

Brian P Davidson

List of Publications by Citations

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Version: 2024-04-27

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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.

30
papers

589
citations

14
h-index

23
g-index

33
ext. papers

701
ext. citations

5.9
avg, IF

3.49
L-index

#	Paper	IF	Citations
30	Molecular imaging of inflammation and platelet adhesion in advanced atherosclerosis effects of antioxidant therapy with NADPH oxidase inhibition. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 74-82	3.9	70
29	Ultrasound-mediated vascular gene transfection by cavitation of endothelial-targeted cationic microbubbles. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 1253-62	8.4	58
28	Molecular imaging of the paracrine proangiogenic effects of progenitor cell therapy in limb ischemia. <i>Circulation</i> , 2013 , 127, 710-9	16.7	51
27	Detection of antecedent myocardial ischemia with multiselectin molecular imaging. <i>Journal of the American College of Cardiology</i> , 2012 , 60, 1690-7	15.1	47
26	Augmentation of Muscle Blood Flow by Ultrasound Cavitation Is Mediated by ATP and Purinergic Signaling. <i>Circulation</i> , 2017 , 135, 1240-1252	16.7	44
25	Molecular Imaging of Platelet-Endothelial Interactions and Endothelial von Willebrand Factor in Early and Mid-Stage Atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8, e002765	3.9	43
24	Ultrasound Molecular Imaging of Atherosclerosis Using Small-Peptide Targeting Ligands Against Endothelial Markers of Inflammation and Oxidative Stress. <i>Ultrasound in Medicine and Biology</i> , 2018 , 44, 1155-1163	3.5	24
23	Ischemic memory imaging in nonhuman primates with echocardiographic molecular imaging of selectin expression. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 786-793.e2	5.8	24
22	Temporal characterization of the functional density of the vasa vasorum by contrast-enhanced ultrasonography maximum intensity projection imaging. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 1265-72	8.4	21
21	Epoxyeicosatrienoic acids mediate insulin-mediated augmentation in skeletal muscle perfusion and blood volume. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E1097-104	6	19
20	Contrast-enhanced ultrasound assessment of impaired adipose tissue and muscle perfusion in insulin-resistant mice. <i>Circulation: Cardiovascular Imaging</i> , 2015 , 8,	3.9	18
19	Echocardiographic Ischemic Memory Imaging Through Complement-Mediated Vascular Adhesion of Phosphatidylserine-Containing Microbubbles. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 937-46	8.4	18
18	Real-time contrast ultrasound muscle perfusion imaging with intermediate-power imaging coupled with acoustically durable microbubbles. <i>Journal of the American Society of Echocardiography</i> , 2015 , 28, 718-26.e2	5.8	16
17	Quantification of residual limb skeletal muscle perfusion with contrast-enhanced ultrasound during application of a focal junctional tourniquet. <i>Journal of Vascular Surgery</i> , 2016 , 63, 148-53	3.5	16
16	Renal retention of lipid microbubbles: a potential mechanism for flank discomfort during ultrasound contrast administration. <i>Journal of the American Society of Echocardiography</i> , 2013 , 26, 1474-81	5.8	14
15	Augmentation of Tissue Perfusion in Patients With Peripheral Artery Disease Using Microbubble Cavitation. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 641-651	8.4	14
14	Future applications of contrast echocardiography. <i>Heart</i> , 2012 , 98, 246-53	5.1	13

13	Exercise versus vasodilator stress limb perfusion imaging for the assessment of peripheral artery disease. <i>Echocardiography</i> , 2017 , 34, 1187-1194	1.5	11
12	Assessment of Novel Antioxidant Therapy in Atherosclerosis by Contrast Ultrasound Molecular Imaging. <i>Journal of the American Society of Echocardiography</i> , 2018 , 31, 1252-1259.e1	5.8	9
11	Flow Augmentation in the Myocardium by Ultrasound Cavitation of Microbubbles: Role of Shear-Mediated Purinergic Signaling. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 1023-1031.e2	5.8	8
10	Echocardiographic evaluation of the effects of stem cell therapy on perfusion and function in ischemic cardiomyopathy. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 192-9	5.8	8
9	Lipoprotein Apheresis Acutely Reverses Coronary Microvascular Dysfunction in Patients With Severe Hypercholesterolemia. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1430-1440	8.4	7
8	Contrast Enhanced Ultrasound Perfusion Imaging in Skeletal Muscle. <i>Journal of Cardiovascular Imaging</i> , 2019 , 27, 163-177	1.3	7
7	Coronary Microvascular Dysfunction by Myocardial Contrast Echocardiography in Nonelderly Patients Referred for Computed Tomographic Coronary Angiography. <i>Journal of the American Society of Echocardiography</i> , 2019 , 32, 817-825	5.8	6
6	Functional adaptations of the coronary microcirculation to anaemia in fetal sheep. <i>Journal of Physiology</i> , 2016 , 594, 6165-6174	3.9	5
5	Rest-Stress Limb Perfusion Imaging in Humans with Contrast Ultrasound Using Intermediate-Power Imaging and Microbubbles Resistant to Inertial Cavitation. <i>Journal of the American Society of Echocardiography</i> , 2017 , 30, 503-510.e1	5.8	3
4	Echocardiographic Ischemic Memory Molecular Imaging for Point-of-Care Detection of Myocardial Ischemia. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 1990-2000	15.1	3
3	Limb Perfusion During Exercise Assessed by Contrast Ultrasound Varies According to Symptom Severity in Patients with Peripheral Artery Disease. <i>Journal of the American Society of Echocardiography</i> , 2019 , 32, 1086-1094.e3	5.8	2
2	Plasma Lipidomic Patterns in Patients with Symptomatic Coronary Microvascular Dysfunction. <i>Metabolites</i> , 2021 , 11,	5.6	1
1	Contrast-Enhanced Ultrasound Perfusion Imaging in Peripheral Arterial Disease 2020 , 147-164		