

Rocco Vergallo

List of Publications by Year in descending order

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106
papers

4,065
citations

159525

30
h-index

123376

61
g-index

137
all docs

137
docs citations

137
times ranked

3491
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vivo Diagnosis of Plaque Erosion and Calcified Nodule in Patients With Acute Coronary Syndrome by Intravascular Optical Coherence Tomography. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1748-1758.	1.2	648
2	Relationship between coronary plaque morphology of the left anterior descending artery and 12 months clinical outcome: the CLIMA study. <i>European Heart Journal</i> , 2020, 41, 383-391.	1.0	250
3	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. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1166-1176.	1.1	212
4	Incidence and Clinical Significance of Poststent Optical Coherence Tomography Findings. <i>Circulation</i> , 2015, 132, 1020-1029.	1.6	208
5	Atherosclerotic Plaque Healing. <i>New England Journal of Medicine</i> , 2020, 383, 846-857.	13.9	201
6	Distinct Morphological Features of Ruptured Culprit Plaque for Acute Coronary Events Compared to Those With Silent Rupture and Thin-Cap Fibroatheroma. <i>Journal of the American College of Cardiology</i> , 2014, 63, 2209-2216.	1.2	179
7	Prevalence and Characteristics of TCFA and Degree of Coronary Artery Stenosis. <i>Journal of the American College of Cardiology</i> , 2014, 64, 672-680.	1.2	131
8	Healed Culprit Plaques in Patients With Acute Coronary Syndromes. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2253-2263.	1.2	111
9	Optical coherence tomography in coronary atherosclerosis assessment and intervention. <i>Nature Reviews Cardiology</i> , 2022, 19, 684-703.	6.1	106
10	Comprehensive overview of definitions for optical coherence tomography-based plaque and stent analyses. <i>Coronary Artery Disease</i> , 2014, 25, 172-185.	0.3	103
11	Intracoronary microparticles and microvascular obstruction in patients with ST elevation myocardial infarction undergoing primary percutaneous intervention. <i>European Heart Journal</i> , 2012, 33, 2928-2938.	1.0	95
12	Endothelial Shear Stress and Coronary Plaque Characteristics in Humans. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 905-911.	1.3	95
13	Coronary Atherosclerotic Phenotype and Plaque Healing in Patients With Recurrent Acute Coronary Syndromes Compared With Patients With Long-term Clinical Stability. <i>JAMA Cardiology</i> , 2019, 4, 321.	3.0	92
14	Predictors of Periprocedural (Type IVa) Myocardial Infarction, as Assessed by Frequency-Domain Optical Coherence Tomography. <i>Circulation: Cardiovascular Interventions</i> , 2012, 5, 89-96.	1.4	84
15	Microvascular Dysfunction in Heart Failure With Preserved Ejection Fraction. <i>Frontiers in Physiology</i> , 2019, 10, 1347.	1.3	81
16	Pancoronary plaque vulnerability in patients with acute coronary syndrome and ruptured culprit plaque: A 3-vessel optical coherence tomography study. <i>American Heart Journal</i> , 2014, 167, 59-67.	1.2	74
17	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. <i>American Journal of Cardiology</i> , 2016, 117, 800-806.	0.7	73
18	Fractional Flow Reserve or Optical Coherence Tomography to Guide Management of Angiographically Intermediate Coronary Stenosis. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 49-58.	1.1	73

