

Shawn B Bender

List of Publications by Citations

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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.

45
papers

1,743
citations

20
h-index

41
g-index

49
ext. papers

1,979
ext. citations

5.6
avg. IF

4.5
L-index

#	Paper	IF	Citations
45	Importance of hemodynamic forces as signals for exercise-induced changes in endothelial cell phenotype. <i>Journal of Applied Physiology</i> , 2008 , 104, 588-600	3.7	254
44	Direct regulation of blood pressure by smooth muscle cell mineralocorticoid receptors. <i>Nature Medicine</i> , 2012 , 18, 1429-33	50.5	240
43	Peripheral circulation. <i>Comprehensive Physiology</i> , 2012 , 2, 321-447	7.7	160
42	Vascular effects of exercise: endothelial adaptations beyond active muscle beds. <i>Physiology</i> , 2011 , 26, 132-45	9.8	144
41	Mineralocorticoid receptor-mediated vascular insulin resistance: an early contributor to diabetes-related vascular disease?. <i>Diabetes</i> , 2013 , 62, 313-9	0.9	122
40	Low-Dose Mineralocorticoid Receptor Blockade Prevents Western Diet-Induced Arterial Stiffening in Female Mice. <i>Hypertension</i> , 2015 , 66, 99-107	8.5	107
39	Endothelial Mineralocorticoid Receptors Differentially Contribute to Coronary and Mesenteric Vascular Function Without Modulating Blood Pressure. <i>Hypertension</i> , 2015 , 66, 988-97	8.5	72
38	Mineralocorticoid receptor antagonism treats obesity-associated cardiac diastolic dysfunction. <i>Hypertension</i> , 2015 , 65, 1082-8	8.5	70
37	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
36	Vascular mineralocorticoid receptor regulates microRNA-155 to promote vasoconstriction and rising blood pressure with aging. <i>JCI Insight</i> , 2016 , 1, e88942	9.9	57
35	Mineralocorticoid receptor blockade prevents Western diet-induced diastolic dysfunction in female mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H1126-35	5.2	52
34	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
33	Regional variation in arterial stiffening and dysfunction in Western diet-induced obesity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H574-82	5.2	41
32	Aldosterone and vascular mineralocorticoid receptors: regulators of ion channels beyond the kidney. <i>Hypertension</i> , 2014 , 63, 632-7	8.5	31
31	Differential vulnerability of skeletal muscle feed arteries to dysfunction in insulin resistance: impact of fiber type and daily activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1434-41	5.2	25
30	Functional adaptations in the skeletal muscle microvasculature to endurance and interval sprint training in the type 2 diabetic OLETF rat. <i>Journal of Applied Physiology</i> , 2012 , 113, 1223-32	3.7	24
29	Experimental animal models of coronary microvascular dysfunction. <i>Cardiovascular Research</i> , 2020 , 116, 756-770	9.9	23

