Jonathon Leipsic

List of Publications by Citations

288 papers	15,456 citations	62 h-index	119 g-index
318 ext. papers	20,628 ext. citations	5.7 avg, IF	6.32 L-index

#	Paper	IF	Citations
288	Transcatheter Aortic-Valve Replacement with a Balloon-Expandable Valve in Low-Risk Patients. *New England Journal of Medicine*, **2019**, 380, 1695-1705	59.2	1849
287	Diagnostic performance of noninvasive fractional flow reserve derived from coronary computed tomography angiography in suspected coronary artery disease: the NXT trial (Analysis of Coronary Blood Flow Using CT Angiography: Next Steps). *Journal of the American College of Cardiology*, **2014**, 63, 1145-1155	15.1	871
286	Diagnostic accuracy of fractional flow reserve from anatomic CT angiography. *JAMA - Journal of the American Medical Association*, **2012**, 308, 1237-45	27.4	743
285	SCCT guidelines for the interpretation and reporting of coronary CT angiography: a report of the Society of Cardiovascular Computed Tomography Guidelines Committee. *Journal of Cardiovascular Computed Tomography*, **2014**, 8, 342-58	2.8	498
284	SCCT guidelines for the performance and acquisition of coronary computed tomographic angiography: A report of the society of Cardiovascular Computed Tomography Guidelines Committee: Endorsed by the North American Society for Cardiovascular Imaging (NASCI). *Journal of Cardiovascular Computed Tomography*, **2010**, 10, 435-449	2.8	386
283	Adaptive statistical iterative reconstruction: assessment of image noise and image quality in coronary CT angiography. *American Journal of Roentgenology*, **2010**, 195, 649-54	5.4	289
282	Machine learning for prediction of all-cause mortality in patients with suspected coronary artery disease: a 5-year multicentre prospective registry analysis. *European Heart Journal*, **2017**, 38, 500-507	9.5	275
281	Estimated radiation dose reduction using adaptive statistical iterative reconstruction in coronary CT angiography: the ERASIR study. *American Journal of Roentgenology*, **2010**, 195, 655-60	5.4	263
280	Multicenter evaluation of a next-generation balloon-expandable transcatheter aortic valve. *Journal of the American College of Cardiology*, **2014**, 64, 2235-43	15.1	260
279	Outcomes in Transcatheter Aortic Valve Replacement for Bicuspid Versus Tricuspid Aortic Valve Stenosis. *Journal of the American College of Cardiology*, **2017**, 69, 2579-2589	15.1	240
278	Transcatheter Aortic Valve Thrombosis: Incidence, Predisposing Factors, and Clinical Implications. *Journal of the American College of Cardiology*, **2016**, 68, 2059-2069	15.1	236
277	Multidetector computed tomography in transcatheter aortic valve implantation. *JACC: Cardiovascular Imaging*, **2011**, 4, 416-29	8.4	226
276	Transcatheter Aortic Valve Implantation Within Degenerated Aortic Surgical Bioprostheses: PARTNER 2 Valve-in-Valve Registry. *Journal of the American College of Cardiology*, **2017**, 69, 2253-2262	15.1	207
275	A prospective evaluation of dose reduction and image quality in chest CT using adaptive statistical iterative reconstruction. *American Journal of Roentgenology*, **2010**, 195, 1095-9	5.4	196
274	Standardized Definition of Structural Valve Degeneration for Surgical and Transcatheter Bioprosthetic Aortic Valves. *Circulation*, **2018**, 137, 388-399	16.7	194
273	Early hypo-attenuated leaflet thickening in balloon-expandable transcatheter aortic heart valves. *European Heart Journal*, **2016**, 37, 2263-71	9.5	184
272	Coronary plaque quantification and fractional flow reserve by coronary computed tomography angiography identify ischaemia-causing lesions. *European Heart Journal*, **2016**, 37, 1220-7	9.5	184

271	Atherosclerotic plaque characteristics by CT angiography identify coronary lesions that cause ischemia: a direct comparison to fractional flow reserve. *JACC: Cardiovascular Imaging*, **2015**, 8, 1-10	8.4	183
