Ik-Kyung Jang

List of Publications by Citations

146 papers	11,927 citations	41 h-index	109 g-index
165 ext. papers	13,867 ext. citations	6 avg, IF	5.77 L-index

#	Paper	IF	Citations
146	From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part I. *Circulation*, **2003**, 108, 1664-72	16.7	1985
145	Characterization of human atherosclerosis by optical coherence tomography. *Circulation*, **2002**, 106, 1640-5	16.7	948
144	From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part II. *Circulation*, **2003**, 108, 1772-8	16.7	886
143	Visualization of coronary atherosclerotic plaques in patients using optical coherence tomography: comparison with intravascular ultrasound. *Journal of the American College of Cardiology*, **2002**, 39, 604-9	15.1	775
142	In vivo characterization of coronary atherosclerotic plaque by use of optical coherence tomography. *Circulation*, **2005**, 111, 1551-5	16.7	721
141	Expert review document on methodology, terminology, and clinical applications of optical coherence tomography: physical principles, methodology of image acquisition, and clinical application for assessment of coronary arteries and atherosclerosis. *European Heart Journal*, **2010**, 31, 401-15	9.5	642
140	Quantification of macrophage content in atherosclerotic plaques by optical coherence tomography. *Circulation*, **2003**, 107, 113-9	16.7	558
139	In vivo diagnosis of plaque erosion and calcified nodule in patients with acute coronary syndrome by intravascular optical coherence tomography. *Journal of the American College of Cardiology*, **2013**, 62, 1748-58	15.1	481
138	In vivo comparison of optical coherence tomography and angioscopy for the evaluation of coronary plaque characteristics. *American Journal of Cardiology*, **2008**, 101, 471-6	3	312
137	Expert review document part 2: methodology, terminology and clinical applications of optical coherence tomography for the assessment of interventional procedures. *European Heart Journal*, **2012**, 33, 2513-20	9.5	286
136	Focal and multi-focal plaque macrophage distributions in patients with acute and stable presentations of coronary artery disease. *Journal of the American College of Cardiology*, **2004**, 44, 972-9	15.1	225
135	Diagnostic accuracy of optical coherence tomography and integrated backscatter intravascular ultrasound images for tissue characterization of human coronary plaques. *Journal of the American College of Cardiology*, **2006**, 48, 81-8	15.1	192
134	Evaluation by optical coherence tomography of neointimal coverage of sirolimus-eluting stent three months after implantation. *American Journal of Cardiology*, **2007**, 99, 1033-8	3	169
133	Effective anti-thrombotic therapy without stenting: intravascular optical coherence tomography-based management in plaque erosion (the EROSION study). *European Heart Journal*, **2017**, 38, 792-800	9.5	158
132	Reassessing the Mechanisms of Acute Coronary Syndromes. *Circulation Research*, **2019**, 124, 150-160	15.7	156
131	Incidence and Clinical Significance of Poststent Optical Coherence Tomography Findings: One-Year Follow-Up Study From a Multicenter Registry. *Circulation*, **2015**, 132, 1020-9	16.7	154
130	A Combined Optical Coherence Tomography and Intravascular Ultrasound Study on Plaque Rupture, Plaque Erosion, and Calcified Nodule in Patients With ST-Segment Elevation Myocardial Infarction: Incidence, Morphologic Characteristics, and Outcomes After Percutaneous Coronary Intervention. *JACC: Cardiovascular Interventions*, **2015**, 8, 1166-1176	5	150

129	Nonculprit plaques in patients with acute coronary syndromes have more vulnerable features compared with those with non-acute coronary syndromes: a 3-vessel optical coherence tomography study. *Circulation: Cardiovascular Imaging*, **2012**, 5, 433-40	3.9	150
