

Farouc A Jaffer,, Fscai

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

220
papers

10,106
citations

50
h-index

96
g-index

309
ext. papers

11,772
ext. citations

7.2
avg, IF

5.96
L-index

#	Paper	IF	Citations
220	Diagnostic accuracy of fractional flow reserve from anatomic CT angiography. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 308, 1237-45	27.4	743
219	Noninvasive vascular cell adhesion molecule-1 imaging identifies inflammatory activation of cells in atherosclerosis. <i>Circulation</i> , 2006 , 114, 1504-11	16.7	508
218	Osteogenesis associates with inflammation in early-stage atherosclerosis evaluated by molecular imaging in vivo. <i>Circulation</i> , 2007 , 116, 2841-50	16.7	486
217	Multimodality molecular imaging identifies proteolytic and osteogenic activities in early aortic valve disease. <i>Circulation</i> , 2007 , 115, 377-86	16.7	325
216	Monocyte accumulation in mouse atherogenesis is progressive and proportional to extent of disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 10340-10345	11.5	278
215	Molecular imaging in the clinical arena. <i>JAMA - Journal of the American Medical Association</i> , 2005 , 293, 855-62	27.4	270
214	Arterial and aortic valve calcification abolished by elastolytic cathepsin S deficiency in chronic renal disease. <i>Circulation</i> , 2009 , 119, 1785-94	16.7	245
213	Intra-arterial catheter for simultaneous microstructural and molecular imaging in vivo. <i>Nature Medicine</i> , 2011 , 17, 1680-4	50.5	232
212	Optical visualization of cathepsin K activity in atherosclerosis with a novel, protease-activatable fluorescence sensor. <i>Circulation</i> , 2007 , 115, 2292-8	16.7	217
211	Molecular and cellular imaging of atherosclerosis: emerging applications. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 1328-38	15.1	176
210	Molecular imaging of cardiovascular disease. <i>Circulation</i> , 2007 , 116, 1052-61	16.7	173
209	Seeing within: molecular imaging of the cardiovascular system. <i>Circulation Research</i> , 2004 , 94, 433-45	15.7	172
208	Development and Validation of a Novel Scoring System for Predicting Technical Success of Chronic Total Occlusion Percutaneous Coronary Interventions: The PROGRESS CTO (Prospective Global Registry for the Study of Chronic Total Occlusion Intervention) Score. <i>JACC: Cardiovascular Interventions</i> , 2011 , 4, 101-10	5	171
207	Age and sex distribution of subclinical aortic atherosclerosis: a magnetic resonance imaging examination of the Framingham Heart Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002 , 22, 849-54	9.4	168
206	Real-time catheter molecular sensing of inflammation in proteolytically active atherosclerosis. <i>Circulation</i> , 2008 , 118, 1802-9	16.7	162
205	Optical and multimodality molecular imaging: insights into atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1017-24	9.4	147
204	Indocyanine green enables near-infrared fluorescence imaging of lipid-rich, inflamed atherosclerotic plaques. <i>Science Translational Medicine</i> , 2011 , 3, 84ra45	17.5	143

