

# Akiko Maehara

## List of Publications by Year in descending order

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Version: 2024-02-01

278  
papers

18,658  
citations

20036

63  
h-index

16186

128  
g-index

285  
all docs

285  
docs citations

285  
times ranked

11541  
citing authors

#	ARTICLE	IF	CITATIONS
1	OCT-Defined Myocardial Bridge as a Homogenous Band: Validation With a Hybrid IVUS-OCT Catheter. <i>Cardiovascular Revascularization Medicine</i> , 2023, 46, 122-123.	0.3	2
2	1-Year Outcomes of Blinded Physiological Assessment of Residual Ischemia After Successful PCI. <i>JACC: Cardiovascular Interventions</i> , 2022, 15, 52-61.	1.1	35
3	Image-based biomechanical modeling for coronary atherosclerotic plaque progression and vulnerability prediction. <i>International Journal of Cardiology</i> , 2022, 352, 1-8.	0.8	6
4	Randomized evaluation of vessel preparation with orbital atherectomy prior to drug-eluting stent implantation in severely calcified coronary artery lesions: Design and rationale of the ECLIPSE trial. <i>American Heart Journal</i> , 2022, 249, 1-11.	1.2	13
5	Optical Coherence Tomography- Versus Angiography-Guided Magnesium Bioresorbable Scaffold Implantation in NSTEMI Patients. <i>Cardiovascular Revascularization Medicine</i> , 2022, 40, 101-110.	0.3	2
6	Reasons for lesion uncrossability as assessed by intravascular ultrasound. <i>Catheterization and Cardiovascular Interventions</i> , 2022, , .	0.7	2
7	Intravascular Imaging to Guide Percutaneous Coronary Intervention Will Be Mandatory Soon. <i>Circulation: Cardiovascular Interventions</i> , 2022, 15, 101161CIRCINTERVENTIONS122012120.	1.4	2
8	Letter to the Editor in response to "Myocardial bridging is significantly associated to myocardial infarction with non-obstructive coronary arteries" by Matta et al. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2022, 11, 580-580.	0.4	2
9	Directional versus orbital atherectomy of femoropopliteal artery lesions: Angiographic and intravascular ultrasound outcomes. <i>Catheterization and Cardiovascular Interventions</i> , 2022, 100, 687-695.	0.7	2
10	Influence of Plaque Characteristics on Early Vascular Healing in Patients With ST-Elevation Myocardial Infarction. <i>Cardiovascular Revascularization Medicine</i> , 2021, 30, 50-58.	0.3	1
11	Left coronary artery calcification patterns after coronary bypass graft surgery: An in vivo optical coherence tomography study. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, 483-491.	0.7	4
12	One-year outcomes of supersaturated oxygen therapy in acute anterior myocardial infarction: The ICACHEHOT study. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, 1120-1126.	0.7	13
13	Use of intracoronary imaging to guide optimal percutaneous coronary intervention procedures and outcomes. <i>Heart</i> , 2021, 107, 755-764.	1.2	10
14	Coronary Optical Coherence Tomography and Cardiac Magnetic Resonance Imaging to Determine Underlying Causes of Myocardial Infarction With Nonobstructive Coronary Arteries in Women. <i>Circulation</i> , 2021, 143, 624-640.	1.6	180
15	External elastic lamina vs. luminal diameter measurement for determining stent diameter by optical coherence tomography: an ILUMIEN III substudy. <i>European Heart Journal Cardiovascular Imaging</i> , 2021, 22, 753-759.	0.5	13
16	Intravascular Ultrasound in Chronic Total Occlusion Percutaneous Coronary Intervention. <i>Interventional Cardiology Clinics</i> , 2021, 10, 75-85.	0.2	2
17	Outcomes of retrograde chronic total occlusion percutaneous coronary intervention: A report from the OPEN-CTO registry. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, 1162-1173.	0.7	19
18	Calcific Plaque Modification by Acoustic Shock Waves. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e009354.	1.4	42

