooth muscle from explanted human hearts and Ossabaw miniature swine strongly supports the translational relevance of this large animal model. <i>FASEB Journal</i> , 2019 , 33, 689.5	0.9	
144	Robust effect of metabolic syndrome on major metabolic pathways in the myocardium. <i>PLoS ONE</i> , 2019 , 14, e0225857	3.7	5
143	Comparative Quantification of Arterial Lipid by Intravascular Photoacoustic-Ultrasound Imaging and Near-Infrared Spectroscopy-Intravascular Ultrasound. <i>Journal of Cardiovascular Translational Research</i> , 2019 , 12, 211-220	3.3	10
142	Fast assessment of lipid content in arteries in vivo by intravascular photoacoustic tomography. <i>Scientific Reports</i> , 2018 , 8, 2400	4.9	41
141	Alloxan-induced diabetes exacerbates coronary atherosclerosis and calcification in Ossabaw miniature swine with metabolic syndrome. <i>Journal of Translational Medicine</i> , 2018 , 16, 58	8.5	11

140	F-NaF and F-FDG as molecular probes in the evaluation of atherosclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 2190-2200	8.8	67
139	Effect of metabolic syndrome and aging on Ca dysfunction in coronary smooth muscle and coronary artery disease severity in Ossabaw miniature swine. <i>Experimental Gerontology</i> , 2018 , 108, 247-255	4.5	8
138	Effect of metabolic syndrome and aging on coronary artery disease severity and Ca ²⁺ dysregulation in coronary smooth muscle in Ossabaw miniature swine. <i>FASEB Journal</i> , 2018 , 32, 770.16	0.9	
137	Epicardial Adipose Tissue Removal Potentiates Outward Remodeling and Arrests Coronary Atherogenesis. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1622-1630	2.7	25
136	Real-time intravascular photoacoustic-ultrasound imaging of lipid-laden plaque in human coronary artery at 16 frames per second. <i>Scientific Reports</i> , 2017 , 7, 1417	4.9	45
135	Spectral analysis assisted photoacoustic imaging for lipid composition differentiation. <i>Photoacoustics</i> , 2017 , 7, 12-19	9	20
134	Intracellular calcium increases in vascular smooth muscle cells with progression of chronic kidney disease in a rat model. <i>Nephrology Dialysis Transplantation</i> , 2017 , 32, 450-458	4.3	14
133	Long-term spironolactone treatment reduces coronary TRPC expression, vasoconstriction, and atherosclerosis in metabolic syndrome pigs. <i>Basic Research in Cardiology</i> , 2017 , 112, 54	11.8	24
132	(18)F-NaF PET Imaging of Early Coronary Artery Calcification. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 627-634	8.4	28
131	High-sensitivity intravascular photoacoustic imaging of lipid-laden plaque with a collinear catheter design. <i>Scientific Reports</i> , 2016 , 6, 25236	4.9	64
130	Repeat cross-sectional data on the progression of the metabolic syndrome in Ossabaw miniature swine. <i>Data in Brief</i> , 2016 , 7, 1393-5	1.2	3
129	Bond-selective photoacoustic imaging by converting molecular vibration into acoustic waves. <i>Photoacoustics</i> , 2016 , 4, 11-21	9	42
128	Biphasic alterations in coronary smooth muscle Ca ²⁺ regulation in a repeat cross-sectional study of coronary artery disease severity in metabolic syndrome. <i>Atherosclerosis</i> , 2016 , 249, 1-9	3.1	12
127	Metabolic Syndrome Abolishes Glucagon-Like Peptide 1 Receptor Agonist Stimulation of SERCA in Coronary Smooth Muscle. <i>Diabetes</i> , 2015 , 64, 3321-7	0.9	15
126	Effect of renal shock wave lithotripsy on the development of metabolic syndrome in a juvenile swine model: a pilot study. <i>Journal of Urology</i> , 2015 , 193, 1409-16	2.5	8
