

Antonios Karanasos

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

1,877
citations

236833

25
h-index

315616

38
g-index

142
all docs

142
docs citations

142
times ranked

2392
citing authors

#	ARTICLE	IF	CITATIONS
1	Greek BLS Certified Providersâ€™ CPR Willingness and Skill Retention During the Pre-Vaccine Covid-19 Pandemic Period. A Survey of the Hellenic Society of Cardiology. Open Access Emergency Medicine, 2022, Volume 14, 63-75.	0.6	1
2	Editorial: Novel Approaches in Cardiovascular Imaging: Case Reports. Frontiers in Cardiovascular Medicine, 2022, 9, .	1.1	0
3	Trans-femoral TAVI: Successful hemostasis of a totally calcified femoral artery (â€œcalcium tubeâ€) with the MantaÂ© device. Hellenic Journal of Cardiology, 2021, 62, 158-160.	0.4	3
4	Association of systemic inflammatory biomarkers with morphological characteristics of coronary atherosclerotic plaque by intravascular optical coherence tomography. Hellenic Journal of Cardiology, 2021, 62, 101-106.	0.4	3
5	Trans-catheter aortic valve implantation: passing on to adulthood. Hellenic Journal of Cardiology, 2021, 62, 65-66.	0.4	0
6	Long-Term Outcomes and Valve Performance in Patients Undergoing Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2021, 147, 80-87.	0.7	4
7	Biomechanical Stress Profiling of Coronary Atherosclerosis. JACC: Cardiovascular Imaging, 2020, 13, 804-816.	2.3	32
8	Intravascular Polarimetry in Patients With Coronary Artery Disease. JACC: Cardiovascular Imaging, 2020, 13, 790-801.	2.3	35
9	POLARIMETRIC SIGNATURES OF VASCULAR TISSUE RESPONSE FOLLOWING DRUG-ELUTING STENT IMPLANTATION IN PATIENTS. Journal of the American College of Cardiology, 2020, 75, 1276.	1.2	1
10	Long-term clinical outcomes of coronary artery bypass graft surgery compared to those of percutaneous coronary intervention with second generation drug eluting stents in patients with stable angina and an isolated lesion in the proximal left anterior descending artery. Catheterization and Cardiovascular Interventions, 2020, 98, 447-457.	0.7	3
11	Impact of Smoking Status on Disease Severity and Mortality of Hospitalized Patients With COVID-19 Infection: A Systematic Review and Meta-analysis. Nicotine and Tobacco Research, 2020, 22, 1657-1659.	1.4	84
12	Polarimetric Signatures of Vascular Tissue Response to Drug-Eluting Stent Implantation in Patients. JACC: Cardiovascular Imaging, 2020, 13, 2695-2696.	2.3	5
13	Use of Extra Deep Guide-Catheter Intubation for Rotablation-Facilitated Percutaneous Coronary Intervention of the Right Coronary Artery. Cardiovascular Revascularization Medicine, 2019, 20, 13-14.	0.3	2
14	ST-Segment Elevation During Treadmill Exercise Test in a Patient without Prior Myocardial Infarction. A Case Report and Literature Review. Open Cardiovascular Medicine Journal, 2019, 13, 37-40.	0.6	0
15	Local Flow Patterns After Implantation of Bioresorbable Vascular Scaffold in Coronary Bifurcationsâ€• Novel Findings by Computational Fluid Dynamics â€•. Circulation Journal, 2018, 82, 1575-1583.	0.7	8
16	Expression of Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1 in Human Epicardial and Intramyocardial Coronary Arteries of Male Patients Undergoing Coronary Artery Bypass Grafting. Cardiology, 2018, 139, 203-207.	0.6	3
17	Association of stent-induced changes in coronary geometry with late stent failure: Insights from three-dimensional quantitative coronary angiographic analysis. Catheterization and Cardiovascular Interventions, 2018, 92, 1040-1048.	0.7	6
18	Coronary Plaque Microstructure and Composition Modify Optical Polarization. JACC: Cardiovascular Imaging, 2018, 11, 1666-1676.	2.3	54

