Armin Arbab-Zadeh

List of Publications by Year
in descending order

116 papers	9,205 citations	53794 45 h-index	39675 94 g-index
121 all docs	121 docs citations	121 times ranked	8687 citing authors

#	Article	IF	Citations
1	Coronary computed tomography angiography in patients with stable coronary artery disease. Trends in Cardiovascular Medicine, 2022, 32, 421-428.	4.9	6
2	The Rising Urgency to Pivot Back Toward Hippocratic Medicine. American Journal of Medicine, 2022, 135, 49-52.	1.5	2
3	The U.S. multi-societal chest pain guideline â€" A quick look into a long-awaited document. Journal of Cardiovascular Computed Tomography, 2022, 16, 1-5.	1.3	5
4	CT imaging with ultra-high-resolution: Opportunities for cardiovascular imaging in clinical practice. Journal of Cardiovascular Computed Tomography, 2022, 16, 388-396.	1.3	16
5	The 2021 AHA/ACC/SCAI Coronary Artery Revascularization Recommendations. , 2022, 1, 100006.		2
6	The Journal of cardiovascular computed tomography: A year in review 2021. Journal of Cardiovascular Computed Tomography, 2022, , .	1.3	1
7	Imaging Assessment of Endothelial Function: An Index of Cardiovascular Health. Frontiers in Cardiovascular Medicine, 2022, 9, 778762.	2.4	9
8	Perivascular fat attenuation for predicting adverse cardiac events in stable patients undergoing invasive coronary angiography. Journal of Cardiovascular Computed Tomography, 2022, 16, 483-490.	1.3	7
9	Acute Kidney Injury After Repeated Exposure to Contrast Material for Coronary Angiography. Mayo Clinic Proceedings Innovations, Quality & Outcomes, 2021, 5, 46-54.	2.4	1
10	Repeat catheter ablation for recurrent atrial fibrillation: Electrophysiologic findings and clinical outcomes. Journal of Cardiovascular Electrophysiology, 2021, 32, 628-638.	1.7	14
11	The Journal of Cardiovascular Computed Tomography: 2020 Year in review. Journal of Cardiovascular Computed Tomography, 2021, 15, 180-189.	1.3	9
12	Prognostic value of noninvasive combined anatomic/functional assessment by cardiac CT in patients with suspected coronary artery disease â€" Comparison with invasive coronary angiography and nuclear myocardial perfusion imaging for the five-year-follow up of the CORE320 multicenter study. Journal of Cardiovascular Computed Tomography, 2021, 15, 485-491.	1.3	9
13	Ablation outcomes for atypical atrial flutter versus recurrent atrial fibrillation following index pulmonary vein isolation. Journal of Cardiovascular Electrophysiology, 2021, 32, 1631-1639.	1.7	3
14	Sex-Specific Plaque Signature: Uniqueness of Atherosclerosis in Women. Current Cardiology Reports, 2021, 23, 84.	2.9	16
15	Coronary Artery Disease Evaluation and Management Considerations for High Risk Occupations: Commercial Vehicle Drivers and Pilots. Circulation: Cardiovascular Interventions, 2021, 14, e009950.	3.9	7
16	The PROMISE and challenges of whole-heart atherosclerosis imaging. Journal of Cardiovascular Computed Tomography, 2021, 15, 331-332.	1.3	2
17	When More Is Better: Underused Advanced Imaging Exams That Can Improve Outcomes and Reduce Cost of Care. American Journal of Medicine, 2021, 134, 848-853.e1.	1.5	8
18	Ultra-High-Resolution Coronary CT Angiography for Assessment of Patients with Severe Coronary Artery Calcification: Initial Experience. Radiology: Cardiothoracic Imaging, 2021, 3, e210053.	2.5	31

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19	Alavi–Carlsen Calcification Score (ACCS): A Simple Measure of Global Cardiac Atherosclerosis Burden. Diagnostics, 2021, 11, 1421.	2.6	12
20	Optical Coherence Tomography of Plaque Vulnerability and Rupture. Journal of the American College of Cardiology, 2021, 78, 1257-1265.	2.8	24