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19	Relationship between insulin resistance, coronary plaque, and clinical outcomes in patients with acute coronary syndromes: an analysis from the PROSPECT study. <i>Cardiovascular Diabetology</i> , 2021, 20, 10.	2.7	12
20	Optical coherence tomography-guided coronary stent implantation compared to angiography: a multicentre randomised trial in PCI â€“ design and rationale of ILUMIEN IV: OPTIMAL PCI. <i>EuroIntervention</i> , 2021, 16, 1092-1099.	1.4	73
21	Coronary Artery Healing Process after Bioresorbable Scaffold in Patients with Non-ST-Segment Elevation Myocardial Infarction: Rationale, Design, and Methodology of the HONEST Study. <i>Cardiology</i> , 2021, 146, 1-11.	0.6	0
22	Which â€œGood Stent Expansionâ€•s â€œThe Bestâ€?. <i>Cardiovascular Revascularization Medicine</i> , 2021, 24, 55-56.	0.3	1
23	Optical Coherence Tomography Versus Intravascular Ultrasound Versus Angiography, Once Again. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e010593.	1.4	0
24	Therapeutic Approach to Calcified Coronary Lesions: Disruptive Technologies. <i>Current Cardiology Reports</i> , 2021, 23, 33.	1.3	18
25	Identification of vulnerable plaques and patients by intracoronary near-infrared spectroscopy and ultrasound (PROSPECT II): a prospective natural history study. <i>Lancet, The</i> , 2021, 397, 985-995.	6.3	208
26	Predicting plaque vulnerability change using intravascular ultrasound+â€“optical coherence tomography image-based fluidâ€“structure interaction models and machine learning methods with patient follow-up data: a feasibility study. <i>BioMedical Engineering OnLine</i> , 2021, 20, 34.	1.3	10
27	Intracoronary optical coherence tomography: state of the art and future directions. <i>EuroIntervention</i> , 2021, 17, e105-e123.	1.4	55
28	Optical Coherence Tomography in Acute Coronary Syndromes. <i>Interventional Cardiology Clinics</i> , 2021, 10, 323-332.	0.2	2
29	Comparison of 6â€“month vascular healing response after bioresorbable polymer versus durable polymer drugâ€“eluting stent implantation in patients with acute coronary syndromes: A randomized serial optical coherence tomography study. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, E677-E686.	0.7	3
30	Stent Expansion Indexes to Predict Clinical Outcomes. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 1639-1650.	1.1	32
31	Using Optical Coherence Tomography and Intravascular Ultrasound Imaging to Quantify Coronary Plaque Cap Stress/Strain and Progression: A Follow-Up Study Using 3D Thin-Layer Models. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 713525.	2.0	11
32	Clinical determinants of coronary artery disease burden and vulnerability using optical coherence tomography co-registered with intravascular ultrasound. <i>Coronary Artery Disease</i> , 2021, Publish Ahead of Print, .	0.3	3
33	Clinical outcomes of low-intensity area without attenuation and cholesterol crystals in non-culprit lesions assessed by optical coherence tomography. <i>Atherosclerosis</i> , 2021, 332, 41-47.	0.4	8
34	Response by Reynolds et al to Letters Regarding Article, â€œCoronary Optical Coherence Tomography and Cardiac Magnetic Resonance Imaging to Determine Underlying Causes of Myocardial Infarction With Nonobstructive Coronary Arteries in Womenâ€• <i>Circulation</i> , 2021, 144, e209-e210.	1.6	11
35	Outcomes of retrograde approach for chronic total occlusions by guidewire location. <i>EuroIntervention</i> , 2021, 17, e647-e655.	1.4	5
36	Intravascular Ultrasoundâ€“Derived Calcium Score to Predict Stent Expansionâ€“ in Severely Calcified Lesions. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e010296.	1.4	54

