Habib Samady

List of Publications by Year
in descending order

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221 papers	10,691 citations	50276 46 h-index	36028 97 g-index
253 all docs	253 docs citations	253 times ranked	8676 citing authors

#	Article	IF	Citations
1	Comparison of coronary atherosclerotic plaque progression in East Asians and Caucasians by serial coronary computed tomographic angiography: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2022, 16, 222-229.	1.3	1
2	Association of Plaque Location and Vessel Geometry Determined by Coronary Computed Tomographic Angiography With Future Acute Coronary Syndromeâ€“Causing Culprit Lesions. JAMA Cardiology, 2022, 7, 309.	6.1	13
3	Image-based biomechanical modeling for coronary atherosclerotic plaque progression and vulnerability prediction. International Journal of Cardiology, 2022, 352, 1-8.	1.7	6
4	Functional coronary angiography in symptomatic patients with no obstructive coronary artery disease. Catheterization and Cardiovascular Interventions, 2021, 98, 827-835.	1.7	13
5	A single healthcare experience with Impella RP. Catheterization and Cardiovascular Interventions, 2021, 97, E161-E167.	1.7	10
6	Age- and sex-related features of atherosclerosis from coronary computed tomography angiography in patients prior to acute coronary syndrome: results from the ICONIC study. European Heart Journal Cardiovascular Imaging, 2021, 22, 24-33.	1.2	19
7	Impact of age on coronary artery plaque progression and clinical outcome: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2021, 15, 232-239.	1.3	12
8	The Relationship Between Coronary Calcification and the Natural History of Coronary Artery Disease. JACC: Cardiovascular Imaging, 2021, 14, 233-242.	5.3	44
9	Adverse clinical outcomes in patients undergoing both <scp>PCI</scp> and <scp>TAVR</scp>: Analysis from a pooled <scp>multiâ€center</scp> registry. Catheterization and Cardiovascular Interventions, 2021, 97, 529-539.	1.7	16
10	Successful Long-term Patency of a Complicated Coronary Aneurysm at a Prior Coronary Branch Stent Treated with a Stent Graft and Dedicated Bifurcation Stent. Korean Circulation Journal, 2021, 51, 551.	1.9	0
11	Multi-patient study for coronary vulnerable plaque model comparisons: 2D/3D and fluidâ€“structure interaction simulations. Biomechanics and Modeling in Mechanobiology, 2021, 20, 1383-1397.	2.8	4
12	Effects of chronic kidney disease and declining renal function on coronary atherosclerotic plaque progression: a PARADIGM substudy. European Heart Journal Cardiovascular Imaging, 2021, 22, 1072-1082.	1.2	8
13	Local fluid dynamics in patients with bifurcated coronary lesions undergoing percutaneous coronary interventions. Cardiology Journal, 2021, 28, 321-329.	1.2	18
14	Predicting plaque vulnerability change using intravascular ultrasoundâ€‰+â€‰optical coherence tomography image-based fluidâ€“structure interaction models and machine learning methods with patient follow-up data: a feasibility study. BioMedical Engineering OnLine, 2021, 20, 34.	2.7	10
15	Atherogenic index of plasma and the risk of rapid progression of coronary atherosclerosis beyond traditional risk factors. Atherosclerosis, 2021, 324, 46-51.	0.8	41
16	Optical Coherence Tomography-Based Patient-Specific Residual Multi-Thrombus Coronary Plaque Models With Fluidâ€“Structure Interaction for Better Treatment Decisions: A Biomechanical Modeling Case Study. Journal of Biomechanical Engineering, 2021, 143, .	1.3	2
17	Very late vasomotor responses and gene expression with bioresorbable scaffolds and metallic drugâ€eluting stents. Catheterization and Cardiovascular Interventions, 2021, 98, 723-732.	1.7	1
18	Progression of whole-heart Atherosclerosis by coronary CT and major adverse cardiovascular events. Journal of Cardiovascular Computed Tomography, 2021, 15, 322-330.	1.3	19