21	Transition from transesophageal echocardiography to cardiac computed tomography for the evaluation of left atrial appendage thrombus prior to atrial fibrillation ablation and incidence of cerebrovascular events during the COVID-19 pandemic. Journal of Cardiovascular Electrophysiology, 2021, 32, 3125-3134.	1.7	5
22	Association of Quantified Costal Cartilage Calcification and Long-Term Cumulative Blood Glucose Exposure: The Multi-Ethnic Study of Atherosclerosis. Frontiers in Endocrinology, 2021, 12, 785957.	3.5	1
23	Does "Vulnerable" Atherosclerotic Plaque Modify Coronary Blood Flow?. JACC: Cardiovascular Imaging, 2020, 13, 757-759.	5.3	7
24	Ischemia and No Obstructive Stenosis (INOCA) at CT Angiography, CT Myocardial Perfusion, Invasive Coronary Angiography, and SPECT: The CORE320 Study. Radiology, 2020, 294, 61-73.	7.3	39
25	High-risk coronary plaque in SLE: low-attenuation non-calcified coronary plaque and positive remodelling index. Lupus Science and Medicine, 2020, 7, e000409.	2.7	14
26	Evaluation and Management of Patients With Stable Angina: Beyond the Ischemia Paradigm. Journal of the American College of Cardiology, 2020, 76, 2252-2266.	2.8	52
27	Comparative effectiveness of coronary artery stenosis and atherosclerotic plaque burden assessment for predicting 30-day revascularization and 2-year major adverse cardiac events. International Journal of Cardiovascular Imaging, 2020, 36, 2365-2375.	1.5	3
28	Should We Adjust Low-Density Lipoprotein Cholesterol Management to the Severity of Coronary Artery Disease?. JACC: Cardiovascular Imaging, 2020, 13, 1973-1975.	5.3	1
29	The Journal of Cardiovascular Computed Tomography year in review – 2019. Journal of Cardiovascular Computed Tomography, 2020, 14, 107-117.	1.3	5
30	Comparative Effectiveness of CT-Derived Atherosclerotic Plaque Metrics for Predicting Myocardial Ischemia. JACC: Cardiovascular Imaging, 2019, 12, 1367-1376.	5.3	23
31	Assessment and Treatment of Patients With Type 2 Myocardial Infarction and Acute Nonischemic Myocardial Injury. Circulation, 2019, 140, 1661-1678.	1.6	207
32	Delayed endothelialization of watchman device identified with cardiac CT. Journal of Cardiovascular Electrophysiology, 2019, 30, 1319-1324.	1.7	19
33	Invasive coronary angiography findings across the CAD-RADS classification spectrum. International Journal of Cardiovascular Imaging, 2019, 35, 1955-1961.	1.5	8
34	From Detecting the Vulnerable Plaque to Managing the Vulnerable Patient. Journal of the American College of Cardiology, 2019, 74, 1582-1593.	2.8	104
35	Noninvasive assessment of coronary atherosclerosis by cardiac computed tomography for risk stratifying patients with suspected coronary heart disease. Journal of Cardiovascular Computed Tomography, 2019, 13, 235-241.	1.3	5
36	Diagnosis of obstructive coronary artery disease using computed tomography angiography in patients with stable chest pain depending on clinical probability and in clinically important subgroups: meta-analysis of individual patient data. BMJ: British Medical Journal, 2019, 365, l1945.	2.3	99

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37	Coronary Calcium Characteristics as Predictors of Major Adverse Cardiac Events in Symptomatic Patients: Insights From the CORE320 Multinational Study. Journal of the American Heart Association, 2019, 8, e007201.	3.7	28
38	Contemporary Discrepancies of Stenosis Assessment by Computed Tomography and Invasive Coronary Angiography. Circulation: Cardiovascular Imaging, 2019, 12, e007720.	2.6	28
39	The Challenge of Effectively Reporting Coronary Angiography Results From Computed Tomography. JACC: Cardiovascular Imaging, 2018, 11, 90-93.	5.3	6