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19	Repeatability Assessment of Intravascular Polarimetry in Patients. IEEE Transactions on Medical Imaging, 2018, 37, 1618-1625.	5.4	18
20	Implications of the local hemodynamic forces on the formation and destabilization of neoatherosclerotic lesions. International Journal of Cardiology, 2018, 272, 7-12.	0.8	16
21	Everolimus-eluting bioresorbable vascular scaffold implantation in Kawasaki disease: serial OCT observation. Hellenic Journal of Cardiology, 2018, 59, 358-359.	0.4	4
22	Inhibition of Aortic Valve Calcification by Local Delivery of Zoledronic Acid—An Experimental Study. Journal of Cardiovascular Translational Research, 2018, 11, 192-200.	1.1	11
23	Neointima and neoatherosclerotic characteristics in bare metal and first- and second-generation drug-eluting stents in patients admitted with cardiovascular events attributed to stent failure: an optical coherence tomography study. EuroIntervention, 2018, 13, e1831-e1840.	1.4	13
24	Qualitative and quantitative evaluation of dynamic changes in non-culprit coronary atherosclerotic lesion morphology: a longitudinal OCT study. EuroIntervention, 2018, 13, 2190-2200.	1.4	7
25	Safety of optical coherence tomography in daily practice: a comparison with intravascular ultrasound. European Heart Journal Cardiovascular Imaging, 2017, 18, jew037.	0.5	47
26	The -174 G>C Interleukin-6 Gene Polymorphism is Associated with Angiographic Progression of Coronary Artery Disease over a 4-Year Period. Hellenic Journal of Cardiology, 2017, 58, 80-86.	0.4	18
27	Visualization of extensive intraplaque neovascularization by optical coherence tomography. Hellenic Journal of Cardiology, 2017, 58, 87-88.	0.4	3
28	Intracoronary optical coherence tomography: Clinical and research applications and intravascular imaging software overview. Catheterization and Cardiovascular Interventions, 2017, 89, 679-689.	0.7	17
29	Comparison of prognostic risk scores after successful primary percutaneous coronary intervention. International Journal of Cardiology, 2017, 230, 482-487.	0.8	5
30	Contour segmentation of the intima, media, and adventitia layers in intracoronary OCT images: application to fully automatic detection of healthy wall regions. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 1923-1936.	1.7	21
31	A novel hybrid approach for reconstruction of coronary bifurcations using angiography and OCT. , 2017, 2017, 588-591.		7
32	Comparison of acute expansion of bioresorbable vascular scaffolds versus metallic drug-eluting stents in different degrees of calcification: An optical coherence tomography study. Catheterization and Cardiovascular Interventions, 2017, 89, 798-810.	0.7	6
33	Serial quantitative magnetic resonance angiography follow-up of renal artery dimensions following treatment by four different renal denervation systems. EuroIntervention, 2017, 12, e2271-e2277.	1.4	5
34	Impact of plaque type and side branch geometry on side branch compromise after provisional stent implantation: a simulation study. EuroIntervention, 2017, 13, e236-e245.	1.4	13
35	Late and very late scaffold thrombosis. , 2017, , 421-430.		0
36	34—Culprit coronary arteries in stable angina and unstable coronary artery disease have more vulnerable features when compared to non-culprit coronary arteries. Heart, 2016, 102, A15.2-A15.	1.2	0

