Akiko Maehara

List of Publications by Year
in descending order

278 papers	18,658 citations	17440 63 h-index	14208 128 g-index
285 all docs	285 docs citations	285 times ranked	10768 citing authors

#	Article	IF	Citations
1	OCT-Defined Myocardial Bridge as a Homogenous Band: Validation With a Hybrid IVUS-OCT Catheter. Cardiovascular Revascularization Medicine, 2023, 46, 122-123.	0.8	2
2	1-Year Outcomes of Blinded Physiological Assessment of ResidualÂIschemia After Successful PCI. JACC: Cardiovascular Interventions, 2022, 15, 52-61.	2.9	35
3	Image-based biomechanical modeling for coronary atherosclerotic plaque progression and vulnerability prediction. International Journal of Cardiology, 2022, 352, 1-8.	1.7	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. American Heart Journal, 2022, 249, 1-11.	2.7	13
5	Optical Coherence Tomography- Versus Angiography-Guided Magnesium Bioresorbable Scaffold Implantation in NSTEMI Patients. Cardiovascular Revascularization Medicine, 2022, 40, 101-110.	0.8	2
6	Reasons for lesion uncrossability as assessed by intravascular ultrasound. Catheterization and Cardiovascular Interventions, 2022, , .	1.7	2
7	Intravascular Imaging to Guide Percutaneous Coronary Intervention Will Be Mandatory Soon. Circulation: Cardiovascular Interventions, 2022, 15, 101161CIRCINTERVENTIONS122012120.	3.9	2
8	Letter to the Editor in response to â€˜Myocardial bridging is significantly associated to myocardial infarction with non-obstructive coronary arteriesâ€™ by Matta et al.. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 580-580.	1.0	2
9	Directional versus orbital atherectomy of femoropopliteal artery lesions: Angiographic and intravascular ultrasound outcomes. Catheterization and Cardiovascular Interventions, 2022, 100, 687-695.	1.7	2
10	Influence of Plaque Characteristics on Early Vascular Healing in Patients With ST-Elevation Myocardial Infarction. Cardiovascular Revascularization Medicine, 2021, 30, 50-58.	0.8	1
11	Left coronary artery calcification patterns after coronary bypass graft surgery: An <scp>inâ€vivo</scp> optical coherence tomography study. Catheterization and Cardiovascular Interventions, 2021, 98, 483-491.	1.7	4
12	Oneâ€year outcomes of supersaturated oxygen therapy in acute anterior myocardial infarction: The ICâ€HOT study. Catheterization and Cardiovascular Interventions, 2021, 97, 1120-1126.	1.7	13
13	Use of intracoronary imaging to guide optimal percutaneous coronary intervention procedures and outcomes. Heart, 2021, 107, 755-764.	2.9	10
14	Coronary Optical Coherence Tomography and Cardiac Magnetic Resonance Imaging to Determine Underlying Causes of Myocardial Infarction With Nonobstructive Coronary Arteries in Women. Circulation, 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. European Heart Journal Cardiovascular Imaging, 2021, 22, 753-759.	1.2	13
16	Intravascular Ultrasound in Chronic Total Occlusion Percutaneous Coronary Intervention. Interventional Cardiology Clinics, 2021, 10, 75-85.	0.4	2
17	Outcomes of retrograde chronic total occlusion percutaneous coronary intervention: A report from the OPENâ€CTO registry. Catheterization and Cardiovascular Interventions, 2021, 97, 1162-1173.	1.7	19
18	Calcific Plaque Modification by Acoustic Shock Waves. Circulation: Cardiovascular Interventions, 2021, 14, e009354.	3.9	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. Cardiovascular Diabetology, 2021, 20, 10.	6.8	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. EuroIntervention, 2021, 16, 1092-1099.	3.2	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. Cardiology, 2021, 146, 1-11.	1.4	0
22	Which â€œGood Stent Expansionâ€•Is â€œThe Bestâ€?. Cardiovascular Revascularization Medicine, 2021, 24, 55-56.	0.8	1
23	Optical Coherence Tomography Versus Intravascular Ultrasound Versus Angiography, Once Again. Circulation: Cardiovascular Interventions, 2021, 14, e010593.	3.9	0
24	Therapeutic Approach to Calcified Coronary Lesions: Disruptive Technologies. Current Cardiology Reports, 2021, 23, 33.	2.9	18