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19	Impact of Chronic Kidney Disease on Revascularization and Outcomes in Patients with ST-Elevation Myocardial Infarction. American Journal of Cardiology, 2021, 150, 15-23.	1.6	5
20	Association between Aortic Valve Calcification Progression and Coronary Atherosclerotic Plaque Volume Progression in the PARADIGM Registry. Radiology, 2021, 300, 79-86.	7.3	10
21	Association of Tube Voltage With Plaque Composition on Coronary CT Angiography. JACC: Cardiovascular Imaging, 2021, 14, 2429-2440.	5.3	15
22	Association of Statin Treatment With Progression of Coronary Atherosclerotic Plaque Composition. JAMA Cardiology, 2021, 6, 1257.	6.1	70
23	Using Optical Coherence Tomography and Intravascular Ultrasound Imaging to Quantify Coronary Plaque Cap Stress/Strain and Progression: A Follow-Up Study Using 3D Thin-Layer Models. Frontiers in Bioengineering and Biotechnology, 2021, 9, 713525.	4.1	11
24	Measurement of compensatory arterial remodelling over time with serial coronary computed tomography angiography and 3D metrics. European Heart Journal Cardiovascular Imaging, 2021, , .	1.2	0
25	Topological Data Analysis of Coronary Plaques Demonstrates the Natural History of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2021, 14, 1410-1421.	5.3	16
26	Comparative differences in the atherosclerotic disease burden between the epicardial coronary arteries: quantitative plaque analysis on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 322-330.	1.2	11
27	Association Between Thrombogenicity Indices and Coronary Microvascular Dysfunction in Patients With Acute Myocardial Infarction. JACC Basic To Translational Science, 2021, 6, 749-761.	4.1	10
28	Impact of concomitant treatment of non-chronic total occlusion lesions at the time of chronic total occlusion intervention. International Journal of Cardiology, 2020, 299, 75-80.	1.7	4
29	Differences in Progression to Obstructive Lesions per High-Risk Plaque Features and Plaque Volumes With CCTA. JACC: Cardiovascular Imaging, 2020, 13, 1409-1417.	5.3	58
30	Coupling Advanced Imaging With Computational Vascular Diagnostics. JACC: Cardiovascular Imaging, 2020, 13, 1033-1035.	5.3	0
31	The Impact of Peripheral Artery Disease in Chronic Total Occlusion Percutaneous Coronary Intervention (Insights From PROGRESS-CTO Registry). Angiology, 2020, 71, 274-280.	1.8	6
32	Risk stratification of coronary plaques using physiologic characteristics by CCTA: Focus on shear stress. Journal of Cardiovascular Computed Tomography, 2020, 14, 386-393.	1.3	16
33	Outcomes of subintimal plaque modification in chronic total occlusion percutaneous coronary intervention. Catheterization and Cardiovascular Interventions, 2020, 96, 1029-1035.	1.7	23
34	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2020, 13, 2386-2396.	5.3	26
35	Quantitative assessment of coronary plaque volume change related to triglyceride glucose index: The Progression of AtheRosclerotic PlAque DetermIned by Computed TomoGraphic Angiography IMaging (PARADIGM) registry. Cardiovascular Diabetology, 2020, 19, 113.	6.8	39
36	Using optical coherence tomography and intravascular ultrasound imaging to quantify coronary plaque cap thickness and vulnerability: a pilot study. BioMedical Engineering OnLine, 2020, 19, 90.	2.7	10

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37	Anatomy, Physiology, and Biomechanics. JACC: Cardiovascular Imaging, 2020, 13, 2220-2222.	5.3	1
38	Per-lesion versus per-patient analysis of coronary artery disease in predicting the development of obstructive lesions: the Progression of AtheRosclerotic PlAque DetermIned by Computed TmoGraphic Angiography Imaging (PARADIGM) study. International Journal of Cardiovascular Imaging, 2020, 36, 2357-2364.	1.5	7
39	Association of Cardiovascular Disease Risk Factor Burden With Progression of Coronary Atherosclerosis Assessed by Serial Coronary Computed Tomographic Angiography. JAMA Network Open, 2020, 3, e2011444.	5.9	26
40	A Boosted Ensemble Algorithm for Determination of Plaque Stability in High-Risk Patients on Coronary CTA. JACC: Cardiovascular Imaging, 2020, 13, 2162-2173.	5.3	34
41	Coronary Computed Tomography Angiography From Clinical Uses to Emerging Technologies. Journal of the American College of Cardiology, 2020, 76, 1226-1243.	2.8	140
42	Microvascular Assessment of Ranolazine in Non-Obstructive Atherosclerosis. Circulation: Cardiovascular Interventions, 2020, 13, e008204.	3.9	3
43	TCT CONNECT-41 Impact of Chronic Kidney Disease on Coronary Revascularization and In-Hospital Outcomes in Patients With Acute ST-Segment Elevation Myocardial Infarction. Journal of the American College of Cardiology, 2020, 76, B18.	2.8	0
44	Automatic segmentation of multiple cardiovascular structures from cardiac computed tomography angiography images using deep learning. PLoS ONE, 2020, 15, e0232573.	2.5	23
45	Non-obstructive high-risk plaques increase the risk of future culprit lesions comparable to obstructive plaques without high-risk features: the ICONIC study. European Heart Journal Cardiovascular Imaging, 2020, 21, 973-980.	1.2	26
46	Intensive Training and Real-Time Quality Control by a Physiology Core Laboratory. Circulation: Cardiovascular Interventions, 2020, 13, e009077.	3.9	2
47	Rationale and design of the quantification of myocardial blood flow using dynamic PET/CTA-fused imagery (DEMYSTIFY) to determine physiological significance of specific coronary lesions. Journal of Nuclear Cardiology, 2020, 27, 1030-1039.	2.1	6
48	Machine Learning Framework to Identify Individuals at Risk of Rapid Progression of Coronary Atherosclerosis: From the PARADIGM Registry. Journal of the American Heart Association, 2020, 9, e013958.	3.7	53
49	Association of High-Density Calcified 1K Plaque With Risk of Acute Coronary Syndrome. JAMA Cardiology, 2020, 5, 282.	6.1	90
50	Contemporary Revascularization Dilemmas in Older Adults. Journal of the American Heart Association, 2020, 9, e014477.	3.7	31
51	Percent atheroma volume: Optimal variable to report whole-heart atherosclerotic plaque burden with coronary CTA, the PARADIGM study. Journal of Cardiovascular Computed Tomography, 2020, 14, 400-406.	1.3	29
52	Relationship between high shear stress and OCT-verified thin-cap fibroatheroma in patients with coronary artery disease. PLoS ONE, 2020, 15, e0244015.	2.5	8
53	Machine Learning Model Comparison for Automatic Segmentation of Intracoronary Optical Coherence Tomography and Plaque Cap Thickness Quantification. CMES - Computer Modeling in Engineering and Sciences, 2020, 123, 631-646.	1.1	8
54	Coronary Circulatory Indexes in Non-Infarct-Related Vascular Territories in a Porcine Acute Myocardial InfarctionÂModel. JACC: Cardiovascular Interventions, 2020, 13, 1155-1167.	2.9	9