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37	Influence of Ezetimibe on Plaque Morphology in Patients with ST Elevation Myocardial Infarction Assessed by Optical Coherence Tomography: An OCTIVUS Sub-Study. <i>Cardiovascular Revascularization Medicine</i> , 2020, 21, 1417-1424.	0.3	9
38	Heterogeneity of Plaque Structural Stress Is Increased in Plaques Leading to MACE. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1206-1218.	2.3	40
39	Plaque burden can be assessed using intravascular optical coherence tomography and a dedicated automated processing algorithm: a comparison study with intravascular ultrasound. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 640-652.	0.5	18
40	Comparison of Age (<75 Years Vs ≥75 Years) and Platelet Reactivity to the Risk of Thrombotic and Bleeding Events After Successful Percutaneous Coronary Intervention With Drug-Eluting Stents (from the ADAPT-DES Study). <i>American Journal of Cardiology</i> , 2020, 125, 685-693.	0.7	1
41	Prognostic impact of healed coronary plaque in non-culprit lesions assessed by optical coherence tomography. <i>Atherosclerosis</i> , 2020, 309, 1-7.	0.4	30
42	Intravascular Imaging-Guided Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2020, 13, e008686.	1.4	27
43	Recognition of Recurrent Stent Failure Due to Calcified Nodule. <i>JACC: Case Reports</i> , 2020, 2, 1879-1881.	0.3	3
44	The relationship between coronary artery calcium density and optical coherence tomography-derived plaque characteristics. <i>Atherosclerosis</i> , 2020, 311, 30-36.	0.4	3
45	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient: A Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1177-1183.	0.5	29
46	Chronic stent recoil in severely calcified coronary artery lesions. A serial optical coherence tomography study. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 1617-1626.	0.7	4
47	Vulnerable plaques and patients: state-of-the-art. <i>European Heart Journal</i> , 2020, 41, 2997-3004.	1.0	98
48	A case report of a coronary myocardial bridge with impaired full-cycle ratio during dobutamine challenge. <i>European Heart Journal - Case Reports</i> , 2020, 4, 1-4.	0.3	4
49	2-Year Outcomes After Stenting of Lipid-Rich and Nonrich Coronary Plaques. <i>Journal of the American College of Cardiology</i> , 2020, 75, 1371-1382.	1.2	15
50	Evaluation of safety and efficacy of coronary intravascular lithotripsy for treatment of severely calcified coronary stenoses: Design and rationale for the Disrupt CAD III trial. <i>American Heart Journal</i> , 2020, 225, 10-18.	1.2	23
51	IVUS guidance during left main PCI: not if, but when and how. <i>EuroIntervention</i> , 2020, 16, 189-191.	1.4	1
52	Culprit lesion morphology in patients with ST-segment elevation myocardial infarction assessed by optical coherence tomography. <i>Coronary Artery Disease</i> , 2020, 31, 671-677.	0.3	0
53	Optical Coherence Tomography Assessment of Morphological Characteristics in Suspected Coronary Artery Disease, but Angiographically Nonobstructive Lesions. <i>Cardiovascular Revascularization Medicine</i> , 2019, 20, 475-479.	0.3	12
54	How Cox models react to a study-specific confounder in a patient-level pooled dataset: random effects better cope with an imbalanced covariate across trials unless baseline hazards differ. <i>Journal of Applied Statistics</i> , 2019, 46, 1903-1916.	0.6	1

