

Francesco Prati

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113 papers	6,105 citations	35 h-index	77 g-index
131 ext. papers	7,374 ext. citations	4.7 avg, IF	5 L-index

#	Paper	IF	Citations
113	Relationship between the amount and location of macrophages and clinical outcome: subanalysis of the CLIMA-study. <i>International Journal of Cardiology</i> , 2022 , 346, 8-12	3.2	0
112	The Role of the Association Between Serum C-Reactive Protein Levels and Coronary Plaque Macrophage Accumulation in Predicting Clinical Events - Results from the CLIMA Registry.. <i>Journal of Cardiovascular Translational Research</i> , 2022 , 1	3.3	0
111	Optical coherence tomography in coronary atherosclerosis assessment and intervention.. <i>Nature Reviews Cardiology</i> , 2022 ,	14.8	8
110	Present and future of coronary risk assessment. <i>European Heart Journal Supplements</i> , 2021 , 23, E123-E127	1.7	2
109	Adoption of a new automated optical coherence tomography software to obtain a lipid plaque spread-out plot. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 3129-3135	2.5	1
108	Effects of stent postdilatation during primary PCI for STEMI: Insights from coronary physiology and optical coherence tomography. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 97, 1309-1317	2.7	2
107	Prevalence and quantitative assessment of macrophages in coronary plaques. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 37-45	2.5	3
106	Optical coherence tomography-guided coronary stent implantation compared to angiography: a multicentre randomised trial in PCI - design and rationale of ILUMIEN IV: OPTIMAL PCI. <i>EuroIntervention</i> , 2021 , 16, 1092-1099	3.1	25
105	Adenosine and fractional flow reserve: no reason to be afraid anymore!. <i>Minerva Cardiology and Angiology</i> , 2021 , 69, 446-448	2.4	
104	Optical coherence tomography, intravascular ultrasound or angiography guidance for distal left main coronary stenting. The ROCK cohort II study. <i>Catheterization and Cardiovascular Interventions</i> , 2021 ,	2.7	2
103	Myocardial infarction with non-obstructive coronary artery disease. <i>EuroIntervention</i> , 2021 , 17, e875-e887	3.1	9
102	Clinical outcomes of suboptimal stent deployment as assessed by optical coherence tomography: long-term results of the CLI-OPCI registry. <i>EuroIntervention</i> , 2021 ,	3.1	1
101	Coronary inflammation: why searching, how to identify and treat it. <i>European Heart Journal Supplements</i> , 2020 , 22, E121-E124	1.5	5
100	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	9.5	105
99	Vulnerable struts with CRE8, Biomatrix and Xience stents assessed with OCT and their correlation with clinical variables at 6-month follow-up: the CREBX-OCT study. <i>International Journal of Cardiovascular Imaging</i> , 2020 , 36, 217-230	2.5	3
98	Role of optical coherence tomography for distal left main stem angioplasty. <i>Catheterization and Cardiovascular Interventions</i> , 2020 , 96, 755-761	2.7	10
97	Subclinical atherosclerosis: how and when to treat it?. <i>European Heart Journal Supplements</i> , 2020 , 22, E87-E90	1.5	11