40	Diagnostic accuracy of semi-automatic quantitative metrics as an alternative to expert reading of CT myocardial perfusion in the CORE320 study. Journal of Cardiovascular Computed Tomography, 2018, 12, 212-219.	1.3	4
41	Coronary Atheroma Burden Is the Main Determinant of Patient Outcome. Circulation: Cardiovascular Imaging, 2018, 11, e007992.	2.6	7
42	Relative atherosclerotic plaque volume by CT coronary angiography trumps conventional stenosis assessment for identifying flow-limiting lesions. International Journal of Cardiovascular Imaging, 2017, 33, 1847-1855.	1.5	5
43	Prognostic Value of Combined CT Angiography and Myocardial Perfusion Imaging versus Invasive Coronary Angiography and Nuclear Stress Perfusion Imaging in the Prediction of Major Adverse Cardiovascular Events: The CORE320 Multicenter Study. Radiology, 2017, 284, 55-65.	7.3	74
44	Left atrial appendage occlusion for stroke prevention in patients with atrial fibrillation. Clinical Cardiology, 2017, 40, 825-831.	1.8	7
45	Detection of the Vulnerable Coronary Atherosclerotic Plaqueâ€"Promises and Limitations. Current Cardiovascular Imaging Reports, 2017, 10, 1.	0.6	1
46	Progression of noncalcified and calcified coronary plaque by CT angiography in SLE. Rheumatology International, 2017, 37, 59-65.	3.0	22
47	Impact of iterative reconstruction vs. filtered back projection on image quality in 320-slice CT coronary angiography. Medicine (United States), 2017, 96, e8452.	1.0	20
48	What Will it Take to Retire Invasive Coronary Angiography?. JACC: Cardiovascular Imaging, 2016, 9, 565-567.	5.3	7
49	The Risk Continuum of Atherosclerosis andÂits Implications for Defining CHD byÂCoronary Angiography. Journal of the American College of Cardiology, 2016, 68, 2467-2478.	2.8	84
50	Computed Tomographic Perfusion Improves Diagnostic Power of Coronary Computed Tomographic Angiography in Women. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	18
51	Total coronary atherosclerotic plaque burden assessment by CT angiography for detecting obstructive coronary artery disease associated with myocardial perfusion abnormalities. Journal of Cardiovascular Computed Tomography, 2016, 10, 121-127.	1.3	24
52	What Imaging Characteristics Determine Risk of Myocardial Infarction and Cardiac Death?. Circulation: Cardiovascular Imaging, 2015, 8, e003081.	2.6	5
53	Relationship of left ventricular mass to coronary atherosclerosis and myocardial ischaemia: the CORE320 multicenter study. European Heart Journal Cardiovascular Imaging, 2015, 16, 166-176.	1.2	14
54	Antithrombotic therapy before, during and after transcatheter aortic valve replacement (TAVR). Journal of Thrombosis and Thrombolysis, 2015, 39, 467-473.	2.1	4

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55	The Myth of the "Vulnerable Plaque". Journal of the American College of Cardiology, 2015, 65, 846-855.	2.8	360
56	Reply. Journal of the American College of Cardiology, 2015, 65, 2467-2468.	2.8	0
57	Cardiac CT vs. Stress Testing in Patients with Suspected Coronary Artery Disease: Review and Expert Recommendations. Current Cardiovascular Imaging Reports, 2015, 8, 1.	0.6	18
58	Epicardial fat volume quantification by noncontrast CT: Trimming away the fat from the meat. Journal of Cardiovascular Computed Tomography, 2015, 9, 310-312.	1.3	2
59	Lack of Association Between Epicardial Fat Volume and Extent of Coronary Artery Calcification, Severity of Coronary Artery Disease, or Presence of Myocardial Perfusion Abnormalities in a Diverse, Symptomatic Patient Population. Circulation: Cardiovascular Imaging, 2015, 8, e002676.	2.6	73