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37	First clinical pilot study with intravascular polarization sensitive optical coherence tomography (Conference Presentation). , 2016, , .		1
38	Optical Coherence Tomography in Grafts. , 2016, , 539-554.		0
39	Optical coherence tomography guided treatment of recurrent drug-eluting stent failure using drug-eluting balloon. International Journal of Cardiology, 2016, 221, 32-33.	0.8	1
40	Fusion of fibrous cap thickness and wall shear stress to assess plaque vulnerability in coronary arteries: a pilot study. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1779-1790.	1.7	6
41	Everolimus-eluting bioresorbable vascular scaffolds implanted in coronary bifurcation lesions. International Journal of Cardiology, 2016, 221, 656-664.	0.8	3
42	Mid- to Long-Term Clinical Outcomes of Patients Treated With the Everolimus-Eluting Bioresorbable Vascular Scaffold. JACC: Cardiovascular Interventions, 2016, 9, 1652-1663.	1.1	30
43	Differential thrombotic prolapse burden in either bioresorbable vascular scaffolds or metallic stents implanted during acute myocardial infarction. International Journal of Cardiology, 2016, 220, 802-808.	0.8	9
44	Exercise versus targeting of endocannabinoid system for atheromatic plaque stabilization. Opposing or complementary roles?. Hellenic Journal of Cardiology, 2016, 57, 426-427.	0.4	0
45	Are BVS suitable for ACS patients? Support from a large single center real live registry. International Journal of Cardiology, 2016, 218, 89-97.	0.8	14
46	First-in-man assessment of plaque rupture by polarization-sensitive optical frequency domain imaging in vivo. European Heart Journal, 2016, 37, 1932-1932.	1.0	33
47	Metabolic syndrome predicts plaque rupture in patients with acute myocardial infarction. An optical coherence study. International Journal of Cardiology, 2016, 209, 139-141.	0.8	14
48	Intravascular polarization sensitive optical coherence tomography in human patients. , 2016, , .		4
49	Optical Coherence Tomography For the Detection of the Vulnerable Plaque. European Cardiology Review, 2016, 11, 90.	0.7	17
50	Automated characterisation of lipid core plaques in vivo by quantitative optical coherence tomography tissue type imaging. EuroIntervention, 2016, 12, 1490-1497.	1.4	11
51	Initial experience with everolimus-eluting bioresorbable vascular scaffolds for treatment of patients presenting with acute myocardial infarction: a propensity-matched comparison to metallic drug eluting stents 18-month follow-up of the BVS STEMI first study. EuroIntervention, 2016, 12, 30-37.	1.4	21
52	The OPTIS Integrated System: real-time, co-registration of angiography and optical coherence tomography. EuroIntervention, 2016, 12, 855-860.	1.4	19
53	Percutaneous left atrial appendage occlusion in patients with non-valvular atrial fibrillation: implantation and up to four years follow-up of the AMPLATZER Cardiac Plug. EuroIntervention, 2016, 11, 1188-1194.	1.4	83
54	Bioresorbable vascular scaffold for ST elevation myocardial infarction. Coronary Artery Disease, 2015, 26, 545-547.	0.3	0

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55	Influence of the Accuracy of Angiography-Based Reconstructions on Velocity and Wall Shear Stress Computations in Coronary Bifurcations: A Phantom Study. PLoS ONE, 2015, 10, e0145114.	1.1	16
56	Serial imaging observations of vascular healing in a denervation-induced renal artery dissection. European Heart Journal, 2015, 36, 1040-1040.	1.0	2
57	Association of wall shear stress with long-term vascular healing response following bioresorbable vascular scaffold implantation. International Journal of Cardiology, 2015, 191, 279-283.	0.8	9
58	Validation of Renal Artery Dimensions Measured by Magnetic Resonance Angiography in Patients Referred for Renal Sympathetic Denervation. Academic Radiology, 2015, 22, 1106-1114.	1.3	3
59	Fate of Side-Branch Jailing and a Malapposed Platinum Marker After Resorption of an Everolimus-Eluting Bioresorbable Vascular Scaffold. JACC: Cardiovascular Interventions, 2015, 8, e53-e54.	1.1	2
60	Quantification of fibrous cap thickness in intracoronary optical coherence tomography with a contour segmentation method based on dynamic programming. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1383-1394.	1.7	25
61	Vulnerable plaque imaging: updates on new pathobiological mechanisms. European Heart Journal, 2015, 36, 3147-3154.	1.0	74
62	Angiographic and Optical Coherence Tomography Insights Into Bioresorbable Scaffold Thrombosis. Circulation: Cardiovascular Interventions, 2015, 8, .	1.4	90
63	OCT demonstrating neoatherosclerosis as part of the continuous process of coronary artery disease. Herz, 2015, 40, 845-854.	0.4	15
64	Multimodality Intra-Arterial Imaging Assessment of the Vascular Trauma Induced by Balloon-Based and Nonballoon-Based Renal Denervation Systems. Circulation: Cardiovascular Interventions, 2015, 8, e002474.	1.4	19
65	A novel method to assess coronary artery bifurcations by OCT: cut-plane analysis for side-branch ostial assessment from a main-vessel pullback. European Heart Journal Cardiovascular Imaging, 2015, 16, 177-189.	0.5	44
66	Use of intracoronary imaging in ST Elevation Myocardial Infarction with coronary artery aneurysm and very late stent thrombosis. International Journal of Cardiology, 2015, 197, 296-299.	0.8	3
67	An Unusual Complication After Bioresorbable Scaffold Implantation. JACC: Cardiovascular Interventions, 2015, 8, e143-e145.	1.1	0
68	Is it safe to implant bioresorbable scaffolds in ostial side-branch lesions? Impact of "neo-carina"™ formation on main-branch flow pattern. Longitudinal clinical observations. Atherosclerosis, 2015, 238, 22-25.	0.4	11
69	Rapid exchange ultra-thin microcatheter using fibre-optic sensing technology for measurement of intracoronary fractional flow reserve. EuroIntervention, 2015, 11, 428-432.	1.4	27
70	Incidence and potential mechanism of resolved, persistent and newly acquired malapposition three days after implantation of self-expanding or balloon-expandable stents in a STEMI population: insights from optical coherence tomography in the APPOSITION II study. EuroIntervention, 2015, 11, 885-894.	1.4	14
71	Early and late optical coherence tomography findings following everolimus-eluting bioresorbable vascular scaffold implantation in myocardial infarction: a preliminary report. Hellenic Journal of Cardiology, 2015, 56, 125-35.	0.4	5
72	Standing on Solid Ground?. Circulation: Cardiovascular Interventions, 2014, 7, 6-8.	1.4	3