203	A macrophage-targeted theranostic nanoparticle for biomedical applications. <i>Small</i> , 2006 , 2, 983-7	11	138
202	Imaging and nanomedicine in inflammatory atherosclerosis. <i>Science Translational Medicine</i> , 2014 , 6, 239sr1.5	15.1	131
201	Two-dimensional intravascular near-infrared fluorescence molecular imaging of inflammation in atherosclerosis and stent-induced vascular injury. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 2516-26	15.1	124
200	Guiding Principles for Chronic Total Occlusion Percutaneous Coronary Intervention. <i>Circulation</i> , 2019 , 140, 420-433	16.7	120
199	Factor XIII deficiency causes cardiac rupture, impairs wound healing, and aggravates cardiac remodeling in mice with myocardial infarction. <i>Circulation</i> , 2006 , 113, 1196-202	16.7	118
198	In vivo imaging of thrombin activity in experimental thrombi with thrombin-sensitive near-infrared molecular probe. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002 , 22, 1929-35	9.4	118
197	Molecular imaging of factor XIIIa activity in thrombosis using a novel, near-infrared fluorescent contrast agent that covalently links to thrombi. <i>Circulation</i> , 2004 , 110, 170-6	16.7	116
196	Hybrid intravascular imaging: recent advances, technical considerations, and current applications in the study of plaque pathophysiology. <i>European Heart Journal</i> , 2017 , 38, 400-412	9.5	114
195	Noninvasive FFR Derived From Coronary CT Angiography: Management and Outcomes in the PROMISE Trial. <i>JACC: Cardiovascular Imaging</i> , 2017 , 10, 1350-1358	8.4	112
194	Cellular Imaging of Inflammation in Atherosclerosis Using Magnetofluorescent Nanomaterials. <i>Molecular Imaging</i> , 2006 , 5, 7290.2006.00009	3.7	112
193	Endothelial PGC-1 α mediates vascular dysfunction in diabetes. <i>Cell Metabolism</i> , 2014 , 19, 246-58	24.6	110
192	Stent thrombosis: a clinical perspective. <i>JACC: Cardiovascular Interventions</i> , 2014 , 7, 1081-92	5	107
191	A light-activated theranostic nanoagent for targeted macrophage ablation in inflammatory atherosclerosis. <i>Small</i> , 2010 , 6, 2041-9	11	106
190	Clinical Characterization of Coronary Atherosclerosis With Dual-Modality OCT and Near-Infrared Autofluorescence Imaging. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1304-1314	8.4	104
189	Application and outcomes of a hybrid approach to chronic total occlusion percutaneous coronary intervention in a contemporary multicenter US registry. <i>International Journal of Cardiology</i> , 2015 , 198, 222-8	3.2	103
188	Rationale and design of the DeFACTO (Determination of Fractional Flow Reserve by Anatomic Computed Tomographic Angiography) study. <i>Journal of Cardiovascular Computed Tomography</i> , 2011 , 5, 301-9	2.8	95
187	Intravascular optical imaging technology for investigating the coronary artery. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 1022-39	8.4	93
186	The Hybrid Approach to Chronic Total Occlusion Percutaneous Coronary Intervention: Update From the PROGRESS CTO Registry. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 1325-1335	5	92

185	Musculoskeletal MR imaging at 4 T and at 1.5 T: comparison of relaxation times and image contrast. <i>Radiology</i> , 1995 , 196, 551-5	20.5	88
184	Clinical outcomes and cost-effectiveness of coronary computed tomography angiography in the evaluation of patients with chest pain. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 2409-22	15.1	73
183	An HDAC9-MALAT1-BRG1 complex mediates smooth muscle dysfunction in thoracic aortic aneurysm. <i>Nature Communications</i> , 2018 , 9, 1009	17.4	72
182	Near-infrared fluorescent imaging of cerebral thrombi and blood-brain barrier disruption in a mouse model of cerebral venous sinus thrombosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 226-33	7.3	72
181	Outcomes With the Use of the Retrograde Approach for Coronary Chronic Total Occlusion Interventions in a Contemporary Multicenter US Registry. <i>Circulation: Cardiovascular Interventions</i> , 2016 , 9,	6	69
180	A novel near-infrared fluorescence sensor for detection of thrombin activation in blood. <i>ChemBioChem</i> , 2002 , 3, 207-11	3.8	69
179	Clinical Utility of the Japan-Chronic Total Occlusion Score in Coronary Chronic Total Occlusion Interventions: Results from a Multicenter Registry. <i>Circulation: Cardiovascular Interventions</i> , 2015 , 8, e002171	6	68
178	The advancing clinical impact of molecular imaging in CVD. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 1327-41	8.4	68
177	Molecular imaging of fibrin deposition in deep vein thrombosis using fibrin-targeted near-infrared fluorescence. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 607-15	8.4	64
176	Multimodal nanoagents for the detection of intravascular thrombi. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1251-5	6.3	63
175	Cellular imaging of inflammation in atherosclerosis using magnetofluorescent nanomaterials. <i>Molecular Imaging</i> , 2006 , 5, 85-92	3.7	63
174	Transglutaminase activity in acute infarcts predicts healing outcome and left ventricular remodelling: implications for FXIII therapy and antithrombin use in myocardial infarction. <i>European Heart Journal</i> , 2008 , 29, 445-54	9.5	62
173	Novel factor XIII probes for blood coagulation imaging. <i>ChemBioChem</i> , 2003 , 4, 897-9	3.8	61
172	Targeted Near-Infrared Fluorescence Imaging of Atherosclerosis: Clinical and Intracoronary Evaluation of Indocyanine Green. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 1087-1095	8.4	61
171	Development and Validation of a Scoring System for Predicting Periprocedural Complications During Percutaneous Coronary Interventions of Chronic Total Occlusions: The Prospective Global Registry for the Study of Chronic Total Occlusion Intervention (PROGRESS CTO) Complications Score. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	57
170	Multifunctional nanoagent for thrombus-targeted fibrinolytic therapy. <i>Nanomedicine</i> , 2012 , 7, 1017-28	5.6	50
169	Scan reproducibility of magnetic resonance imaging assessment of aortic atherosclerosis burden. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2001 , 3, 331-8	6.9	49
168	Molecular imaging of macrophage protease activity in cardiovascular inflammation in vivo. <i>Thrombosis and Haemostasis</i> , 2011 , 105, 828-36	7	47

