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#	Paper	IF	Citations
1882	Data reconciliation of immersive heart inspection.		
1881	QUASI-INVARIANCE AND DIFFERENTIABILITY OF MEASURES. <b>1978</b> , 33, 159-159		1
1880	Laser beam formation for intracavity processing of objects. <b>1986</b> , 16, 1380-1384		3
1879	Ecocardiografã Doppler en la cardiopatã isquẽmica. <b>2001</b> , 13, 271-281		
1878	An intravascular ultrasound classification of angiographic coronary artery aneurysms. <b>2001</b> , 88, 365-70		76
1877	Intra-amniotic ultrasound. <b>2001</b> , 18, 681-2		1
1876	Non-invasive investigations. <b>2001</b> , 59, 29-44		2
1875	Relationship of clinical presentation and calcification of culprit coronary artery stenoses. <b>2001</b> , 21, 1618-22		175
1874	Incidence, morphology, angiographic findings, and outcomes of intramural hematomas after percutaneous coronary interventions: an intravascular ultrasound study. <b>2002</b> , 105, 2037-42		75
1873	Understanding coronary artery disease: tomographic imaging with intravascular ultrasound. <b>2002</b> , 88, 91-6		45
1872	How big is small?. <b>2002</b> , 23, 198-9		1
1871	Understanding the pathophysiology of the arterial wall: which method should we choose? Intra-vascular ultrasound. <b>2002</b> , 4, F29-F40		1
1870	Multiple atherosclerotic plaque rupture in acute coronary syndrome: a three-vessel intravascular ultrasound study. <b>2002</b> , 106, 804-8		565
1869	Myocardial ischemic-fibrotic injury after human heart transplantation is associated with increased progression of vasculopathy, decreased cellular rejection and poor long-term outcome. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 970-7	15.1	54
1868	Dose heterogeneity may not affect the neointimal proliferation after gamma radiation for in-stent restenosis: a volumetric intravascular ultrasound dosimetric study. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 1937-42	15.1	8
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1866	Computerized scoring of histopathology for predicting coronary vasculopathy, validated by intravascular ultrasound. <b>2002</b> , 21, 850-9		18

1865	Analysis of stent edge restenosis with different forms of brachytherapy. <b>2002</b> , 89, 322-5		5
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1862	Application of intravascular ultrasound to characterize coronary artery disease and assess the progression or regression of atherosclerosis. <b>2002</b> , 89, 24B-31B		93
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1860	Comparison of native coronary artery in-stent recurrence rates with longer versus shorter narrowings. <b>2002</b> , 90, 422-5		
1859	Remodeling pattern within diseased coronary segments as evidenced by intravascular ultrasound. <b>2002</b> , 90, 636-8		5
1858	Efficacy and feasibility of helixcision for debulking neointimal hyperplasia for in-stent restenosis. <i>Catheterization and Cardiovascular Interventions</i> , <b>2002</b> , 57, 460-6	2.7	2
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1856	Intravascular ultrasound elastography: an overview. <b>2002</b> , 40, 859-65		101
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1840	Multiple versus single coronary plaque ruptures detected by intravascular ultrasound in stable and unstable angina pectoris and in acute myocardial infarction. <b>2003</b> , 91, 1333-5	32
1839	Determinants of angiographically silent stenoses in patients with coronary artery disease. <b>2003</b> , 91, 1335-8	4
1838	Impact of moderate lesion calcium on mechanisms of coronary stenting as assessed with three-dimensional intravascular ultrasound in vivo. <b>2003</b> , 92, 5-10	20
1837	Preintervention arterial remodeling affects vessel stretch and plaque extrusion during coronary stent deployment as demonstrated by three-dimensional intravascular ultrasound. <b>2003</b> , 92, 130-5	16
1836	Volumetric intravascular ultrasound evidence that distal embolization during acute infarct intervention contributes to inadequate myocardial perfusion grade. <b>2003</b> , 92, 728-32	39
1835	Reproducibility of coronary lumen, plaque, and vessel wall reconstruction and of endothelial shear stress measurements in vivo in humans. <i>Catheterization and Cardiovascular Interventions</i> , <b>2003</b> , 60, 67-78 <sup>2-7</sup>	64