28	Severe familial hypercholesterolemia impairs the regulation of coronary blood flow and oxygen supply during exercise. <i>Basic Research in Cardiology</i> , 2016 , 111, 61	11.8	22
27	Functional contribution of P2Y1 receptors to the control of coronary blood flow. <i>Journal of Applied Physiology</i> , 2011 , 111, 1744-50	3.7	21
26	Quantitative analysis of exercise-induced enhancement of early- and late-systolic retrograde coronary blood flow. <i>Journal of Applied Physiology</i> , 2010 , 108, 507-14	3.7	20
25	Targeting TRAF3IP2 by Genetic and Interventional Approaches Inhibits Ischemia/Reperfusion-induced Myocardial Injury and Adverse Remodeling. <i>Journal of Biological Chemistry</i> , 2017 , 292, 2345-2358	5.4	19
24	The SGLT2 inhibitor Empagliflozin attenuates interleukin-17A-induced human aortic smooth muscle cell proliferation and migration by targeting TRAF3IP2/ROS/NLRP3/Caspase-1-dependent IL-1 β and IL-18 secretion. <i>Cellular Signalling</i> , 2021 , 77, 109825	4.9	19
23	Modulation of endothelial cell phenotype by physical activity: impact on obesity-related endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 309, H1-8	5.2	18
22	Contribution of electromechanical coupling between Kv and Ca v1.2 channels to coronary dysfunction in obesity. <i>Basic Research in Cardiology</i> , 2013 , 108, 370	11.8	16
21	Familial hypercholesterolemia impairs exercise-induced systemic vasodilation due to reduced NO bioavailability. <i>Journal of Applied Physiology</i> , 2013 , 115, 1767-76	3.7	11
20	Reduced contribution of endothelin to the regulation of systemic and pulmonary vascular tone in severe familial hypercholesterolaemia. <i>Journal of Physiology</i> , 2014 , 592, 1757-69	3.9	10
19	Disentangling the Gordian knot of local metabolic control of coronary blood flow. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H11-H24	5.2	9
18	Mineralocorticoid receptors: an appealing target to treat coronary microvascular dysfunction in diabetes. <i>Diabetes</i> , 2015 , 64, 3-5	0.9	8
17	Mineralocorticoid receptor antagonism reverses diabetes-related coronary vasodilator dysfunction: A unique vascular transcriptomic signature. <i>Pharmacological Research</i> , 2018 , 134, 100-108	10.2	8
16	Minocycline reverses IL-17A/TRAF3IP2-mediated p38 MAPK/NF- κ B/iNOS/NO-dependent cardiomyocyte contractile depression and death. <i>Cellular Signalling</i> , 2020 , 73, 109690	4.9	7
15	Aldosterone impairs coronary adenosine-mediated vasodilation via reduced functional expression of Ca-activated K channels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H357-H363	5.2	6
14	Chronic Elevation of Endothelin-1 Alone May Not Be Sufficient to Impair Endothelium-Dependent Relaxation. <i>Hypertension</i> , 2019 , 74, 1409-1419	8.5	6
13	Linking Coronary Microvascular and Cardiac Diastolic Dysfunction in Diabetes: Are Women More Vulnerable?. <i>Diabetes</i> , 2019 , 68, 474-475	0.9	3
12	Reversion inducing cysteine rich protein with Kazal motifs and cardiovascular diseases: The RECKlessness of adverse remodeling. <i>Cellular Signalling</i> , 2021 , 83, 109993	4.9	2
11	DPP4 inhibition mitigates ANG II-mediated kidney immune activation and injury in male mice. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, F505-F517	4.3	1

10	Uncovering a Mineralocorticoid Receptor-Dependent Adipose-Vascular Axis: Implications for Vascular Dysfunction in Obesity?. <i>Diabetes</i> , 2016 , 65, 2127-9	0.9	1
9	Mineralocorticoid receptor blockade normalizes coronary resistance in obese swine independent of functional alterations in K channels. <i>Basic Research in Cardiology</i> , 2021 , 116, 35	11.8	0
8	Differential impact of severe familial hypercholesterolemia on regional skeletal muscle and organ blood flows during exercise: Effects of PDE5 inhibition. <i>Microcirculation</i> , 2019 , 26, e12539	2.9	
7	Endothelium-dependent vasorelaxation and blood pressure are preserved in mice with chronic hyperendothelinemia. <i>FASEB Journal</i> , 2018 , 32, lb327	0.9	
6	Chronically Increased Aldosterone In Vivo Attenuates Coronary Vasodilation to Adenosine. <i>FASEB Journal</i> , 2018 , 32, 579.7	0.9	
5	Deletion of Smooth Muscle, but not Endothelial, Mineralocorticoid Receptors Prevents Obesity-Associated Coronary Vascular Dysfunction in Females. <i>FASEB Journal</i> , 2018 , 32, 579.8	0.9	
4	Differential impact of severe familial hypercholesterolemia on regional skeletal muscle and organ blood flows during exercise: effects of PDE5 inhibition. <i>FASEB Journal</i> , 2019 , 33, lb457	0.9	
3	Prevention of Obesity-Associated Coronary and Cardiac Diastolic Dysfunction by Deletion of Smooth Muscle Cell Mineralocorticoid Receptor in Females. <i>FASEB Journal</i> , 2019 , 33, lb508	0.9	
2	Acetylcholine and insulin-mediated vasodilation in feed arteries and arterioles of rat skeletal muscle of different fiber type composition. <i>FASEB Journal</i> , 2012 , 26, 1142.20	0.9	
1	Contribution of Cav1.2 Channels to Coronary Microvascular Dysfunction in Metabolic Syndrome. <i>FASEB Journal</i> , 2012 , 26, 860.16	0.9	