167	Incidence, Treatment, and Outcomes of Coronary Perforation During Chronic Total Occlusion Percutaneous Coronary Intervention. <i>American Journal of Cardiology</i> , 2017 , 120, 1285-1292	3	46
166	Assessment by cardiovascular magnetic resonance, electron beam computed tomography, and carotid ultrasonography of the distribution of subclinical atherosclerosis across Framingham risk strata. <i>American Journal of Cardiology</i> , 2007 , 99, 310-4	3	46
165	Intravascular near-infrared fluorescence molecular imaging of atherosclerosis: toward coronary arterial visualization of biologically high-risk plaques. <i>Journal of Biomedical Optics</i> , 2010 , 15, 011107	3.5	45
164	Pioglitazone suppresses inflammation in vivo in murine carotid atherosclerosis: novel detection by dual-target fluorescence molecular imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1933-9	9.4	45
163	Noninvasive imaging of apoptosis in cardiovascular disease. <i>Heart Failure Reviews</i> , 2008 , 13, 163-73	5	45
162	The evaluation of dielectric resonators containing H ₂ O or D ₂ O as RF coils for high-field MR imaging and spectroscopy. <i>Journal of Magnetic Resonance Series B</i> , 1996 , 110, 117-23		45
161	Detection of macrophage activity in atherosclerosis in vivo using multichannel, high-resolution laser scanning fluorescence microscopy. <i>Journal of Biomedical Optics</i> , 2006 , 11, 021009	3.5	40
160	Molecular imaging of myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 41, 921-33.8		40
159	An in vivo automated shimming method taking into account shim current constraints. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 898-904	4.4	40
158	Inflammation and neovascularization intertwined in atherosclerosis: imaging of structural and molecular imaging targets. <i>Circulation</i> , 2014 , 130, 786-94	16.7	39
157	Dual modality intravascular optical coherence tomography (OCT) and near-infrared fluorescence (NIRF) imaging: a fully automated algorithm for the distance-calibration of NIRF signal intensity for quantitative molecular imaging. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 259-68	2.5	37
156	Statins improve the resolution of established murine venous thrombosis: reductions in thrombus burden and vein wall scarring. <i>PLoS ONE</i> , 2015 , 10, e0116621	3.7	37
155	Intravascular fibrin molecular imaging improves the detection of unhealed stents assessed by optical coherence tomography in vivo. <i>European Heart Journal</i> , 2017 , 38, 447-455	9.5	37
154	Noninvasive assessment of myocardial inflammation by cardiovascular magnetic resonance in a rat model of experimental autoimmune myocarditis. <i>Circulation</i> , 2012 , 125, 2603-12	16.7	37
153	Imaging atherosclerosis and risk of plaque rupture. <i>Current Atherosclerosis Reports</i> , 2013 , 15, 359	6	36
152	The effect of matrix metalloproteinase 2 and matrix metalloproteinase 2/9 deletion in experimental post-thrombotic vein wall remodeling. <i>Journal of Vascular Surgery</i> , 2013 , 58, 1375-1384.e2 ^{3.5}		36
151	Projected cost-effectiveness of smoking cessation interventions in patients hospitalized with myocardial infarction. <i>Archives of Internal Medicine</i> , 2011 , 171, 39-45		36
150	Multimodality Cardiovascular Imaging in the Midst of the COVID-19 Pandemic: Ramping Up Safely to a New Normal. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1615-1626	8.4	35

