

Charles A Taylor

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,480
citations

471509

17
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

2853
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac computed tomography-derived coronary artery volume to myocardial mass. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, 16, 198-206.	1.3	10
2	Diagnostic performance of fractional flow reserve derived from computed tomography in stented coronary arteries. <i>Journal of Cardiovascular Computed Tomography</i> , 2022, , .	1.3	0
3	Diagnostic value of comprehensive on-site and off-site coronary CT angiography for identifying hemodynamically obstructive coronary artery disease. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 37-45.	1.3	7
4	Differences in coronary vasodilatory capacity and atherosclerosis in endurance athletes using coronary CTA and computational fluid dynamics (CFD): Comparison with a sedentary lifestyle. <i>European Journal of Radiology</i> , 2020, 130, 109168.	2.6	2
5	Impact of sublingual nitroglycerin dosage on FFRCT assessment and coronary luminal volume to myocardial mass ratio. <i>European Radiology</i> , 2019, 29, 6829-6836.	4.5	14
6	Predicting the Physiological Effect of Revascularization in Serially Diseased Coronary Arteries. <i>Circulation: Cardiovascular Interventions</i> , 2019, 12, e007577.	3.9	52
7	Predictive value of targeted proteomics for coronary plaque morphology in patients with suspected coronary artery disease. <i>EBioMedicine</i> , 2019, 39, 109-117.	6.1	42
8	Comparison of Coronary Computed Tomography Angiography, Fractional Flow Reserve, and Perfusion Imaging for Ischemia Diagnosis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 161-173.	2.8	266
9	Identification of High-Risk Plaques Destined to Cause Acute Coronary Syndrome Using Coronary Computed Tomographic Angiography and Computational Fluid Dynamics. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1032-1043.	5.3	188
10	Hypertrophic Cardiomyopathy (HCM): New insights into Coronary artery remodelling and ischemia from FFRCT. <i>Journal of Cardiovascular Computed Tomography</i> , 2018, 12, 467-471.	1.3	17
11	Effect of the ratio of coronary arterial lumen volume to left ventricle myocardial mass derived from coronary CT angiography on fractional flow reserve. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 429-436.	1.3	65
12	FFR Derived From Coronary CT Angiography in Nonculprit Lesions of Patients With Recent STEMI. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 424-433.	5.3	64
13	Impact of Longitudinal Lesion Geometry on Location of Plaque Rupture and Clinical Presentations. <i>JACC: Cardiovascular Imaging</i> , 2017, 10, 677-688.	5.3	39
14	Computational fluid dynamic measures of wall shear stress are related to coronary lesion characteristics. <i>Heart</i> , 2016, 102, 1655-1661.	2.9	84
15	Structural Mechanics Predictions Relating to Clinical Coronary Stent Fracture in a 5 Year Period in FDA MAUDE Database. <i>Annals of Biomedical Engineering</i> , 2016, 44, 391-403.	2.5	33
16	Coronary Computed Tomography Angiography Derived Fractional Flow Reserve and Plaque Stress. <i>Current Cardiovascular Imaging Reports</i> , 2016, 9, 2.	0.6	28
17	Noninvasive Fractional Flow Reserve Derived From Coronary CT Angiography. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1209-1222.	5.3	206
18	Abdominal Aortic Hemodynamics in Intermittent Claudication Patients at Rest and during Dynamic Pedaling Exercise. <i>Annals of Vascular Surgery</i> , 2015, 29, 1516-1523.	0.9	4

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19	Coronary Artery Axial Plaque Stress and its Relationship With Lesion Geometry. JACC: Cardiovascular Imaging, 2015, 8, 1156-1166.	5.3	97
20	Computational Fluid Dynamics Applied to Cardiac Computed Tomography for Noninvasive Quantification of Fractional Flow Reserve. Journal of the American College of Cardiology, 2013, 61, 2233-2241.	2.8	958
21	Evaluating Design of Abdominal Aortic Aneurysm Endografts in a Patient-Specific Model Using Computational Fluid Dynamics. Journal of Medical Devices, Transactions of the ASME, 2011, 5, .	0.7	4
22	The Use of Immunofluorescent Array Tomography to Study the Three-Dimensional Microstructure of Murine Blood Vessels. Cellular and Molecular Bioengineering, 2011, 4, 311-323.	2.1	3
23	Development of a Physical Windkessel Module to Re-Creat In Vivo Vascular Flow Impedance for In Vitro Experiments. Cardiovascular Engineering and Technology, 2011, 2, 2-14.	1.6	38
24	Image-Based Modeling of Blood Flow and Vessel Wall Dynamics: Applications, Methods and Future Directions. Annals of Biomedical Engineering, 2010, 38, 1188-1203.	2.5	220
25	Cardiovascular flow simulation at extreme scale. Computational Mechanics, 2010, 46, 71-82.	4.0	39
26	Influence of vessel roughness on wall shear stress in image-based blood flow modeling. , 2010, , .		0