96	Optical coherence tomography assessment of macrophages accumulation in non-ST-segment elevation acute coronary syndromes. <i>Journal of Cardiovascular Medicine</i> , 2020 , 21, 860-865	1.9	1
95	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. <i>European Heart Journal</i> , 2019 , 40, 3544-3554	9.5	104
94	Comparative Effectiveness and Safety of Polymer-Free Biolimus-Eluting Stent and Durable Polymer Everolimus-Eluting Stent in All-Coroner Patients Who Underwent Percutaneous Coronary Interventions. <i>American Journal of Cardiology</i> , 2019 , 124, 195-204	3	6
93	The CLIMA study: assessing the risk of myocardial infarction with a new anatomical score. <i>European Heart Journal Supplements</i> , 2019 , 21, B80-B83	1.5	3
92	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. <i>JAMA Cardiology</i> , 2019 , 4, 321-329	16.2	55
91	Identification of patients and plaques vulnerable to future coronary events with near-infrared spectroscopy intravascular ultrasound imaging: a prospective, cohort study. <i>Lancet, The</i> , 2019 , 394, 1629-1637	49.1637	131
90	Multi-Imaging Investigation to Evaluate the Relationship between Serum Cystatin C and Features of Atherosclerosis in Non-ST-Segment Elevation Acute Coronary Syndrome. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 657	2.6	
89	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. <i>EuroIntervention</i> , 2019 , 15, 434-451	3.1	15
88	Personalised risk stratification of acute coronary syndromes calls for a less broad grouping of MACE. <i>EuroIntervention</i> , 2019 , 14, 1631-1634	3.1	
87	Assessment of Mechanisms of Acute Coronary Syndromes and Composition of Culprit Plaques in Patients With and Without Diabetes. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 1111-1112	8.4	2
86	OCT/atherectomy/pathology studies open new perspectives for in vivo characterization of plaque composition. <i>International Journal of Cardiology</i> , 2019 , 284, 14-15	3.2	
85	Role of optical coherence tomography in identifying sub-optimal stent positioning and predicting major adverse cardiac events in a comparative study with angiography: a CLIO-OPCI II sub-study. <i>Coronary Artery Disease</i> , 2018 , 29, 384-388	1.4	3
84	In vivo vulnerability grading system of plaques causing acute coronary syndromes: An intravascular imaging study. <i>International Journal of Cardiology</i> , 2018 , 269, 350-355	3.2	12
83	Optical Coherence Tomography in the Catheterization Laboratory 2018 , 365-374		
82	Innovative invasive management without stent implantation guided by optical coherence tomography in acute coronary syndrome. <i>Archives of Cardiovascular Diseases</i> , 2018 , 111, 666-677	2.7	5
81	Long-term consequences of optical coherence tomography findings during percutaneous coronary intervention: the Centro Per La Lotta Contro L'Infarto - Optimization Of Percutaneous Coronary Intervention (CLI-OPCI) LATE study. <i>EuroIntervention</i> , 2018 , 14, e443-e451	3.1	19
80	Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. <i>EuroIntervention</i> , 2018 , 14, 656-677	3.1	53
79	A comparison of intracoronary treatment strategies for thrombus burden removal during primary percutaneous coronary intervention: a COCTAIL II substudy. <i>Coronary Artery Disease</i> , 2018 , 29, 186-193	1.4	1

78	Clinical use of intracoronary imaging. Part 1: guidance and optimization of coronary interventions. An expert consensus document of the European Association of Percutaneous Cardiovascular Interventions. <i>European Heart Journal</i> , 2018 , 39, 3281-3300	9.5	212
77	The role of residual intrastent thrombus during primary angioplasty: insights from the COCTAIL II study. <i>Journal of Cardiovascular Medicine</i> , 2017 , 18, 348-353	1.9	2
76	Relation between thoracic aortic inflammation and features of plaque vulnerability in the coronary tree in patients with non-ST-segment elevation acute coronary syndrome undergoing percutaneous coronary intervention. An FDG-positron emission tomography and optical coherence tomography study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 1878-1887	8.8	6
75	Recurrent acute coronary syndrome and mechanisms of plaque instability. <i>International Journal of Cardiology</i> , 2017 , 243, 98-102	3.2	3
74	Role of residual acute stent malapposition in percutaneous coronary interventions. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 90, 566-575	2.7	30
73	Atherosclerosis to predict cardiac events: where and how to look for it. <i>Journal of Cardiovascular Medicine</i> , 2017 , 18 Suppl 1, e154-e156	1.9	2
72	The value of imaging in subclinical coronary artery disease. <i>Vascular Pharmacology</i> , 2016 , 82, 20-9	5.9	1
71	Reproducibility of serial optical coherence tomography measurements for lumen area and plaque components in humans (The CLI-VAR [Centro per la Lotta Contro l'Infarto-variability] II study). <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 381-7	2.5	4
70	Optical coherence tomography for characterization of cardiac allograft vasculopathy in late survivors of pediatric heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2016 , 35, 74-79	5.8	19
69	Comparative analysis method of permanent metallic stents (XIENCE) and bioresorbable poly-L-lactic (PLLA) scaffolds (Absorb) on optical coherence tomography at baseline and follow-up. <i>EuroIntervention</i> , 2016 , 12, 1498-1509	3.1	44
68	Comparison between intermediate and severe coronary stenoses and clinical outcomes of an OCT-guided PCI strategy. <i>Journal of Cardiovascular Medicine</i> , 2016 , 17, 361-7	1.9	2
67	Impact of oral P2Y12 inhibitors on residual thrombus burden and reperfusion indexes in patients with ST-segment elevation myocardial infarction. <i>Journal of Cardiovascular Medicine</i> , 2016 , 17, 701-6	1.9	3
66	Clinical Impact of Suboptimal Stenting and Residual Intrastent Plaque/Thrombus Protrusion in Patients With Acute Coronary Syndrome: The CLI-OPCI ACS Substudy (Centro per la Lotta Contro l'Infarto-Optimization of Percutaneous Coronary Intervention in Acute Coronary Syndrome). <i>Circulation: Cardiovascular Interventions</i> , 2016 , 9,	6	39
65	The Authors Reply. <i>JACC: Cardiovascular Imaging</i> , 2016 , 9, 903-904	8.4	
64	Plaque rupture and intact fibrous cap assessed by optical coherence tomography portend different outcomes in patients with acute coronary syndrome. <i>European Heart Journal</i> , 2015 , 36, 1377-84	9.5	161
63	Identification and quantification of macrophage presence in coronary atherosclerotic plaques by optical coherence tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2015 , 16, 807-13	4.1	50
62	Comparison of Strut Coverage at 6 Months by Optical Coherence Tomography With Everolimus-Eluting Stenting of Bare-Metal Stent Restenosis Versus Stenosis of Nonstented Atherosclerotic Narrowing (from the DESERT Study). <i>American Journal of Cardiology</i> , 2015 , 115, 1351-6	3	6
61	Optical coherence tomography features of angiographic complex and smooth lesions in acute coronary syndromes. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 927-34	2.5	11