25	Identification of vulnerable plaques and patients by intracoronary near-infrared spectroscopy and ultrasound (PROSPECT II): a prospective natural history study. Lancet, The, 2021, 397, 985-995.	13.7	208
26	Predicting plaque vulnerability change using intravascular ultrasoundâ€‰+â€‰optical coherence tomography image-based fluidâ€“structure interaction models and machine learning methods with patient follow-up data: a feasibility study. BioMedical Engineering OnLine, 2021, 20, 34.	2.7	10
27	Intracoronary optical coherence tomography: state of the art and future directions. EuroIntervention, 2021, 17, e105-e123.	3.2	55
28	Optical Coherence Tomography in Acute Coronary Syndromes. Interventional Cardiology Clinics, 2021, 10, 323-332.	0.4	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. Catheterization and Cardiovascular Interventions, 2021, 98, E677-E686.	1.7	3
30	Stent Expansion Indexes to Predict Clinical Outcomes. JACC: Cardiovascular Interventions, 2021, 14, 1639-1650.	2.9	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. Frontiers in Bioengineering and Biotechnology, 2021, 9, 713525.	4.1	11
32	Clinical determinants of coronary artery disease burden and vulnerability using optical coherence tomography co-registered with intravascular ultrasound. Coronary Artery Disease, 2021, Publish Ahead of Print, .	0.7	3
33	Clinical outcomes of low-intensity area without attenuation and cholesterol crystals in non-culprit lesions assessed by optical coherence tomography. Atherosclerosis, 2021, 332, 41-47.	0.8	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€• Circulation, 2021, 144, e209-e210.	1.6	11
35	Outcomes of retrograde approach for chronic total occlusions by guidewire location. EuroIntervention, 2021, 17, e647-e655.	3.2	5
36	Intravascular Ultrasoundâ€“Derived Calcium Score to Predict Stent Expansion in Severely Calcified Lesions. Circulation: Cardiovascular Interventions, 2021, 14, e010296.	3.9	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. Cardiovascular Revascularization Medicine, 2020, 21, 1417-1424.	0.8	9
38	Heterogeneity of Plaque Structural Stress Is Increased in Plaques Leading to MACE. JACC: Cardiovascular Imaging, 2020, 13, 1206-1218.	5.3	40
39	Plaque burden can be assessed using intravascular optical coherence tomography and a dedicated automated processing algorithm: a comparison study with intravascular ultrasound. European Heart Journal Cardiovascular Imaging, 2020, 21, 640-652.	1.2	18
40	Comparison of Age (<75 Years Vs â‰¥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). American Journal of Cardiology, 2020, 125, 685-693.	1.6	1
41	Prognostic impact of healed coronary plaque in non-culprit lesions assessed by optical coherence tomography. Atherosclerosis, 2020, 309, 1-7.	0.8	30
42	Intravascular Imaging-Guided Percutaneous Coronary Intervention. Circulation: Cardiovascular Interventions, 2020, 13, e008686.	3.9	27
43	Recognition of Recurrent Stent Failure Due to Calcified Nodule. JACC: Case Reports, 2020, 2, 1879-1881.	0.6	3
44	The relationship between coronary artery calcium density and optical coherence tomography-derived plaque characteristics. Atherosclerosis, 2020, 311, 30-36.	0.8	3
45	Contemporary rationale for non-invasive imaging of adverse coronary plaque features to identify the vulnerable patient:Âa Position Paper from the European Society of Cardiology Working Group on Atherosclerosis and Vascular Biology and the European Association of Cardiovascular Imaging. European Heart Journal Cardiovascular Imaging, 2020, 21, 1177-1183.	1.2	29
46	Chronic stent recoil in severely calcified coronary artery lesions. A serial optical coherence tomography study. International Journal of Cardiovascular Imaging, 2020, 36, 1617-1626.	1.5	4
47	Vulnerable plaques and patients: state-of-the-art. European Heart Journal, 2020, 41, 2997-3004.	2.2	98
48	A case report of a coronary myocardial bridge with impaired full-cycle ratio during dobutamine challenge. European Heart Journal - Case Reports, 2020, 4, 1-4.	0.6	4