1834	Impact of the acute results on the long-term outcome after the treatment of in-stent restenosis: a serial intravascular ultrasound study. <i>Catheterization and Cardiovascular Interventions</i> , <b>2003</b> , 60, 483-8 <sup>2-7</sup>	4
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1827	ACC/AHA clinical competence statement on echocardiography: a report of the American College of Cardiology/American Heart Association/American College of Physicians-American Society of Internal Medicine Task Force on Clinical Competence. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 41, 687-708	15.1	167
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1791	Regression of coronary atherosclerosis by simvastatin: a serial intravascular ultrasound study. <b>2004</b> , 110, 265-70	154
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1787	Correlations between fractional flow reserve and intravascular ultrasound in patients with an ambiguous left main coronary artery stenosis. <b>2004</b> , 110, 2831-6	292
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1590	Contour Extraction from IVUS Images Based on GVF Snakes and Wavelet Transform. <b>2007</b> ,		
1589	Late incomplete apposition after drug-eluting stent implantation: incidence and potential for adverse clinical outcomes. <b>2007</b> , 28, 1304-9		101
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1580	ACCF/AHA/SCAI 2007 update of the clinical competence statement on cardiac interventional procedures: a report of the American College of Cardiology Foundation/American Heart Association/American College of Physicians Task Force on Clinical Competence and Training (writing Committee to Update the 1998 Clinical Competence Statement on Recommendations for	15.1	59
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1565	A novel active contour model for fully automated segmentation of intravascular ultrasound images: in vivo validation in human coronary arteries. <b>2007</b> , 37, 1292-302		50
1564	Angiographic no-reflow phenomenon and plaque characteristics by virtual histology intravascular ultrasound in patients with acute myocardial infarction. <b>2007</b> , 20, 335-9		34
1563	Accuracy of electrocardiographic-gated versus nongated volumetric intravascular ultrasound measurements of coronary arterial narrowing. <b>2007</b> , 99, 279-83		6
1562	Serial intravascular ultrasonic study of outcomes of coronary culprit lesions with plaque rupture following bare metal stent implantation in patients with angina pectoris. <b>2007</b> , 99, 1394-8		2
1561	Changes in coronary anatomy and physiology after heart transplantation. <b>2007</b> , 99, 1603-7		40
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1559	Intravascular ultrasonic study of gender differences in ruptured coronary plaque morphology and its associated clinical presentation. <b>2007</b> , 100, 185-9		18
1558	Comparison of virtual histology to intravascular ultrasound of culprit coronary lesions in acute coronary syndrome and target coronary lesions in stable angina pectoris. <b>2007</b> , 100, 953-9		95
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1546	Comparison of intravascular ultrasonic imaging with versus without incomplete stent apposition at follow-up after drug-eluting stent implantation. <b>2008</b> , 24, 133-9		2
1545	Quantification of atherosclerotic coronary plaque components by submillimeter computed tomography. <b>2008</b> , 24, 301-10		19
1544	Angiographically uncertain left main coronary artery narrowings: correlation with multidetector computed tomography and intravascular ultrasound. <b>2008</b> , 24, 557-63		23
1543	Coronary plaque composition as assessed by greyscale intravascular ultrasound and radiofrequency spectral data analysis. <b>2008</b> , 24, 811-8		14
1542	Strategies to reverse atherosclerosis: an imaging perspective. <b>2008</b> , 10, 283-93		10

1541	Impact of atherosclerotic plaque composition on coronary microembolization during percutaneous coronary interventions. <b>2008</b> , 103, 587-97			77
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1538	Aqueous extract of rhubarb stabilizes vulnerable atherosclerotic plaques due to depression of inflammation and lipid accumulation. <b>2008</b> , 22, 935-42			25