60	Clinical Impact of OCT Findings During PCI: The CLI-OPCI II Study. <i>JACC: Cardiovascular Imaging</i> , 2015 , 8, 1297-305	8.4	177
59	Randomized evaluation of intralesion versus intracoronary abciximab and aspiration thrombectomy in patients with ST-elevation myocardial infarction: The COCTAIL II trial. <i>American Heart Journal</i> , 2015 , 170, 1116-23	4.9	21
58	Quantification of manual thrombus removal in patients with acute coronary syndromes: a study exploiting serial frequency domain-optical coherence tomography. <i>Journal of Cardiovascular Medicine</i> , 2015 , 16, 204-12	1.9	4
57	Optical coherence tomography assessment and quantification of intracoronary thrombus: Status and perspectives. <i>Cardiovascular Revascularization Medicine</i> , 2015 , 16, 172-8	1.6	14
56	Suboptimal stent deployment is associated with subacute stent thrombosis: optical coherence tomography insights from a multicenter matched study. From the CLI Foundation investigators: the CLI-THRO study. <i>American Heart Journal</i> , 2015 , 169, 249-56	4.9	62
55	Serial optical coherence tomography imaging of ACS-causing culprit plaques. <i>EuroIntervention</i> , 2015 , 11, 319-24	3.1	17
54	Invasive management without stents in selected acute coronary syndrome patients with a large thrombus burden: a prospective study of optical coherence tomography guided treatment decisions. <i>EuroIntervention</i> , 2015 , 11, 895-904	3.1	25
53	Optical Coherence Tomography for the Assessment of Coronary Artery Disease 2015 , 1419-1430		
52	Reproducibility of the Carpet View system: a novel technical solution for display and off line analysis of OCT images. <i>International Journal of Cardiovascular Imaging</i> , 2014 , 30, 1225-33	2.5	3
51	Randomized comparison between 3-month Cre8 DES vs. 1-month Vision/Multilink8 BMS neointimal coverage assessed by OCT evaluation: the DEMONSTRATE study. <i>International Journal of Cardiology</i> , 2014 , 176, 904-9	3.2	28
50	Clinical classification of plaque morphology in coronary disease. <i>Nature Reviews Cardiology</i> , 2014 , 11, 379-89	14.8	156
49	Methodology for fully automated segmentation and plaque characterization in intracoronary optical coherence tomography images. <i>Journal of Biomedical Optics</i> , 2014 , 19, 026009	3.5	61
48	Comprehensive overview of definitions for optical coherence tomography-based plaque and stent analyses. <i>Coronary Artery Disease</i> , 2014 , 25, 172-85	1.4	93
47	Safety and performance of the drug-eluting absorbable metal scaffold (DREAMS) in patients with de-novo coronary lesions: 12 month results of the prospective, multicentre, first-in-man BIOSOLVE-I trial. <i>Lancet, The</i> , 2013 , 381, 836-44	4.0	285
46	OCT Guidance to Improve Clinical Outcome of Coronary Interventions: What Have We Learnt?. <i>Current Cardiovascular Imaging Reports</i> , 2013 , 6, 421-425	0.7	
45	Optical coherence tomography guided in-stent thrombus removal in patients with acute coronary syndromes. <i>International Journal of Cardiovascular Imaging</i> , 2013 , 29, 989-96	2.5	13
44	Association between proximal stent edge positioning on atherosclerotic plaques containing lipid pools and postprocedural myocardial infarction (from the CLI-POOL Study). <i>American Journal of Cardiology</i> , 2013 , 111, 526-31	3	30
43	Intravascular ultrasound versus optical coherence tomography guidance. <i>Journal of the American College of Cardiology</i> , 2013 , 62, S32-40	15.1	46