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55	Intravascular imaging and coronary calcification. , 2019, , 125-157.		0
56	Blinded Physiological Assessment of Residual Ischemia After Successful Angiographic Percutaneous Coronary Intervention. JACC: Cardiovascular Interventions, 2019, 12, 1991-2001.	1.1	147
57	TCT-51 IVUS Predictors of Stent Expansion in Severely Calcified Lesions. Journal of the American College of Cardiology, 2019, 74, B51.	1.2	2
58	Relationship Between Stent Diameter, Platelet Reactivity, and Thrombotic Events After Percutaneous Coronary Artery Revascularization. American Journal of Cardiology, 2019, 124, 1363-1371.	0.7	4
59	Safety and Effectiveness of Coronary Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses. Circulation: Cardiovascular Interventions, 2019, 12, e008434.	1.4	234
60	Feasibility of Shockwave Coronary Intravascular Lithotripsy for the Treatment of Calcified Coronary Stenoses. Circulation, 2019, 139, 834-836.	1.6	226
61	A Multimodality Image-Based Fluid-Structure Interaction Modeling Approach for Prediction of Coronary Plaque Progression Using IVUS and Optical Coherence Tomography Data With Follow-Up. Journal of Biomechanical Engineering, 2019, 141, .	0.6	10
62	Clinical use of intracoronary imaging. Part 2: acute coronary syndromes, ambiguous coronary angiography findings, and guiding interventional decision-making: an expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. European Heart Journal, 2019, 40, 2566-2584.	1.0	189
63	Recognition of calcified neoatherosclerosis. Coronary Artery Disease, 2019, 30, 9-10.	0.3	0
64	Effect of cutting balloon after rotational atherectomy in severely calcified coronary artery lesions as assessed by optical coherence tomography. Catheterization and Cardiovascular Interventions, 2019, 94, 936-944.	0.7	28
65	The Relation Between Optical Coherence Tomography-Detected Layered Pattern and Acute Side Branch Occlusion after Provisional Stenting of Coronary Bifurcation Lesions. Cardiovascular Revascularization Medicine, 2019, 20, 1007-1013.	0.3	4
66	Intravascular Ultrasound Assessment of In-Stent Restenosis in Saphenous Vein Grafts. American Journal of Cardiology, 2019, 123, 1052-1059.	0.7	6
67	A prospective, single-center, randomized study to assess whether automated coregistration of optical coherence tomography with angiography can reduce geographic miss. Catheterization and Cardiovascular Interventions, 2019, 93, 411-418.	0.7	12
68	Effect of orbital atherectomy in calcified coronary artery lesions as assessed by optical coherence tomography. Catheterization and Cardiovascular Interventions, 2019, 93, 1211-1218.	0.7	15
69	Intravascular ultrasound analysis of intraplaque versus subintimal tracking in percutaneous intervention for coronary chronic total occlusions: One year outcomes. Catheterization and Cardiovascular Interventions, 2019, 93, 1048-1056.	0.7	18
70	Impact of Point-of-Care Platelet Function Testing Among Patients With and Without Acute Coronary Syndromes Undergoing Percutaneous Coronary Intervention With Drug-Eluting Stents (from the Tj ETQq0 0 0 rgB0, /Overlock 10 Tf 50		
71	Evaluation of intracoronary hyperoxemic oxygen therapy in acute anterior myocardial infarction: The IC-HOT study. Catheterization and Cardiovascular Interventions, 2019, 93, 882-890.	0.7	26
72	Impact of Pre-Diabetes on Coronary Plaque Composition and Clinical Outcome in Patients With Acute Coronary Syndromes. JACC: Cardiovascular Imaging, 2019, 12, 733-741.	2.3	17

