Reza Arsanjani

List of Publications by Year
in descending order

109	2,219	279778	233409
papers	citations	23 h-index	45 g-index

124	124	124	3180
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Left Atrial Appendage: Anatomy, Function, and Noninvasive Evaluation. JACC: Cardiovascular Imaging, 2014, 7, 1251-1265.	5.3	377
2	Improved accuracy of myocardial perfusion SPECT for detection of coronary artery disease by machine learning in a large population. Journal of Nuclear Cardiology, 2013, 20, 553-562.	2.1	122
3	Prediction of revascularization after myocardial perfusion SPECT by machine learning in a large population. Journal of Nuclear Cardiology, 2015, 22, 877-884.	2.1	110
4	ECG and navigatorâ€free fourâ€dimensional wholeâ€heart coronary MRA for simultaneous visualization of cardiac anatomy and function. Magnetic Resonance in Medicine, 2014, 72, 1208-1217.	3.0	100
5	Comparison of Fully Automated Computer Analysis and Visual Scoring for Detection of Coronary Artery Disease from Myocardial Perfusion SPECT in a Large Population. Journal of Nuclear Medicine, 2013, 54, 221-228.	5.0	96
6	Clinical Feasibility of 3D Automated Coronary Atherosclerotic Plaque Quantification Algorithm on Coronary Computed Tomography Angiography: Comparison with Intravascular Ultrasound. European Radiology, 2015, 25, 3073-3083.	4.5	95
7	Age-related risk of major adverse cardiac event risk and coronary artery disease extent and severity by coronary CT angiography: results from 15 187 patients from the International Multisite CONFIRM Study. European Heart Journal Cardiovascular Imaging, 2014, 15, 586-594.	1.2	77
8	Impact of Intensive LDL Cholesterol Lowering onÂCoronary Artery Atherosclerosis Progression. JACC: Cardiovascular Imaging, 2017, 10, 437-446.	5.3	73
9	Structured learning algorithm for detection of nonobstructive and obstructive coronary plaque lesions from computed tomography angiography. Journal of Medical Imaging, 2015, 2, 014003.	1.5	71
10	Improved Accuracy of Myocardial Perfusion SPECT for the Detection of Coronary Artery Disease Using a Support Vector Machine Algorithm. Journal of Nuclear Medicine, 2013, 54, 549-555.	5.0	69
11	Left Ventricular Hypertrophy in Valvular Aortic Stenosis: Mechanisms and Clinical Implications. American Journal of Medicine, 2015, 128, 344-352.	1.5	66
12	Transient ischemic dilation for coronary artery disease in quantitative analysis of same-day sestamibi myocardial perfusion SPECT. Journal of Nuclear Cardiology, 2012, 19, 465-473.	2.1	49
13	Pseudechetoxin Binds to the Pore Turret of Cyclic Nucleotideâ€“gated Ion Channels. Journal of General Physiology, 2003, 122, 749-760.	1.9	42
14	Predictors of high-risk coronary artery disease in subjects with normal SPECT myocardial perfusion imaging. Journal of Nuclear Cardiology, 2016, 23, 530-541.	2.1	39
15	Accelerated wholeâ€heart coronary MRA using motionâ€corrected sensitivity encoding with threeâ€dimensional projection reconstruction. Magnetic Resonance in Medicine, 2015, 73, 284-291.	3.0	38
16	Echocardiographic parameters associated with right ventricular failure after left ventricular assist device: A review. Journal of Heart and Lung Transplantation, 2016, 35, 283-293.	0.6	38
17	What have we learned from CONFIRM? Prognostic implications from a prospective multicenter international observational cohort study of consecutive patients undergoing coronary computed tomographic angiography. Journal of Nuclear Cardiology, 2012, 19, 787-795.	2.1	35
18	Towards elimination of the dark-rim artifact in first-pass myocardial perfusion MRI: Removing Gibbs ringing effects using optimized radial imaging. Magnetic Resonance in Medicine, 2014, 72, 124-136.	3.0	31