149	Use of antegrade dissection re-entry in coronary chronic total occlusion percutaneous coronary intervention in a contemporary multicenter registry. <i>International Journal of Cardiology</i> , 2016 , 214, 428-37 ²	3.2	35
148	Atheroma Susceptible to Thrombosis Exhibit Impaired Endothelial Permeability In Vivo as Assessed by Nanoparticle-Based Fluorescence Molecular Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	34
147	Matrix metalloproteinase-9 deletion is associated with decreased mid-term vein wall fibrosis in experimental stasis DVT. <i>Thrombosis Research</i> , 2013 , 132, 360-6	8.2	34
146	Definitions and Clinical Trial Design Principles for Coronary Artery Chronic Total Occlusion Therapies: CTO-ARC Consensus Recommendations. <i>Circulation</i> , 2021 , 143, 479-500	16.7	34
145	Randomized Comparison of a CrossBoss First Versus Standard Wire Escalation Strategy for Crossing Coronary Chronic Total Occlusions: The CrossBoss First Trial. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 225-233	5	33
144	A method to improve the B0 homogeneity of the heart in vivo. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 375-83	4.4	33
143	Comparison of various scores for predicting success of chronic total occlusion percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2016 , 224, 50-56	3.2	32
142	Real-time fusion of coronary CT angiography with x-ray fluoroscopy during chronic total occlusion PCI. <i>European Radiology</i> , 2017 , 27, 2464-2473	8	32
141	¹⁸ F-fluorodeoxyglucose positron emission tomography/computed tomography enables the detection of recurrent same-site deep vein thrombosis by illuminating recently formed, neutrophil-rich thrombus. <i>Circulation</i> , 2014 , 130, 1044-52	16.7	31
140	Initial Findings From the North American COVID-19 Myocardial Infarction Registry. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 1994-2003	15.1	29
139	Subject-specific estimation of central aortic blood pressure using an individualized transfer function: a preliminary feasibility study. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2012 , 16, 212-20		28
138	Residual thrombogenic substrate after rupture of a lipid-rich plaque: possible mechanism of acute stent thrombosis?. <i>Circulation</i> , 2010 , 122, 2349-50	16.7	28
137	Near Infrared Fluorescence (NIRF) Molecular Imaging of Oxidized LDL with an Autoantibody in Experimental Atherosclerosis. <i>Scientific Reports</i> , 2016 , 6, 21785	4.9	27
136	SCAI position statement on optimal percutaneous coronary interventional therapy for complex coronary artery disease. <i>Catheterization and Cardiovascular Interventions</i> , 2020 , 96, 346-362	2.7	26
135	Molecular imaging of atherosclerosis: clinical state-of-the-art. <i>Heart</i> , 2014 , 100, 1469-77	5.1	26
134	Prevalence, indications and management of balloon uncrossable chronic total occlusions: Insights from a contemporary multicenter US registry. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 90, 12-20	2.7	25
133	Procedural Outcomes of Percutaneous Coronary Interventions for Chronic Total Occlusions Via the Radial Approach: Insights From an International Chronic Total Occlusion Registry. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 346-358	5	24
132	Inflammation modulates murine venous thrombosis resolution in vivo: assessment by multimodal fluorescence molecular imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2616-24	9.4	24