128	Distinct morphological features of ruptured culprit plaque for acute coronary events compared to those with silent rupture and thin-cap fibroatheroma: a combined optical coherence tomography and intravascular ultrasound study. *Journal of the American College of Cardiology*, **2014**, 63, 2209-16	15.1	143
127	Optical coherence tomography for imaging the vulnerable plaque. *Journal of Biomedical Optics*, **2006**, 11, 021002	3.5	126
126	Predictors for neoatherosclerosis: a retrospective observational study from the optical coherence tomography registry. *Circulation: Cardiovascular Imaging*, **2012**, 5, 660-6	3.9	109
125	Visualization of tissue prolapse between coronary stent struts by optical coherence tomography: comparison with intravascular ultrasound. *Circulation*, **2001**, 104, 2754	16.7	97
124	Prevalence and characteristics of TCFA and degree of coronary artery stenosis: an OCT, IVUS, and angiographic study. *Journal of the American College of Cardiology*, **2014**, 64, 672-80	15.1	96
123	Plaque erosion: a new in vivo diagnosis and a potential major shift in the management of patients with acute coronary syndromes. *European Heart Journal*, **2018**, 39, 2070-2076	9.5	95
122	In vivo association between positive coronary artery remodelling and coronary plaque characteristics assessed by intravascular optical coherence tomography. *European Heart Journal*, **2008**, 29, 1721-8	9.5	94
121	Prevalence and predictors of culprit plaque rupture at OCT in patients with coronary artery disease: a meta-analysis. *European Heart Journal Cardiovascular Imaging*, **2016**, 17, 1128-37	4.1	93
120	Comprehensive overview of definitions for optical coherence tomography-based plaque and stent analyses. *Coronary Artery Disease*, **2014**, 25, 172-85	1.4	93
119	Relationship between a systemic inflammatory marker, plaque inflammation, and plaque characteristics determined by intravascular optical coherence tomography. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1820-7	9.4	92
118	Comparison of nonculprit coronary plaque characteristics between patients with and without diabetes: a 3-vessel optical coherence tomography study. *JACC: Cardiovascular Interventions*, **2012**, 5, 1150-8	5	87
117	Clinical Significance of Lipid-Rich Plaque Detected by Optical Coherence Tomography: A 4-Year Follow-Up Study. *Journal of the American College of Cardiology*, **2017**, 69, 2502-2513	15.1	82
116	Endothelial shear stress and coronary plaque characteristics in humans: combined frequency-domain optical coherence tomography and computational fluid dynamics study. *Circulation: Cardiovascular Imaging*, **2014**, 7, 905-11	3.9	74
115	EROSION Study (Effective Anti-Thrombotic Therapy Without Stenting: Intravascular Optical Coherence Tomography-Based Management in Plaque Erosion): A 1-Year Follow-Up Report. *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	68
114	Biomechanical stress in coronary atherosclerosis: emerging insights from computational modelling. *European Heart Journal*, **2017**, 38, 81-92	9.5	64
113	Nonculprit coronary plaque characteristics of chronic kidney disease. *Circulation: Cardiovascular Imaging*, **2013**, 6, 448-56	3.9	61
112	Healed Culprit Plaques in Patients With Acute Coronary Syndromes. *Journal of the American College of Cardiology*, **2019**, 73, 2253-2263	15.1	58

111	Pancoronary plaque vulnerability in patients with acute coronary syndrome and ruptured culprit plaque: a 3-vessel optical coherence tomography study. *American Heart Journal*, **2014**, 167, 59-67	4.9	57
110	Comparison of Intensive Versus Moderate Lipid-Lowering Therapy on Fibrous Cap and Atheroma Volume of Coronary Lipid-Rich Plaque Using Serial Optical Coherence Tomography and Intravascular Ultrasound Imaging. *American Journal of Cardiology*, **2016**, 117, 800-6	3	56
109	Porcine coronary imaging in vivo by optical coherence tomography. *Acta Cardiologica*, **2000**, 55, 233-7	0.9	56
108	Coronary Atherosclerotic Phenotype and Plaque Healing in Patients With Recurrent Acute Coronary Syndromes Compared With Patients With Long-term Clinical Stability: An In Vivo Optical Coherence Tomography Study. *JAMA Cardiology*, **2019**, 4, 321-329	16.2	55