270	Transcatheter Mitral Valve Replacement for Patients With Symptomatic Mitral Regurgitation: A Global Feasibility Trial. *Journal of the American College of Cardiology*, **2017**, 69, 381-391	15.1	181
269	Comparison of Coronary CT Angiography, SPECT, PET, and Hybrid Imaging for Diagnosis of Ischemic Heart Disease Determined by Fractional Flow Reserve. *JAMA Cardiology*, **2017**, 2, 1100-1107	16.2	176
268	Coronary Atherosclerotic Precursors of Acute Coronary Syndromes. *Journal of the American College of Cardiology*, **2018**, 71, 2511-2522	15.1	161
267	Clinical indications for coronary artery calcium scoring in asymptomatic patients: Expert consensus statement from the Society of Cardiovascular Computed Tomography. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 157-168	2.8	159
266	Predicting LVOT Obstruction in Transcatheter Mitral Valve Implantation: Concept of the Neo-LVOT. *JACC: Cardiovascular Imaging*, **2017**, 10, 482-485	8.4	155
265	Noninvasive Fractional Flow Reserve Derived From Coronary CT Angiography: Clinical Data and Scientific Principles. *JACC: Cardiovascular Imaging*, **2015**, 8, 1209-1222	8.4	144
264	Transcatheter Aortic Valve Replacement With Early- and New-Generation Devices in Bicuspid Aortic Valve Stenosis. *Journal of the American College of Cardiology*, **2016**, 68, 1195-1205	15.1	144
263	Predictors of mortality and progression in scleroderma-associated interstitial lung disease: a systematic review. *Chest*, **2014**, 146, 422-436	5.3	143
262	Early aortic transcatheter heart valve thrombosis: diagnostic value of contrast-enhanced multidetector computed tomography. *Circulation: Cardiovascular Interventions*, **2015**, 8,	6	141
261	Coronary obstruction in transcatheter aortic valve-in-valve implantation: preprocedural evaluation, device selection, protection, and treatment. *Circulation: Cardiovascular Interventions*, **2015**, 8,	6	135
260	Bicuspid Aortic Valve Stenosis: Favorable Early Outcomes With a Next-Generation Transcatheter Heart Valve in a Multicenter Study. *JACC: Cardiovascular Interventions*, **2016**, 9, 817-824	5	121
259	Multimodality Imaging in the Context of Transcatheter Mitral Valve Replacement: Establishing Consensus Among Modalities and Disciplines. *JACC: Cardiovascular Imaging*, **2015**, 8, 1191-1208	8.4	120
258	Real-world clinical utility and impact on clinical decision-making of coronary computed tomography angiography-derived fractional flow reserve: lessons from the ADVANCE Registry. *European Heart Journal*, **2018**, 39, 3701-3711	9.5	118
257	Transcatheter Aortic and Mitral Valve-in-Valve Implantation for Failed Surgical Bioprosthetic Valves: An 8-Year Single-Center Experience. *JACC: Cardiovascular Interventions*, **2015**, 8, 1735-44	5	112
256	First-in-Man Experience of a Novel Transcatheter Repair System for Treating Severe Tricuspid Regurgitation. *Journal of the American College of Cardiology*, **2015**, 66, 2475-83	15.1	110
255	Initial Feasibility Study of a New Transcatheter Mitral Prosthesis: The First 100 Patients. *Journal of the American College of Cardiology*, **2019**, 73, 1250-1260	15.1	106
254	Influence of Coronary Calcification on the Diagnostic Performance of CT Angiography Derived FFR in Coronary Artery Disease: A Substudy of the NXT Trial. *JACC: Cardiovascular Imaging*, **2015**, 8, 1045-1055	8.4	102

253	Prognostic and therapeutic implications of statin and aspirin therapy in individuals with nonobstructive coronary artery disease: results from the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An InteRnational Multicenter registry) registry. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2015**, 35, 981-9	9.4	101