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73	Qualitative resting coronary pressure wave form analysis to predict fractional flow reserve. <i>EuroIntervention</i> , 2019, 14, e1601-e1608.	1.4	3
74	The effectiveness of excimer laser angioplasty to treat coronary in-stent restenosis with peri-stent calcium as assessed by optical coherence tomography. <i>EuroIntervention</i> , 2019, 15, e279-e288.	1.4	55
75	Left anterior descending artery wrapping around the left ventricular apex predicts additional risk of future events after anterior myocardial infarction. <i>Anatolian Journal of Cardiology</i> , 2019, 21, 259-260.	0.5	1
76	Intravascular ultrasound assessment of the effects of rotational atherectomy in calcified coronary artery lesions. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 1365-1371.	0.7	17
77	Morphological Patterns of In-Stent Chronic Total Occlusions. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 711-714.	1.1	4
78	Utility of intracoronary imaging in the cardiac catheterization laboratory: comprehensive evaluation with intravascular ultrasound and optical coherence tomography. <i>British Medical Bulletin</i> , 2018, 125, 79-90.	2.7	12
79	Fluid-structure interaction models based on patient-specific IVUS at baseline and follow-up for prediction of coronary plaque progression by morphological and biomechanical factors: A preliminary study. <i>Journal of Biomechanics</i> , 2018, 68, 43-50.	0.9	19
80	Bleeding Severity After Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e005542.	1.4	13
81	Role of Low Endothelial Shear Stress and Plaque Characteristics in the Prediction of Nonculprit Major Adverse Cardiac Events. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 462-471.	2.3	124
82	IVUS- Versus OCT-Guided Coronary Stent Implantation: a Comparison of Intravascular Imaging for Stent Optimization. <i>Current Cardiovascular Imaging Reports</i> , 2018, 11, 1.	0.4	3
83	Relationship Between Intravascular Ultrasound Guidance and Clinical Outcomes After Drug-Eluting Stents. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e006243.	1.4	44
84	Neointimal Strut Coverage and Resolution of Malapposition After Stenting Preceded by Orbital Atherectomy When Treating Severely Calcified Lesions. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2548-2550.	1.1	2
85	Predictors of Calcium Fracture Derived From Balloon Angioplasty and its Effect on Stent Expansion Assessed by Optical Coherence Tomography. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1015-1017.	1.1	49
86	Algorithmic Approach for Optical Coherence Tomography-Guided Stent Implantation During Percutaneous Coronary Intervention. <i>Interventional Cardiology Clinics</i> , 2018, 7, 329-344.	0.2	21
87	Imaging-guided pre-dilatation, stenting, post-dilatation: a protocolized approach highlighting the importance of intravascular imaging for implantation of bioresorbable scaffolds. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 431-440.	0.6	8
88	A new optical coherence tomography-based calcium scoring system to predict stent underexpansion. <i>EuroIntervention</i> , 2018, 13, 2182-2189.	1.4	255
89	Validation of a novel non-hyperaemic index of coronary artery stenosis severity: the Resting Full-cycle Ratio (VALIDATE RFR) study. <i>EuroIntervention</i> , 2018, 14, 806-814.	1.4	157
90	Angiographic predictors of 2-year stent thrombosis in patients receiving drug-eluting stents: Insights from the ADAPT-DES study. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 89, 26-35.	0.7	16

