Rocco Vergallo

List of Publications by Citations

100 papers	2,644 citations	26 h-index	50 g-index
137 ext. papers	3,359 ext. citations	5.3 avg, IF	4.98 L-index

#	Paper	IF	Citations
100	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
99	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
98	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
97	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
96	Relationship between coronary plaque morphology of the left anterior descending artery and 12 months clinical outcome: the CLIMA study. *European Heart Journal*, **2020**, 41, 383-391	9.5	105
95	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
94	Comprehensive overview of definitions for optical coherence tomography-based plaque and stent analyses. *Coronary Artery Disease*, **2014**, 25, 172-85	1.4	93
93	Atherosclerotic Plaque Healing. *New England Journal of Medicine*, **2020**, 383, 846-857	59.2	84
92	Intracoronary microparticles and microvascular obstruction in patients with ST elevation myocardial infarction undergoing primary percutaneous intervention. *European Heart Journal*, **2012**, 33, 2928-38	9.5	78
91	Predictors of periprocedural (type IVa) myocardial infarction, as assessed by frequency-domain optical coherence tomography. *Circulation: Cardiovascular Interventions*, **2012**, 5, 89-96, S1-6	6	75
90	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
89	Nonculprit coronary plaque characteristics of chronic kidney disease. *Circulation: Cardiovascular Imaging*, **2013**, 6, 448-56	3.9	61
88	Healed Culprit Plaques in Patients With Acute Coronary Syndromes. *Journal of the American College of Cardiology*, **2019**, 73, 2253-2263	15.1	58
87	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
86	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
85	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
84	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

83	Microvascular Dysfunction in Heart Failure With Preserved Ejection Fraction. *Frontiers in Physiology*, **2019**, 10, 1347	4.6	36
82	Correlation between degree of neointimal hyperplasia and incidence and characteristics of neoatherosclerosis as assessed by optical coherence tomography. *American Journal of Cardiology*, **2013**, 112, 1315-21	3	36
81	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
80	Anatomically correct three-dimensional coronary artery reconstruction using frequency domain optical coherence tomographic and angiographic data: head-to-head comparison with intravascular ultrasound for endothelial shear stress assessment in humans. *EuroIntervention*, **2015**, 11, 407-15	3.1	34
79	Alterations of Hyaluronan Metabolism in Acute Coronary Syndrome: Implications for Plaque Erosion. *Journal of the American College of Cardiology*, **2018**, 72, 1490-1503	15.1	33
78	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
77	Not all plaque ruptures are born equal: an optical coherence tomography study. *European Heart Journal Cardiovascular Imaging*, **2017**, 18, 1271-1277	4.1	31
76	Features of coronary plaque in patients with metabolic syndrome and diabetes mellitus assessed by 3-vessel optical coherence tomography. *Circulation: Cardiovascular Imaging*, **2013**, 6, 665-73	3.9	31
75	Fractional Flow Reserve or Optical Coherence Tomography to Guide Management of Angiographically Intermediate Coronary Stenosis: A Single-Center Trial. *JACC: Cardiovascular Interventions*, **2020**, 13, 49-58	5	29
74	Neoatherosclerosis after drug-eluting stent implantation: a novel clinical and therapeutic challenge. *European Heart Journal - Cardiovascular Pharmacotherapy*, **2019**, 5, 105-116	6.4	25
73	Comparison of near-infrared spectroscopy and optical coherence tomography for detection of lipid. *Catheterization and Cardiovascular Interventions*, **2014**, 84, 710-7	2.7	24
72	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
71	Drug-eluting balloon angioplasty for carotid in-stent restenosis. *Journal of Endovascular Therapy*, **2012**, 19, 729-33	2.5	22
70	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
69	Quantitative Blush Evaluator accurately quantifies microvascular dysfunction in patients with ST-elevation myocardial infarction: comparison with cardiovascular magnetic resonance. *American Heart Journal*, **2011**, 162, 372-381.e2	4.9	16
68	Are we ready for a gender-specific approach in interventional cardiology?. *International Journal of Cardiology*, **2019**, 286, 226-233	3.2	16
67	Antithrombotic therapy in the early phase of non-ST-elevation acute coronary syndromes: a systematic review and meta-analysis. *European Heart Journal - Cardiovascular Pharmacotherapy*, **2020**, 6, 43-56	6.4	16
66	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