#	Article	IF	Citations
55	Title is missing!. , 2020, 15, e0244015.		0
56	Title is missing!. , 2020, 15, e0244015.		0
57	Title is missing!. , 2020, 15, e0244015.		0
58	Title is missing!. , 2020, 15, e0244015.		0
59	Title is missing!. , 2020, 15, e0244015.		0
60	Title is missing!. , 2020, 15, e0244015.		0
61	COMPARISON OF THE INCIDENCE, CLINICAL CHARACTERISTICS, AND PROCEDURAL OUTCOMES OF CHRONIC TOTAL OCCLUSION INTERVENTIONS AMONG DIFFERENT TARGET VESSELS: INSIGHTS FROM A CONTEMPORARY MULTICENTER-REGISTRY. Journal of the American College of Cardiology, 2019, 73, 1072.	2.8	0
62	Comparison of Major Adverse Cardiac Events Between Instantaneous Wave-Free Ratio and Fractional Flow Reserveâ€"Guided Strategy in Patients With or Without Type 2 Diabetes. JAMA Cardiology, 2019, 4, 857.	6.1	25
63	Strap In for the Artificial Intelligence Revolution in Interventional Cardiology. JACC: Cardiovascular Interventions, 2019, 12, 1325-1327.	2.9	3
64	Blinded Physiological Assessment of Residual Ischemia After Successful Angiographic Percutaneous CoronaryÂIntervention. JACC: Cardiovascular Interventions, 2019, 12, 1991-2001.	2.9	147
65	Sex Differences in Instantaneous Wave-Free Ratio or Fractional Flow Reserveâ€"Guided Revascularization Strategy. JACC: Cardiovascular Interventions, 2019, 12, 2035-2046.	2.9	26
66	TCT-229 Outcomes of â€œInvestment Proceduresâ€•in Chronic Total Occlusion Interventions. Journal of the American College of Cardiology, 2019, 74, B228.	2.8	0
67	Identification of patients and plaques vulnerable to future coronary events with near-infrared spectroscopy intravascular ultrasound imaging: a prospective, cohort study. Lancet, The, 2019, 394, 1629-1637.	13.7	263
68	Coronary Microvascular Dysfunction Is Associated With Significant Plaque Burden and Diffuse Epicardial Atherosclerotic Disease. JACC: Cardiovascular Interventions, 2019, 12, 1519-1520.	2.9	12
69	Expert recommendations on the assessment of wall shear stress in human coronary arteries: existing methodologies, technical considerations, and clinical applications. European Heart Journal, 2019, 40, 3421-3433.	2.2	178
70	Longitudinal quantitative assessment of coronary plaque progression related to body mass index using serial coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2019, 20, 591-599.	1.2	10
71	A Multimodality Image-Based Fluidâ€"Structure Interaction Modeling Approach for Prediction of Coronary Plaque Progression Using IVUS and Optical Coherence Tomography Data With Follow-Up. Journal of Biomechanical Engineering, 2019, 141, .	1.3	10
72	Robustness of Fractional Flow Reserve for Lesion Assessment in Nonâ€"Infarctâ€Related Arteries of Patients With Myocardial Infarction. Journal of the American Heart Association, 2019, 8, e012456.	3.7	3

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73	Multi-factor decision-making strategy for better coronary plaque burden increase prediction: a patient-specific 3D FSI study using IVUS follow-up data. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1269-1280.	2.8	9
74	Impact of combined plaque structural stress and wall shear stress on coronary plaque progression, regression, and changes in composition. European Heart Journal, 2019, 40, 1411-1422.	2.2	68
75	In-Hospital Outcomes of Chronic Total Occlusion Percutaneous Coronary Interventions in Patients With Prior Coronary Artery Bypass Graft Surgery. Circulation: Cardiovascular Interventions, 2019, 12, e007338.	3.9	23
76	Differential association between the progression of coronary artery calcium score and coronary plaque volume progression according to statins: the Progression of AtheRosclerotic PlAque DetermIned by Computed TomoGraphic Angiography Imaging (PARADIGM) study. European Heart Journal Cardiovascular Imaging, 2019, 20, 1307-1314.	1.2	60
77	Procedural Outcomes of Percutaneous Coronary Interventions for Chronic Total Occlusions Via the Radial Approach. JACC: Cardiovascular Interventions, 2019, 12, 346-358.	2.9	47
78	Usefulness of Atherectomy in Chronic Total Occlusion Interventions (from the PROGRESS-CTO) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54	1.6	28
79	Bulk Flow and Near Wall Hemodynamics of the Rabbit Aortic Arch and Descending Thoracic Aorta: A 4D PC-MRI Derived Computational Fluid Dynamics Study. Journal of Biomechanical Engineering, 2019, 141, .	1.3	6
80	Longitudinal assessment of coronary plaque volume change related to glycemic status using serial coronary computed tomography angiography: A PARADIGM (Progression of AtheRosclerotic PlAque) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Computed Tomography, 2019, 13, 142-147.	1.3	25
81	In Vivo Intravascular Ultrasound-Based 3D Thin-Walled Model for Human Coronary Plaque Progression Study: Transforming Research to Potential Commercialization. International Journal of Computational Methods, 2019, 16, 1842011.	1.3	3
82	A Machine Learning-Based Method for Intracoronary OCT Segmentation and Vulnerable Coronary Plaque Cap Thickness Quantification. International Journal of Computational Methods, 2019, 16, 1842008.	1.3	15
83	Convolution Neural Networks and Support Vector Machines for Automatic Segmentation of Intracoronary Optical Coherence Tomography. MCB Molecular and Cellular Biomechanics, 2019, 16, 153-161.	0.7	7
84	The influence of multidirectional shear stress on plaque progression and composition changes in human coronary arteries. EuroIntervention, 2019, 15, 692-699.	3.2	24
85	Predicting Plaque Progression Using Patient-Specific Fluid-Structure-Interaction Models Based on IVUS and OCT Images with Follow-Up. MCB Molecular and Cellular Biomechanics, 2019, 16, 75-76.	0.7	0
86	Performance of J-CTO and PROGRESS CTO Scores in Predicting Angiographic Success and Long-term Outcomes of Percutaneous Coronary Interventions for Chronic Total Occlusions. American Journal of Cardiology, 2018, 121, 14-20.	1.6	24
87	Ostial right coronary chronic total occlusion: Transesophageal echocardiographic guidance for retrograde aortic reâ€entry. Catheterization and Cardiovascular Interventions, 2018, 91, 1070-1073.	1.7	3
88	TCT-138 Comparison Between Traditional and Guide Catheter Extension Reverse CART: Insights From the PROGRESS-CTO Registry. Journal of the American College of Cardiology, 2018, 72, B59-B60.	2.8	0
89	High Coronary Shear Stress in Patients With Coronary Artery Disease Predicts Myocardial Infarction. Journal of the American College of Cardiology, 2018, 72, 1926-1935.	2.8	124
90	Low Coronary Wall Shear Stress Is Associated With Severe Endothelial Dysfunction in Patients With Nonobstructive Coronary Artery Disease. JACC: Cardiovascular Interventions, 2018, 11, 2072-2080.	2.9	52