131	Intravascular laser speckle imaging catheter for the mechanical evaluation of the arterial wall. <i>Journal of Biomedical Optics</i> , 2011 , 16, 026005	3.5	23
130	Impact of Calcium on Chronic Total Occlusion Percutaneous Coronary Interventions. <i>American Journal of Cardiology</i> , 2017 , 120, 40-46	3	22
129	In vivo near infrared fluorescence (NIRF) intravascular molecular imaging of inflammatory plaque, a multimodal approach to imaging of atherosclerosis. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	22
128	Advances in molecular imaging of atherosclerotic vascular disease. <i>Current Opinion in Cardiology</i> , 2008 , 23, 620-8	2.1	22
127	High-resolution molecular imaging via intravital microscopy: illuminating vascular biology in vivo. <i>Integrative Biology (United Kingdom)</i> , 2013 , 5, 278-90	3.7	21
126	Near-infrared fluorescence catheter system for two-dimensional intravascular imaging in vivo. <i>Optics Express</i> , 2010 , 18, 11372-81	3.3	21
125	Development of a near infrared fluorescence catheter: operating characteristics and feasibility for atherosclerotic plaque detection. <i>Journal Physics D: Applied Physics</i> , 2005 , 38, 2701-2707	3	21
124	Inhibition of the methyltransferase EZH2 improves aortic performance in experimental thoracic aortic aneurysm. <i>JCI Insight</i> , 2018 , 3,	9.9	21
123	Global Chronic Total Occlusion Crossing Algorithm: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2021 , 78, 840-853	15.1	21
122	Metabolic and Molecular Imaging of Atherosclerosis and Venous Thromboembolism. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 871-877	8.9	20
121	Quantitative intravascular biological fluorescence-ultrasound imaging of coronary and peripheral arteries in vivo. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 1253-1261	4.1	20
120	Radiofrequency shielding of surface coils at 4.0 T. <i>Journal of Magnetic Resonance Imaging</i> , 1995 , 5, 773-75.6		20
119	Use of Intravascular Imaging During Chronic Total Occlusion Percutaneous Coronary Intervention: Insights From a Contemporary Multicenter Registry. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	20
118	In-Hospital Outcomes of Chronic Total Occlusion Percutaneous Coronary Interventions in Patients With Prior Coronary Artery Bypass Graft Surgery. <i>Circulation: Cardiovascular Interventions</i> , 2019 , 12, e007338	6	19
117	Cangrelor in cardiogenic shock and after cardiopulmonary resuscitation: A global, multicenter, matched pair analysis with oral P2Y inhibition from the IABP-SHOCK II trial. <i>Resuscitation</i> , 2019 , 137, 205-212	4	19
116	Case records of the Massachusetts General Hospital. Case 28-2010. A 32-year-old woman, 3 weeks post partum, with substernal chest pain. <i>New England Journal of Medicine</i> , 2010 , 363, 1164-73	59.2	19
115	Usefulness of Atherectomy in Chronic Total Occlusion Interventions (from the PROGRESS-CTO Registry). <i>American Journal of Cardiology</i> , 2019 , 123, 1422-1428	3	18
114	3D cellular-resolution imaging in arteries using few-mode interferometry. <i>Light: Science and Applications</i> , 2019 , 8, 104	16.7	18