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91	Sex Differences in the Clinical Impact of High Platelet Reactivity After Percutaneous Coronary Intervention With Drug-Eluting Stents. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	1.4	27
92	Neoatherosclerosis assessed with optical coherence tomography in restenotic bare metal and first- and second-generation drug-eluting stents. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1115-1124.	0.7	22
93	Relationship between therapeutic effects on infarct size in acute myocardial infarction and therapeutic effects on 1-year outcomes: A patient-level analysis of randomized clinical trials. <i>American Heart Journal</i> , 2017, 188, 18-25.	1.2	17
94	Iterative Image Reconstruction Improves the Accuracy of Automated Plaque Burden Assessment in Coronary CT Angiography: A Comparison With Intravascular Ultrasound. <i>American Journal of Roentgenology</i> , 2017, 208, 777-784.	1.0	14
95	Tissue characterization and phenotype classification in patients presenting with acute myocardial infarction: Insights from the iWonder study. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 90, 1107-1114.	0.7	5
96	Percutaneous Coronary Intervention of Saphenous Vein Graft. <i>Circulation: Cardiovascular Interventions</i> , 2017, 10, .	1.4	35
97	Intravascular Ultrasound Analysis of Intraplaque Versus Subintimal Tracking in Percutaneous Intervention for Coronary Chronic Total Occlusions and Association With Procedural Outcomes. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1011-1021.	1.1	63
98	Coronary Plaque Characteristics in Hemodialysis-Dependent Patients as Assessed by Optical Coherence Tomography. <i>American Journal of Cardiology</i> , 2017, 119, 1313-1319.	0.7	19
99	Intravascular ultrasound and near-infrared spectroscopic features of coronary lesions with intraplaque haemorrhage. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1222-1228.	0.5	18
100	Two-year outcomes after percutaneous coronary intervention of calcified lesions with drug-eluting stents. <i>International Journal of Cardiology</i> , 2017, 231, 61-67.	0.8	71
101	High-Risk Coronary Atherosclerosis. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	7
102	Serial 3-Vessel Optical Coherence Tomography and Intravascular Ultrasound Analysis of Changing Morphologies Associated With Lesion Progression in Patients With Stable Angina Pectoris. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	43
103	Comparison of plaque morphology between peripheral and coronary artery disease (from the CLARITY) Tj ETQq1 1 0.784314 17 BT /Ov 0.3	0.3	17
104	Impact of chronic statin therapy on clinical presentation and underlying lesion morphology in patients undergoing percutaneous intervention. <i>Coronary Artery Disease</i> , 2017, 28, 218-224.	0.3	4
105	Accuracy of Fractional Flow Reserve Measurements in Clinical Practice. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1392-1401.	1.1	49
106	Relationship between microvascular obstruction and adverse events following primary percutaneous coronary intervention for ST-segment elevation myocardial infarction: an individual patient data pooled analysis from seven randomized trials. <i>European Heart Journal</i> , 2017, 38, 3502-3510.	1.0	271
107	Intracoronary Imaging, Cholesterol Efflux, and Transcriptomics after Intensive Statin Treatment in Diabetes. <i>Scientific Reports</i> , 2017, 7, 7001.	1.6	12