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91	TCT-2 Deep IVUS: A machine learning framework for fully automatic IVUS segmentation. Journal of the American College of Cardiology, 2018, 72, B1.	2.8	6
92	TCT-78 Impact of Collateral Channel Type on the Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention. Journal of the American College of Cardiology, 2018, 72, B34-B35.	2.8	0
93	Prevalence and Outcomes of Percutaneous Coronary Interventions for Ostial Chronic Total Occlusions: Insights From a Multicenter Chronic Total Occlusion Registry. Canadian Journal of Cardiology, 2018, 34, 1264-1274.	1.7	14
94	Coronary Atherosclerotic Precursors of Acute Coronary Syndromes. Journal of the American College of Cardiology, 2018, 71, 2511-2522.	2.8	328
95	Coronary and Peripheral Vasomotor Responses to Mental Stress. Journal of the American Heart Association, 2018, 7, .	3.7	33
96	Impact of Non-obstructive left main disease on the progression of coronary artery disease: A PARADIGM substudy. Journal of Cardiovascular Computed Tomography, 2018, 12, 231-237.	1.3	17
97	Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography. JACC: Cardiovascular Imaging, 2018, 11, 1461-1471.	5.3	64
98	Five-Year Outcomes with PCI Guided by Fractional Flow Reserve. New England Journal of Medicine, 2018, 379, 250-259.	27.0	622
99	In-hospital Outcomes of Attempting More Than One Chronic Total Coronary Occlusion Through Percutaneous Intervention During the Same Procedure. American Journal of Cardiology, 2018, 122, 381-387.	1.6	4
100	Percutaneous Coronary Intervention Versus Robotic-Assisted Coronary Artery Bypass for Left Anterior Descending Artery Chronic Total Occlusion. JACC: Cardiovascular Interventions, 2018, 11, 1542-1544.	2.9	1
101	Safety of the Deferral of Coronary Revascularization on the Basis of Instantaneous Wave-Free Ratio and Fractional Flow Reserve Measurements in Stable Coronary Artery Disease and Acute Coronary Syndromes. JACC: Cardiovascular Interventions, 2018, 11, 1437-1449.	2.9	111
102	Quantification of Coronary Atherosclerosis in the Assessment of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2018, 11, e007562.	2.6	81
103	The Interface Between Coronary Physiology and Severe Aortic Stenosis. JACC: Cardiovascular Interventions, 2018, 11, 2041-2043.	2.9	1
104	Effects of Statins on CoronaryÂAtherosclerotic Plaques. JACC: Cardiovascular Imaging, 2018, 11, 1475-1484.	5.3	335
105	Combining IVUS and Optical Coherence Tomography for More Accurate Coronary Cap Thickness Quantification and Stress/Strain Calculations: A Patient-Specific Three-Dimensional Fluid-Structure Interaction Modeling Approach. Journal of Biomechanical Engineering, 2018, 140, .	1.3	26
106	High wall shear stress and high-risk plaque: an emerging concept. International Journal of Cardiovascular Imaging, 2017, 33, 1089-1099.	1.5	96
107	Effects of Residual Stress, Axial Stretch, and Circumferential Shrinkage on Coronary Plaque Stress and Strain Calculations: A Modeling Study Using IVUS-Based Near-Idealized Geometries. Journal of Biomechanical Engineering, 2017, 139, .	1.3	8
108	Oscillatory wall shear stress is a dominant flow characteristic affecting lesion progression patterns and plaque vulnerability in patients with coronary artery disease. Journal of the Royal Society Interface, 2017, 14, 20160972.	3.4	61