252	Incidence and severity of paravalvular aortic regurgitation with multidetector computed tomography nominal area oversizing or undersizing after transcatheter heart valve replacement with the Sapien 3: a comparison with the Sapien XT. *JACC: Cardiovascular Interventions*, **2015**, 8, 462-471	5	97
251	CT angiography (CTA) and diagnostic performance of noninvasive fractional flow reserve: results from the Determination of Fractional Flow Reserve by Anatomic CTA (DeFACTO) study. *American Journal of Roentgenology*, **2014**, 202, 989-94	5.4	97
250	Do plaques rapidly progress prior to myocardial infarction? The interplay between plaque vulnerability and progression. *Circulation Research*, **2015**, 117, 99-104	15.7	95
249	Association of Paravalvular Regurgitation With 1-Year Outcomes After Transcatheter Aortic Valve Replacement With the SAPIEN 3 Valve. *JAMA Cardiology*, **2017**, 2, 1208-1216	16.2	89
248	Total Airway Count on Computed Tomography and the Risk of Chronic Obstructive Pulmonary Disease Progression. Findings from a Population-based Study. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 56-65	10.2	89
247	A simplified D-shaped model of the mitral annulus to facilitate CT-based sizing before transcatheter mitral valve implantation. *Journal of Cardiovascular Computed Tomography*, **2014**, 8, 459-67	2.8	88
246	1-Year Impact on Medical Practice and Clinical Outcomes of FFR: The ADVANCE Registry. *JACC: Cardiovascular Imaging*, **2020**, 13, 97-105	8.4	88
245	Incremental prognostic utility of coronary CT angiography for asymptomatic patients based upon extent and severity of coronary artery calcium: results from the COronary CT Angiography EvaluatioN For Clinical Outcomes InteRnational Multicenter (CONFIRM) study. *European Heart Journal*, **2015**, 36, 501-8	9.5	87
244	From Subclinical Atherosclerosis to Plaque Progression and Acute Coronary Events: JACC State-of-the-Art Review. *Journal of the American College of Cardiology*, **2019**, 74, 1608-1617	15.1	86
243	Clinical Use of Coronary CTA-Derived FFR for Decision-Making in Stable CAD. *JACC: Cardiovascular Imaging*, **2017**, 10, 541-550	8.4	85
242	Mitral Annular Evaluation With CT in the Context of Transcatheter Mitral Valve Replacement. *JACC: Cardiovascular Imaging*, **2015**, 8, 612-615	8.4	85
241	Reduction in radiation exposure in cardiovascular computed tomography imaging: results from the PROspective multicenter registry on radiaTion dose Estimates of cardiac CT angIOgraphy iN daily practice in 2017 (PROTECTION VI). *European Heart Journal*, **2018**, 39, 3715-3723	9.5	77
240	Incremental prognostic value of coronary computed tomographic angiography over coronary artery calcium score for risk prediction of major adverse cardiac events in asymptomatic diabetic individuals. *Atherosclerosis*, **2014**, 232, 298-304	3.1	77
239	Open issues in transcatheter aortic valve implantation. Part 2: procedural issues and outcomes after transcatheter aortic valve implantation. *European Heart Journal*, **2014**, 35, 2639-54	9.5	76
238	Coronary CT Angiographic and Flow Reserve-Guided Management of Patients With Stable Ischemic Heart Disease. *Journal of the American College of Cardiology*, **2018**, 72, 2123-2134	15.1	75
237	CAC-DRS: Coronary Artery Calcium Data and Reporting System. An expert consensus document of the Society of Cardiovascular Computed Tomography (SCCT). *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 185-191	2.8	74
236	Comparison of hemodynamic performance of the balloon-expandable SAPIEN 3 versus SAPIEN XT transcatheter valve. *American Journal of Cardiology*, **2014**, 114, 1075-82	3	72

235	Transcatheter Tricuspid Valve Repair With a New Transcatheter Coaptation System for the Treatment of Severe Tricuspid Regurgitation: 1-Year Clinical and Echocardiographic Results. *JACC: Cardiovascular Interventions*, **2017**, 10, 1994-2003	5	71