107	Significance of intraplaque neovascularisation for vulnerability: optical coherence tomography study. *Heart*, **2012**, 98, 1504-9	5.1	55
106	Calcified Plaques in Patients With Acute Coronary Syndromes. *JACC: Cardiovascular Interventions*, **2019**, 12, 531-540	5	42
105	Nonculprit Plaque Characteristics in Patients With Acute Coronary Syndrome Caused by Plaque Erosion vs Plaque Rupture: A 3-Vessel Optical Coherence Tomography Study. *JAMA Cardiology*, **2018**, 3, 207-214	16.2	41
104	Imaging plaques to predict and better manage patients with acute coronary events. *Circulation Research*, **2014**, 114, 1904-17	15.7	40
103	Endothelial Shear Stress and Plaque Erosion: A Computational Fluid Dynamics and Optical Coherence Tomography Study. *JACC: Cardiovascular Imaging*, **2019**, 12, 374-375	8.4	38
102	Clinical and Laboratory Predictors for Plaque Erosion in Patients With Acute Coronary Syndromes. *Journal of the American Heart Association*, **2019**, 8, e012322	6	37
101	Residual thrombus pattern in patients with ST-segment elevation myocardial infarction caused by plaque erosion versus plaque rupture after successful fibrinolysis: an optical coherence tomography study. *Journal of the American College of Cardiology*, **2014**, 63, 1336-1338	15.1	37
100	Prevalence and Predictors of Multiple Coronary Plaque Ruptures: In Vivo 3-Vessel Optical Coherence Tomography Imaging Study. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2016**, 36, 2229-2238	9.4	35
99	Management and Outcome of Patients With Acute Coronary Syndrome Caused by Plaque Rupture Versus Plaque Erosion: An Intravascular Optical Coherence Tomography Study. *Journal of the American Heart Association*, **2017**, 6,	6	33
98	Coronary Calcification and Plaque Vulnerability: An Optical Coherence Tomographic Study. *Circulation: Cardiovascular Imaging*, **2016**, 9,	3.9	33
97	Does Residual Thrombus After Aspiration Thrombectomy Affect the Outcome of Primary PCI in Patients With ST-Segment Elevation Myocardial Infarction?: An Optical Coherence Tomography Study. *JACC: Cardiovascular Interventions*, **2016**, 9, 2002-2011	5	33
96	Morphological predictors for no reflow phenomenon after primary percutaneous coronary intervention in patients with ST-segment elevation myocardial infarction caused by plaque rupture. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 103-110	4.1	31
95	Causes, assessment, and treatment of stent thrombosis--intravascular imaging insights. *Nature Reviews Cardiology*, **2015**, 12, 325-36	14.8	31
94	Diagnosis of Thin-Capped Fibroatheromas in Intravascular Optical Coherence Tomography Images: Effects of Light Scattering. *Circulation: Cardiovascular Interventions*, **2016**, 9,	6	28

93	Coronary Plaque Characteristics in Patients With Diabetes Mellitus Who Presented With Acute Coronary Syndromes. *Journal of the American Heart Association*, **2018**, 7,	6	26
92	Comparison of near-infrared spectroscopy and optical coherence tomography for detection of lipid. *Catheterization and Cardiovascular Interventions*, **2014**, 84, 710-7	2.7	24
91	Low Endothelial Shear Stress Predicts Evolution to High-Risk Coronary Plaque Phenotype in the Future: A Serial Optical Coherence Tomography and Computational Fluid Dynamics Study. *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	24
90	Spontaneous recanalization of a coronary artery after thrombotic occlusion: in vivo demonstration with optical coherence tomography. *Journal of the American College of Cardiology*, **2010**, 55, 1274	15.1	24
89	Plaque erosion and acute coronary syndromes: phenotype, molecular characteristics and future directions. *Nature Reviews Cardiology*, **2021**, 18, 724-734	14.8	24
88	Comparison by optical coherence tomography of the frequency of lipid coronary plaques in current smokers, former smokers, and nonsmokers. *American Journal of Cardiology*, **2014**, 114, 674-80	3	22