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109	Meta-Analysis of Randomized Clinical Trials Comparing Biodegradable Polymer Drug-Eluting Stent to Second-Generation Durable Polymer Drug-Eluting Stents. JACC: Cardiovascular Interventions, 2017, 10, 462-473.	2.9	138
110	Discordance Between Fractional Flow Reserve and Coronary Flow Reserve. JACC: Cardiovascular Interventions, 2017, 10, 999-1007.	2.9	35
111	Percutaneous coronary intervention or coronary artery bypass grafting for unprotected left main coronary artery disease. Catheterization and Cardiovascular Interventions, 2017, 90, 541-552.	1.7	14
112	Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI. New England Journal of Medicine, 2017, 376, 1824-1834.	27.0	742
113	Early coronary angiography in patients resuscitated from out of hospital cardiac arrest without ST-segment elevation: A systematic review and meta-analysis. Resuscitation, 2017, 121, 127-134.	3.0	47
114	The Ongoing Quest to Predict PlaqueÂRupture. JACC: Cardiovascular Imaging, 2017, 10, 1484-1486.	5.3	1
115	Fractional Flow Reserve. JACC: Cardiovascular Interventions, 2017, 10, 1402-1404.	2.9	2
116	The Promise of Vascular Restoration IsÂStillÂAlive. Journal of the American College of Cardiology, 2017, 70, 75-77.	2.8	0
117	Quantify patient-specific coronary material property and its impact on stress/strain calculations using in vivo IVUS data and 3D FSI models: a pilot study. Biomechanics and Modeling in Mechanobiology, 2017, 16, 333-344.	2.8	33
118	Quantification of the focal progression of coronary atherosclerosis through automated co-registration of virtual histology-intravascular ultrasound imaging data. International Journal of Cardiovascular Imaging, 2017, 33, 13-24.	1.5	5
119	The use of hemodynamic support in massive pulmonary embolism. Catheterization and Cardiovascular Interventions, 2017, 90, 516-520.	1.7	17
120	Young Athlete With Complex Aneurysmal Coronary Stenosis. Journal of Invasive Cardiology, 2017, 29, E197-E198.	0.4	0
121	Temporal Trends in Strutâ€Level Optical Coherence Tomography Evaluation of Coronary Stent Coverage. Catheterization and Cardiovascular Interventions, 2016, 88, 1083-1093.	1.7	14
122	Evaluation of a framework for the co-registration of intravascular ultrasound and optical coherence tomography coronary artery pullbacks. Journal of Biomechanics, 2016, 49, 4048-4056.	2.1	13
123	Combination of the Thermodilution-Derived Index of Microcirculatory Resistance and Coronary Flow Reserve IsÂHighly Predictive of Microvascular Obstruction on Cardiac Magnetic Resonance Imaging After ST-Segment Elevation Myocardial Infarction. JACC: Cardiovascular Interventions, 2016, 9, 793-801.	2.9	40
124	Comparison of angiographic and IVUS derived coronary geometric reconstructions for evaluation of the association of hemodynamics with coronary artery disease progression. International Journal of Cardiovascular Imaging, 2016, 32, 1327-1336.	1.5	11
125	Vasomotor Function Comparative Assessment at 1 and 2 Years Following Implantation of the Absorb Everolimus-Eluting Bioresorbable VascularÂScaffold and the Xience VÂEverolimus-Eluting Metallic Stent inÂPorcine Coronary Arteries. JACC: Cardiovascular Interventions, 2016, 9, 728-741.	2.9	26
126	Feasibility of Optical Coherence Tomographyâ€"Derived Computational Fluid Dynamics in Calcified Vessels to Assess Treatment With Orbital Atherectomy. JACC: Cardiovascular Interventions, 2016, 9, e65-e66.	2.9	1

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127	â€œJust Puffâ€• JACC: Cardiovascular Interventions, 2016, 9, 768-770.	2.9	0
128	Coronary Angioplasticity. JACC: Cardiovascular Interventions, 2016, 9, 852-855.	2.9	4
129	Elevated Levels of Serum Fibrin and Fibrinogen Degradation Products Are Independent Predictors of Larger Coronary Plaques and Greater Plaque Necrotic Core. Circulation Journal, 2016, 80, 931-937.	1.6	17
130	Remote ischemic preconditioning in patients undergoing cardiovascular surgery: Evidence from a meta-analysis of randomized controlled trials. International Journal of Cardiology, 2016, 221, 34-41.	1.7	26
131	Optical coherence tomography compared with intravascular ultrasound and with angiography to guide coronary stent implantation (ILUMIEN III: OPTIMIZE PCI): a randomised controlled trial. Lancet, The, 2016, 388, 2618-2628.	13.7	473
132	Response to Letter Regarding Article â€œNovel Biomarker of Oxidative Stress Is Associated With Risk of Death in Patients With Coronary Artery Diseaseâ€• Circulation, 2016, 133, e667.	1.6	4
133	Novel biomarkers of coronary microvascular disease. Future Cardiology, 2016, 12, 497-509.	1.2	8
134	Editorial Commentary: Atherogenesis. Trends in Cardiovascular Medicine, 2016, 26, 548-549.	4.9	0
135	Comprehensive Assessment of Coronary Plaque Progression With Advanced Intravascular Imaging, Physiological Measures, and Wall Shear Stress: A Pilot Doubleâ€Blinded Randomized Controlled Clinical Trial of Nebivolol Versus Atenolol in Nonobstructive Coronary Artery Disease. Journal of the American Heart Association, 2016, 5. .	3.7	23
136	Role of biomechanical forces in the natural history of coronary atherosclerosis. Nature Reviews Cardiology, 2016, 13, 210-220.	13.7	193
137	Progress in Predicting Chronic Total Occlusion Recanalization. JACC: Cardiovascular Interventions, 2016, 9, 10-11.	2.9	1
138	Novel 3-Dimensional Vessel and Scaffold Reconstruction Methodology for the Assessment of Strut-Level Wall Shear Stress After Deployment of BioresorbableÂVascular Scaffolds From the ABSORB III Imaging Substudy. JACC: Cardiovascular Interventions, 2016, 9, 501-503.	2.9	14
139	Novel Biomarker of Oxidative Stress Is Associated With Risk of Death in Patients With Coronary Artery Disease. Circulation, 2016, 133, 361-369.	1.6	115
140	Switching from prasugrel to clopidogrel based on Cytochrome P450 2C19 genotyping in East Asian patients stabilized after acute myocardial infarction. Platelets, 2016, 27, 301-307.	2.3	7
141	Intravascular ultrasound and optical coherence tomography imaging of coronary atherosclerosis. International Journal of Cardiovascular Imaging, 2016, 32, 189-200.	1.5	26
142	Bioresorbable polymeric scaffolds for coronary revascularization: Lessons learnt from ABSORB III, ABSORB China, and ABSORB Japan. Global Cardiology Science & Practice, 2015, 2015, 62.	0.4	8
143	Plasma soluble urokinase-type plasminogen activator receptor level is independently associated with coronary microvascular function in patients with non-obstructive coronary artery disease. Atherosclerosis, 2015, 239, 55-60.	0.8	41
144	Focal Association Between Wall Shear Stress and Clinical Coronary Artery Disease Progression. Annals of Biomedical Engineering, 2015, 43, 94-106.	2.5	44