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1534	Development of integrated backscatter intravascular ultrasound for tissue characterization of coronary plaques. <b>2008</b> , 34, 655-63			84
1533	Image analysis techniques for automated IVUS contour detection. <b>2008</b> , 34, 1482-98			55
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1531	Estimation of the transverse strain tensor in the arterial wall using IVUS image registration. <b>2008</b> , 34, 1832-45			29
1530	Changes in unstable coronary atherosclerotic plaque composition after balloon angioplasty as determined by analysis of intravascular ultrasound radiofrequency. <b>2008</b> , 101, 173-8			7
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1528	Safety and feasibility of an intravascular optical coherence tomography image wire system in the clinical setting. <b>2008</b> , 101, 562-7			129
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1526	Comparison of intravascular ultrasound and angiographic assessment of coronary reference segment size in patients with type 2 diabetes mellitus. <b>2008</b> , 101, 590-5			24
1525	Impact of intramural thrombus in coronary arteries on the accuracy of tissue characterization by in vivo intravascular ultrasound radiofrequency data analysis. <b>2008</b> , 101, 1079-83			46
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1523	The virtual histology intravascular ultrasound appearance of newly placed drug-eluting stents. <b>2008</b> , 102, 1182-6		18
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1518	Plaque in superficial femoral arteries indicates generalized atherosclerosis and vulnerability to coronary death: an autopsy study. <b>2008</b> , 47, 296-302		63
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1512	Cardiologists: do we have the right to call ourselves physiologists?. <b>2008</b> , 1, 12-4		2
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1510	Plaque prolapse after stent implantation in patients with acute myocardial infarction: an intravascular ultrasound analysis. <b>2008</b> , 1, 489-97		39
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1508	Compositional analysis of angioscopic yellow plaques with intravascular ultrasound radiofrequency data. <i>International Journal of Cardiology</i> , <b>2008</b> , 125, 74-8	3.2	16
1507	Online PC-based integration of digital intracoronary ultrasound images into angiographic images during cardiac catheterization. <i>International Journal of Cardiology</i> , <b>2008</b> , 128, 289-93	3.2	2
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1504	Relationship between coronary remodeling and plaque characterization in patients without clinical evidence of coronary artery disease. <i>Atherosclerosis</i> , <b>2008</b> , 197, 799-805	3.1	31
1503	Comparison of vessel geometry in bifurcation between normal and diseased segments: intravascular ultrasound analysis. <i>Atherosclerosis</i> , <b>2008</b> , 201, 326-31	3.1	14
1502	Arterial calcification increases in distal arteries in patients with peripheral arterial disease. <b>2008</b> , 22, 799-805		41
1501	Les calcifications artérielles sont plus fréquentes au niveau des artères distales chez les malades ayant une artériopathie oblitérante des membres inférieurs. <b>2008</b> , 22, 871-878		
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1490	Comparison of an everolimus-eluting stent and a paclitaxel-eluting stent in patients with coronary artery disease: a randomized trial. <b>2008</b> , 299, 1903-13		477
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1433	Current status of vulnerable plaque detection. <i>Catheterization and Cardiovascular Interventions</i> , <b>2010</b> , 75, 135-44	2.7	32
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1427	Correlation between quantitative angiographic and intravascular ultrasound parameters in patients treated with sirolimus analogues-eluting stents. <b>2009</b> , 25, 345-51		
1426	Type 2 diabetes is associated with more advanced coronary atherosclerosis on multislice computed tomography and virtual histology intravascular ultrasound. <b>2009</b> , 16, 376-83		28