234	Open issues in transcatheter aortic valve implantation. Part 1: patient selection and treatment strategy for transcatheter aortic valve implantation. *European Heart Journal*, **2014**, 35, 2627-38	9.5	71
233	Association of Coronary Stenosis and Plaque Morphology With Fractional Flow Reserve and Outcomes. *JAMA Cardiology*, **2016**, 1, 350-7	16.2	69
232	Cardiac Computed Tomography and Magnetic Resonance Imaging in the Evaluation of Mitral and Tricuspid Valve Disease: Implications for Transcatheter Interventions. *Circulation: Cardiovascular Imaging*, **2017**, 10,	3.9	67
231	Course of early subclinical leaflet thrombosis after transcatheter aortic valve implantation with or without oral anticoagulation. *Clinical Research in Cardiology*, **2017**, 106, 85-95	6.1	66
230	Sex-Specific Associations Between Coronary Artery Plaque Extent and Risk of Major Adverse Cardiovascular Events: The CONFIRM Long-Term Registry. *JACC: Cardiovascular Imaging*, **2016**, 9, 364-372	8.4	66
229	Effect of a novel vendor-specific motion-correction algorithm on image quality and diagnostic accuracy in persons undergoing coronary CT angiography without rate-control medications. *Journal of Cardiovascular Computed Tomography*, **2012**, 6, 164-71	2.8	65
228	3-Year Outcomes After Valve-in-Valve Transcatheter Aortic Valve Replacement for Degenerated Bioprostheses: The PARTNER 2 Registry. *Journal of the American College of Cardiology*, **2019**, 73, 2647-2655	15.1	63
227	Iterative reconstruction for coronary CT angiography: finding its way. *International Journal of Cardiovascular Imaging*, **2012**, 28, 613-20	2.5	63
226	Subclinical Leaflet Thrombosis in Transcatheter and Surgical Bioprosthetic Valves: PARTNER 3 Cardiac Computed Tomography Substudy. *Journal of the American College of Cardiology*, **2020**, 75, 3003-3015	15.1	62
225	Comprehensive Echocardiographic Assessment of Normal Transcatheter Valve Function. *JACC: Cardiovascular Imaging*, **2019**, 12, 25-34	8.4	62
224	Clinical Trial Principles and Endpoint Definitions for Paravalvular Leaks in Surgical Prosthesis: An Expert Statement. *Journal of the American College of Cardiology*, **2017**, 69, 2067-2087	15.1	60
223	Repeat Transcatheter Aortic Valve Replacement for Transcatheter Prosthesis Dysfunction. *Journal of the American College of Cardiology*, **2020**, 75, 1882-1893	15.1	59
222	Percutaneous Transcatheter Mitral Valve Replacement: First-in-Human Experience With a New Transseptal System. *Journal of the American College of Cardiology*, **2019**, 73, 1239-1246	15.1	57
221	Additional value of transluminal attenuation gradient in CT angiography to predict hemodynamic significance of coronary artery stenosis. *JACC: Cardiovascular Imaging*, **2014**, 7, 374-86	8.4	57
220	Prognostic value of coronary computed tomographic angiography findings in asymptomatic individuals: a 6-year follow-up from the prospective multicentre international CONFIRM study. *European Heart Journal*, **2018**, 39, 934-941	9.5	56
219	Mitral Annular Dimensions and Geometry in Patients With Functional Mitral Regurgitation and Mitral Valve Prolapse: Implications for Transcatheter Mitral Valve Implantation. *JACC: Cardiovascular Imaging*, **2016**, 9, 269-80	8.4	56
218	Oversizing in transcatheter aortic valve replacement, a commonly used term but a poorly understood one: dependency on definition and geometrical measurements. *Journal of Cardiovascular Computed Tomography*, **2014**, 8, 67-76	2.8	56

217	A randomized, multicenter, multivendor study of myocardial perfusion imaging with regadenoson CT perfusion vs single photon emission CT. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 103-12.e1-2	2.8	56