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145	How to differentiate the etiology of LV dysfunction as to whether it is â€œischemic cardiomyopathyâ€•or â€œdilated non-ischemic cardiomyopathyâ€? Invasive coronary and myocardial assessment is the approach of first choice. Journal of Nuclear Cardiology, 2015, 22, 953-956.	2.1	2
146	Patientsâ€™ views of consent for research enrollment during acute myocardial infarction. Acute Cardiac Care, 2015, 17, 1-4.	0.2	22
147	Circulating CD34 ⁺ Progenitor Cells and Risk of Mortality in a Population With Coronary Artery Disease. Circulation Research, 2015, 116, 289-297.	4.5	102
148	Association of Wall Shear Stress with Coronary Plaque Progression and Transformation. Interventional Cardiology Clinics, 2015, 4, 491-502.	0.4	16
149	Can Advanced Physiological Testing Bridge the Gap Between Chest Pain and Nonobstructive Coronary Atherosclerosis?. JACC: Cardiovascular Interventions, 2015, 8, 1454-1456.	2.9	3
150	Prospective Assessment of the DiagnosticÂAccuracy of Instantaneous Wave-Free Ratio to Assess Coronary Stenosis Relevance. JACC: Cardiovascular Interventions, 2015, 8, 824-833.	2.9	172
151	LDL cholesterol levels and thin cap fibroatheromas: A dynamic andÂcomplex puzzle. Atherosclerosis, 2015, 243, 179-180.	0.8	0
152	Co-localization of Disturbed Flow Patterns and Occlusive Cardiac Allograft Vasculopathy Lesion Formation in Heart Transplant Patients. Cardiovascular Engineering and Technology, 2015, 6, 25-35.	1.6	7
153	Shedding Light on Scaffold Vascular Response. JACC: Cardiovascular Interventions, 2014, 7, 1370-1373.	2.9	1
154	Combination of plaque burden, wall shear stress, and plaque phenotype has incremental value for prediction of coronary atherosclerotic plaque progression and vulnerability. Atherosclerosis, 2014, 232, 271-276.	0.8	105
155	Myocardial Bridging. Journal of the American College of Cardiology, 2014, 63, 2346-2355.	2.8	234
156	Reply. Journal of the American College of Cardiology, 2014, 64, 2179-2181.	2.8	4
157	Appropriate Use Criteria. JACC: Cardiovascular Interventions, 2014, 7, 1010-1013.	2.9	8
158	Novel drug-eluting stents for coronary revascularization. Trends in Cardiovascular Medicine, 2014, 24, 305-313.	4.9	32
159	Prevalence and Characteristics ofÂTCFA and Degree of Coronary Artery Stenosis. Journal of the American College of Cardiology, 2014, 64, 672-680.	2.8	131
160	Diagnostic accuracy of intravascular ultrasoundâ€derived minimal lumen area compared with fractional flow reserveâ€”Metaâ€analysis: Pooled accuracy of IVUS luminal area versus FFR. Catheterization and Cardiovascular Interventions, 2014, 84, 377-385.	1.7	45
161	Myocardial perfusion imaging to guide percutaneous revascularization of chronic total occlusions: A gate keeper to the final frontier in PCI. Journal of Nuclear Cardiology, 2013, 20, 504-505.	2.1	0
162	Does Flow During Rest and Relaxation Suffice?. Journal of the American College of Cardiology, 2013, 61, 1436-1439.	2.8	26