87	Plaque erosion delays vascular healing after drug eluting stent implantation in patients with acute coronary syndrome: An In Vivo Optical Coherence Tomography Study. *Catheterization and Cardiovascular Interventions*, **2017**, 89, 592-600	2.7	20
86	Alpha 2-antiplasmin causes thrombi to resist fibrinolysis induced by tissue plasminogen activator in experimental pulmonary embolism. *Circulation*, **1997**, 95, 1886-91	16.7	20
85	Elevation in serum troponin I predicts the benefit of tirofiban. *Journal of Thrombosis and Thrombolysis*, **2001**, 11, 211-5	5.1	19
84	Spatial heterogeneity of neoatherosclerosis and its relationship with neovascularization and adjacent plaque characteristics: optical coherence tomography study. *American Heart Journal*, **2014**, 167, 884-92.e2	4.9	18
83	Clinical, angiographic, IVUS, and OCT predictors for irregular protrusion after coronary stenting. *EuroIntervention*, **2017**, 12, e2204-e2211	3.1	17
82	Heparin induced thrombocytopenia: diagnosis and contemporary antithrombin management. *Journal of Thrombosis and Thrombolysis*, **1999**, 7, 259-64	5.1	16
81	Characteristics of non-culprit plaques in acute coronary syndrome patients with layered culprit plaque. *European Heart Journal Cardiovascular Imaging*, **2020**, 21, 1421-1430	4.1	15
80	Predictors of Rapid Plaque Progression: An Optical Coherence Tomography Study. *JACC: Cardiovascular Imaging*, **2021**, 14, 1628-1638	8.4	15
79	Angiographic features of patients with coronary plaque erosion. *International Journal of Cardiology*, **2019**, 288, 12-16	3.2	14
78	Healed Plaques in Patients With Stable Angina Pectoris. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 1587-1597	9.4	14
77	Patterns of coronary plaque progression: phasic versus gradual. A combined optical coherence tomography and intravascular ultrasound study. *Coronary Artery Disease*, **2016**, 27, 658-666	1.4	13
76	Advances in Intravascular Imaging: New Insights into the Vulnerable Plaque from Imaging Studies. *Korean Circulation Journal*, **2018**, 48, 1-15	2.2	13

75	High spatial endothelial shear stress gradient independently predicts site of acute coronary plaque rupture and erosion. *Cardiovascular Research*, **2021**, 117, 1974-1985	9.9	13
74	Comparison of Rosuvastatin Versus Atorvastatin for Coronary Plaque Stabilization. *American Journal of Cardiology*, **2019**, 123, 1565-1571	3	12
73	Comparison of Neoatherosclerosis and Neovascularization Between Patients With and Without Diabetes: An Optical Coherence Tomography Study. *JACC: Cardiovascular Interventions*, **2015**, 8, 1044-1052	5	12
72	Clinical Predictors for Lack of Favorable Vascular Response to Statin Therapy in Patients With Coronary Artery Disease: A Serial Optical Coherence Tomography Study. *Journal of the American Heart Association*, **2017**, 6,	6	12
71	Does neovascularization predict response to statin therapy? Optical coherence tomography study. *International Journal of Cardiology*, **2012**, 158, 469-70	3.2	12
70	Recurrent myocardial infarctions and premature coronary atherosclerosis in a 23-year-old man with antiphospholipid syndrome. *Thrombosis and Haemostasis*, **2016**, 115, 237-9	7	12
69	Insights into the spatial distribution of lipid-rich plaques in relation to coronary artery bifurcations: an in-vivo optical coherence tomography study. *Coronary Artery Disease*, **2015**, 26, 133-41	1.4	11
68	Argatroban therapy in women with heparin-induced thrombocytopenia. *Journal of Women's Health*, **2007**, 16, 895-901	3	11
67	Spatial Distribution of Vulnerable Plaques: Comprehensive In Vivo Coronary Plaque Mapping. *JACC: Cardiovascular Imaging*, **2020**, 13, 1989-1999	8.4	10
66	Thrombus resolution with tirofiban in the conservative management of patients presenting with plaque erosion. *Coronary Artery Disease*, **2018**, 29, 301-308	1.4	10