216	Structural integrity of balloon-expandable stents after transcatheter aortic valve replacement: assessment by multidetector computed tomography. *JACC: Cardiovascular Interventions*, **2012**, 5, 525-532	5	56
215	Lesion-Specific and Vessel-Related Determinants of Fractional Flow Reserve Beyond Coronary Artery Stenosis. *JACC: Cardiovascular Imaging*, **2018**, 11, 521-530	8.4	55
214	Computed tomography assessment for transcatheter aortic valve in valve implantation: The vancouver approach to predict anatomical risk for coronary obstruction and other considerations. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 491-499	2.8	54
213	Prognostic Value of Fat Mass and Skeletal Muscle Mass Determined by Computed Tomography in Patients Who Underwent Transcatheter Aortic Valve Implantation. *American Journal of Cardiology*, **2016**, 117, 828-33	3	53
212	Transcatheter valve-in-valve implantation for failed balloon-expandable transcatheter aortic valves. *JACC: Cardiovascular Interventions*, **2012**, 5, 571-577	5	53
211	Long-Term Prognostic Utility of Coronary CT Angiography in Stable Patients With Diabetes Mellitus. *JACC: Cardiovascular Imaging*, **2016**, 9, 1280-1288	8.4	50
210	Findings on Thoracic Computed Tomography Scans and Respiratory Outcomes in Persons with and without Chronic Obstructive Pulmonary Disease: A Population-Based Cohort Study. *PLoS ONE*, **2016**, 11, e0166745	3.7	49
209	The Coronary Artery Disease-Reporting and Data System (CAD-RADS): Prognostic and Clinical Implications Associated With Standardized Coronary Computed Tomography Angiography Reporting. *JACC: Cardiovascular Imaging*, **2018**, 11, 78-89	8.4	48
208	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With Stable Chest Pain. *Journal of the American College of Cardiology*, **2019**, 74, 2058-2070	15.1	48
207	Underexpansion and ad hoc post-dilation in selected patients undergoing balloon-expandable transcatheter aortic valve replacement. *Journal of the American College of Cardiology*, **2014**, 63, 976-81	15.1	46
206	The evolving role of MDCT in transcatheter aortic valve replacement: a radiologists Pperspective. *American Journal of Roentgenology*, **2009**, 193, W214-9	5.4	45
205	FFR Derived From Coronary CT Angiography in Nonculprit Lesions of Patients With Recent STEMI. *JACC: Cardiovascular Imaging*, **2017**, 10, 424-433	8.4	44
204	Long-term prognostic impact of CT-Leaman score in patients with non-obstructive CAD: Results from the COronary CT Angiography EvaluatioN For Clinical Outcomes InteRnational Multicenter (CONFIRM) study. *International Journal of Cardiology*, **2017**, 231, 18-25	3.2	42
203	Prosthetic Valve Endocarditis After TAVR and SAVR: Insights From the PARTNER Trials. *Circulation*, **2019**, 140, 1984-1994	16.7	42
202	Pre-procedural assessment of aortic annulus dimensions for transcatheter aortic valve replacement: comparison of a non-contrast 3D MRA protocol with contrast-enhanced cardiac dual-source CT angiography. *European Heart Journal Cardiovascular Imaging*, **2016**, 17, 458-66	4.1	42
201	Prognostic Value and Risk Continuum of Noninvasive Fractional Flow Reserve Derived from Coronary CT Angiography. *Radiology*, **2019**, 292, 343-351	20.5	41
200	Effect of the ratio of coronary arterial lumen volume to left ventricle myocardial mass derived from coronary CT angiography on fractional flow reserve. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 429-436	2.8	41

199	Superior Risk Stratification With Coronary Computed Tomography Angiography Using a Comprehensive Atherosclerotic Risk Score. *JACC: Cardiovascular Imaging*, **2019**, 12, 1987-1997	8.4	41
198	Imaging for Predicting and Assessing Prosthesis-Patient Mismatch After Aortic Valve Replacement. *JACC: Cardiovascular Imaging*, **2019**, 12, 149-162	8.4	41