49	2-Year Outcomes After Stenting of Lipid-Rich and Nonrich Coronary Plaques. Journal of the American College of Cardiology, 2020, 75, 1371-1382.	2.8	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. American Heart Journal, 2020, 225, 10-18.	2.7	23
51	IVUS guidance during left main PCI: not if, but when and how. EuroIntervention, 2020, 16, 189-191.	3.2	1
52	Culprit lesion morphology in patients with ST-segment elevation myocardial infarction assessed by optical coherence tomography. Coronary Artery Disease, 2020, 31, 671-677.	0.7	0
53	Optical Coherence Tomography Assessment of Morphological Characteristics in Suspected Coronary Artery Disease, but Angiographically Nonobstructive Lesions. Cardiovascular Revascularization Medicine, 2019, 20, 475-479.	0.8	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. Journal of Applied Statistics, 2019, 46, 1903-1916.	1.3	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 CoronaryÂIntervention. JACC: Cardiovascular Interventions, 2019, 12, 1991-2001.	2.9	147
57	TCT-51 IVUS Predictors of Stent Expansion in Severely CalcifiedÂLesions. Journal of the American College of Cardiology, 2019, 74, B51.	2.8	2
58	Relationship Between Stent Diameter, Platelet Reactivity, and Thrombotic Events After Percutaneous Coronary Artery Revascularization. American Journal of Cardiology, 2019, 124, 1363-1371.	1.6	4
59	Safety and Effectiveness of Coronary Intravascular Lithotripsy for Treatment of Severely Calcified Coronary Stenoses. Circulation: Cardiovascular Interventions, 2019, 12, e008434.	3.9	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 Fluidâ€"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, .	1.3	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.	2.2	189
63	Recognition of calcified neoatherosclerosis. Coronary Artery Disease, 2019, 30, 9-10.	0.7	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.	1.7	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.	0.8	4
66	Intravascular Ultrasound Assessment of In-Stent Restenosis in Saphenous Vein Grafts. American Journal of Cardiology, 2019, 123, 1052-1059.	1.6	6
67	A prospective, singleâ€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.	1.7	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.	1.7	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.	1.7	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 rgBT /Overlock 10 Tf 50	1.6	6
71	Evaluation of intracoronary hyperoxemic oxygen therapy in acute anterior myocardial infarction: The ICâ€HOT study. Catheterization and Cardiovascular Interventions, 2019, 93, 882-890.	1.7	26
72	Impact of Pre-Diabetes on Coronary Plaque Composition and Clinical OutcomeÂin Patients With Acute CoronaryÂSyndromes. JACC: Cardiovascular Imaging, 2019, 12, 733-741.	5.3	17

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73	Qualitative resting coronary pressure wave form analysis to predict fractional flow reserve. EuroIntervention, 2019, 14, e1601-e1608.	3.2	3
74	The effectiveness of excimer laser angioplasty to treat coronary in-stent restenosis with peri-stent calcium as assessed by optical coherence tomography. EuroIntervention, 2019, 15, e279-e288.	3.2	55
75	Left anterior descending artery wrapping around the left ventricular apex predicts additional risk of future events after anterior myocardial infarction. Anatolian Journal of Cardiology, 2019, 21, 259-260.	0.9	1
76	Intravascular ultrasound assessment of the effects of rotational atherectomy in calcified coronary artery lesions. International Journal of Cardiovascular Imaging, 2018, 34, 1365-1371.	1.5	17
77	Morphological Patterns ofÂIn-Stent Chronic TotalÂOcclusions. JACC: Cardiovascular Interventions, 2018, 11, 711-714.	2.9	4
78	Utility of intracoronary imaging in the cardiac catheterization laboratory: comprehensive evaluation with intravascular ultrasound and optical coherence tomography. British Medical Bulletin, 2018, 125, 79-90.	6.9	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. Journal of Biomechanics, 2018, 68, 43-50.	2.1	19
80	Bleeding Severity After Percutaneous Coronary Intervention. Circulation: Cardiovascular Interventions, 2018, 11, e005542.	3.9	13