65	Coronary Plaque Characteristics Associated With Reduced TIMI (Thrombolysis in Myocardial Infarction) Flow Grade in Patients With ST-Segment-Elevation Myocardial Infarction: A Combined Optical Coherence Tomography and Intravascular Ultrasound Study. *Circulation: Cardiovascular Interventions*, **2016**, 9,	6	10
64	Computer-aided image analysis algorithm to enhance in vivo diagnosis of plaque erosion by intravascular optical coherence tomography. *Circulation: Cardiovascular Imaging*, **2014**, 7, 805-10	3.9	10
63	Management of non-culprit coronary plaques in patients with acute coronary syndrome. *European Heart Journal*, **2020**, 41, 3579-3586	9.5	10
62	New Insights Into Plaque Erosion as a Mechanism of Acute Coronary Syndromes. *JAMA - Journal of the American Medical Association*, **2021**, 325, 1043-1044	27.4	10
61	Ticagrelor immediately prior to stenting is associated with smaller residual thrombus in patients with acute coronary syndrome. *International Journal of Cardiology*, **2013**, 168, 3099-101	3.2	9
60	Relative risk of plaque erosion among different age and sex groups in patients with acute coronary syndrome. *Journal of Thrombosis and Thrombolysis*, **2020**, 49, 352-359	5.1	9
59	Balloon deflection technique: A method to facilitate entry of a balloon catheter into a deployed stent. *Catheterization and Cardiovascular Interventions*, **2000**, 51, 312-3	2.7	8
58	Three-dimensional morphological response of lipid-rich coronary plaques to statin therapy: a serial optical coherence tomography study. *Coronary Artery Disease*, **2016**, 27, 350-6	1.4	8

57	Optical coherence tomography in coronary atherosclerosis assessment and intervention.. *Nature Reviews Cardiology*, **2022**,	14.8	8
56	Comparison of Vascular Response to Statin Therapy in Patients With Versus Without Diabetes Mellitus. *American Journal of Cardiology*, **2019**, 123, 1559-1564	3	7
55	Seasonal Variations in the Pathogenesis of Acute Coronary Syndromes. *Journal of the American Heart Association*, **2020**, 9, e015579	6	7
54	Morphologic characteristics of eroded coronary plaques: a combined angiographic, optical coherence tomography, and intravascular ultrasound study. *International Journal of Cardiology*, **2014**, 176, e137-9	3.2	7
53	Circadian variations in pathogenesis of ST-segment elevation myocardial infarction: an optical coherence tomography study. *Journal of Thrombosis and Thrombolysis*, **2021**, 51, 379-387	5.1	7
52	SYNTAX Score and Pre- and Poststent Optical Coherence Tomography Findings in the Left Anterior Descending Coronary Artery in Patients With Stable Angina Pectoris. *American Journal of Cardiology*, **2017**, 120, 898-903	3	6
51	Acute stent thrombosis: technical complication or inadequate antithrombotic therapy? An optical coherence tomography study. *JACC: Cardiovascular Interventions*, **2012**, 5, e3-4	5	6
50	A Randomized, Blinded Study of Two Doses of Novastan(R) (Brand of Argatroban) Versus Heparin as Adjunctive Therapy to Recombinant Tissue Plasminogen Activator (Accelerated Administration) in Acute Myocardial Infarction: Rationale and Design of the Myocardial Infarction using Novastan(R) and T-PA (MINT) Study. *Journal of Thrombosis and Thrombolysis*, **1998**, 5, 49-52	5.1	6
49	Changes in coronary plaque morphology in patients with acute coronary syndrome versus stable angina pectoris after initiation of statin therapy. *Coronary Artery Disease*, **2016**, 27, 629-635	1.4	6
48	Incidence and Morphological Predictors of Intrastent Coronary Thrombus After Drug-Eluting Stent Implantation (from a Multicenter Registry). *American Journal of Cardiology*, **2016**, 117, 369-75	3	6
47	Predictors for layered coronary plaques: an optical coherence tomography study. *Journal of Thrombosis and Thrombolysis*, **2020**, 50, 886-894	5.1	6
46	New prediction tools and treatment for ACS patients with plaque erosion. *Atherosclerosis*, **2021**, 318, 45-51	3.1	6