60	Females have a blunted cardiovascular response to one year of intensive supervised endurance training. Journal of Applied Physiology, 2015, 119, 37-46.	2.5	96
61	Combined coronary angiography and myocardial perfusion by computed tomography in the identification of flow-limiting stenosis â€" The CORE320 study: An integrated analysis of CT coronary angiography and myocardial perfusion. Journal of Cardiovascular Computed Tomography, 2015, 9, 438-445.	1.3	59
62	Meta-Analysis of the Relation of Body Mass Index to All-Cause and Cardiovascular Mortality and Hospitalization in Patients With Chronic Heart Failure. American Journal of Cardiology, 2015, 115, 1428-1434.	1.6	333
63	Incremental diagnostic accuracy of computed tomography myocardial perfusion imaging over coronary angiography stratified by pre-test probability of coronary artery disease and severity of coronary artery calcification: The CORE320 study. International Journal of Cardiology, 2015, 201, 570-577.	1.7	31
64	Accuracy of Computed Tomographic Angiography and Single-Photon Emission Computed Tomographyâ€"Acquired Myocardial Perfusion Imaging for the Diagnosis of Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2015, 8, e003533.	2.6	49
65	Abstract 16606: 30-day and 2-year Prognostic Information of Total Atheroma Volume, Segment Stenosis Score, and Traditional Coronary Artery Stenosis Assessment by CT Angiography - Results From the CORE320 International Study. Circulation, 2015, 132, .	1.6	0
66	Nuclear Stress Perfusion Imaging Versus Computed Tomography Coronary Angiography for Identifying Patients with Obstructive Coronary Artery Disease as Defined by Conventional Angiography: Insights from the CorE-64 Multicenter Study. Heart International, 2014, 9, HEART.2014.1249.	1.4	4
67	Computed tomography angiography and perfusion to assess coronary artery stenosis causing perfusion defects by single photon emission computed tomography: the CORE320 study. European Heart Journal, 2014, 35, 1120-1130.	2.2	385
68	Myocardial CT Perfusion Imaging and SPECT for the Diagnosis of Coronary Artery Disease: A Head-to-Head Comparison from the CORE320 Multicenter Diagnostic Performance Study. Radiology, 2014, 272, 407-416.	7.3	112
69	Role of Oral Factor Xa Inhibitors after Acute Coronary Syndrome. Cardiology, 2014, 129, 224-232.	1.4	8
70	Meta-Analysis of Global Left Ventricular Function Comparing Multidetector Computed Tomography With Cardiac Magnetic Resonance Imaging. American Journal of Cardiology, 2014, 113, 731-738.	1.6	29
71	Fractional Flow Reserveâ€"Guided Percutaneous Coronary Intervention Is Not a Valid Concept. Circulation, 2014, 129, 1871-1878.	1.6	25
72	Cardiac Remodeling in Response to 1 Year of Intensive Endurance Training. Circulation, 2014, 130, 2152-2161.	1.6	241

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73	Relationship of Body Mass Index With Total Mortality, Cardiovascular Mortality, and Myocardial Infarction After Coronary Revascularization: Evidence From a Meta-analysis. Mayo Clinic Proceedings, 2014, 89, 1080-1100.	3.0	88
74	Risk of Atrial Fibrillation With Use of Oral and Intravenous Bisphosphonates. American Journal of Cardiology, 2014, 113, 1815-1821.	1.6	50
75	Diagnosis of left ventricular pseudoaneurysm by cardiac CT angiography. Journal of Cardiovascular Computed Tomography, 2014, 8, 246-247.	1.3	4
76	Nuclear stress perfusion imaging versus computed tomography coronary angiography for identifying patients with obstructive coronary artery disease as defined by conventional angiography: insights from the CorE-64 multicenter study. Heart International, 2014, 9, 1-6.	1.4	4