125	Benefits of exercise training on coronary blood flow in coronary artery disease patients. <i>Progress in Cardiovascular Diseases</i> , 2015 , 57, 443-53	8.5	55
124	High-speed intravascular photoacoustic imaging at 1.7 THz with a KTP-based OPO. <i>Biomedical Optics Express</i> , 2015 , 6, 4557-66	3.5	34
123	Effects of Obesity and Metabolic Syndrome on Steroidogenesis and Folliculogenesis in the Female Ossabaw Mini-Pig. <i>PLoS ONE</i> , 2015 , 10, e0128749	3.7	18

122	Effect of High-Calcium Diet on Coronary Artery Disease in Ossabaw Miniature Swine With Metabolic Syndrome. <i>Journal of the American Heart Association</i> , 2015 , 4, e001620	6	17
121	Liver injury and fibrosis induced by dietary challenge in the Ossabaw miniature Swine. <i>PLoS ONE</i> , 2015 , 10, e0124173	3.7	17
120	A Large Animal Survival Model to Evaluate Bariatric Surgery Mechanisms. <i>Surgical Science</i> , 2015 , 6, 337-345	3.5	2
119	Epicardial adipose excision slows the progression of porcine coronary atherosclerosis. <i>Journal of Cardiothoracic Surgery</i> , 2014 , 9, 2	1.6	52
118	Microparticles produced by the hydrogel template method for sustained drug delivery. <i>International Journal of Pharmaceutics</i> , 2014 , 461, 258-69	6.5	42
117	Development and evaluation of transferrin-stabilized paclitaxel nanocrystal formulation. <i>Journal of Controlled Release</i> , 2014 , 176, 76-85	11.7	76
116	Metabolic syndrome impairs notch signaling and promotes apoptosis in chronically ischemic myocardium. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 1048-55; discussion 1055	1.5	15
115	High-speed intravascular photoacoustic imaging of lipid-laden atherosclerotic plaque enabled by a 2-kHz barium nitrite raman laser. <i>Scientific Reports</i> , 2014 , 4, 6889	4.9	90
114	Evaluating the mechanisms of improved glucose homeostasis after bariatric surgery in Ossabaw miniature swine. <i>Journal of Diabetes Research</i> , 2014 , 2014, 526972	3.9	11
113	Mechanisms underlying capsaicin effects in canine coronary artery: implications for coronary spasm. <i>Cardiovascular Research</i> , 2014 , 103, 607-18	9.9	12
112	Shock wave lithotripsy targeting of the kidney and pancreas does not increase the severity of metabolic syndrome in a porcine model. <i>Journal of Urology</i> , 2014 , 192, 1257-65	2.5	7
111	Effects of diet-induced obesity on metabolic parameters and reproductive function in female Ossabaw minipigs. <i>Comparative Medicine</i> , 2014 , 64, 44-9	1.6	27
110	Augmented Ca ²⁺ -activated Ca ²⁺ influx and voltage-gated Ca ²⁺ entry in coronary vs. peripheral conduit arteries in domestic swine. (LB668). <i>FASEB Journal</i> , 2014 , 28, LB668	0.9	
109	Smooth muscle cell plasticity: fact or fiction?. <i>Circulation Research</i> , 2013 , 112, 17-22	15.7	119
108	Orosomucoid expression profiles in liver, adipose tissues and serum of lean and obese domestic pigs, Göttingen minipigs and Ossabaw minipigs. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 151, 325-30	2	15
107	Flipped classroom model improves graduate student performance in cardiovascular, respiratory, and renal physiology. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2013 , 37, 316-20	1.9	288
106	Label-free quantitative imaging of cholesterol in intact tissues by hyperspectral stimulated Raman scattering microscopy. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13042-6	16.4	70