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73	Very late bioresorbable scaffold thrombosis after discontinuation of dual antiplatelet therapy. <i>European Heart Journal</i> , 2014, 35, 1781-1781.	1.0	25
74	The Authorsâ€™ reply. <i>Heart</i> , 2014, 100, e1-e1.	1.2	1
75	Insights from a thermography-based method suggesting higher carotid inflammation in patients with diabetes mellitus and coronary artery disease. <i>Diabetes and Metabolism</i> , 2014, 40, 431-438.	1.4	11
76	OCT Assessment of the Long-Term Vascular Healing Response 5 Years After Everolimus-Eluting Bioresorbable Vascular Scaffold. <i>Journal of the American College of Cardiology</i> , 2014, 64, 2343-2356.	1.2	101
77	Predictors for permanent pacemaker implantation after core valve implantation in patients without preexisting ECG conduction disturbances: The role of a new echocardiographic index. <i>International Journal of Cardiology</i> , 2014, 172, 601-603.	0.8	33
78	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
79	Everolimus-eluting bioresorbable vascular scaffolds for treatment of patients presenting with ST-segment elevation myocardial infarction: BVS STEMI first study. <i>European Heart Journal</i> , 2014, 35, 777-786.	1.0	108
80	TCT-616 Attenuation Analysis Of The "Sealing Effect" And Plaque Morphology 5 Years After Implantation Of The Everolimus-Eluting Bioresorbable Vascular Scaffold. An Optical Coherence Tomography Study. <i>Journal of the American College of Cardiology</i> , 2014, 64, B180.	1.2	0
81	Carotid plaque typisation: a novel risk marker?. <i>Heart</i> , 2014, 100, 79.2-80.	1.2	0
82	TCT-386 Cut-plane Analysis: A new method of three-dimensional OCT rendering for side-branch ostial assessment from a main vessel pullback. <i>Journal of the American College of Cardiology</i> , 2014, 64, B113.	1.2	0
83	The impact of Fourier-Domain optical coherence tomography catheter induced motion artefacts on quantitative measurements of a PLLA-based bioresorbable scaffold. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 1013-1026.	0.7	17
84	Semi-automated Quantification of Fibrous Cap Thickness in Intracoronary Optical Coherence Tomography. <i>Lecture Notes in Computer Science</i> , 2014, , 78-89.	1.0	6
85	Impact of metabolic syndrome on clinical outcomes after new generation drug-eluting stent implantation: The "obesity paradox" phenomenon is still apparent. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013, 23, 307-313.	1.1	14
86	Chemical denervation of the renal artery by vincristine in swine. A new catheter based technique. <i>International Journal of Cardiology</i> , 2013, 167, 421-425.	0.8	32
87	Bioresorbable scaffold in myocardial infarction: Has the time come?. <i>International Journal of Cardiology</i> , 2013, 167, e17-e19.	0.8	0
88	Association of neointimal morphology by optical coherence tomography with rupture of neoatherosclerotic plaque very late after coronary stent implantation.. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
89	In-stent neoatherosclerosis: are first generation drug eluting stents different than bare metal stents? An optical coherence tomography study. , 2013, , .		0
90	Myocardial ischaemia without obstructive coronary artery disease in rheumatoid arthritis: hypothesis-generating insights from a cross-sectional study. <i>Rheumatology</i> , 2013, 52, 76-80.	0.9	33