65	Healed Plaques in Patients With Stable Angina Pectoris. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 1587-1597	9.4	14
64	Correlation between CD4CD28 T lymphocytes, regulatory T cells and plaque rupture: An Optical Coherence Tomography study in Acute Coronary Syndromes. *International Journal of Cardiology*, **2019**, 276, 289-292	3.2	14
63	Dual therapy with direct oral anticoagulants significantly increases the risk of stent thrombosis compared to triple therapy. *European Heart Journal - Cardiovascular Pharmacotherapy*, **2020**, 6, 128-129	6.4	13
62	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
61	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
60	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
59	Long-term morphofunctional remodeling of internal thoracic artery grafts: a frequency-domain optical coherence tomography study. *Circulation: Cardiovascular Interventions*, **2013**, 6, 269-76	6	11
58	Electronic Cigarettes and Cardiovascular Risk: Caution Waiting for Evidence. *European Cardiology Review*, **2019**, 14, 151-158	3.9	11
57	Clinical, angiographic and echocardiographic correlates of epicardial and microvascular spasm in patients with myocardial ischaemia and non-obstructive coronary arteries. *Clinical Research in Cardiology*, **2020**, 109, 435-443	6.1	11
56	Optical coherence tomography and C-reactive protein in risk stratification of acute coronary syndromes. *International Journal of Cardiology*, **2019**, 286, 7-12	3.2	10
55	Coronary plaque erosion developing in an area of high endothelial shear stress: insights from serial optical coherence tomography imaging. *Coronary Artery Disease*, **2019**, 30, 74-75	1.4	10
54	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
53	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
52	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
51	Duration of dual antiplatelet therapy and subsequent monotherapy type in patients undergoing drug eluting stent implantation: a network Meta-analysis. *European Heart Journal - Cardiovascular Pharmacotherapy*, **2020**,	6.4	8
50	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
49	Optical coherence tomography in coronary atherosclerosis assessment and intervention.. *Nature Reviews Cardiology*, **2022**,	14.8	8
48	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

47	Identification of the haemodynamic environment permissive for plaque erosion. *Scientific Reports*, **2021**, 11, 7253	4.9	7
46	Randomised trials and meta-analyses of double vs triple antithrombotic therapy for atrial fibrillation-ACS/PCI: A critical appraisal. *IJC Heart and Vasculature*, **2020**, 28, 100524	2.4	6
45	Perilipin 2 levels are increased in patients with in-stent neoatherosclerosis: A clue to mechanisms of accelerated plaque formation after drug-eluting stent implantation. *International Journal of Cardiology*, **2018**, 258, 55-58	3.2	6
44	High-risk percutaneous coronary intervention: how to define it today?. *Minerva Cardioangiologica*, **2018**, 66, 576-593	1.1	6
43	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
42	Early anticoagulation in the current management of NSTE-ACS: Evidence, guidelines, practice and perspectives. *International Journal of Cardiology*, **2019**, 275, 39-45	3.2	6
41	Dropping aspirin in patients with atrial fibrillation undergoing percutaneous coronary intervention: a jump with a weak parachute?. *European Heart Journal - Cardiovascular Pharmacotherapy*, **2019**, 5, 55-56	6.4	6
40	New prediction tools and treatment for ACS patients with plaque erosion. *Atherosclerosis*, **2021**, 318, 45-51	3.1	6
39	Dual quantitative coronary angiography accurately quantifies intracoronary thrombotic burden in patients with acute coronary syndrome: Comparison with optical coherence tomography imaging. *International Journal of Cardiology*, **2019**, 292, 25-31	3.2	5
38	Prospective Randomized Comparison of Fractional Flow Reserve Versus Optical Coherence Tomography to Guide Revascularization of Intermediate Coronary Stenoses: One-Month Results. *Journal of the American Heart Association*, **2019**, 8, e012772	6	5
37	Plaque erosion: in vivo diagnosis and treatment guided by optical coherence tomography. *JACC: Cardiovascular Interventions*, **2014**, 7, e63-4	5	5
36	Evaluation of culprit lesions by optical coherence tomography in patients with ST-elevation myocardial infarction. *International Journal of Cardiology*, **2013**, 168, 1592-3	3.2	5
35	Are Atherogenic Lipoprotein Phenotype and Inflammation Indicative of Plaque Phenotype and Clinical Stability in Coronary Artery Disease?-Reply. *JAMA Cardiology*, **2019**, 4, 951-952	16.2	4
34	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
33	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
32	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
31	takotsubo. *European Heart Journal - Case Reports*, **2021**, 5, ytaa477	0.9	4
30	Colchicine in ischemic heart disease: the good, the bad and the ugly. *Clinical Research in Cardiology*, **2021**, 110, 1531-1542	6.1	4