105	Perivascular adipose tissue potentiates contraction of coronary vascular smooth muscle: influence of obesity. <i>Circulation</i> , 2013 , 128, 9-18	16.7	105

104	Label-Free Quantitative Imaging of Cholesterol in Intact Tissues by Hyperspectral Stimulated Raman Scattering Microscopy. <i>Angewandte Chemie</i> , 2013 , 125, 13280-13284	3.6	12
103	Characterisation of gut microbiota in Ossabaw and Göttingen minipigs as models of obesity and metabolic syndrome. <i>PLoS ONE</i> , 2013 , 8, e56612	3.7	86
102	Decorin mimic inhibits vascular smooth muscle proliferation and migration. <i>PLoS ONE</i> , 2013 , 8, e82456	3.7	23
101	Effect of dietary calcium supplementation on store-operated calcium entry in coronary smooth muscle cells from Ossabaw miniature swine with coronary artery disease. <i>FASEB Journal</i> , 2013 , 27, 1195.7-9	3.9	9
100	An in vitro model of coronary artery disease and the changes in intracellular calcium regulation during its progression.. <i>FASEB Journal</i> , 2013 , 27, lb652	0.9	
99	Effects of GLP-1 receptor agonist on Ca ²⁺ handling in coronary smooth muscle cells from metabolic syndrome Ossabaw swine with coronary artery disease. <i>FASEB Journal</i> , 2013 , 27, 1195.5	0.9	
98	Correction to Drug-Eluting Stent for Delivery of Signal Pathway-Specific 1,3-Dipropyl-8-cyclopentyl Xanthine <i>Molecular Pharmaceutics</i> , 2012 , 9, 3409-3409	5.6	1
97	Contribution of voltage-dependent K ⁺ channels to metabolic control of coronary blood flow. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 912-9	5.8	40
96	Dynamic micro- and macrovascular remodeling in coronary circulation of obese Ossabaw pigs with metabolic syndrome. <i>Journal of Applied Physiology</i> , 2012 , 113, 1128-40	3.7	50
95	Differential Stiffness between Resistance Microvessels and Conduit Arteries in the Coronary Circulation of Ossabaw Swine with Metabolic Syndrome. <i>FASEB Journal</i> , 2012 , 26, 1055.8	0.9	
94	Surgical excision of coronary epicardial adipose tissue provides evidence for its role in coronary artery disease. <i>FASEB Journal</i> , 2012 , 26, 866.19	0.9	
93	Morbid obesity and metabolic syndrome in Ossabaw miniature swine are associated with increased platelet reactivity. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2011 , 4, 99-105	3.4	30
92	Effect of different obesogenic diets on pancreatic histology in Ossabaw miniature swine. <i>Pancreas</i> , 2011 , 40, 438-43	2.6	14
91	The inhibition of platelet adhesion and activation on collagen during balloon angioplasty by collagen-binding peptidoglycans. <i>Biomaterials</i> , 2011 , 32, 2516-23	15.6	27
90	Label-free bond-selective imaging by listening to vibrationally excited molecules. <i>Physical Review Letters</i> , 2011 , 106, 238106	7.4	105
89	Bromo-enol lactone inhibits voltage-gated Ca ²⁺ and transient receptor potential canonical channels. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 339, 329-40	4.7	20
88	Ca ²⁺ regulatory mechanisms of exercise protection against coronary artery disease in metabolic syndrome and diabetes. <i>Journal of Applied Physiology</i> , 2011 , 111, 573-86	3.7	40
87	AMP kinase mutation exacerbates electrocardiographic ST segment elevation in Ossabaw miniature swine during myocardial ischemia. <i>FASEB Journal</i> , 2011 , 25, 1099.6	0.9	

86	Research advisor's checklist. <i>Physiologist</i> , 2011 , 54, 95-9		1
85	Marvels, mysteries, and misconceptions of vascular compensation to peripheral artery occlusion. <i>Microcirculation</i> , 2010 , 17, 3-20	2.9	71