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19	Quantitative plaque features from coronary computed tomography angiography to identify regional ischemia by myocardial perfusion imaging. European Heart Journal Cardiovascular Imaging, 2017, 18, 499-507.	1.2	31
20	Left Ventricular Function and Volume with Coronary CT Angiography Improves Risk Stratification and Identification of Patients at Risk for Incident Mortality: Results from 7758 Patients in the Prospective Multinational CONFIRM Observational Cohort Study. Radiology, 2014, 273, 70-77.	7.3	30
21	Natriuretic Peptides for Risk Stratification of Patients With Valvular Aortic Stenosis. Circulation: Heart Failure, 2015, 8, 373-380.	3.9	30
22	Cardiopulmonary Function in Thoracic Wall Deformities: What Do We Really Know?. European Journal of Pediatric Surgery, 2018, 28, 327-346.	1.3	29
23	Long-Term Clinical Outcomes of Underdosed Direct Oral Anticoagulants in Patients with Atrial Fibrillation and Atrial Flutter. American Journal of Medicine, 2021, 134, 788-796.	1.5	25
24	Rationale and design of the ViCTORY (Validation of an Intracycle CT Motion CORrection Algorithm for) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.3	24
25	Reversal of coronary atherosclerosis: Role of life style and medical management. Trends in Cardiovascular Medicine, 2018, 28, 524-531.	4.9	24
26	Management of adults with coarctation of aorta. World Journal of Cardiology, 2020, 12, 167-191.	1.5	22
27	All-systolic non-ECG-gated myocardial perfusion MRI: Feasibility of multi-slice continuous first-pass imaging. Magnetic Resonance in Medicine, 2015, 74, 1661-1674.	3.0	21
28	Artificial Intelligence Trumps TAVI2-SCORE and CoreValve Score in Predicting 1-Year Mortality Post-Transcatheter Aortic Valve Replacement. Cardiovascular Revascularization Medicine, 2021, 24, 33-41.	0.8	21
29	Mitral annular calcification is not associated with decreased procedural success, durability of repair, or left ventricular remodelling in percutaneous edge-to-edge repair of mitral regurgitation. EuroIntervention, 2016, 12, 1176-1184.	3.2	21
30	Automated knowledgeâ€based detection of nonobstructive and obstructive arterial lesions from coronary CT angiography. Medical Physics, 2013, 40, 041912.	3.0	19
31	Nonâ€“ECGâ€gated myocardial perfusion MRI using continuous magnetizationâ€driven radial sampling. Magnetic Resonance in Medicine, 2014, 72, 1620-1628.	3.0	19
32	Two-position supine/prone myocardial perfusion SPECT (MPS) imaging improves visual inter-observer correlation and agreement. Journal of Nuclear Cardiology, 2014, 21, 703-711.	2.1	19
33	Optimal boundary detection method and window settings for coronary atherosclerotic plaque volume analysis in coronary computed tomography angiography: comparison with intravascular ultrasound. European Radiology, 2016, 26, 3190-3198.	4.5	19
34	Direct Quantification of Left Ventricular Motion and Thickening Changes Using Restâ€“Stress Myocardial Perfusion SPECT. Journal of Nuclear Medicine, 2012, 53, 1392-1400.	5.0	18
35	Translational potential of thyroid hormone and its analogs. Journal of Molecular and Cellular Cardiology, 2011, 51, 506-511.	1.9	16
36	Successful removal of an entrapped and kinked catheter during right transradial cardiac catheterization by snaring and unwinding the catheter via femoral access. Cardiovascular Revascularization Medicine, 2012, 13, 202.e1-202.e3.	0.8	16