1425	Grayscale intravascular ultrasound: Current concepts in percutaneous coronary interventions. <b>2009</b> , 2, 259-267		
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1416	Intravascular ultrasound comparison of the retrograde versus antegrade approach to percutaneous intervention for chronic total coronary occlusions. <i>JACC: Cardiovascular Interventions</i> , <b>2009</b> , 2, 846-54	5	49

1415	Clinical and angiographic results with the next-generation resolute stent system: a prospective, multicenter, first-in-human trial. <i>JACC: Cardiovascular Interventions</i> , <b>2009</b> , 2, 977-85	5	113
1414	ACCF/AHA/SCAI 2007 update of the clinical competence statement on cardiac interventional procedures a report of the American College of Cardiology Foundation/American Heart Association/American College of Physicians task Force on Clinical Competence and Training (writing committee to update the 1998 clinical competence statement on recommendations for	2.7	
1413	Plaque characteristics of the coronary segment proximal to the culprit lesion in stable and unstable patients. <b>2009</b> , 32, E9-12 <i>Cardiovascular Interventions</i> , <b>2009</b> , NA-NA		20
1412	Randomized comparison of the Nobori Biolimus A9-eluting coronary stent with the Taxus Libert <sup>®</sup> paclitaxel-eluting coronary stent in patients with stenosis in native coronary arteries: the NOBORI 1 trial--Phase 2. <b>2009</b> , 2, 188-95		125
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1407	Prophylaxis versus preemptive anti-cytomegalovirus approach for prevention of allograft vasculopathy in heart transplant recipients. <b>2009</b> , 28, 461-7		71
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1404	Photoacoustic imaging of coronary artery stents. <b>2009</b> , 17, 19894-901		42
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1399	Impact of plaque composition on cardiac troponin elevation after percutaneous coronary intervention: an ultrasound analysis. <b>2009</b> , 2, 458-68		68
1398	Intravascular ultrasound for the evaluation of coronary artery disease after heart transplantation in children. <b>2009</b> , 19, S48-S50		



1397	Quantitative ex vivo and in vivo comparison of lumen dimensions measured by optical coherence tomography and intravascular ultrasound in human coronary arteries. <b>2009</b> , 62, 615-24		28
1396	Enhanced x-ray visualization of coronary stents: clinical aspects. <b>2009</b> , 27, 467-75		8
1395	Repeated plaque prolapse after sirolimus-eluting stent implantation in the treatment of chronic total occlusion lesion. <b>2009</b> , 11, 247-9		0
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1393	Surrogate markers in clinical trials--challenges and opportunities. <i>Atherosclerosis</i> , <b>2009</b> , 206, 8-16	3.1	42
1392	Compliance mismatch between stenotic and distal reference segment is associated with coronary artery disease instability. <i>Atherosclerosis</i> , <b>2009</b> , 206, 179-85	3.1	8
1391	Assessment of nonstenotic coronary lesions by 64-slice multidetector computed tomography in comparison to intravascular ultrasound: evaluation of nonculprit coronary lesions. <b>2009</b> , 3, 24-31		71
1390	Methods of plaque quantification and characterization by cardiac computed tomography. <b>2009</b> , 3 Suppl 2, S91-8		12
1389	Cardiovascular infection and inflammation. <b>2009</b> , 39, 103-14		25
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1387	Comparaci3n cuantitativa ex vivo e in vivo de las dimensiones del lumen medidas por tomografã de coherencia 3ptica y ecografã intravascular en arterias coronarias humanas. <b>2009</b> , 62, 615-624		72
1386	Intravascular ultrasound registration/integration with coronary angiography. <b>2009</b> , 27, 531-40		8
1385	Flat panel volume computed tomography of the coronary arteries. <b>2009</b> , 16, 1251-62		3
1384	Relation between N-terminal pro-B-type natriuretic peptide and coronary plaque components in patients with acute coronary syndrome: virtual histology-intravascular ultrasound analysis. <i>Coronary Artery Disease</i> , <b>2009</b> , 20, 518-24	1.4	5
1383	Ruptured plaque is associated with larger infarct size following successful percutaneous coronary intervention in ST segment elevation acute myocardial infarction. <i>Coronary Artery Disease</i> , <b>2009</b> , 20, 260-64	1.4	14