84	Contribution of adenosine A(2A) and A(2B) receptors to ischemic coronary dilation: role of K(V) and K(ATP) channels. <i>Microcirculation</i> , 2010 , 17, 600-7	2.9	61
83	Short-term exercise training prevents micro- and macrovascular disease following coronary stenting. <i>Journal of Applied Physiology</i> , 2010 , 108, 1766-74	3.7	15
82	Epicardial perivascular adipose-derived leptin exacerbates coronary endothelial dysfunction in metabolic syndrome via a protein kinase C-beta pathway. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1711-7	9.4	140
81	Adenosine receptor regulation of coronary blood flow in Ossabaw miniature swine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 335, 781-7	4.7	19
80	Contribution of BK(Ca) channels to local metabolic coronary vasodilation: Effects of metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H966-73	5.2	34
79	Exercise training decreases store-operated Ca ²⁺ entry associated with metabolic syndrome and coronary atherosclerosis. <i>Cardiovascular Research</i> , 2010 , 85, 631-40	9.9	72
78	Metabolic syndrome and coronary artery disease in Ossabaw compared with Yucatan swine. <i>Comparative Medicine</i> , 2010 , 60, 300-15	1.6	105
77	Store-operated Ca ²⁺ influx predicts coronary artery disease and is induced by dyslipidemia in metabolic syndrome and type 2 diabetes. <i>FASEB Journal</i> , 2010 , 24, 978.4	0.9	
76	Coronary artery microvascular narrowing downstream of stent implantation. <i>FASEB Journal</i> , 2010 , 24, 789.6	0.9	
75	Inward coronary artery microvessel remodeling in Ossabaw swine with metabolic syndrome. <i>FASEB Journal</i> , 2010 , 24, 789.3	0.9	
74	Epicardial perivascular adipose tissue exacerbates coronary endothelial dysfunction in metabolic syndrome via leptin-induced activation of PKC- ζ . <i>FASEB Journal</i> , 2010 , 24, 978.5	0.9	
73	Contribution of Adenosine A _{2A} and A _{2B} Receptor Subtypes to Coronary Reactive Hyperemia: Role of KV and KATP Channels. <i>FASEB Journal</i> , 2010 , 24, 1034.8	0.9	
72	Canonical transient receptor potential channels expression is elevated in a porcine model of metabolic syndrome. <i>Molecular Endocrinology</i> , 2009 , 23, 689-99		36
71	Impaired function of coronary BK(Ca) channels in metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H1629-37	5.2	67
70	Altered mechanism of adenosine-induced coronary arteriolar dilation in early-stage metabolic syndrome. <i>Experimental Biology and Medicine</i> , 2009 , 234, 683-92	3.7	46
69	Effects of stent sizing on endothelial and vessel wall stress: potential mechanisms for in-stent restenosis. <i>Journal of Applied Physiology</i> , 2009 , 106, 1686-91	3.7	75

68	Imaging and quantitative analysis of atherosclerotic lesions by CARS-based multimodal nonlinear optical microscopy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1342-8	9.4	83
67	Nutritional model of steatohepatitis and metabolic syndrome in the Ossabaw miniature swine. <i>Hepatology</i> , 2009 , 50, 56-67	11.2	156
66	Diabetic dyslipidemia and exercise alter the plasma low-density lipoproteome in Yucatan pigs. <i>Proteomics</i> , 2009 , 9, 2468-83	4.8	12
65	Drug-eluting stent for delivery of signal pathway-specific 1,3-dipropyl-8-cyclopentyl xanthine. <i>Molecular Pharmaceutics</i> , 2009 , 6, 1110-7	5.6	14
64	Adenosine A2a/b receptor-mediated vasodilation is antagonized by adenosine A1 receptor in coronary circulation of healthy Ossabaw swine. <i>FASEB Journal</i> , 2009 , 23, 1032.9	0.9	