81	Role of Low Endothelial Shear Stress and Plaque Characteristics in the Prediction of Nonculprit Major Adverse Cardiac Events. JACC: Cardiovascular Imaging, 2018, 11, 462-471.	5.3	124
82	IVUS- Versus OCT-Guided Coronary Stent Implantation: a Comparison of Intravascular Imaging for Stent Optimization. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.6	3
83	Relationship Between Intravascular Ultrasound Guidance and Clinical Outcomes After Drug-Eluting Stents. Circulation: Cardiovascular Interventions, 2018, 11, e006243.	3.9	44
84	Neointimal Strut Coverage and Resolution of Malapposition After Stenting Preceded by Orbital Atherectomy When Treating Severely Calcified Lesions. JACC: Cardiovascular Interventions, 2018, 11, 2548-2550.	2.9	2
85	Predictors of Calcium Fracture Derived From Balloon Angioplasty and its Effect on Stent Expansion Assessed by Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2018, 11, 1015-1017.	2.9	49
86	Algorithmic Approach for Optical Coherence Tomographyâ€"Guided Stent Implantation During Percutaneous Coronary Intervention. Interventional Cardiology Clinics, 2018, 7, 329-344.	0.4	21
87	Imaging-guided pre-dilatation, stenting, post-dilatation: a protocolized approach highlighting the importance of intravascular imaging for implantation of bioresorbable scaffolds. Expert Review of Cardiovascular Therapy, 2018, 16, 431-440.	1.5	8
88	A new optical coherence tomography-based calcium scoring system to predict stent underexpansion. EuroIntervention, 2018, 13, 2182-2189.	3.2	255
89	Validation of a novel non-hyperaemic index of coronary artery stenosis severity: the Resting Full-cycle Ratio (VALIDATE RFR) study. EuroIntervention, 2018, 14, 806-814.	3.2	157
90	Angiographic predictors of 2â€year stent thrombosis in patients receiving drugâ€eluting stents: Insights from the <scp>ADAPTâ€DES</scp> study. Catheterization and Cardiovascular Interventions, 2017, 89, 26-35.	1.7	16

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91	Sex Differences in the Clinical Impact of High Platelet Reactivity After Percutaneous Coronary Intervention With Drug-Eluting Stents. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	27
92	Neoatherosclerosis assessed with optical coherence tomography in restenotic bare metal and first- and second-generation drug-eluting stents. International Journal of Cardiovascular Imaging, 2017, 33, 1115-1124.	1.5	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. American Heart Journal, 2017, 188, 18-25.	2.7	17
94	Iterative Image Reconstruction Improves the Accuracy of Automated Plaque Burden Assessment in Coronary CT Angiography: A Comparison With Intravascular Ultrasound. American Journal of Roentgenology, 2017, 208, 777-784.	2.2	14
95	Tissue characterization and phenotype classification in patients presenting with acute myocardial infarction: Insights from the iWonder study. Catheterization and Cardiovascular Interventions, 2017, 90, 1107-1114.	1.7	5
96	Percutaneous Coronary Intervention of Saphenous Vein Graft. Circulation: Cardiovascular Interventions, 2017, 10, .	3.9	35
97	Intravascular Ultrasound Analysis of Intraplaque Versus Subintimal Tracking in Percutaneous Intervention for Coronary Chronic Total Occlusions and Association With Procedural Outcomes. JACC: Cardiovascular Interventions, 2017, 10, 1011-1021.	2.9	63
98	Coronary Plaque Characteristics in Hemodialysis-Dependent Patients as Assessed by OpticalÂCoherence Tomography. American Journal of Cardiology, 2017, 119, 1313-1319.	1.6	19
99	Intravascular ultrasound and near-infrared spectroscopic features of coronary lesions with intraplaque haemorrhage. European Heart Journal Cardiovascular Imaging, 2017, 18, 1222-1228.	1.2	18
100	Two-year outcomes after percutaneous coronary intervention of calcified lesions with drug-eluting stents. International Journal of Cardiology, 2017, 231, 61-67.	1.7	71
101	High-Risk Coronary Atherosclerosis. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	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. Circulation: Cardiovascular Imaging, 2017, 10, .	2.6	43