29	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
28	Associations between the Framingham Risk Score and coronary plaque characteristics as assessed by three-vessel optical coherence tomography. *Coronary Artery Disease*, **2016**, 27, 460-6	1.4	4
27	Recurrent acute coronary syndrome and mechanisms of plaque instability. *International Journal of Cardiology*, **2017**, 243, 98-102	3.2	3
26	Sustained safe and effective anticoagulation using Edoxaban via percutaneous endoscopic gastrostomy. *ESC Heart Failure*, **2019**, 6, 884-888	3.7	3
25	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
24	Ticagrelor versus clopidogrel in patients undergoing implantation of paclitaxel-eluting stent in the femoropopliteal district: A randomized pilot study using frequency-domain optical coherence tomography. *International Journal of Cardiology*, **2020**, 304, 192-197	3.2	3
23	Plaque erosion causing ST-segment elevation myocardial infarction: report of an optical coherence tomography-documented case and concise literature review. *Coronary Artery Disease*, **2017**, 28, 355-357	1.4	2
22	TCT-652 Longitudinal Distribution of Endothelial Shear Stress Along Culprit Lesions and Association with Plaque Characteristics in Patients with Acute Coronary Syndromes: A Three-Dimensional Frequency-Domain Optical Coherence Tomography Study. *Journal of the American College of Cardiology*, **2013**, 62, B198	15.1	2
21	Is age an important factor for vascular response to statin therapy? A serial optical coherence tomography and intravascular ultrasound study. *Coronary Artery Disease*, **2017**, 28, 209-217	1.4	2
20	Long-term clinical impact of permanent pacemaker implantation in patients undergoing transcatheter aortic valve implantation: a systematic review and meta-analysis.. *Europace*, **2022**,	3.9	2
19	Atherosclerotic Plaque Disruption and Healing. *European Heart Journal*, **2020**, 41, 4079-4080	9.5	2
18	Optical frequency-domain imaging to guide implantation of a paclitaxel-eluting stent in the femoral artery. *Journal of Endovascular Therapy*, **2014**, 21, 456-9	2.5	1
17	ORal anticoagulants In fraGile patients with percutAneous endoscopic gastrostoMy and atrIal fibrillation: the (ORIGAMI) study. *Journal of Cardiovascular Medicine*, **2021**, 22, 175-179	1.9	1
16	A case of TresistantTthrombus: all you can hit in very late stent thrombosis. *Journal of Cardiovascular Medicine*, **2019**, 20, 397-399	1.9	1
15	How deep is your lesion? Extreme guideliner V3 intubation through RIMA graft to treat a distal left anterior descending artery stenosis. *Journal of Cardiovascular Medicine*, **2018**, 19, 606-608	1.9	0
14	Exclusion of a coronary artery aneurysm using the STENTYS Xposition S balloon-delivery system with optical coherence tomography guidance: precise positioning without trouble. *Coronary Artery Disease*, **2017**, 28, 90-91	1.4	
13	Recurrent chest pain: Twhat is essential is invisible to the eye?T *European Heart Journal Supplements*, **2019**, 21, C11-C14	1.5	
12	Reply: Value of Optical Coherence Tomography in Angiographically Intermediate Coronary Lesions. *JACC: Cardiovascular Interventions*, **2020**, 13, 269-270	5	

List of Publications

11	Platelet microRNAs are not modulated by systemic heparin in acute coronary syndromes. *Clinical Chemistry and Laboratory Medicine*, **2016**, 54, e3-5	5.9
10	Intracoronary Imaging for Assessing the Risk of Coronary Microvascular Obstruction **2018**, 167-186	
9	Interpretation of optical coherence tomography images. *Lancet, The*, **2014**, 383, 1887	40
8	Complex vein graft intervention after double-valve transcatheter aortic valve replacement. *Coronary Artery Disease*, **2017**, 28, 173-174	1.4
7	Clinical Presentations and Coronary Plaque Characteristics **2015**, 81-97	
6	Monocyte-Platelet Aggregates Triggered by CD31 Molecule in Non-ST Elevation Myocardial Infarction: Clinical Implications in Plaque Rupture.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 741221	5.4
5	Detection of Vulnerable Plaque **2020**, 149-161	
4	Integrated Imaging **2012**, 125-137	
3	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
2	Quantitative analysis of the side-branch orifice after bifurcation stenting using en-face processing of OCT images: a comparison between Xience V and Resolute Integrity stents. *Coronary Artery Disease*, **2016**, 27, 19-28	1.4
1	DESolve novolimus-eluting bioresorbable coronary scaffold failure assessed by frequency-domain optical coherence tomography imaging. *Coronary Artery Disease*, **2016**, 27, 334-6	1.4