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37	Echocardiography in the use of noninvasive hemodynamic monitoring. Journal of Critical Care, 2014, 29, 184.e1-184.e8.	2.2	16
38	Comparison of Computed Tomography derived Fractional Flow Reserve to invasive Fractional Flow Reserve in Diagnosis of Functional Coronary Stenosis: A Meta-Analysis. Scientific Reports, 2018, 8, 11535.	3.3	15
39	Nuss procedure in the adult population for correction of pectus excavatum. Seminars in Pediatric Surgery, 2018, 27, 161-169.	1.1	14
40	Comparison of Accuracy of Left Atrial Area and Volume by Two-dimensional Trans-thoracic Echocardiography Versus Computed Tomography. American Journal of Cardiology, 2019, 123, 1180-1184.	1.6	14
41	Reversible cardiac dysfunction in severe COVIDâ€19 infection, mechanisms and case report. Echocardiography, 2020, 37, 1465-1469.	0.9	14
42	Antibody to Granulocyte Macrophage Colonyâ€“stimulating Factor Reduces the Number of Activated Tissue Macrophages and Improves Left Ventricular Function After Myocardial Infarction in a Rat Coronary Artery Ligation Model. Journal of Cardiovascular Pharmacology, 2011, 57, 568-574.	1.9	13
43	Renal Denervation for Resistant Hypertension in the contemporary era: A Systematic Review and Meta-analysis. Scientific Reports, 2019, 9, 6200.	3.3	13
44	Machine learning helps predict long-term mortality and graft failure in patients undergoing heart transplant. General Thoracic and Cardiovascular Surgery, 2020, 68, 1369-1376.	0.9	12
45	SYNTAX Score Derived From Coronary CT Angiography for Prediction of Complex Percutaneous Coronary Interventions. Academic Radiology, 2016, 23, 1384-1392.	2.5	11
46	Infective Endovascular Fibrin Sheath Vegetationsâ€“A New Cause of Bacteremia Detected by Transesophageal Echocardiogram. American Journal of Medicine, 2015, 128, 1029-1038.	1.5	10
47	Comparison of echocardiographic parameters with cardiac magnetic resonance imaging in the assessment of right ventricular function. Echocardiography, 2020, 37, 1792-1802.	0.9	8
48	Cardiopulmonary Outcomes After the Nuss Procedure in Pectus Excavatum. Journal of the American Heart Association, 2022, 11, e022149.	3.7	8
49	Unusual Combination of Holt-Oram Syndrome and Persistent Left Superior Vena Cava. Congenital Heart Disease, 2012, 7, E46-E49.	0.2	7
50	Significant Reduction in Mitral Regurgitation Volume Is the Main Contributor for Increase in Systolic Forward Flow in Patients with Functional Mitral Regurgitation after Transcatheter Aortic Valve Replacement: Hemodynamic Analysis Using Echocardiography. Echocardiography, 2015, 32, 1621-1627.	0.9	7
51	Diagnostic Accuracy, Image Quality, and Patient Comfort for Coronary CT Angiography Performed Using Iso-Osmolar versus Low-Osmolar Iodinated Contrast. Academic Radiology, 2016, 23, 743-751.	2.5	7
52	First-pass myocardial perfusion MRI with reduced subendocardial dark-rim artifact using optimized Cartesian sampling. Journal of Magnetic Resonance Imaging, 2017, 45, 542-555.	3.4	7
53	Coronary CT Angiography Can Be Used As a Substitute for Coronary Angiography in Patients With Significant LV Dysfunction. Progress in Cardiovascular Diseases, 2013, 55, 498-503.	3.1	6
54	Impact of incomplete ventricular coverage on diagnostic performance of myocardial perfusion imaging. International Journal of Cardiovascular Imaging, 2018, 34, 661-669.	1.5	6

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55	Financial Toxicity in Cancer and Cardiovascular Disease. JACC: CardioOncology, 2021, 3, 247-249.	4.0	6
56	Successful coil embolization of pericardiacophrenic artery perforation occurring during transradial cardiac catheterization via right radial artery. Journal of Invasive Cardiology, 2012, 24, 671-4.	0.4	6
57	Deep Neural Network for Cardiac Magnetic Resonance Image Segmentation. Journal of Imaging, 2022, 8, 149.	3.0	6
58	Modified Thrombolytic Therapy for Massive Pulmonary Emboli. American Journal of Medicine, 2011, 124, e7-e8.	1.5	5
59	Falseâ€positive stress testing: Does endothelial vascular dysfunction contribute to STâ€segment depression in women? A pilot study. Clinical Cardiology, 2018, 41, 1044-1048.	1.8	5
60	Advanced Nuclear Medicine and Molecular Imaging in the Diagnosis of Cardiomyopathy. American Journal of Roentgenology, 2020, 215, 1208-1217.	2.2	5
61	Successful Treatment of Steroid-Refractory Checkpoint Inhibitor Myocarditis with Globulin Derived-Therapy: A Case Report and Literature Review. American Journal of the Medical Sciences, 2021, 362, 424-432.	1.1	5
62	Does a Gradient-Adjusted Cardiac Power Index Improve Prediction of Post-Transcatheter Aortic Valve Replacement Survival Over Cardiac Power Index?. Yonsei Medical Journal, 2020, 61, 482.	2.2	5
63	Combining active appearance and deformable superquadric models for LV segmentation in cardiac MRI. , 2013, , .		4
64	Ungated cine first-pass CMR for concurrent imaging of myocardial perfusion defects and wall motion abnormalities. Journal of Cardiovascular Magnetic Resonance, 2013, 15, .	3.3	3
65	Feasibility of Selective Catheter-Directed Coronary Computed Tomography Angiography Using Ultralow-Dose Intracoronary Contrast Injection in a Swine Model. Investigative Radiology, 2015, 50, 449-455.	6.2	3
66	A Multi-Modality Approach to Left Ventricular Aneurysms: True vs False. American Journal of Medicine, 2016, 129, e113-e116.	1.5	3
67	Are we there yet with patent foramen ovale closure for secondary prevention in cryptogenic stroke? A systematic review and meta-analysis of randomized trials. SAGE Open Medicine, 2019, 7, 205031211982826.	1.8	3
68	A Unique Compensatory Mechanism for Total Pulmonary Vein Occlusion Post Atrial Fibrillation Catheter Ablation Visualized by Multimodality Imaging. Case Reports in Cardiology, 2020, 2020, 1-4.	0.2	3
69	Sex Differences in Objective Measures of Adult Patients Presenting for Pectus Excavatum Repair. Annals of Thoracic Surgery, 2022, 114, 1159-1167.	1.3	3
70	Does Resting Cardiac Power Index Affect Survival Post Transcatheter Aortic Valve Replacement?. Journal of Invasive Cardiology, 2020, 32, 129-137.	0.4	3
71	Coronary CT angiography decreases the length of stay in emergency department versus standard therapy in patients presenting with acute chest pain, but results in increased downstream testing and radiation exposure. Evidence-Based Medicine, 2013, 18, 146-147.	0.6	2
72	Dark-rim-free ungated first-pass perfusion CMR with 3-Slice end-systolic imaging: initial experience. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P177.	3.3	2