63	Role of Adenosine A1 Receptors and P2Y2 Receptors and ERK1/2 Activation in Coronary Atherosclerosis and In-stent Stenosis. <i>FASEB Journal</i> , 2009 , 23, 593.12	0.9	
62	Adenosine A1 receptors in neointimal hyperplasia and in-stent stenosis in Ossabaw miniature swine. <i>Coronary Artery Disease</i> , 2008 , 19, 27-31	1.4	32
61	Impaired capsaicin-induced relaxation of coronary arteries in a porcine model of the metabolic syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H2489-96	5.2	98
60	Vascular-associated lymphoid tissue in swine (<i>Sus scrofa</i>). <i>Comparative Medicine</i> , 2008 , 58, 168-73	1.6	9
59	Platelets from diabetic pigs exhibit hypersensitivity to thrombin. <i>Comparative Medicine</i> , 2008 , 58, 481-4	1.6	7
58	Expression Level of Canonical Transient Receptor Potential (TRPC) Channels is Increased in the Adrenal Medulla of Ossabaw Miniature Pigs Manifesting the Metabolic Syndrome. <i>FASEB Journal</i> , 2008 , 22, 1201.14	0.9	
57	Increased cholesterol in metabolic syndrome Ossabaw swine precedes store-operated Ca ²⁺ influx and the development of coronary artery disease. <i>FASEB Journal</i> , 2008 , 22, 1152.17	0.9	2
56	Occlusive, diffuse coronary artery disease in Ossabaw miniature swine with metabolic syndrome. <i>FASEB Journal</i> , 2008 , 22, 1152.10	0.9	
55	Increased cholesterol is vital to the development of coronary artery disease and type 2 diabetes in Ossabaw swine. <i>FASEB Journal</i> , 2008 , 22, 1152.18	0.9	
54	Species differences in collaterals arising from femoral artery occlusion: a comparison from mice to men. <i>FASEB Journal</i> , 2008 , 22, 1147.4	0.9	
53	Impaired contribution of voltage-dependent K ⁺ channels to ischemic coronary vasodilation in Ossabaw swine with metabolic syndrome. <i>FASEB Journal</i> , 2008 , 22, 1152.3	0.9	
52	Structural changes in skeletal muscles of Ossabaw miniature swine with metabolic syndrome. <i>FASEB Journal</i> , 2008 , 22, 882.6	0.9	
51	Role of large conductance Ca ²⁺ -activated K ⁺ (BKCa) channels in local metabolic coronary vasodilation in Ossabaw swine with metabolic syndrome. <i>FASEB Journal</i> , 2008 , 22, 1152.4	0.9	

50	Hindlimb collateral growth after superficial femoral artery (SFA) ligation in the Ossabaw pig. <i>FASEB Journal</i> , 2008 , 22, 1147.5	0.9	
49	Metabolic syndrome abolishes A2A receptor and KATP channel involvement in coronary arteriolar dilation to adenosine in Ossabaw swine. <i>FASEB Journal</i> , 2008 , 22, 1226.26	0.9	
48	Detrusor muscle contractility and compliance are impacted by diet in Ossabaw miniature pigs with metabolic syndrome (MetS). <i>FASEB Journal</i> , 2008 , 22, 1164.5	0.9	1
47	Mechanisms of coronary dysfunction in obesity and insulin resistance. <i>Microcirculation</i> , 2007 , 14, 317-38	2.9	58
46	Gender and genetic differences in bladder smooth muscle PPAR mRNA in a porcine model of the metabolic syndrome. <i>Molecular and Cellular Biochemistry</i> , 2007 , 302, 43-9	4.2	14
45	Ossabaw Island Miniature Swine 2007 , 397-402		25
44	Exercise training prevents Ca ²⁺ dysregulation in coronary smooth muscle from diabetic dyslipidemic yucatan swine. <i>Journal of Applied Physiology</i> , 2006 , 101, 752-62	3.7	35
43	Enhancing pork flavor and fat quality with swine raised in sylvan systems: Potential niche-market application for the Ossabaw hog. <i>Renewable Agriculture and Food Systems</i> , 2006 , 21, 183-191	1.8	3
42	AMP kinase gene mutation is consistent with a thrifty phenotype (metabolic syndrome) in a population of feral swine. <i>FASEB Journal</i> , 2006 , 20, A299	0.9	2