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91	Optical coherence tomography for evaluation of coronary stents<i>in vivo</i>. Expert Review of Cardiovascular Therapy, 2013, 11, 577-588.	0.6	14
92	Inflammatory Mechanisms of Adverse Reactions to BMS. Current Vascular Pharmacology, 2013, 11, 379-391.	0.8	9
93	Five-Year Optical Coherence Tomography Follow-Up of an Everolimus-Eluting Bioresorbable Vascular Scaffold. Circulation, 2012, 126, e89-91.	1.6	19
94	In vivo measurement of plaque neovascularisation and thermal heterogeneity in intermediate lesions of human carotid arteries. Heart, 2012, 98, 1716-1721.	1.2	20
95	Online 3-Dimensional Rendering of Optical Coherence Tomography Images for the Assessment of Bifurcation Intervention. Canadian Journal of Cardiology, 2012, 28, 759.e1-759.e3.	0.8	6
96	Prognostic models for cardiovascular events after successful primary percutaneous coronary intervention. International Journal of Cardiology, 2012, 158, 168-170.	0.8	3
97	Vulnerable Atherosclerotic Plaque: From the Basic Research Laboratory to the Clinic. Cardiology, 2012, 123, 248-253.	0.6	12
98	TCT-528 Clinical Syntax Score And Long-Term Outcome After Successful Primary PCI. Journal of the American College of Cardiology, 2012, 60, B153.	1.2	0
99	A Honeycomb-Like Structure in the Left Anterior Descending Coronary Artery. JACC: Cardiovascular Interventions, 2012, 5, 688-689.	1.1	35
100	In-Stent Neoatherosclerosis. JACC: Cardiovascular Interventions, 2012, 5, 799-800.	1.1	8
101	Calcified Nodules. JACC: Cardiovascular Imaging, 2012, 5, 1071-1072.	2.3	26
102	Optical Coherence Tomography: Potential Clinical Applications. Current Cardiovascular Imaging Reports, 2012, 5, 206-220.	0.4	36
103	Optical coherence tomography assessment of the spatial distribution of culprit ruptured plaques and thin-cap fibroatheromas in acute coronary syndrome. EuroIntervention, 2012, 8, 477-485.	1.4	33
104	Carina shift as a mechanism for side-branch compromise following main vessel intervention: insights from three-dimensional optical coherence tomography. Cardiovascular Diagnosis and Therapy, 2012, 2, 173-7.	0.7	5
105	Pitfalls of angiography in the assessment of atherosclerosis: the role of optical coherence tomography. Journal of Invasive Cardiology, 2012, 24, 246-7.	0.4	3
106	Myocardial infarction caused by ostial right coronary artery thrombus in the absence of atheromatosis. Journal of Invasive Cardiology, 2012, 24, E188-9.	0.4	0
107	New insights by optical coherence tomography into the differences and similarities of culprit ruptured plaque morphology in non-â€œST-elevation myocardial infarction and ST-elevation myocardial infarction. American Heart Journal, 2011, 161, 1192-1199.	1.2	59
108	Optimal branch selection in alcohol septal ablation. International Journal of Cardiology, 2011, 147, 143-144.	0.8	2

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109	Simultaneous occlusion of two coronary arteries in a patient with acute myocardial infarction. <i>International Journal of Cardiology</i> , 2011, 152, e29-e30.	0.8	6
110	Differences in Drug-Eluting Stents Used in Coronary Artery Disease. <i>American Journal of the Medical Sciences</i> , 2011, 342, 402-408.	0.4	2
111	Morphological Characteristics of Culprit Atheromatic Plaque Are Associated With Coronary Flow After Thrombolytic Therapy. <i>JACC: Cardiovascular Interventions</i> , 2010, 3, 507-514.	1.1	29
112	Multiple plaque morphologies assessed by optical coherence tomography in a patient with acute coronary syndrome. <i>Heart</i> , 2010, 96, 1335-1336.	1.2	7
113	Percutaneous Coronary Intervention in Chronic Stable Angina. <i>American Journal of the Medical Sciences</i> , 2010, 339, 568-572.	0.4	1
114	Prognostic clinical and angiographic characteristics for the development of a new significant lesion in remote segments after successful percutaneous coronary intervention. <i>International Journal of Cardiology</i> , 2010, 143, 29-34.	0.8	16
115	Research Utility of Optical Coherence Tomography (OCT). <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 0, , 220-238.	0.2	0