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19	Nonculprit Coronary Plaque Characteristics of Chronic Kidney Disease. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 448-456.	1.3	69
20	Alterations of Hyaluronan Metabolism in Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2018, 72, 1490-1503.	1.2	59
21	Prevalence and Predictors of Multiple Coronary Plaque Ruptures. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 2229-2238.	1.1	55
22	Not all plaque ruptures are born equal: an optical coherence tomography study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1271-1277.	0.5	45
23	Residual Thrombus Pattern in Patients With ST-Segment Elevation Myocardial Infarction Caused by Plaque Erosion Versus Plaque Rupture After Successful Fibrinolysis. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1336-1338.	1.2	44
24	Neoatherosclerosis after drug-eluting stent implantation: a novel clinical and therapeutic challenge. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2019, 5, 105-116.	1.4	44
25	Morphological predictors for no reflow phenomenon after primary percutaneous coronary intervention in patients with ST-segment elevation myocardial infarction caused by plaque rupture. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 103-110.	0.5	43
26	Correlation Between Degree of Neointimal Hyperplasia and Incidence and Characteristics of Neoatherosclerosis as Assessed by Optical Coherence Tomography. <i>American Journal of Cardiology</i> , 2013, 112, 1315-1321.	0.7	41
27	Features of Coronary Plaque in Patients With Metabolic Syndrome and Diabetes Mellitus Assessed by 3-Vessel Optical Coherence Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 665-673.	1.3	40
28	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. <i>EuroIntervention</i> , 2015, 11, 407-415.	1.4	40
29	Healed Plaques in Patients With Stable Angina Pectoris. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1587-1597.	1.1	37
30	Characteristics of non-culprit plaques in acute coronary syndrome patients with layered culprit plaque. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1421-1430.	0.5	36
31	Clinical, angiographic and echocardiographic correlates of epicardial and microvascular spasm in patients with myocardial ischaemia and non-obstructive coronary arteries. <i>Clinical Research in Cardiology</i> , 2020, 109, 435-443.	1.5	35
32	Comparison of near-infrared spectroscopy and optical coherence tomography for detection of lipid. <i>Catheterization and Cardiovascular Interventions</i> , 2014, 84, 710-717.	0.7	28
33	Are we ready for a gender-specific approach in interventional cardiology?. <i>International Journal of Cardiology</i> , 2019, 286, 226-233.	0.8	28
34	Comparison by Optical Coherence Tomography of the Frequency of Lipid Coronary Plaques in Current Smokers, Former Smokers, and Nonsmokers. <i>American Journal of Cardiology</i> , 2014, 114, 674-680.	0.7	27
35	Antithrombotic therapy in the early phase of non-ST-elevation acute coronary syndromes: a systematic review and meta-analysis. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2020, 6, 43-56.	1.4	26
36	Drug-Eluting Balloon Angioplasty for Carotid In-Stent Restenosis. <i>Journal of Endovascular Therapy</i> , 2012, 19, 729-733.	0.8	25

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37	Correlation between CD4+CD28null T lymphocytes, regulatory T cells and plaque rupture: An Optical Coherence Tomography study in Acute Coronary Syndromes. <i>International Journal of Cardiology</i> , 2019, 276, 289-292.	0.8	25
38	Spatial heterogeneity of neoatherosclerosis and its relationship with neovascularization and adjacent plaque characteristics: Optical coherence tomography study. <i>American Heart Journal</i> , 2014, 167, 884-892.e2.	1.2	24
39	Long-term clinical impact of permanent pacemaker implantation in patients undergoing transcatheter aortic valve implantation: a systematic review and meta-analysis. <i>Europace</i> , 2022, 24, 1127-1136.	0.7	24
40	Colchicine in ischemic heart disease: the good, the bad and the ugly. <i>Clinical Research in Cardiology</i> , 2021, 110, 1531-1542.	1.5	22
41	Quantitative Blush Evaluator accurately quantifies microvascular dysfunction in patients with ST-elevation myocardial infarction: Comparison with cardiovascular magnetic resonance. <i>American Heart Journal</i> , 2011, 162, 372-381.e2.	1.2	20
42	Identification of the haemodynamic environment permissive for plaque erosion. <i>Scientific Reports</i> , 2021, 11, 7253.	1.6	20
43	Dual therapy with direct oral anticoagulants significantly increases the risk of stent thrombosis compared to triple therapy. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2020, 6, 128-129.	1.4	19
44	Comparison of Neoatherosclerosis and Neovascularization Between Patients With and Without Diabetes. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 1044-1052.	1.1	18
45	Electronic Cigarettes and Cardiovascular Risk: Caution Waiting for Evidence. <i>European Cardiology Review</i> , 2019, 14, 151-158.	0.7	18
46	Coronary plaque erosion developing in an area of high endothelial shear stress. <i>Coronary Artery Disease</i> , 2019, 30, 74-75.	0.3	17
47	Duration of dual antiplatelet therapy and subsequent monotherapy type in patients undergoing drug-eluting stent implantation: a network meta-analysis. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2022, 8, 56-64.	1.4	17
48	Relative risk of plaque erosion among different age and sex groups in patients with acute coronary syndrome. <i>Journal of Thrombosis and Thrombolysis</i> , 2020, 49, 352-359.	1.0	15
49	Insights into the spatial distribution of lipid-rich plaques in relation to coronary artery bifurcations. <i>Coronary Artery Disease</i> , 2015, 26, 133-141.	0.3	14
50	Recurrent myocardial infarctions and premature coronary atherosclerosis in a 23-year-old man with antiphospholipid syndrome. <i>Thrombosis and Haemostasis</i> , 2016, 115, 237-239.	1.8	14
51	High-risk percutaneous coronary intervention: how to define it today?. <i>Minerva Cardioangiologica</i> , 2018, 66, 576-593.	1.2	14
52	Optical coherence tomography and C-reactive protein in risk stratification of acute coronary syndromes. <i>International Journal of Cardiology</i> , 2019, 286, 7-12.	0.8	13
53	Randomised trials and meta-analyses of double vs triple antithrombotic therapy for atrial fibrillation-ACS/PCI: A critical appraisal. <i>IJC Heart and Vasculature</i> , 2020, 28, 100524.	0.6	13
54	New prediction tools and treatment for ACS patients with plaque erosion. <i>Atherosclerosis</i> , 2021, 318, 45-51.	0.4	13