41	Cloning and Characterization of the Porcine P2Y ₆ Receptor: Evidence for Gi Protein-mediated Signaling in Coronary Smooth Muscle. <i>FASEB Journal</i> , 2006 , 20, A252	0.9	
40	Coronary artery placenta growth factor expression is reduced by diabetes and hyperlipidemia. <i>FASEB Journal</i> , 2006 , 20, A716	0.9	
39	Diabetic Dyslipidemia and Exercise alter the Plasma Low Density Lipoproteome. <i>FASEB Journal</i> , 2006 , 20, A529	0.9	
38	Reduced expression of leukemia inhibitory factor correlates with coronary atherosclerosis in the metabolic syndrome.. <i>FASEB Journal</i> , 2006 , 20, A698	0.9	0
37	Placenta growth factor expression is regulated by stretch and correlates with microvascular dysfunction and plasma LDL. <i>FASEB Journal</i> , 2006 , 20, A716	0.9	1
36	Components of metabolic syndrome and coronary artery disease in female Ossabaw swine fed excess atherogenic diet. <i>Comparative Medicine</i> , 2006 , 56, 35-45	1.6	139
35	Training-induced sarcoplasmic reticulum Ca ²⁺ unloading occurs without Ca ²⁺ influx. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 1119-25	1.2	7
34	Exercise improves impaired ventricular function and alterations of cardiac myofibrillar proteins in diabetic dyslipidemic pigs. <i>Journal of Applied Physiology</i> , 2005 , 98, 461-7	3.7	24
33	Cell-signaling evidence for adenosine stimulation of coronary smooth muscle proliferation via the A1 adenosine receptor. <i>Circulation Research</i> , 2005 , 97, 574-82	15.7	39

32	Novel mitogenic effect of adenosine on coronary artery smooth muscle cells: role for the A1 adenosine receptor. <i>Circulation Research</i> , 2005 , 96, 982-90	15.7	33
31	Noninvasive measures of body fat percentage in male Yucatan swine. <i>Comparative Medicine</i> , 2005 , 55, 445-51	1.6	15
30	Altered calcium sensitivity contributes to enhanced contractility of collateral-dependent coronary arteries. <i>Journal of Applied Physiology</i> , 2004 , 97, 310-6	3.7	14
29	Cloning, up-regulation, and mitogenic role of porcine P2Y2 receptor in coronary artery smooth muscle cells. <i>Molecular Pharmacology</i> , 2004 , 66, 1265-74	4.3	49
28	Remodeling of coronary arteries in diabetic patients-an intravascular ultrasound study. <i>Echocardiography</i> , 2004 , 21, 139-44	1.5	17
27	Effect of exercise on postprandial lipemia following a higher calorie meal in Yucatan miniature swine. <i>Metabolism: Clinical and Experimental</i> , 2004 , 53, 1021-6	12.7	6
26	C-reactive protein correlates with macrophage accumulation in coronary arteries of hypercholesterolemic pigs. <i>Journal of Applied Physiology</i> , 2003 , 95, 1301-4	3.7	41
25	Gender, exercise training, and eNOS expression in porcine skeletal muscle arteries. <i>Journal of Applied Physiology</i> , 2003 , 95, 250-64	3.7	56
24	Increased calcium buffering in coronary smooth muscle cells from diabetic dyslipidemic pigs. <i>Atherosclerosis</i> , 2003 , 167, 15-23	3.1	20
23	Porcine model of diabetic dyslipidemia: insulin and feed algorithms for mimicking diabetes mellitus in humans. <i>Comparative Medicine</i> , 2003 , 53, 42-52	1.6	25
22	Hyperglycemia-induced insulin resistance in diabetic dyslipidemic Yucatan swine. <i>Comparative Medicine</i> , 2003 , 53, 53-64	1.6	35
21	Pharmacological characterization of a UTP-sensitive P2Y nucleotide receptor in organ cultured coronary arteries. <i>Vascular Pharmacology</i> , 2002 , 39, 83-8	5.9	7