103	Comparison of plaque morphology between peripheral and coronary artery disease (from the CLARITY) Tj ETQq1 1 0.784314 rgBT /Over	0.7	17
104	Impact of chronic statin therapy on clinical presentation and underlying lesion morphology in patients undergoing percutaneous intervention. Coronary Artery Disease, 2017, 28, 218-224.	0.7	4
105	Accuracy of Fractional Flow Reserve Measurements in Clinical Practice. JACC: Cardiovascular Interventions, 2017, 10, 1392-1401.	2.9	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. European Heart Journal, 2017, 38, 3502-3510.	2.2	271
107	Intracoronary Imaging, Cholesterol Efflux, and Transcriptomics after Intensive Statin Treatment in Diabetes. Scientific Reports, 2017, 7, 7001.	3.3	12
108	Clinical Utility of Virtual Histology Intravascular Ultrasound. Current Cardiovascular Imaging Reports, 2017, 10, 1.	0.6	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.	5.3	183
110	Prevalence, Predictors, and Clinical Presentation of a Calcified Nodule as Assessed by Optical Coherence Tomography. JACC: Cardiovascular Imaging, 2017, 10, 883-891.	5.3	112
111	In Vivo Calcium Detection by Comparing Optical Coherence Tomography, Intravascular Ultrasound, and Angiography. JACC: Cardiovascular Imaging, 2017, 10, 869-879.	5.3	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.	1.7	9
113	IVUS-Guided Versus OCT-Guided CoronaryÂStent Implantation. JACC: Cardiovascular Imaging, 2017, 10, 1487-1503.	5.3	164
114	Utility of near-infrared spectroscopy for detection of thin-cap neoatherosclerosis. European Heart Journal Cardiovascular Imaging, 2017, 18, 663-669.	1.2	8
115	Relation Between Renal Function and Coronary Plaque Morphology (from the Assessment of Dual) Tj ETQq1 1 0.784314 rgBT /Overlo American Journal of Cardiology, 2017, 119, 217-224.	1.6	4
116	Intravascular Ultrasound and Near-Infrared Spectroscopic Characterization of Thin-Cap Fibroatheroma. American Journal of Cardiology, 2017, 119, 372-378.	1.6	13
117	Fractional Flow Reserve/InstantaneousÂWave-Free Ratio Discordance in Angiographically Intermediate CoronaryÂStenoses. JACC: Cardiovascular Interventions, 2017, 10, 2514-2524.	2.9	104
118	Mechanisms of Orbital VersusÂRotational Atherectomy Plaque Modification in Severely Calcified Lesions Assessed byÂOptical Coherence Tomography. JACC: Cardiovascular Interventions, 2017, 10, 2584-2586.	2.9	60
119	Intracoronary Optical Coherence Tomography 2018. JACC: Cardiovascular Interventions, 2017, 10, 2473-2487.	2.9	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.	3.2	46
121	â€œThe scaffolding must be removed once the house is builtâ€â€”spontaneous coronary artery dissection and the potential of bioresorbable scaffolds. Journal of Thoracic Disease, 2016, 8, E1398-E1403.	1.4	1
122	Guiding Light. JACC: Cardiovascular Interventions, 2016, 9, 2362-2363.	2.9	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.	2.8	8
124	Predictors and Longâ€Term Clinical Impact of Acute Stent Malapposition: An Assessment of Dual Antiplatelet Therapy With Drugâ€Eluting Stents (ADAPTâ€DES) Intravascular Ultrasound Substudy. Journal of the American Heart Association, 2016, 5, .	3.7	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.	1.6	18
126	Relationship Between Infarct Size and Outcomes Following Primary PCI. Journal of the American College of Cardiology, 2016, 67, 1674-1683.	2.8	444

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127	Update on Intracoronary Optical Coherence Tomography: a Review of Current Concepts. Current Cardiovascular Imaging Reports, 2016, 9, 1.	0.6	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. American Journal of Cardiology, 2016, 117, 1877-1883.	1.6	34
129	Morphological assessment of chronic total occlusions by combined coronary computed tomographic angiography and intravascular ultrasound imaging. European Heart Journal Cardiovascular Imaging, 2016, 18, jew077.	1.2	11
130	Continuum of Vasodilator Stress FromÂRest to Contrast Medium toÂAdenosine Hyperemia for FractionalÂFlow Reserve Assessment. JACC: Cardiovascular Interventions, 2016, 9, 757-767.	2.9	129