42	Optical coherence tomography criteria for defining functional severity of intermediate lesions: a comparative study with FFR. <i>International Journal of Cardiovascular Imaging</i> , 2013 , 29, 1685-91	2.5	33
41	A "stable" coronary plaque rupture documented by repeated OCT studies. <i>JACC: Cardiovascular Imaging</i> , 2013 , 6, 835-6	8.4	11
40	Transcatheter renal sympathetic ablation for resistant hypertension: in vivo insights in humans from optical coherence tomography. <i>International Journal of Cardiology</i> , 2013 , 165, e35-7	3.2	14
39	Fully automated calcium detection using optical coherence tomography. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2013 , 2013, 1430-3	0.9	8
38	Severity of coronary atherosclerosis in patients with a first acute coronary event: a diabetes paradox. <i>European Heart Journal</i> , 2013 , 34, 729-41	9.5	78
37	Early vessel healing of the Avantgarde cobalt-chromium coronary stent: the ON-GARDE OCT study. <i>Journal of Cardiovascular Medicine</i> , 2013 , 14, 276-80	1.9	4
36	Randomized trial of standard versus ClearWay-infused abciximab and thrombectomy in myocardial infarction: rationale and design of the COCTAIL II study. <i>Journal of Cardiovascular Medicine</i> , 2013 , 14, 364-71	1.9	12
35	Stent-related defects in patients presenting with stent thrombosis: differences at optical coherence tomography between subacute and late/very late thrombosis in the Mechanism Of Stent Thrombosis (MOST) study. <i>EuroIntervention</i> , 2013 , 9, 936-44	3.1	43
34	Optical Coherence Tomography (OCT) 2013 , 363-375		1
33	Optical Coherence Tomography in the Cathlab 2013 , 137-146		
32	Optical Coherence Tomography in the Catheterization Laboratory 2013 , 1-14		
31	Imaging of intraplaque haemorrhage. <i>Journal of Cardiovascular Medicine</i> , 2012 , 13, 640-4	1.9	4
30	Expert review document part 2: methodology, terminology and clinical applications of optical coherence tomography for the assessment of interventional procedures. <i>European Heart Journal</i> , 2012 , 33, 2513-20	9.5	286
29	Consensus standards for acquisition, measurement, and reporting of intravascular optical coherence tomography studies: a report from the International Working Group for Intravascular Optical Coherence Tomography Standardization and Validation. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1058-72	15.1	1216
28	Reproducibility of coronary optical coherence tomography for lumen and length measurements in humans (The CLI-VAR [Centro per la Lotta contro l'Infarto-VARIability] study). <i>American Journal of Cardiology</i> , 2012 , 110, 1106-12	3	35
27	Angiography alone versus angiography plus optical coherence tomography to guide decision-making during percutaneous coronary intervention: the Centro per la Lotta contro l'Infarto-Optimisation of Percutaneous Coronary Intervention (CLI-OPCI) study. <i>EuroIntervention</i> , 2012 , 8, 823-9	3.1	255
26	Invasive Imaging of Coronary Atherosclerotic Plaques 2012 , 363-369		
25	Plaque imaging with optical coherence tomography: Current status and potential clinical implications 2012 , 175-185		