77	Access site bleeding after transcatheter aortic valve implantation. Journal of Thrombosis and Thrombolysis, 2013, 35, 463-468.	2.1	10
78	Risk of Serious Atrial Fibrillation and Stroke With Use of Bisphosphonates. Chest, 2013, 144, 1311-1322.	0.8	50
79	Predictors of Inaccurate Coronary Arterial Stenosis Assessment by CT Angiography. JACC: Cardiovascular Imaging, 2013, 6, 963-972.	5.3	56
80	Patterns of coronary arterial lesion calcification by a novel, cross-sectional CT angiographic assessment. International Journal of Cardiovascular Imaging, 2013, 29, 1619-1627.	1.5	17
81	Potential Role of Coronary Computed Tomography-Angiography for Guiding Perioperative Cardiac Management for Non-Cardiac Surgery. Heart International, 2013, 8, hi.2013.e1.	1.4	1
82	Computed Tomography Myocardial Perfusion Imaging With 320-Row Detector Computed Tomography Accurately Detects Myocardial Ischemia in Patients With Obstructive Coronary Artery Disease. Circulation: Cardiovascular Imaging, 2012, 5, 333-340.	2.6	159
83	Acute Coronary Events. Circulation, 2012, 125, 1147-1156.	1.6	244
84	Aligning Coronary Anatomy and Myocardial Perfusion Territories. Circulation: Cardiovascular Imaging, 2012, 5, 587-595.	2.6	64
85	Stress Testing and Non-Invasive Coronary Angiography in Patients with Suspected Coronary Artery Disease: Time for a New Paradigm. Heart International, 2012, 7, hi.2012.e2.	1.4	54
86	Semiquantified Noncalcified Coronary Plaque in Systemic Lupus Erythematosus. Journal of Rheumatology, 2012, 39, 2286-2293.	2.0	26
87	State-of-the-art in CT hardware and scan modes for cardiovascular CT. Journal of Cardiovascular Computed Tomography, 2012, 6, 154-163.	1.3	62
88	Diagnostic Accuracy of Computed Tomography Coronary Angiography According to Pre-Test Probability of Coronary Artery Disease and Severity of Coronary Arterial Calcification. Journal of the American College of Cardiology, 2012, 59, 379-387.	2.8	222
89	Influence of Image Acquisition Settings on Radiation Dose and Image Quality in Coronary Angiography by 320-Detector Volume Computed Tomography: The CORE320 Pilot Experience. Heart International, 2012, 7, hi.2012.e11.	1.4	14
90	Assessment of coronary heart disease by CT angiography: Current and evolving applications. Journal of Nuclear Cardiology, 2012, 19, 796-806.	2.1	21

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91	A stepwise approach to the visual interpretation of CT-based myocardial perfusion. Journal of Cardiovascular Computed Tomography, 2011, 5, 357-369.	1.3	62
92	Diagnostic performance of combined noninvasive coronary angiography and myocardial perfusion imaging using 320 row detector computed tomography: design and implementation of the CORE320 multicenter, multinational diagnostic study. Journal of Cardiovascular Computed Tomography, 2011, 5, 370-381.	1.3	77
93	Quantification of Coronary Arterial Stenoses by Multidetector CT Angiography in Comparison With Conventional Angiography. JACC: Cardiovascular Imaging, 2011, 4, 191-202.	5.3	97
94	Coronary Artery Stenoses: Accuracy of 64â€"Detector Row CT Angiography in Segments with Mild, Moderate, or Severe Calcificationâ€"A Subanalysis of the CORE-64 Trial. Radiology, 2011, 261, 100-108.	7.3	136
95	Diagnostic Performance of Combined Noninvasive Coronary Angiography and Myocardial Perfusion Imaging Using 320-MDCT: The CT Angiography and Perfusion Methods of the CORE320 Multicenter Multinational Diagnostic Study. American Journal of Roentgenology, 2011, 197, 829-837.	2.2	113
96	Abnormal haemodynamic response to exercise in heart failure with preserved ejection fraction. European Journal of Heart Failure, 2011, 13, 1296-1304.	7.1	196