#	Article	IF	Citations
163	Biomechanical Assessment of Fully Bioresorbable Devices. JACC: Cardiovascular Interventions, 2013, 6, 760-761.	2.9	16
164	Colocalization of Low and Oscillatory Coronary Wall Shear Stress With Subsequent Culprit Lesion Resulting in Myocardial Infarction in an Orthotopic Heart Transplant Patient. JACC: Cardiovascular Interventions, 2013, 6, 1210-1211.	2.9	5
165	Drug-Eluting Balloons. JACC: Cardiovascular Interventions, 2013, 6, 577-579.	2.9	5
166	Computational Fluid Dynamics Simulations of Hemodynamics in Plaque Erosion. Cardiovascular Engineering and Technology, 2013, 4, 464-473.	1.6	20
167	Development of Framework to Examine the Focal Association Between Wall Shear Stress and Coronary Artery Disease Progression in the Clinical Setting. , 2013, , .		1
168	A Comprehensive Acute Coronary Syndrome Algorithm for Centers With Percutaneous Coronary Intervention Capability. Critical Pathways in Cardiology, 2013, 12, 141-149.	0.5	3
169	Coronary Microvasculature. Circulation: Cardiovascular Interventions, 2013, 6, 323-325.	3.9	2
170	Fractional flow reserve for the assessment of complex multivessel disease in a patient after hybrid coronary revascularization. Catheterization and Cardiovascular Interventions, 2013, 81, 1169-1173.	1.7	1
171	Framework to Co-register Longitudinal Virtual Histology-Intravascular Ultrasound Data in the Circumferential Direction. IEEE Transactions on Medical Imaging, 2013, 32, 1989-1996.	8.9	20
172	CFD and VH-IVUS Biomechanical Analysis of Coronary Artery Disease With One Year Follow-Up. , 2013, , .		0
173	Association of a Genetic Risk Score With Prevalent and Incident Myocardial Infarction in Subjects Undergoing Coronary Angiography. Circulation: Cardiovascular Genetics, 2012, 5, 441-449.	5.1	40
174	Coronary microvascular dysfunction is associated with higher frequency of thin-cap fibroatheroma. Atherosclerosis, 2012, 223, 384-388.	0.8	42
175	Re-Visiting Consent for Clinical Research on Acute Myocardial Infarction and Other Emergent Conditions. Progress in Cardiovascular Diseases, 2012, 55, 251-257.	3.1	13
176	Association of Coronary Wall Shear Stress With Atherosclerotic Plaque Burden, Composition, and Distribution in Patients With Coronary Artery Disease. Journal of the American Heart Association, 2012, 1, e002543.	3.7	109
177	Correlation of Longitudinal Intravascular Ultrasound Data for the Clinical Assessment of Coronary Artery Disease Progression. , 2012, , .		0
178	Contemporary Clinical Applications of Coronary Intravascular Ultrasound. JACC: Cardiovascular Interventions, 2011, 4, 1155-1167.	2.9	107
179	Localization of culprit lesions in coronary arteries of patients with ST-segment elevation myocardial infarctions: Relation to bifurcations and curvatures. American Heart Journal, 2011, 161, 508-515.	2.7	25
180	The role of plasma aminothiols in the prediction of coronary microvascular dysfunction and plaque vulnerability. Atherosclerosis, 2011, 219, 266-272.	0.8	34

#	Article	IF	Citations
181	Hybrid Coronary Revascularization Versus Off-Pump Coronary Artery Bypass Grafting for the Treatment of Multivessel Coronary Artery Disease. Annals of Thoracic Surgery, 2011, 92, 1695-1702.	1.3	99
182	Intravascular imaging findings in severe coronary vasospasm. Journal of Cardiovascular Medicine, 2011, 12, 578-580.	1.5	3
183	Use of Coronary Physiology in the Catheterization Laboratory to Guide Treatment in Patients With Coronary Artery Disease. Current Treatment Options in Cardiovascular Medicine, 2011, 13, 35-45.	0.9	5
184	Intravascular Imaging Tools in the Cardiac Catheterization Laboratory: Comprehensive Assessment of Anatomy and Physiology. Journal of Cardiovascular Translational Research, 2011, 4, 393-403.	2.4	19
185	SPECT perfusion imaging and myocardial bridges: Bridging the gap of diagnostic uncertainty. Journal of Nuclear Cardiology, 2011, 18, 1000-1002.	2.1	2
186	The Sheer Stress of Straightening the Curves. JACC: Cardiovascular Interventions, 2011, 4, 800-802.	2.9	9
187	Coronary Artery Wall Shear Stress Is Associated With Progression and Transformation of Atherosclerotic Plaque and Arterial Remodeling in Patients With Coronary Artery Disease. Circulation, 2011, 124, 779-788.	1.6	579
188	Geometric and Hemodynamic Evaluation of 3-Dimensional Reconstruction Techniques for the Assessment of Coronary Artery Wall Shear Stress in the Setting of Clinical Disease Progression. , 2011, , .		3
189	Stenting of saphenous vein grafts--a treacherous road to travel. Journal of Invasive Cardiology, 2011, 23, 220-1.	0.4	0
190	Intravascular Ultrasound for Assessment of Coronary Drug-Eluting Stent Deployment. JACC: Cardiovascular Interventions, 2010, 3, 364.	2.9	2
191	Invasive evaluation of patients after reperfused STEMI: One-stop-shop for anatomy and physiology. Journal of Nuclear Cardiology, 2010, 17, 775-777.	2.1	0
192	Comparison of Location of â€œCulprit Lesionsâ€•in Left Anterior Descending Coronary Artery Among Patients With Anterior Wall ST-Segment Elevation Myocardial Infarction Having Ramus Intermedius Coronary Arteries Versus Patients Not Having Such Arteries. American Journal of Cardiology, 2010, 106, 162-166.	1.6	5
193	Shear stress and plaque development. Expert Review of Cardiovascular Therapy, 2010, 8, 545-556.	1.5	142
194	Current Concepts of Integrated Coronary Physiology in the Catheterization Laboratory. Journal of the American College of Cardiology, 2010, 55, 173-185.	2.8	260
195	Baseline Fractional Flow Reserve and Stent Diameter Predict Optimal Post-Stent Fractional Flow Reserve and Major Adverse Cardiac Events After Bare-Metal Stent Deployment. JACC: Cardiovascular Interventions, 2009, 2, 357-363.	2.9	37
196	Can Statins Alter Coronary Plaque Composition Assessed by Radiofrequency Backscatter Intravascular Ultrasound?âŽâŽEditorials published in JACC: Cardiovascular Interventions reflect the views of the authors and do not necessarily represent the views of JACC: Cardiovascular Interventions or the American College of Cardiology.. JACC: Cardiovascular Interventions, 2009, 2, 697-700.	2.9	2
197	Clinical Outcomes after Hybrid Coronary Revascularization versus Off-Pump Coronary Artery Bypass. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2009, 4, 299-306.	0.9	4
198	OF MICE AND MENâ€¦AND A CHINA CONNECTION. , 2009, , 193-202.		0