20	Rationale and methods for assessment of coronary flow prior to coronary intervention: where are we headed?. <i>Journal of Interventional Cardiology</i> , 2002 , 15, 335-41	1.8	
19	Functional P2Y2 nucleotide receptors mediate uridine 5'-triphosphate-induced intimal hyperplasia in collared rabbit carotid arteries. <i>Circulation</i> , 2002 , 106, 2720-6	16.7	100
18	Increased atherosclerosis in diabetic dyslipidemic swine: protection by atorvastatin involves decreased VLDL triglycerides but minimal effects on the lipoprotein profile. <i>Journal of Lipid Research</i> , 2002 , 43, 1618-29	6.3	34
17	Endothelin-induced myoplasmic Ca ²⁺ responses and tyrosine phosphorylation in coronary smooth muscle. <i>Journal of Cardiovascular Pharmacology</i> , 2002 , 40, 18-27	3.1	3
16	Retinal capillary basement membrane thickening in a porcine model of diabetes mellitus. <i>Comparative Medicine</i> , 2002 , 52, 523-9	1.6	35
15	Alterations in the oxidative metabolic profile in vascular smooth muscle from hyperlipidemic and diabetic swine. <i>Molecular and Cellular Biochemistry</i> , 2001 , 217, 99-106	4.2	5

14	Functional nucleotide receptor expression and sarcoplasmic reticulum morphology in dedifferentiated porcine coronary smooth muscle cells. <i>Journal of Vascular Research</i> , 2001 , 38, 432-43	1.9	20
13	Endotoxin impairs agonist-stimulated intracellular free calcium (Ca(i)) responses in freshly dispersed aortic endothelial cells. <i>Shock</i> , 2001 , 15, 386-91	3.4	2
12	Effect of atorvastatin on intracellular calcium uptake in coronary smooth muscle cells from diabetic pigs fed an atherogenic diet. <i>Atherosclerosis</i> , 2001 , 159, 117-24	3.1	34
11	Sarcoplasmic reticulum Ca(2+) uptake is impaired in coronary smooth muscle distal to coronary occlusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 281, H223-31	5.2	18
10	Enhanced L-type Ca2+ channel current density in coronary smooth muscle of exercise-trained pigs is compensated to limit myoplasmic free Ca2+ accumulation. <i>Journal of Physiology</i> , 2000 , 528, 435-45	3.9	30
9	Mechanisms of altered contractile responses to vasopressin and endothelin in canine coronary collateral arteries. <i>Circulation</i> , 1997 , 95, 231-9	16.7	12
8	Differences in nitric oxide production in porcine resistance arteries and epicardial conduit coronary arteries. <i>Journal of Cellular Physiology</i> , 1996 , 168, 539-48	7	16
7	Ca2+ Regulation and Endothelial Vascular Function. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1994 , 1, 223-236		43
6	Multiple effects of ryanodine on intracellular free Ca2+ in smooth muscle cells from bovine and porcine coronary artery: modulation of sarcoplasmic reticulum function. <i>British Journal of Pharmacology</i> , 1992 , 105, 903-11	8.6	57
5	Vascular Muscle Calcium Channel Modulation in Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 1989 , 14, S45-S48	3.1	2
4	Measurement of neuronal Ca2+ transients using simultaneous microfluorimetry and electrophysiology. <i>Pflugers Archiv European Journal of Physiology</i> , 1988 , 412, 216-23	4.6	96
3	Calcium channel modulation by dihydropyridines in vascular smooth muscle. <i>Annals of the New York Academy of Sciences</i> , 1988 , 522, 25-31	6.5	24
2	The effect of calcium channel antagonists on peripheral neurones. <i>Annals of the New York Academy of Sciences</i> , 1988 , 522, 269-77	6.5	6
1	Serum and growth factor requirements for proliferation of human adrenocortical cells in culture: comparison with bovine adrenocortical cells. <i>In Vitro</i> , 1983 , 19, 863-9		37