24	Plaque imaging with optical coherence tomography 2012 , 175-185		
23	Head-to-head comparison of early vessel healing by optical coherence tomography after implantation of different stents in the same patient. <i>Journal of Cardiovascular Medicine</i> , 2011 , 12, 328-33 ^{1.9}	9	
22	Focus on the COCTAIL study. <i>Interventional Cardiology</i> , 2011 , 3, 275-281	3	
21	Detection of very early stent healing after primary angioplasty: an optical coherence tomographic observational study of chromium cobaltum and first-generation drug-eluting stents. The DETECTIVE study. <i>Heart</i> , 2011 , 97, 1841-6	5.1	23
20	High levels of systemic myeloperoxidase are associated with coronary plaque erosion in patients with acute coronary syndromes: a clinicopathological study. <i>Circulation</i> , 2010 , 122, 2505-13	16.7	170
19	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. <i>European Heart Journal</i> , 2010 , 31, 1461-15	9.5	642
18	The fate of incomplete stent apposition with drug-eluting stents: an optical coherence tomography-based natural history study. <i>European Heart Journal</i> , 2010 , 31, 1470-6	9.5	145
17	Rapid Evaluation of Vessel HEaling After AngiopLasty (REVEAL) trial: rationale, objectives and design. <i>Journal of Cardiovascular Medicine</i> , 2010 , 11, 53-8	1.9	4
16	ClearWayRX system to reduce intracoronary thrombus in patients with acute coronary syndromes according to optical coherence tomography after abciximab intracoronary local infusion trial (COCTAIL): study rationale and design. <i>Journal of Cardiovascular Medicine</i> , 2010 , 11, 130-6	1.9	8
15	Local delivery versus intracoronary infusion of abciximab in patients with acute coronary syndromes. <i>JACC: Cardiovascular Interventions</i> , 2010 , 3, 928-34	5	65
14	Evaluation of infarct-related coronary artery patency and microcirculatory function after facilitated percutaneous primary coronary angioplasty: the FINESSE-ANGIO (Facilitated Intervention With Enhanced Reperfusion Speed to Stop Events-Angiographic) study. <i>JACC: Cardiovascular Interventions</i> , 2010 , 3, 1284-91	5	24
13	The artery under the lens. <i>EuroIntervention</i> , 2010 , 6, 15-17	3.1	2
12	Safety and feasibility of frequency domain optical coherence tomography to guide decision making in percutaneous coronary intervention. <i>EuroIntervention</i> , 2010 , 6, 575-81	3.1	120
11	Optical coherence tomographic results at six-month follow-up evaluation of the CATANIA coronary stent system with nanothin Polyzene-F surface modification (from the Assessment of The LAtest Non-Thrombogenic Angioplasty Stent [ATLANTA] trial). <i>American Journal of Cardiology</i> , 2009 , 103, 1551-5	3	18
10	First-in-man 1-year clinical outcomes of the Catania Coronary Stent System with Nanothin Polyzene-F in de novo native coronary artery lesions: the ATLANTA (Assessment of The LAtest Non-Thrombogenic Angioplasty stent) trial. <i>JACC: Cardiovascular Interventions</i> , 2009 , 2, 197-204	5	27
9	A multicentre evaluation of the safety of intracoronary optical coherence tomography. <i>EuroIntervention</i> , 2009 , 5, 90-5	3.1	70
8	Comparison of optical coherence tomography and intravascular ultrasound for the assessment of in-stent tissue coverage after stent implantation. <i>EuroIntervention</i> , 2009 , 5, 538-43	3.1	45
7	From bench to bedside: a novel technique of acquiring OCT images. <i>Circulation Journal</i> , 2008 , 72, 839-43 ^{2.9}		84

6	Optical coherence tomography accurately identifies intermediate atherosclerotic lesions--an in vivo evaluation in the rabbit carotid artery. <i>Atherosclerosis</i> , 2007 , 193, 94-101	3.1	34
5	Safety and feasibility of a new non-occlusive technique for facilitated intracoronary optical coherence tomography (OCT) acquisition in various clinical and anatomical scenarios. <i>EuroIntervention</i> , 2007 , 3, 365-70	3.1	108
4	Angiographic evaluation of the effect of intracoronary abciximab administration in patients undergoing urgent PCI. <i>International Journal of Cardiology</i> , 2005 , 105, 250-5	3.2	38
3	Stenting of culprit lesions in unstable angina leads to a marked reduction in plaque burden: a major role of plaque embolization? A serial intravascular ultrasound study. <i>Circulation</i> , 2003 , 107, 2320-5	16.7	87
2	In-stent neointimal proliferation correlates with the amount of residual plaque burden outside the stent: an intravascular ultrasound study. <i>Circulation</i> , 1999 , 99, 1011-4	16.7	128
1	OCT in the Clinical Practice and Data from Clinical Studies. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 209-219	0.4	