108	Clinical Utility of Virtual Histology Intravascular Ultrasound. <i>Current Cardiovascular Imaging Reports</i> , 2017, 10, 1.	0.4	0



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109	Optical Coherence Tomography Characterization of Coronary Lithoplasty for Treatment of Calcified Lesions. JACC: Cardiovascular Imaging, 2017, 10, 897-906.	2.3	183
110	Prevalence, Predictors, and Clinical Presentation of a Calcified Nodule as Assessed by Optical Coherence Tomography. JACC: Cardiovascular Imaging, 2017, 10, 883-891.	2.3	112
111	In Vivo Calcium Detection by Comparing Optical Coherence Tomography, Intravascular Ultrasound, and Angiography. JACC: Cardiovascular Imaging, 2017, 10, 869-879.	2.3	129
112	Does calcium burden impact culprit lesion morphology and clinical results? An ADAPT-DES IVUS substudy. International Journal of Cardiology, 2017, 248, 97-102.	0.8	9
113	IVUS-Guided Versus OCT-Guided Coronary Stent Implantation. JACC: Cardiovascular Imaging, 2017, 10, 1487-1503.	2.3	164
114	Utility of near-infrared spectroscopy for detection of thin-cap neoatherosclerosis. European Heart Journal Cardiovascular Imaging, 2017, 18, 663-669.	0.5	8
115	Relation Between Renal Function and Coronary Plaque Morphology (from the Assessment of Dual) Tj ETQq1 1 0.784314 rgBT /Overlook American Journal of Cardiology, 2017, 119, 217-224.	0.7	4
116	Intravascular Ultrasound and Near-Infrared Spectroscopic Characterization of Thin-Cap Fibroatheroma. American Journal of Cardiology, 2017, 119, 372-378.	0.7	13
117	Fractional Flow Reserve/Instantaneous Wave-Free Ratio Discordance in Angiographically Intermediate Coronary Stenoses. JACC: Cardiovascular Interventions, 2017, 10, 2514-2524.	1.1	104
118	Mechanisms of Orbital Versus Rotational Atherectomy Plaque Modification in Severely Calcified Lesions Assessed by Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2017, 10, 2584-2586.	1.1	60
119	Intracoronary Optical Coherence Tomography 2018. JACC: Cardiovascular Interventions, 2017, 10, 2473-2487.	1.1	88
120	Characteristics of early versus late in-stent restenosis in second-generation drug-eluting stents: an optical coherence tomography study. EuroIntervention, 2017, 13, 294-302.	1.4	46
121	"The scaffolding must be removed once the house is built" spontaneous coronary artery dissection and the potential of bioresorbable scaffolds. Journal of Thoracic Disease, 2016, 8, E1398-E1403.	0.6	1
122	Guiding Light. JACC: Cardiovascular Interventions, 2016, 9, 2362-2363.	1.1	33
123	TCT-236 Effects of Orbital Versus Rotational Atherectomy Facilitated PCI on the Coronary Microcirculation. Journal of the American College of Cardiology, 2016, 68, B96.	1.2	8
124	Predictors and Long-Term Clinical Impact of Acute Stent Malapposition: An Assessment of Dual Antiplatelet Therapy With Drug-Eluting Stents (ADAPT-DES) Intravascular Ultrasound Substudy. Journal of the American Heart Association, 2016, 5, .	1.6	32
125	Relation Between Platelet Count and Platelet Reactivity to Thrombotic and Bleeding Risk: From the Assessment of Dual Antiplatelet Therapy With Drug-Eluting Stents Study. American Journal of Cardiology, 2016, 117, 1703-1713.	0.7	18
126	Relationship Between Infarct Size and Outcomes Following Primary PCI. Journal of the American College of Cardiology, 2016, 67, 1674-1683.	1.2	444