45	Clinical significance of healed plaque detected by optical coherence tomography: a 2-year follow-up study. *Journal of Thrombosis and Thrombolysis*, **2020**, 50, 895-902	5.1	5
44	Plaque erosion: in vivo diagnosis and treatment guided by optical coherence tomography. *JACC: Cardiovascular Interventions*, **2014**, 7, e63-4	5	5
43	Identification of Intrastent Pathology Associated With Late Stent Thrombosis Using Optical Coherence Tomography. *Journal of Interventional Cardiology*, **2015**, 28, 439-48	1.8	5
42	Degree of luminal narrowing and composition of thrombus in plaque erosion. *Journal of Thrombosis and Thrombolysis*, **2021**, 51, 143-150	5.1	5
41	Lipid-lowering therapy stabilizes the complexity of non-culprit plaques in human coronary artery: a quantitative assessment using OCT bright spot algorithm. *International Journal of Cardiovascular Imaging*, **2017**, 33, 453-461	2.5	4
40	Clinical utility of quantitative bright spots analysis in patients with acute coronary syndrome: an optical coherence tomography study. *International Journal of Cardiovascular Imaging*, **2015**, 31, 1479-87	2.5	4

39	Ethnic Differences in the Pathobiology of Acute Coronary Syndromes Between Asians and Whites. *American Journal of Cardiology*, **2020**, 125, 1757-1764	3	4
38	Bivalirudin versus unfractionated heparin for residual thrombus burden: a frequency-domain optical coherence tomography study. *Catheterization and Cardiovascular Interventions*, **2015**, 85, 575-82	2.7	4
37	Impacts of lesion angle on incidence and distribution of acute vessel wall injuries and strut malapposition after drug-eluting stent implantation assessed by optical coherence tomography. *European Heart Journal Cardiovascular Imaging*, **2015**, 16, 1390-8	4.1	4
36	Prognostic Value of Coronary CT Angiography for Predicting Poor Cardiac Outcome in Stroke Patients without Known Cardiac Disease or Chest Pain: The Assessment of Coronary Artery Disease in Stroke Patients Study. *Korean Journal of Radiology*, **2020**, 21, 1055-1064	6.9	4
35	Serial Optical Coherence Tomography and Intravascular Ultrasound Analysis of Gender Difference in Changes of Plaque Phenotype in Response to Lipid-Lowering Therapy. *American Journal of Cardiology*, **2016**, 117, 1890-5	3	4
34	Comparison of post-stent optical coherence tomography findings among three subtypes of calcified culprit plaques in patients with acute coronary syndrome. *Catheterization and Cardiovascular Interventions*, **2021**, 97, 634-645	2.7	4
33	Predictors for Rapid Progression of Coronary Calcification: An Optical Coherence Tomography Study. *Journal of the American Heart Association*, **2021**, 10, e019235	6	4
32	Optical Coherence Tomography of Plaque Erosion: JACC Focus Seminar Part 2/3. *Journal of the American College of Cardiology*, **2021**, 78, 1266-1274	15.1	4
31	Optical coherence tomographic evaluation of the effect of cigarette smoking on vascular healing after sirolimus-eluting stent implantation. *American Journal of Cardiology*, **2015**, 115, 751-7	3	3
30	Fundamentals of Optical Coherence Tomography: Image Acquisition and Interpretation. *Interventional Cardiology Clinics*, **2015**, 4, 225-237	1.4	3
29	Relation of Low-Density Lipoprotein Cholesterol Level to Plaque Rupture. *American Journal of Cardiology*, **2020**, 134, 48-54	3	3
28	Comparison of post-stent optical coherence tomography findings: Layered versus non-layered culprit lesions. *Catheterization and Cardiovascular Interventions*, **2021**, 97, 1320-1328	2.7	3
27	The evolving role of cardiac imaging in patients with myocardial infarction and non-obstructive coronary arteries. *Progress in Cardiovascular Diseases*, **2021**, 68, 78-87	8.5	3
26	Optical Coherence Tomography and Coronary Plaque Characterization. *Journal of the Japanese Coronary Association*, **2013**, 19, 307-314		2
25	Determinants of ST-segment elevation myocardial infarction as clinical presentation of acute coronary syndrome. *Journal of Thrombosis and Thrombolysis*, **2021**, 51, 1026-1035	5.1	2