131	Prevalence and Clinical Impact of TissueÂProtrusion After Stent Implantation. JACC: Cardiovascular Interventions, 2016, 9, 1499-1507.	2.9	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). American Journal of Cardiology, 2016, 118, 1097-1104.	1.6	17
133	Prevalence, Features, and Prognostic Importance of Edge Dissection After Drug-Eluting Stent Implantation. Circulation: Cardiovascular Interventions, 2016, 9, e003553.	3.9	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. Circulation: Cardiovascular Interventions, 2016, 9, .	3.9	28
135	Prognostic Determinants of Coronary Atherosclerosis in Stable Ischemic Heart Disease. Circulation Research, 2016, 119, 317-329.	4.5	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. Lancet, The, 2016, 388, 2618-2628.	13.7	473
137	Comparison Between Cardiac Allograft Vasculopathy and Native Coronary Atherosclerosis by Optical Coherence Tomography. American Journal of Cardiology, 2016, 117, 1361-1368.	1.6	17
138	Imaging Comparisons of Coregistered Native and Stented Coronary Segments byÂHigh-Definition 60-MHz Intravascular Ultrasound and Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2016, 9, 1305-1306.	2.9	23
139	Serial Intravascular Ultrasound Findings After Treatment of Chronic Total Occlusions Using Drug-Eluting Stents. American Journal of Cardiology, 2016, 117, 727-734.	1.6	14
140	Relationship Between Platelet Reactivity and Culprit Lesion Morphology. JACC: Cardiovascular Imaging, 2016, 9, 849-854.	5.3	13
141	Imaging- and physiology-guided percutaneous coronary intervention without contrast administration in advanced renal failure: a feasibility, safety, and outcome study. European Heart Journal, 2016, 37, 3090-3095.	2.2	158
142	Differences in Underlying Culprit Lesion Morphology Between Men and Women. JACC: Cardiovascular Imaging, 2016, 9, 498-499.	5.3	21
143	Increased coronary lipid accumulation in heart transplant recipients with prior high-grade cellular rejection: novel insights from near-infrared spectroscopy. International Journal of Cardiovascular Imaging, 2016, 32, 225-234.	1.5	7
144	Lumen Measurements FromÂQuantitative Coronary AngiographyÂand IVUS: AÂPROSPECT Substudy. JACC: Cardiovascular Imaging, 2016, 9, 1011-1013.	5.3	7

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145	Multi-laboratory inter-institute reproducibility study of IVOCT and IVUS assessments using published consensus document definitions. European Heart Journal Cardiovascular Imaging, 2016, 17, 756-764.	1.2	33
146	AvaliaÃ§Ã£o da subtraÃ§Ã£o do artefato do fioâ€guia na anÃ¡lise quantitativa e tecidual com ultrassom intracoronÃ¡rio e tecnologia iMAPÂ® em pacientes com sÃndrome coronÃ¡ria aguda: subanÃ¡lise do estudo iWonder. Revista Brasileira De Cardiologia Invasiva, 2015, 23, 52-57.	0.1	0
147	â€œOptimizedâ€•delivery of intracoronary supersaturated oxygen in acute anterior myocardial infarction: A feasibility and safety study. Catheterization and Cardiovascular Interventions, 2015, 86, S51-7.	1.7	7
148	Prevalence and Impact of High Platelet Reactivity in Chronic Kidney Disease. Circulation: Cardiovascular Interventions, 2015, 8, e001683.	3.9	65
149	Age-related effects of smoking on culprit lesion plaque vulnerability as assessed by grayscale and virtual histologyâ€"intravascular ultrasound. Coronary Artery Disease, 2015, 26, 476-483.	0.7	10
150	Morphological changes and clinical impact of unstable plaques within untreated segments of acute myocardial infarction patients during a 3-year follow-up. Coronary Artery Disease, 2015, 26, 469-475.	0.7	5
151	The relationship among extent of lipid-rich plaque, lesion characteristics, and plaque progression/regression in patients with coronary artery disease: a serial near-infrared spectroscopy and intravascular ultrasound study. European Heart Journal Cardiovascular Imaging, 2015, 16, 81-87.	1.2	32
152	In vivo comparison between cardiac allograft vasculopathy and native atherosclerosis using near-infrared spectroscopy and intravascular ultrasound. European Heart Journal Cardiovascular Imaging, 2015, 16, 985-91.	1.2	6
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