197	Computed Tomography-Based Oversizing Degrees and Incidence of Paravalvular Regurgitation of a New Generation Transcatheter Heart Valve. *JACC: Cardiovascular Interventions*, **2017**, 10, 810-820	5	40
196	Prospective Randomized Trial on Radiation Dose Estimates of CT Angiography Applying Iterative Image Reconstruction: The PROTECTION V Study. *JACC: Cardiovascular Imaging*, **2015**, 8, 888-96	8.4	40
195	Prediction of fluoroscopic angulation and coronary sinus location by CT in the context of transcatheter mitral valve implantation. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 183-92	2.8	40
194	CT Angiography for the Prediction of Hemodynamic Significance in Intermediate and Severe Lesions: Head-to-Head Comparison With Quantitative Coronary Angiography Using Fractional Flow Reserve as the Reference Standard. *JACC: Cardiovascular Imaging*, **2016**, 9, 559-64	8.4	40
193	Structural Deterioration of Transcatheter Versus Surgical Aortic Valve Bioprostheses in the PARTNER-2 Trial. *Journal of the American College of Cardiology*, **2020**, 76, 1830-1843	15.1	40
192	Imaging Needs in Novel Transcatheter Tricuspid Valve Interventions. *JACC: Cardiovascular Imaging*, **2018**, 11, 736-754	8.4	39
191	Impact of Plaque Burden Versus Stenosis on Ischemic Events in Patients With Coronary Atherosclerosis. *Journal of the American College of Cardiology*, **2020**, 76, 2803-2813	15.1	39
190	Association of High-Density Calcified 1K Plaque With Risk of Acute Coronary Syndrome. *JAMA Cardiology*, **2020**, 5, 282-290	16.2	35
189	Computed tomography derived fractional flow reserve testing in stable patients with typical angina pectoris: influence on downstream rate of invasive coronary angiography. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 405-414	4.1	35
188	Iterative reconstruction in cardiac CT. *Journal of Cardiovascular Computed Tomography*, **2015**, 9, 255-63	2.8	34
187	Safe Reintroduction of Cardiovascular Services During the COVID-19 Pandemic: From the North American Society Leadership. *Journal of the American College of Cardiology*, **2020**, 75, 3177-3183	15.1	34
186	Long term prognostic utility of coronary CT angiography in patients with no modifiable coronary artery disease risk factors: Results from the 5 year follow-up of the CONFIRM International Multicenter Registry. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 22-7	2.8	33
185	Self-Expanding Transcatheter Aortic Valve System for Symptomatic High-Risk Patients With Severe Aortic Stenosis. *Journal of the American College of Cardiology*, **2017**, 70, 3127-3136	15.1	33
184	Sex-based prognostic implications of nonobstructive coronary artery disease: results from the international multicenter CONFIRM study. *Radiology*, **2014**, 273, 393-400	20.5	33
183	Mitral Valve Imaging with CT: Relationship with Transcatheter Mitral Valve Interventions. *Radiology* , **2018**, 288, 638-655	20.5	32
182	Interpreting results of coronary computed tomography angiography-derived fractional flow reserve in clinical practice. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 383-388	2.8	31

181	Three-Dimensional Echocardiography Compared With Computed Tomography to Determine Mitral Annulus Size Before Transcatheter Mitral Valve Implantation. *Circulation: Cardiovascular Imaging*, **2016**, 9,	3.9	30
180	Rationale, design and goals of the HeartFlow assessing diagnostic value of non-invasive FFR in Coronary Care (ADVANCE) registry. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 62-67	2.8	29
179	A Cardiac Computed Tomography-Based Score to Categorize Mitral Annular Calcification Severity and Predict Valve Embolization. *JACC: Cardiovascular Imaging*, **2020**, 13, 1945-1957	8.4	29