#	Article	IF	Citations
199	Familial aggregation of left main coronary artery disease and future risk of coronary events in asymptomatic siblings of affected patients. European Heart Journal, 2008, 29, 826-827.	2.2	9
200	Relation Between Wall Shear Stress and Plaque Necrotic Core in the Left Coronary Arteries of Patients Using Intravascular Ultrasound and Computational Fluid Dynamics. , 2008, , .		0
201	Sex-specific effects of diabetes on adverse outcomes after percutaneous coronary intervention: Trends over time. American Heart Journal, 2007, 153, 970-978.	2.7	16
202	Fractional Flow Reserve of Infarct-Related Arteries Identifies Reversible Defects on Noninvasive Myocardial Perfusion Imaging Early After Myocardial Infarction. Journal of the American College of Cardiology, 2006, 47, 2187-2193.	2.8	80
203	Outcome of patients with acute coronary syndromes and moderate coronary lesions undergoing deferral of revascularization based on fractional flow reserve assessment. Catheterization and Cardiovascular Interventions, 2006, 68, 544-548.	1.7	33
204	High left ventricular mass index does not limit the utility of fractional flow reserve for the physiologic assessment of lesion severity. Journal of Invasive Cardiology, 2006, 18, 544-9.	0.4	4
205	Electromechanical Mapping Identifies Improvement in Function and Retention of Contractile Reserve After Revascularization in Ischemic Cardiomyopathy. Circulation, 2004, 110, 2410-2416.	1.6	14
206	Effect of acute myocardial infarction on the utility of fractional flow reserve for the physiologic assessment of the severity of coronary artery narrowing. American Journal of Cardiology, 2004, 93, 1102-1106.	1.6	27
207	Percutaneous treatment of focal vs. diffuse in-stent restenosis: A prospective randomized comparison of conventional therapies. Catheterization and Cardiovascular Interventions, 2004, 61, 344-349.	1.7	11
208	Coronary flow reserve abnormalities in patients with diabetes mellitus who have end-stage renal disease and normal epicardial coronary arteries. American Heart Journal, 2004, 147, 1017-1023.	2.7	103
209	Fractional flow reserve: critical review of an important physiologic adjunct to angiography. American Heart Journal, 2004, 147, 792-802.	2.7	63
210	Electromechanical mapping for detecting myocardial viability and ischemia in patients with severe ischemic cardiomyopathy. American Journal of Cardiology, 2003, 91, 807-811.	1.6	14
211	Detection of myocardial viability by contrast echocardiography in acute infarction predicts recovery of resting function and contractile reserve. Journal of the American College of Cardiology, 2003, 41, 827-833.	2.8	101
212	Incremental value of combined perfusion and function over perfusion alone by gated SPECT myocardial perfusion imaging for detection of severe three-vessel coronary artery disease. Journal of the American College of Cardiology, 2003, 42, 64-70.	2.8	372
213	Evolving Strategies for the Prevention and Treatment of Coronary Restenosis. Seminars in Cardiothoracic and Vascular Anesthesia, 2003, 7, 281-293.	1.0	0
214	Coronary Pressure Measurement After Stenting Predicts Adverse Events at Follow-Up. Circulation, 2002, 105, 2950-2954.	1.6	293
215	Comparison between visual assessment and quantitative angiography versus fractional flow reserve for native coronary narrowings of moderate severity. American Journal of Cardiology, 2002, 90, 210-215.	1.6	198
216	Pharmacologic stress perfusion imaging with adenosine: Role of simultaneous low-level treadmill exercise. Journal of Nuclear Cardiology, 2002, 9, 188-196.	2.1	63

#	Article	IF	Citations
217	Left ventricular inotropic reserve and right ventricular function predict increase of left ventricular ejection fraction after beta-blocker therapy in nonischemic cardiomyopathy. Journal of the American College of Cardiology, 2001, 37, 818-824.	2.8	39
218	Relationship between extent of residual myocardial viability and coronary flow reserve in patients with recent myocardial infarction. American Heart Journal, 2001, 141, 456-462.	2.7	43
219	Fractional Flow Reserve Compared With Intravascular Ultrasound Guidance for Optimizing Stent Deployment. Circulation, 2001, 104, 1917-1922.	1.6	73
220	Failure to Improve Left Ventricular Function After Coronary Revascularization for Ischemic Cardiomyopathy Is Not Associated With Worse Outcome. Circulation, 1999, 100, 1298-1304.	1.6	206
221	Localized intramural drug delivery during balloon angioplasty using hydrogel-coated balloons and pressure-augmented diffusion. Journal of the American College of Cardiology, 1994, 23, 1570-1577.	2.8	71