113	Guidewire and microcatheter utilization patterns during antegrade wire escalation in chronic total occlusion percutaneous coronary intervention: Insights from a contemporary multicenter registry. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 89, E90-E98	2.7	17
112	Effect of Previous Failure on Subsequent Procedural Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention (from a Contemporary Multicenter Registry). <i>American Journal of Cardiology</i> , 2016 , 117, 1267-71	3	17
111	Endotoxaemia-augmented murine venous thrombosis is dependent on TLR-4 and ICAM-1, and potentiated by neutropenia. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 339-348	7	17
110	Advances in fluorescence imaging of the cardiovascular system. <i>Journal of Nuclear Cardiology</i> , 2008 , 15, 417-28	2.1	17
109	The functional assessment of patients with non-obstructive coronary artery disease: expert review from an international microcirculation working group. <i>EuroIntervention</i> , 2019 , 14, 1694-1702	3.1	17
108	Blood Accessibility to Fibrin in Venous Thrombosis is Thrombus Age-Dependent and Predicts Fibrinolytic Efficacy: An In Vivo Fibrin Molecular Imaging Study. <i>Theranostics</i> , 2015 , 5, 1317-27	12.1	16
107	Intravascular multispectral optoacoustic tomography of atherosclerosis: prospects and challenges. <i>Imaging in Medicine</i> , 2012 , 4, 299-310	1	16
106	A branched fluorescent peptide probe for imaging of activated platelets. <i>Molecular Pharmaceutics</i> , 2005 , 2, 92-5	5.6	16
105	Myeloid-related protein-14 regulates deep vein thrombosis. <i>JCI Insight</i> , 2017 , 2,	9.9	16
104	Prevalence, Presentation and Treatment of Balloon Undilatable Chronic Total Occlusions: Insights from a Multicenter US Registry. <i>Catheterization and Cardiovascular Interventions</i> , 2018 , 91, 657-666	2.7	15
103	Case records of the Massachusetts General Hospital. Case 28-2013. A 52-year-old man with cardiac arrest after an acute myocardial infarction. <i>New England Journal of Medicine</i> , 2013 , 369, 1047-54	59.2	15
102	Intravascular near-infrared fluorescence molecular imaging of atherosclerosis. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013 , 3, 217-31	2.2	14
101	The year in molecular imaging. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 1181-95	8.4	13
100	HDAC9 complex inhibition improves smooth muscle-dependent stenotic vascular disease. <i>JCI Insight</i> , 2019 , 4,	9.9	13
99	Angina Severity, Depression, and Response to Percutaneous Revascularization in Patients With Chronic Total Occlusion of Coronary Arteries. <i>Journal of Invasive Cardiology</i> , 2016 , 28, 44-51	0.7	13
98	Everolimus-eluting stents stabilize plaque inflammation in vivo: assessment by intravascular fluorescence molecular imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 510-518	4.1	12
97	Retrograde Chronic Total Occlusion Percutaneous Coronary Intervention via Saphenous Vein Graft. <i>JACC: Cardiovascular Interventions</i> , 2020 , 13, 517-526	5	12
96	Multidisciplinary Heart Team Approach for Complex Coronary Artery Disease: Single Center Clinical Presentation. <i>Journal of the American Heart Association</i> , 2020 , 9, e014738	6	12

95	Predictors of Excess Patient Radiation Exposure During Chronic Total Occlusion Coronary Intervention: Insights From a Contemporary Multicentre Registry. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 478-484	3.8	12
94	Contrast Utilization During Chronic Total Occlusion Percutaneous Coronary Intervention: Insights From a Contemporary Multicenter Registry. <i>Journal of Invasive Cardiology</i> , 2016 , 28, 288-94	0.7	12
93	Depression and Angina Among Patients Undergoing Chronic Total Occlusion Percutaneous Coronary Intervention: The OPEN-CTO Registry. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 651-658	5	11
92	Examining the Operator Learning Curve for Percutaneous Coronary Intervention of Chronic Total Occlusions. <i>Circulation: Cardiovascular Interventions</i> , 2019 , 12, e007877	6	11
91	High-resolution optical mapping of inflammatory macrophages following endovascular arterial injury. <i>Molecular Imaging and Biology</i> , 2013 , 15, 282-9	3.8	11
90	Imaging inflammation and neovascularization in atherosclerosis: clinical and translational molecular and structural imaging targets. <i>Current Opinion in Cardiology</i> , 2015 , 30, 671-80	2.1	11
89	Technical and procedural outcomes of the retrograde approach to chronic total occlusion interventions. <i>EuroIntervention</i> , 2020 , 16, e891-e899	3.1	11
88	Retrograde CTO-PCI of Native Coronary Arteries Via Left Internal Mammary Artery Grafts: Insights From a Multicenter U.S. Registry. <i>Journal of Invasive Cardiology</i> , 2018 , 30, 89-96	0.7	11
87	The year in molecular imaging. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 317-28	8.4	10
86	Outcomes of subintimal plaque modification in chronic total occlusion percutaneous coronary intervention. <i>Catheterization and Cardiovascular Interventions</i> , 2020 , 96, 1029-1035	2.7	10
85	Cardiac Imaging in the Post-ISCHEMIA Trial Era: A Multisociety Viewpoint. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 1815-1833	8.4	10
84	Molecular intravascular imaging approaches for atherosclerosis. <i>Current Cardiovascular Imaging Reports</i> , 2014 , 7, 9293	0.7	9
83	In vivo nanoparticle assessment of pathological endothelium predicts the development of inflow stenosis in murine arteriovenous fistula. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 189-96	9.4	9
82	Cardiovascular Mortality and Exposure to Heat in an Inherently Hot Region: Implications for Climate Change. <i>Circulation</i> , 2020 , 141, 1271-1273	16.7	8
81	Detection and treatment of intravascular thrombi with magnetofluorescent nanoparticles. <i>Methods in Enzymology</i> , 2012 , 508, 191-209	1.7	8
80	Improving quantification of intravascular fluorescence imaging using structural information. <i>Physics in Medicine and Biology</i> , 2012 , 57, 6395-406	3.8	8
79	Ly6Clo Monocyte/Macrophages are Essential for Thrombus Resolution in a Murine Model of Venous Thrombosis. <i>Thrombosis and Haemostasis</i> , 2020 , 120, 289-299	7	8
78	Intravascular NIRF Molecular Imaging Approaches in Coronary Artery Disease. <i>Current Cardiovascular Imaging Reports</i> , 2016 , 9, 1	0.7	8