97	Characterization of Static and Dynamic Left Ventricular Diastolic Function in Patients With Heart Failure With a Preserved Ejection Fraction. Circulation: Heart Failure, 2010, 3, 617-626.	3.9	99
98	Cardiovascular Effects of 1 Year of Progressive and Vigorous Exercise Training in Previously Sedentary Individuals Older Than 65 Years of Age. Circulation, 2010, 122, 1797-1805.	1.6	182
99	Characterization and Correction of Beam-hardening Artifacts during Dynamic Volume CT Assessment of Myocardial Perfusion. Radiology, 2010, 256, 111-118.	7.3	118
100	Assessment of In-Stent Restenosis Using 64-MDCT: Analysis of the CORE-64 Multicenter International Trial. American Journal of Roentgenology, 2010, 194, 85-92.	2.2	36
101	Patient Characteristics as Predictors of Image Quality and Diagnostic Accuracy of MDCT Compared With Conventional Coronary Angiography for Detecting Coronary Artery Stenoses: CORE-64 Multicenter International Trial. American Journal of Roentgenology, 2010, 194, 93-102.	2.2	94
102	The Absence of Coronary Calcification Does Not Exclude Obstructive Coronary Artery Disease or the Need for Revascularization in Patients Referred for Conventional Coronary Angiography. Journal of the American College of Cardiology, 2010, 55, 627-634.	2.8	268
103	The Effect of Acute Hypoxemia on Coronary Arterial Dimensions in Patients with Coronary Artery Disease. Cardiology, 2009, 113, 149-154.	1.4	12
104	Adenosine Stress 64- and 256-Row Detector Computed Tomography Angiography and Perfusion Imaging. Circulation: Cardiovascular Imaging, 2009, 2, 174-182.	2.6	305
105	Correlation of Left Atrial Diameter by Echocardiography and Left Atrial Volume by Computed Tomography. Journal of Cardiovascular Electrophysiology, 2009, 20, 159-163.	1.7	80
106	Does Left Atrial Volume and Pulmonary Venous Anatomy Predict the Outcome of Catheter Ablation of Atrial Fibrillation?. Journal of Cardiovascular Electrophysiology, 2009, 20, 1005-1010.	1.7	157
107	Coronary CT angiography using 64 detector rows: methods and design of the multi-centre trial CORE-64. European Radiology, 2009, 19, 816-828.	4.5	110
108	SCCT guidelines for performance of coronary computed tomographic angiography: A report of the Society of Cardiovascular Computed Tomography Guidelines Committee. Journal of Cardiovascular Computed Tomography, 2009, 3, 190-204.	1.3	520

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109	Diagnostic Performance of Coronary Angiography by 64-Row CT. New England Journal of Medicine, 2008, 359, 2324-2336.	27.0	1,637
110	The Effects of Aging and Physical Activity on Doppler Measures of Diastolic Function. American Journal of Cardiology, 2007, 99, 1629-1636.	1.6	153
111	Relationship among diastolic intraventricular pressure gradients, relaxation, and preload: impact of age and fitness. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H1454-H1459.	3.2	59
112	Ventricular–arterial coupling and arterial–baroreflex function in patients with heart failure and normal ejection fraction. FASEB Journal, 2006, 20, A1197.	0.5	1
113	Dose-response relationship of endurance training for autonomic circulatory control in healthy seniors. Journal of Applied Physiology, 2005, 99, 1041-1049.	2.5	102
114	Abnormalities of Doppler Measures of Diastolic Function in the Healthy Elderly Are Not Related to Alterations of Left Atrial Pressure. Circulation, 2005, 111, 1499-1503.	1.6	26
115	Effect of Aging and Physical Activity on Left Ventricular Compliance. Circulation, 2004, 110, 1799-1805.	1.6	433
116	Effect of stent design on reduction of elastic recoil: A comparison via quantitative intravascular ultrasound. Catheterization and Cardiovascular Interventions, 1999, 47, 251-257.	1.7	24