178	The Future of Cardiovascular Computed Tomography: Advanced Analytics and Clinical Insights. *JACC: Cardiovascular Imaging*, **2019**, 12, 1058-1072	8.4	28
177	Transcatheter Mitral Valve Planning and the Neo-LVOT: Utilization of Virtual Simulation Models and 3D Printing. *Current Treatment Options in Cardiovascular Medicine*, **2018**, 20, 99	2.1	27
176	Cardiovascular risk among stable individuals suspected of having coronary artery disease with no modifiable risk factors: results from an international multicenter study of 5262 patients. *Radiology*, **2013**, 267, 718-26	20.5	26
175	Coronary Computed Tomography Angiography Derived Fractional Flow Reserve and Plaque Stress. *Current Cardiovascular Imaging Reports*, **2016**, 9, 2	0.7	25
174	The Association Between Conversion to In-centre Nocturnal Hemodialysis and Left Ventricular Mass Regression in Patients With End-Stage Renal Disease. *Canadian Journal of Cardiology*, **2016**, 32, 369-77	3.8	25
173	A prospective randomized controlled trial to assess the diagnostic performance of reduced tube voltage for coronary CT angiography. *American Journal of Roentgenology*, **2011**, 196, 801-6	5.4	25
172	Transcatheter Interventions for Mitral Regurgitation: Multimodality Imaging for Patient Selection and Procedural Guidance. *JACC: Cardiovascular Imaging*, **2019**, 12, 2029-2048	8.4	25
171	Prognostic Determinants of Coronary Atherosclerosis in Stable Ischemic Heart Disease: Anatomy, Physiology, or Morphology?. *Circulation Research*, **2016**, 119, 317-29	15.7	24
170	Molecular Coronary Plaque Imaging Using F-Fluoride. *Circulation: Cardiovascular Imaging*, **2019**, 12, e008574	5.4	24
169	Determinants of Rejection Rate for Coronary CT Angiography Fractional Flow Reserve Analysis. *Radiology*, **2019**, 292, 597-605	20.5	24
168	Coronary CT Angiography-derived Fractional Flow Reserve Testing in Patients with Stable Coronary Artery Disease: Recommendations on Interpretation and Reporting. *Radiology: Cardiothoracic Imaging*, **2019**, 1, e190050	8.3	24
167	Improved 5-year prediction of all-cause mortality by coronary CT angiography applying the CONFIRM score. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 286-293	4.1	23
166	The burden of image based emphysema and bronchiolitis in HIV-infected individuals on antiretroviral therapy. *PLoS ONE*, **2014**, 9, e109027	3.7	23
165	Towards large-scale case-finding: training and validation of residual networks for detection of chronic obstructive pulmonary disease using low-dose CT. *The Lancet Digital Health*, **2020**, 2, e259-e267	14.4	22
164	Incidence and predictors of lesion-specific ischemia by FFR: Learnings from the international ADVANCE registry. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 95-100	2.8	21

163	Current but not past smoking increases the risk of cardiac events: insights from coronary computed tomographic angiography. *European Heart Journal*, **2015**, 36, 1031-40	9.5	21
162	Gender differences in the prevalence, severity, and composition of coronary artery disease in the young: a study of 1635 individuals undergoing coronary CT angiography from the prospective, multinational confirm registry. *European Heart Journal Cardiovascular Imaging*, **2015**, 16, 490-9	4.1	21
161	Is metabolic syndrome predictive of prevalence, extent, and risk of coronary artery disease beyond its components? Results from the multinational coronary CT angiography evaluation for clinical outcome: an international multicenter registry (CONFIRM). *PLoS ONE*, **2015**, 10, e0118998	3.7	21
160	Clinical Outcomes and Imaging Findings in Women Undergoing TAVR. *JACC: Cardiovascular Imaging*, **2016**, 9, 483-93	8.4	21
159	Role of a Regional Multidisciplinary Conference in the Diagnosis of Interstitial Lung Disease. *Annals of the American Thoracic Society*, **2019**, 16, 455-462	4.7	21