1382	Coronary plaque dimensions and composition by intravascular ultrasound radio frequency lesion segment analysis in stable and unstable angina patients. <i>Coronary Artery Disease</i> , <b>2009</b> , 20, 309-16	1.4	1
1381	Coronary calcium significantly affects quantitative analysis of coronary ultrasound: importance for atherosclerosis progression/regression studies. <i>Coronary Artery Disease</i> , <b>2009</b> , 20, 409-14	1.4	22
1380	High-sensitivity C-reactive protein and plaque composition in patients with stable angina pectoris: a virtual histology intravascular ultrasound study. <i>Coronary Artery Disease</i> , <b>2009</b> , 20, 531-5	1.4	21



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1377	Relationship between coronary arterial remodeling, fibrous cap thickness and high-sensitivity C-reactive protein levels in patients with acute coronary syndrome. <b>2009</b> , 73, 1291-5	46
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1367	Intravascular ultrasound guidance for percutaneous coronary intervention in the current practice era. <b>2010</b> , 2, 719-733	1
1366	Plaque location in the left anterior descending coronary artery and tissue characteristics in angina pectoris: an integrated backscatter intravascular ultrasound study. <b>2010</b> , 74, 142-7	9
1365	Relationship between multiple plasma biomarkers and vulnerable plaque determined by virtual histology intravascular ultrasound. <b>2010</b> , 74, 332-6	21
1364	Relation between plaque components and plaque prolapse after drug-eluting stent implantation--virtual histology-intravascular ultrasound. <b>2010</b> , 74, 1142-51	5
1363	Low-density lipoprotein-cholesterol/high-density lipoprotein-cholesterol ratio predicts lipid-rich coronary plaque in patients with coronary artery disease--integrated-backscatter intravascular ultrasound study. <b>2010</b> , 74, 1392-8	37
1362	Target lesion thin-cap fibroatheroma defined by virtual histology intravascular ultrasound affects microvascular injury during percutaneous coronary intervention in patients with angina pectoris. <b>2010</b> , 74, 1658-62	15

1361	Clinical predictors of culprit plaque rupture assessed on intravascular ultrasound in acute coronary syndrome. <b>2010</b> , 74, 1936-42		16
1360	Tissue characterization of coronary plaques and assessment of thickness of fibrous cap using integrated backscatter intravascular ultrasound. Comparison with histology and optical coherence tomography. <b>2010</b> , 74, 2641-8		29
1359	Coronary plaque analysis using VH-IVUS technology: plaque compositions and coronary risk factors including polyunsaturated fatty acids. <b>2010</b> , 37, 447-453		1
1358	TWENTE Study: The Real-World Endeavor Resolute Versus Xience V Drug-Eluting Stent Study in Twente: study design, rationale and objectives. <b>2010</b> , 18, 360-4		13
1357	Takotsubo cardiomyopathy is not due to plaque rupture: an intravascular ultrasound study. <b>2010</b> , 33, 307-10		52
1356	Glycaemic status influences the nature and severity of coronary artery disease. <b>2010</b> , 53, 652-8		27
1355	Ubiquitous atherosclerosis in coronary arteries without angiographically significant stenosis. <i>Heart and Vessels</i> , <b>2010</b> , 25, 35-40	2.1	8
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1352	The effect of lipid and inflammatory profiles on the morphological changes of lipid-rich plaques in patients with non-ST-segment elevated acute coronary syndrome: follow-up study by optical coherence tomography and intravascular ultrasound. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 766-72	5	46
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1350	Intracoronary Ultrasound in Assessing Efficacy of Cardiovascular Drugs. <b>2010</b> , 3, 190-196		
1349	Lessons from coronary intravascular ultrasound on the importance of raising high-density lipoprotein cholesterol. <b>2010</b> , 12, 301-7		8
1348	Relation of plaque size to compositions as determined by an in vivo volumetric intravascular ultrasound radiofrequency analysis. <b>2010</b> , 26, 165-71		3