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73	IMPROVED ACCURACY OF MYOCARDIAL PERFUSION SPECT FOR PREDICTION OF REVASCULARIZATION BY MACHINE LEARNING IN A LARGE POPULATION. Journal of the American College of Cardiology, 2014, 63, A1229.	2.8	2
74	Inverted left atrial appendage after cardiac procedure. European Heart Journal Cardiovascular Imaging, 2015, 16, 1047-1047.	1.2	2
75	Initial Intravascular Ultrasound Without a Routine Early Baseline Study in the Evaluation of Cardiac Transplant Vasculopathy has Prognostic Valve. Cardiovascular Revascularization Medicine, 2019, 20, 1105-1109.	0.8	2
76	Resting Cardiac Efficiency Affects Survival Following Transcatheter Aortic Valve Replacement. Cardiovascular Revascularization Medicine, 2020, 21, 1327-1333.	0.8	2
77	Global and Regional Variations in Transthyretin Cardiac Amyloidosis: A Comparison of Longitudinal Strain and^{99m}Tc-Pyrophosphate Imaging. Journal of Nuclear Medicine Technology, 2022, 50, 30-37.	0.8	2
78	Identifying and Redefining Stenosis by CT Angiography. Cardiology Clinics, 2012, 30, 57-67.	2.2	1
79	Not Your Typical Hole-in-the-Wall. JACC: Cardiovascular Interventions, 2015, 8, 1905-1906.	2.9	1
80	PECTUS EXCAVATUM PATIENTS HAVE ABNORMAL MITRAL VALVE LEAFLET LENGTHS AND COAPTATION POINT WITHOUT SIGNIFICANT MR. Journal of the American College of Cardiology, 2019, 73, 1224.	2.8	1
81	Safety and efficacy of direct oral anticoagulants compared to Vitamin K antagonists postpercutaneous coronary interventions in patients with atrial fibrillation: A systematic review and metaâ€analysis. Journal of Arrhythmia, 2020, 36, 271-279.	1.2	1
82	Aortic Root Thrombus Post-Left Ventricular Assist Device Placement. Mayo Clinic Proceedings, 2020, 95, 609-610.	3.0	1
83	Assessment of Image Quality for Selective Intracoronary Contrast-Injected CT Angiography in a Hybrid Angio-CT System: A Feasibility Study in Swine. Yonsei Medical Journal, 2021, 62, 200.	2.2	1
84	Diagnostic Accuracy of a Novel On-site Virtual Fractional Flow Reserve Parallel Computing System. Yonsei Medical Journal, 2020, 61, 137.	2.2	1
85	Metastatic Neuroendocrine Tumor with Cardiac Involvement Utilizing Multi-Modality Imaging. Korean Circulation Journal, 2019, 49, 557.	1.9	1
86	Natural History and Clinical Significance of Isolated Complete Left Bundle Brunch Block without Associated Structural Heart Disease. Anatolian Journal of Cardiology, 2020, 25, 170-176.	0.9	1
87	Low-dose unfractionated heparin administration during intravascular ultrasound studies is safe even shortly after endomyocardial biopsy in cardiac transplant patients. Journal of Invasive Cardiology, 2012, 24, 154-6.	0.4	1
88	Automated detection of contractile abnormalities from stress-rest motion changes. , 2012, 2012, .		0
89	Optimal visualization of five different stent layers during and after percutaneous coronary intervention for recurrent in-stent restenosis using optical coherence tomography (OCT). Cardiovascular Revascularization Medicine, 2012, 13, 292-294.	0.8	0
90	Integrating Physiologic and Anatomic Assessment of Coronary Artery Disease by Coronary Computed Tomographic Angiography. Current Cardiovascular Imaging Reports, 2012, 5, 301-309.	0.6	0