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55	Long-term Morphofunctional Remodeling of Internal Thoracic Artery Grafts. <i>Circulation: Cardiovascular Interventions</i> , 2013, 6, 269-276.	1.4	12
56	Computer-Aided Image Analysis Algorithm to Enhance In Vivo Diagnosis of Plaque Erosion by Intravascular Optical Coherence Tomography. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 805-810.	1.3	12
57	Early anticoagulation in the current management of NSTEMI-ACS: Evidence, guidelines, practice and perspectives. <i>International Journal of Cardiology</i> , 2019, 275, 39-45.	0.8	12
58	Prospective Randomized Comparison of Fractional Flow Reserve Versus Optical Coherence Tomography to Guide Revascularization of Intermediate Coronary Stenoses: One-Month Results. <i>Journal of the American Heart Association</i> , 2019, 8, e012772.	1.6	11
59	Are Atherogenic Lipoprotein Phenotype and Inflammation Indicative of Plaque Phenotype and Clinical Stability in Coronary Artery Disease?â€”Reply. <i>JAMA Cardiology</i> , 2019, 4, 951.	3.0	10
60	Ticagrelor immediately prior to stenting is associated with smaller residual thrombus in patients with acute coronary syndrome. <i>International Journal of Cardiology</i> , 2013, 168, 3099-3101.	0.8	9
61	Morphologic characteristics of eroded coronary plaques: a combined angiographic, optical coherence tomography, and intravascular ultrasound study. <i>International Journal of Cardiology</i> , 2014, 176, e137-e139.	0.8	9
62	Three-dimensional morphological response of lipid-rich coronary plaques to statin therapy. <i>Coronary Artery Disease</i> , 2016, 27, 350-356.	0.3	9
63	Dual quantitative coronary angiography accurately quantifies intracoronary thrombotic burden in patients with acute coronary syndrome: Comparison with optical coherence tomography imaging. <i>International Journal of Cardiology</i> , 2019, 292, 25-31.	0.8	9
64	Is age an important factor for vascular response to statin therapy? A serial optical coherence tomography and intravascular ultrasound study. <i>Coronary Artery Disease</i> , 2017, 28, 209-217.	0.3	8
65	Clinical utility of quantitative bright spots analysis in patients with acute coronary syndrome: an optical coherence tomography study. <i>International Journal of Cardiovascular Imaging</i> , 2015, 31, 1479-1487.	0.7	7
66	Changes in coronary plaque morphology in patients with acute coronary syndrome versus stable angina pectoris after initiation of statin therapy. <i>Coronary Artery Disease</i> , 2016, 27, 629-635.	0.3	7
67	Perilipin 2 levels are increased in patients with in-stent neoatherosclerosis: A clue to mechanisms of accelerated plaque formation after drug-eluting stent implantation. <i>International Journal of Cardiology</i> , 2018, 258, 55-58.	0.8	7
68	Evaluation of culprit lesions by optical coherence tomography in patients with ST-elevation myocardial infarction. <i>International Journal of Cardiology</i> , 2013, 168, 1592-1593.	0.8	6
69	Plaque Erosion. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, e63-e64.	1.1	6
70	Dropping aspirin in patients with atrial fibrillation undergoing percutaneous coronary intervention: a jump with a weak parachute?. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2019, 5, 55-56.	1.4	6
71	Bivalirudin versus unfractionated heparin for residual thrombus burden: A frequency-domain optical coherence tomography study. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 575-582.	0.7	5
72	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. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 1390-1398.	0.5	5