1347	3D fusion of intravascular ultrasound and coronary computed tomography for in-vivo wall shear stress analysis: a feasibility study. <b>2010</b> , 26, 781-96		61
1346	How reliable are 40 MHz IVUS and 64-slice MDCT in characterizing coronary plaque composition? An ex vivo study with histopathological comparison. <b>2010</b> , 26, 373-83		22
1345	Impact of analyzing less image frames per segment for radiofrequency-based volumetric intravascular ultrasound measurements in mild-to-moderate coronary atherosclerosis. <b>2010</b> , 26, 487-97		5
1344	Age-related differences in virtual histology-intravascular ultrasound findings in patients with coronary artery disease. <i>Journal of Cardiology</i> , <b>2010</b> , 55, 224-31	3	5

1343	Differences in intravascular ultrasound findings in culprit lesions in infarct-related arteries between ST segment elevation myocardial infarction and non-ST segment elevation myocardial infarction. <i>Journal of Cardiology</i> , <b>2010</b> , 56, 15-22	3	32
1342	Gender differences in coronary plaque components in patients with acute coronary syndrome: virtual histology-intravascular ultrasound analysis. <i>Journal of Cardiology</i> , <b>2010</b> , 56, 211-9	3	8
1341	Virtual histology intravascular ultrasound analysis of non-culprit attenuated plaques detected by grayscale intravascular ultrasound in patients with acute coronary syndromes. <b>2010</b> , 105, 48-53		66
1340	Outcome of undersized drug-eluting stents for percutaneous coronary intervention of saphenous vein graft lesions. <b>2010</b> , 105, 179-85		47
1339	Assessment with multi-slice computed tomography and gray-scale and virtual histology intravascular ultrasound of gender-specific differences in extent and composition of coronary atherosclerotic plaques in relation to age. <b>2010</b> , 105, 480-6		24
1338	Is accurate intravascular ultrasound evaluation of the left circumflex ostium from a left anterior descending to left main pullback possible?. <b>2010</b> , 105, 948-54		25
1337	Effect of renal function on ultrasonic coronary plaque characteristics in patients with acute myocardial infarction. <b>2010</b> , 105, 936-42		8
1336	Intravascular ultrasound assessment of cobalt chromium versus stainless steel drug-eluting stent expansion. <b>2010</b> , 105, 1272-5		27
1335	Relation of microchannel structure identified by optical coherence tomography to plaque vulnerability in patients with coronary artery disease. <b>2010</b> , 105, 1673-8		119
1334	Relation between aortic knob calcium observed by simple chest x-ray or fluoroscopy and plaque components in patients with diabetes mellitus. <b>2010</b> , 106, 38-43		2
1333	Intravascular ultrasound findings of stent fractures in patients with Sirolimus- and Paclitaxel-eluting stents. <b>2010</b> , 106, 952-7		8
1332	Meta-analysis of incidence, clinical characteristics and implications of stent fracture. <b>2010</b> , 106, 1075-80		85
1331	A state of the art review on intima-media thickness (IMT) measurement and wall segmentation techniques for carotid ultrasound. <i>Computer Methods and Programs in Biomedicine</i> , <b>2010</b> , 100, 201-21	6.9	160
1330	Systemic markers of inflammation are associated with cardiac allograft vasculopathy and an increased intimal inflammatory component. <b>2010</b> , 10, 1428-36		20
1329	Coronary flow reserve by transthoracic echocardiography predicts epicardial intimal thickening in cardiac allograft vasculopathy. <b>2010</b> , 10, 1668-76		36
1328	A novel three-dimensional quantitative coronary angiography system: In-vivo comparison with intravascular ultrasound for assessing arterial segment length. <i>Catheterization and Cardiovascular Interventions</i> , <b>2010</b> , 76, 291-8	2.7	35
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1326	Transplant coronary artery disease. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 367-77	5	47

1325	Acute coronary syndrome with clear coronary artery: the case for concealed coronary hematoma. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 1204-5	5	2
1324	Automatic segmentation of calcifications in intravascular ultrasound images using snakes and the contourlet transform. <b>2010</b> , 36, 111-29		30
1323	Haemin-enhanced expression of haem oxygenase-1 stabilizes erythrocyte-induced vulnerable atherosclerotic plaques. <b>2010</b> , 160, 1484-95		11