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91	Motivation for whole-heart perfusion CMR: a simulation study based on retrospective comparison of the diagnostic performance of 3-slice vs. whole-heart SPECT. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O99.	3.3	0
92	Cardiac CT Prior to Left Atrial Appendage Closure Device Implantation and Percutaneous Mitral Valve Interventions. Current Cardiovascular Imaging Reports, 2014, 7, 1.	0.6	0
93	TCT-711 Moderately Elevated Mean Mitral Gradient after MitraClip Repair of Mitral Regurgitation Is Not Associated with Increased Mortality. Journal of the American College of Cardiology, 2015, 66, B290.	2.8	0
94	Value Based Imaging for Coronary Artery Disease: Implications for Nuclear Cardiology and Cardiac CT. , 2016, , 349-380.		0
95	Functional Tricuspid Regurgitation and the Dynamic Tricuspid Annulusâ€"New Perspectives From 3D TEE Imaging. Journal of Cardiothoracic and Vascular Anesthesia, 2017, 31, 2115-2117.	1.3	0
96	Urinary Voiding as a Tool to Reduce Radiation Exposure in the Nuclear Stress Lab. Journal of Nuclear Medicine Technology, 2019, 47, 160-162.	0.8	0
97	Left Ventricular Assist Deviceâ€"Associated Gastrointestinal Bleeding: Recognition of an Iatrogenic Etiology on 99mTc-Tagged Red Blood Cell Scintigraphy. Journal of Nuclear Medicine Technology, 2019, 47, 169-170.	0.8	0
98	A Coronary Conundrum: Papillary Muscle Rupture and Ischemic Mitral Regurgitation Secondary to Coronary Thromboembolism in Antiphospholipid Syndrome. Journal of Investigative Medicine High Impact Case Reports, 2019, 7, 232470961984224.	0.6	0
99	Percutaneous mitral valve repair with MitraClip as an effective bridge to transplant. European Heart Journal Cardiovascular Imaging, 2021, 22, e13-e13.	1.2	0
100	Cardiac imaging: Clinical principles and applications. , 2021, , 1-35.		0
101	National Cardiovascular Data Registry Model Predicts Long-Term Mortality in Patients Undergoing Percutaneous Coronary Interventions. Cardiology, 2021, 146, 311-314.	1.4	0
102	Light on valvular bumps. Journal of Echocardiography, 2021, , 1.	0.8	0
103	Aortic Annular Geometry and Sizing: CT. , 2014, , 311-318.		0
104	Left Ventricular Outflow Tract Obstruction due to Residual Native Valve Following Mitral Valve Replacement. Anatolian Journal of Cardiology, 2020, 23, E16-E17.	0.9	0
105	Complex Aortic Root Abscess with Fistula Formation to Right Atrium and Ventricle. Korean Circulation Journal, 2020, 50, 957.	1.9	0
106	Near Complete Resolution of Nonbacterial Thrombotic Endocarditis in a Patient with Antiphospholipid Antibody Syndrome. Anatolian Journal of Cardiology, 2020, 24, E5-E7.	0.9	0
107	The Use of New Emerging Technology in Echocardiography-Glass View. Korean Circulation Journal, 2022, 52, 87.	1.9	0
108	Machine Learning on High-Dimensional Data to Predict Bleeding Post Percutaneous Coronary Intervention. Journal of Invasive Cardiology, 2020, 32, E122-E129.	0.4	0

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109	Abstract 10648: The Presence of Iatrogenic Atrial Septal Defect Does Not Affect the Right Ventricular Strain Function in Patients with More Than Moderate Tricuspid Regurgitation. Circulation, 2021, 144, .	1.6	0