77	Prevalence and Outcomes of Percutaneous Coronary Interventions for Ostial Chronic Total Occlusions: Insights From a Multicenter Chronic Total Occlusion Registry. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1264-1274	3.8	8
76	Mechanical Circulatory Support in Chronic Total Occlusion Percutaneous Coronary Intervention: Insights From a Multicenter U.S. Registry. <i>Journal of Invasive Cardiology</i> , 2018 , 30, 81-87	0.7	8
75	Molecular Imaging of Atherosclerosis: A Clinical Focus. <i>Current Cardiovascular Imaging Reports</i> , 2017 , 10, 1	0.7	7
74	Target Vessel Revascularization and Territory of Myocardial Ischemia in Patients With Chronic Total Occlusions. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 1196-1197	15.1	7
73	Impact of diabetes mellitus on acute outcomes of percutaneous coronary intervention in chronic total occlusions: insights from a US multicentre registry. <i>Diabetic Medicine</i> , 2017 , 34, 558-562	3.5	7
72	Approaches to percutaneous coronary intervention of right coronary artery chronic total occlusions: insights from a multicentre US registry. <i>EuroIntervention</i> , 2016 , 12, e1326-e1335	3.1	7
71	Paclitaxel Drug-Coated Balloon Angioplasty Suppresses Progression and Inflammation of Experimental Atherosclerosis in Rabbits. <i>JACC Basic To Translational Science</i> , 2020 , 5, 685-695	8.7	7
70	Computed tomography angiography co-registration with real-time fluoroscopy in percutaneous coronary intervention for chronic total occlusions. <i>EuroIntervention</i> , 2021 , 17, e433-e435	3.1	7
69	Biological imaging of atherosclerosis: moving beyond anatomy. <i>Journal of Cardiovascular Translational Research</i> , 2013 , 6, 681-94	3.3	6
68	Emerging Molecular Targets for Intravascular Imaging of High-Risk Plaques. <i>Current Cardiovascular Imaging Reports</i> , 2010 , 3, 237-247	0.7	6
67	Time-Restricted Salutary Effects of Blood Flow Restoration on Venous Thrombosis and Vein Wall Injury in Mouse and Human Subjects. <i>Circulation</i> , 2021 , 143, 1224-1238	16.7	6
66	Gram-Negative Pneumonia Alters Large-Vein Cell-Adhesion Molecule Profile and Potentiates Experimental Stasis Venous Thrombosis. <i>Journal of Vascular Research</i> , 2016 , 53, 186-195	1.9	6
65	Impact of Proximal Cap Ambiguity on Outcomes of Chronic Total Occlusion Percutaneous Coronary Intervention: Insights From a Multicenter US Registry. <i>Journal of Invasive Cardiology</i> , 2016 , 28, 391-396	0.7	6
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