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73	Optical Coherence Tomographic Evaluation of the Effect of Cigarette Smoking on Vascular Healing After Sirolimus-Eluting Stent Implantation. <i>American Journal of Cardiology</i> , 2015, 115, 751-757.	0.7	5
74	Serial Optical Coherence Tomography and Intravascular Ultrasound Analysis of Gender Difference in Changes of Plaque Phenotype in Response to Lipid-Lowering Therapy. <i>American Journal of Cardiology</i> , 2016, 117, 1890-1895.	0.7	5
75	Associations between the Framingham Risk Score and coronary plaque characteristics as assessed by three-vessel optical coherence tomography. <i>Coronary Artery Disease</i> , 2016, 27, 460-466.	0.3	5
76	Recurrent acute coronary syndrome and mechanisms of plaque instability. <i>International Journal of Cardiology</i> , 2017, 243, 98-102.	0.8	5
77	Sustained safe and effective anticoagulation using Edoxaban via percutaneous endoscopic gastrostomy. <i>ESC Heart Failure</i> , 2019, 6, 884-888.	1.4	5
78	Atherosclerotic Plaque Disruption and Healing. <i>European Heart Journal</i> , 2020, 41, 4079-4080.	1.0	5
79	A case report of coronary artery spasm and takotsubo syndrome: exploring the hidden side of the moon. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytaa477.	0.3	5
80	Plaque erosion: Towards precision medicine in acute coronary syndromes. <i>International Journal of Cardiology</i> , 2019, 288, 22-24.	0.8	4
81	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. <i>International Journal of Cardiology</i> , 2020, 304, 192-197.	0.8	3
82	ORal anticoagulants In fraGile patients with percutAneous endoscopic gastrostoMy and atrlral fibrillation: the (ORIGAMI) study. <i>Journal of Cardiovascular Medicine</i> , 2021, 22, 175-179.	0.6	3
83	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. <i>Journal of the American College of Cardiology</i> , 2013, 62, B198.	1.2	2
84	Plaque erosion causing ST-segment elevation myocardial infarction. <i>Coronary Artery Disease</i> , 2017, 28, 355-357.	0.3	2
85	Monocyte-Platelet Aggregates Triggered by CD31 Molecule in Non-ST Elevation Myocardial Infarction: Clinical Implications in Plaque Rupture. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 741221.	1.1	2
86	Optical Frequency-Domain Imaging to Guide Implantation of a Paclitaxel-Eluting Stent in the Femoral Artery. <i>Journal of Endovascular Therapy</i> , 2014, 21, 456-459.	0.8	1
87	Predicting the future after acute myocardial infarction: A gaze into the crystal ball of gene expression profile. <i>International Journal of Cardiology</i> , 2018, 254, 47-48.	0.8	1
88	How deep is your lesion? Extreme guideliner V3 intubation through RIMA graft to treat a distal left anterior descending artery stenosis. <i>Journal of Cardiovascular Medicine</i> , 2018, 19, 606-608.	0.6	1
89	A case of â€™resistantâ€™ thrombus. <i>Journal of Cardiovascular Medicine</i> , 2019, 20, 397-399.	0.6	1
90	OUP accepted manuscript. <i>European Heart Journal</i> , 2022, , .	1.0	1

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91	The role of the neuroimmune axis as a new frontier in atherosclerosis. <i>European Heart Journal</i> , 0, , .	1.0	1
92	Interpretation of optical coherence tomography images. <i>Lancet</i> , The, 2014, 383, 1887.	6.3	0
93	Quantitative analysis of the side-branch orifice after bifurcation stenting using en-face processing of OCT images. <i>Coronary Artery Disease</i> , 2016, 27, 19-28.	0.3	0
94	DESolve novolimus-eluting bioresorbable coronary scaffold failure assessed by frequency-domain optical coherence tomography imaging. <i>Coronary Artery Disease</i> , 2016, 27, 334-336.	0.3	0
95	Platelet microRNAs are not modulated by systemic heparin in acute coronary syndromes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016, 54, e3-5.	1.4	0
96	Exclusion of a coronary artery aneurysm using the STENTYS Xposition S balloon-delivery system with optical coherence tomography guidance. <i>Coronary Artery Disease</i> , 2017, 28, 90-91.	0.3	0
97	Complex vein graft intervention after double-valve transcatheter aortic valve replacement. <i>Coronary Artery Disease</i> , 2017, 28, 173-174.	0.3	0
98	Intracoronary Imaging for Assessing the Risk of Coronary Microvascular Obstruction. , 2018, , 167-186.		0
99	Recurrent chest pain: "what is essential is invisible to the eye?"™. <i>European Heart Journal Supplements</i> , 2019, 21, C11-C14.	0.0	0
100	Response by Russo et al Regarding Article, "Healed Plaques in Patients With Stable Angina Pectoris": Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, e258-e259.	1.1	0
101	Reply. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 269-270.	1.1	0
102	Integrated Imaging. , 2012, , 125-137.		0
103	Detection of Vulnerable Plaque. , 2020, , 149-161.		0
104	The DISCHARGE trial: <i>imaging</i> a new strategy for the clinical management of stable chest pain?. <i>European Heart Journal</i> , 2022, , .	1.0	0
105	Long lasting effects of renal denervation: lights and shadows of the SPYRAL HTN-ON MED 3-year follow-up. <i>European Heart Journal</i> , 0, , .	1.0	0
106	The UK TAVI trial: an independent, pragmatic study extending the evidence for the treatment of symptomatic severe aortic stenosis. <i>European Heart Journal</i> , 0, , .	1.0	0