24	Differences in coronary plaque morphology between East Asian and Western White patients: an optical coherence tomography study. *Coronary Artery Disease*, **2018**, 29, 597-602	1.4	2
23	Optical Coherence Tomography of Plaque Vulnerability and Rupture: JACC Focus Seminar Part 1/3. *Journal of the American College of Cardiology*, **2021**, 78, 1257-1265	15.1	2
22	Age and Phenotype of Patients With Plaque Erosion. *Journal of the American Heart Association*, **2021**, 10, e020691	6	2

21	Three-Dimensional Fibrous Cap Structure of Coronary Lipid Plaque - ST-Elevation Myocardial Infarction vs. Stable Angina. *Circulation Journal*, **2019**, 83, 1214-1219	2.9	1
20	Dynamic neointimal pattern after drug-eluting stent implantation defined by optical coherence tomography. *Coronary Artery Disease*, **2017**, 28, 557-563	1.4	1
19	Optical Coherence Tomography for Study of In Vivo Pathobiology and for Optimization of Percutaneous Coronary Intervention **2017**, 3, 48-55		1
18	Layered Plaque Characteristics and Layer Burden in Acute Coronary Syndromes. *American Journal of Cardiology*, **2021**,	3	1
17	Optical Coherence Tomography Predictors for a Favorable Vascular Response to Statin Therapy. *Journal of the American Heart Association*, **2021**, 10, e018205	6	1
16	Optical Coherence Tomography of Coronary Plaque Progression and Destabilization: JACC Focus Seminar Part 3/3. *Journal of the American College of Cardiology*, **2021**, 78, 1275-1287	15.1	1
15	Characteristics of non-culprit plaques in acute coronary syndrome patients with calcified plaque at the culprit lesion. *Catheterization and Cardiovascular Interventions*, **2021**, 97, E298-E305	2.7	0
14	A combined fractional flow reserve and optical coherence tomography approach to guide coronary artery bypass grafting: A pilot study. *Journal of Thoracic and Cardiovascular Surgery*, **2018**, 156, 997-1000	1.5	0
13	Coronary plaque and clinical characteristics of South Asian (Indian) patients with acute coronary syndromes: An optical coherence tomography study. *International Journal of Cardiology*, **2021**, 343, 171-179	3.2	0
12	Intracoronary Imaging for Assessing the Risk of Coronary Microvascular Obstruction **2018**, 167-186		
11	Interpretation of optical coherence tomography images. *Lancet, The*, **2014**, 383, 1887	40	
10	Current Imaging Approaches and Further Imaging Needs in Clinical Medicine: A Clinician's Perspective **2011**, 47-83		
9	High-Resolution Optical Imaging in Interventional Cardiology **2011**, 233-254		
8	Plaque Erosion **2020**, 79-89		
7	Detection of Vulnerable Plaque **2020**, 149-161		
6	Dosing Patterns and Outcomes in African American, Asian, and Hispanic Patients with Heparin-Induced Thrombocytopenia Treated with Argatroban.. *Blood*, **2008**, 112, 3403-3403	2.2	
5	Early versus delayed treatment with ticagrelor on residual thrombus after percutaneous coronary intervention in patients presenting with non-ST-elevation acute coronary syndrome: an optical coherence tomography study. *Coronary Artery Disease*, **2020**, 31, 195-197	1.4	
4	Response by Russo et al Regarding Article, "Healed Plaques in Patients With Stable Angina Pectoris". *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, e258-e259	9.4	

3	Residual thrombus following plaque disruption contributes to rapid plaque progression: in-vivo serial optical coherence tomography imaging. *Coronary Artery Disease*, **2021**, 32, 668-670	1.4
2	Potent platelet inhibition with peri-procedural tirofiban may attenuate progression of atherosclerosis in patients with acute coronary syndromes. *Journal of Thrombosis and Thrombolysis*, **2021**, 1	5.1
1	Letter by Allard-Ratick et al Regarding Article, "Coronary Optical Coherence Tomography and Cardiac Magnetic Resonance Imaging to Determine Underlying Causes of Myocardial Infarction With Nonobstructive Coronary Arteries in Women". *Circulation*, **2021**, 144, e206	16.7