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127	Update on Intracoronary Optical Coherence Tomography: a Review of Current Concepts. <i>Current Cardiovascular Imaging Reports</i> , 2016, 9, 1.	0.4	3
128	Impact of Anemia on Platelet Reactivity and Ischemic and Bleeding Risk: From the Assessment of Dual Antiplatelet Therapy With Drug-Eluting Stents Study. <i>American Journal of Cardiology</i> , 2016, 117, 1877-1883.	0.7	34
129	Morphological assessment of chronic total occlusions by combined coronary computed tomographic angiography and intravascular ultrasound imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 18, jew077.	0.5	11
130	Continuum of Vasodilator Stress From Rest to Contrast Medium to Adenosine Hyperemia for Fractional Flow Reserve Assessment. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 757-767.	1.1	129
131	Prevalence and Clinical Impact of Tissue Protrusion After Stent Implantation. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 1499-1507.	1.1	40
132	Effect of Smoking on Infarct Size and Major Adverse Cardiac Events in Patients With Large Anterior ST-Elevation Myocardial Infarction (from the INFUSE-AMI Trial). <i>American Journal of Cardiology</i> , 2016, 118, 1097-1104.	0.7	17
133	Prevalence, Features, and Prognostic Importance of Edge Dissection After Drug-Eluting Stent Implantation. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, e003553.	1.4	52
134	Evaluation of Early Healing Profile and Neointimal Transformation Over 24 Months Using Longitudinal Sequential Optical Coherence Tomography Assessments and 3-Year Clinical Results of the New Dual-Therapy Endothelial Progenitor Cell Capturing Sirolimus-Eluting Combo Stent. <i>Circulation: Cardiovascular Interventions</i> , 2016, 9, .	1.4	28
135	Prognostic Determinants of Coronary Atherosclerosis in Stable Ischemic Heart Disease. <i>Circulation Research</i> , 2016, 119, 317-329.	2.0	40
136	Optical coherence tomography compared with intravascular ultrasound and with angiography to guide coronary stent implantation (ILUMIEN III: OPTIMIZE PCI): a randomised controlled trial. <i>Lancet, The</i> , 2016, 388, 2618-2628.	6.3	473
137	Comparison Between Cardiac Allograft Vasculopathy and Native Coronary Atherosclerosis by Optical Coherence Tomography. <i>American Journal of Cardiology</i> , 2016, 117, 1361-1368.	0.7	17
138	Imaging Comparisons of Coregistered Native and Stented Coronary Segments by High-Definition 60-MHz Intravascular Ultrasound and Optical Coherence Tomography. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 1305-1306.	1.1	23
139	Serial Intravascular Ultrasound Findings After Treatment of Chronic Total Occlusions Using Drug-Eluting Stents. <i>American Journal of Cardiology</i> , 2016, 117, 727-734.	0.7	14
140	Relationship Between Platelet Reactivity and Culprit Lesion Morphology. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 849-854.	2.3	13
141	Imaging- and physiology-guided percutaneous coronary intervention without contrast administration in advanced renal failure: a feasibility, safety, and outcome study. <i>European Heart Journal</i> , 2016, 37, 3090-3095.	1.0	158
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157	Optical coherence tomography for guiding wire into a side branch coronary artery with flush total occlusion. <i>Cardiovascular Revascularization Medicine</i> , 2015, 16, 55-57.	0.3	1
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#	ARTICLE	IF	CITATIONS
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176	Comparison of Stent Expansion Guided by Optical Coherence Tomography Versus Intravascular Ultrasound. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1704-1714.	1.1	146
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206	Clinical and Angiographic Characteristics of Patients Likely to Have Vulnerable Plaques. <i>JACC: Cardiovascular Imaging</i> , 2013, 6, 1263-1272.	2.3	67
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208	Virtual histology intravascular ultrasound comparison of coronary chronic total occlusions versus non-occlusive lesions. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1249-1254.	0.7	8
209	Detection by Near-Infrared Spectroscopy of Large Lipid Core Plaques at Culprit Sites in Patients With Acute ST-Segment Elevation Myocardial Infarction. <i>JACC: Cardiovascular Interventions</i> , 2013, 6, 838-846.	1.1	169
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215	Erratum. <i>Expert Review of Cardiovascular Therapy</i> , 2013, 11, 520-520.	0.6	1
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218	An intravascular ultrasound comparison of left anterior descending artery/first diagonal branch versus distal left main coronary artery bifurcation lesions. <i>EuroIntervention</i> , 2013, 8, 1040-1046.	1.4	13
219	Long-Term Follow-Up of Attenuated Plaques in Patients With Acute Myocardial Infarction. <i>Circulation: Cardiovascular Interventions</i> , 2012, 5, 185-192.	1.4	17
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222	In vivo characterization of coronary plaques: novel findings from comparing greyscale and virtual histology intravascular ultrasound and near-infrared spectroscopy. <i>European Heart Journal</i> , 2012, 33, 372-383.	1.0	126
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236	Gender and the Extent of Coronary Atherosclerosis, Plaque Composition, and Clinical Outcomes in Acute Coronary Syndromes. <i>JACC: Cardiovascular Imaging</i> , 2012, 5, S62-S72.	2.3	231
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251	Intravascular Ultrasound Findings of Stent Fractures in Patients With Sirolimus- and Paclitaxel-Eluting Stents. <i>American Journal of Cardiology</i> , 2010, 106, 952-957.	0.7	10
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274	Incidence, Morphology, Angiographic Findings, and Outcomes of Intramural Hematomas After Percutaneous Coronary Interventions. <i>Circulation</i> , 2002, 105, 2037-2042.	1.6	90
275	Dose heterogeneity may not affect the neointimal proliferation after gamma radiation for in-stent restenosis. <i>Journal of the American College of Cardiology</i> , 2002, 39, 1937-1942.	1.2	10
276	Morphologic and angiographic features of coronary plaque rupture detected by intravascular ultrasound. <i>Journal of the American College of Cardiology</i> , 2002, 40, 904-910.	1.2	333
277	Intravascular ultrasound assessment of spontaneous coronary artery dissection. <i>American Journal of Cardiology</i> , 2002, 89, 466-468.	0.7	197
278	Longitudinal plaque redistribution during stent expansion. <i>American Journal of Cardiology</i> , 2000, 86, 1069-1072.	0.7	35