158	Medical history for prognostic risk assessment and diagnosis of stable patients with suspected coronary artery disease. *American Journal of Medicine*, **2015**, 128, 871-8	2.4	20
157	Incremental prognostic value of coronary computed tomography angiography over coronary calcium scoring for major adverse cardiac events in elderly asymptomatic individuals. *European Heart Journal Cardiovascular Imaging*, **2018**, 19, 675-683	4.1	20
156	A prospective randomized trial comparing image quality, study interpretability, and radiation dose of narrow acquisition window with widened acquisition window protocols in prospectively ECG-triggered coronary computed tomography angiography. *Journal of Cardiovascular Computed*	2.8	20
155	Left ventricular access point determination for a coaxial approach to the mitral annular landing zone in transcatheter mitral valve replacement. *Journal of Cardiovascular Computed Tomography*, **2017**, 11, 281-287	2.8	19
154	Rationale and design of the dual-energy computed tomography for ischemia determination compared to "gold standard" non-invasive and invasive techniques (DECIDE-Gold): A multicenter international efficacy diagnostic study of rest-stress dual-energy computed tomography	2.1	19
153	Prognostic Significance of Nonobstructive Left Main Coronary Artery Disease in Women Versus Men: Long-Term Outcomes From the CONFIRM (Coronary CT Angiography Evaluation For Clinical Outcomes: An International Multicenter) Registry. *Circulation: Cardiovascular Imaging*, **2017**, 10,	3.9	19
152	Coronary dominance and prognosis in patients undergoing coronary computed tomographic angiography: results from the CONFIRM (COronary CT Angiography EvaluatioN For Clinical Outcomes: An InteRnational Multicenter) registry. *European Heart Journal Cardiovascular Imaging*,	4.1	18
151	Aortic valve and left ventricular outflow tract calcium volume and distribution in transcatheter aortic valve replacement: Influence on the risk of significant paravalvular regurgitation. *Journal of Cardiovascular Computed Tomography*, **2018**, 12, 290-297	2.8	18
150	Clinical Trial Principles and Endpoint Definitions for Paravalvular Leaks in Surgical Prosthesis. *European Heart Journal*, **2018**, 39, 1224-1245	9.5	18
149	Myocardial Perfusion Imaging Versus Computed Tomography Angiography-Derived Fractional Flow Reserve Testing in Stable Patients With Intermediate-Range Coronary Lesions: Influence on Downstream Diagnostic Workflows and Invasive Angiography Findings. *Journal of the American Heart Association*, **2017**, 6,	6	18
148	Left ventricular outflow obstruction predicts increase in systolic pressure gradients and blood residence time after transcatheter mitral valve replacement. *Scientific Reports*, **2018**, 8, 15540	4.9	17
147	Transcatheter Replacement of Transcatheter Versus Surgically Implanted Aortic Valve Bioprostheses. *Journal of the American College of Cardiology*, **2021**, 77, 1-14	15.1	17
146	Optimal fluoroscopic viewing angles of left-sided heart structures in patients with aortic stenosis and mitral regurgitation based on multislice computed tomography. *Journal of Cardiovascular Computed Tomography*, **2016**, 10, 162-72	2.8	16

145	A clinical model to identify patients with high-risk coronary artery disease. *JACC: Cardiovascular Imaging*, **2015**, 8, 427-434	8.4	15
144	A Strategy of Underexpansion and Ad Hoc Post-Dilation of Balloon-Expandable Transcatheter Aortic Valves in Patients at Risk of Annular Injury: Favorable Mid-Term Outcomes. *JACC: Cardiovascular Interventions*, **2015**, 8, 1727-32	5	15
143	Fluoroscopic Anatomy of Right-Sided Heart Structures for Transcatheter Interventions. *JACC: Cardiovascular Interventions*, **2018**, 11, 1614-1625	5	15
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