1322	Serial intravascular ultrasound analysis of the impact of myocardial bridge on neointimal proliferation after coronary stenting in patients with acute myocardial infarction. <b>2010</b> , 23, 114-22		9
1321	An intravascular ultrasound analysis in women experiencing chest pain in the absence of obstructive coronary artery disease: a substudy from the National Heart, Lung and Blood Institute-Sponsored Women's Ischemia Syndrome Evaluation (WISE). <b>2010</b> , 23, 511-9		117
1320	A new approach for improving coronary plaque component analysis based on intravascular ultrasound images. <b>2010</b> , 36, 1245-58		30
1319	Predictors of restenosis after percutaneous coronary intervention using bare-metal stents: a comparison between patients with and without dysglycemia. <b>2010</b> , 43, 572-9		7
1318	A case of intra- and extra-mural hematomas during recanalization for chronic total occlusion. <b>2010</b> , 40, 596-600		1
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1315	Natural history of experimental coronary atherosclerosis and vascular remodeling in relation to endothelial shear stress: a serial, in vivo intravascular ultrasound study. <b>2010</b> , 121, 2092-101		140
1314	Diabetes mellitus is associated with plaque classified as thin cap fibroatheroma: an intravascular ultrasound study. <b>2010</b> , 7, 14-9		16
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1308	Unreliable assessment of necrotic core by virtual histology intravascular ultrasound in porcine coronary artery disease. <b>2010</b> , 3, 384-91		172

1307	Quantification of non-calcified coronary atherosclerotic plaques with dual-source computed tomography: comparison with intravascular ultrasound. <b>2010</b> , 96, 610-5	48
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1304	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. <b>2010</b> , 31, 401-15	642
1303	Six-month results of the NEVO Res-Elution I (NEVO RES-I) trial: a randomized, multicenter comparison of the NEVO sirolimus-eluting coronary stent with the TAXUS Libert <sup>®</sup> paclitaxel-eluting stent in de novo native coronary artery lesions. <b>2010</b> , 3, 556-64	46
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1299	Do systemic risk factors impact invasive findings from virtual histology? Insights from the international virtual histology registry. <b>2010</b> , 31, 196-202	30
1298	Imaging of coronary atherosclerosis: intravascular ultrasound. <b>2010</b> , 31, 2456-69	153
1297	Genetic determinants of adverse outcome (restenosis, malapposition and thrombosis) after stent implantation. <b>2010</b> , 2, 147-157	3
1296	Automated three-dimensional quantification of noncalcified coronary plaque from coronary CT angiography: comparison with intravascular US. <b>2010</b> , 257, 516-22	138
1295	A DEFORMABLE TEMPLATE MODEL WITH FEATURE TRACKING FOR AUTOMATED IVUS SEGMENTATION. <b>2010</b> ,	
1294	Rationale and approach to evaluation of the impact of medical therapies on progression of atherosclerosis with arterial wall imaging. <b>2010</b> , 26, 737-44	1
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1292	The dynamic nature of coronary artery lesion morphology assessed by serial virtual histology intravascular ultrasound tissue characterization. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 55, 1590-7	15.1 228
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1290	The association between plaque characterization by CT angiography and post-procedural myocardial infarction in patients with elective stent implantation. <b>2010</b> , 3, 19-28	51

1289	Atherosclerotic plaque composition assessed by virtual histology intravascular ultrasound and cerebral embolization after carotid stenting. <b>2010</b> , 52, 1188-94		44
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1287	Plaque components at coronary sites with focal spasm in patients with variant angina: virtual histology-intravascular ultrasound analysis. <i>International Journal of Cardiology</i> , <b>2010</b> , 144, 367-72	3.2	28
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1284	Serum adipocyte fatty acid-binding protein is independently associated with coronary atherosclerotic burden measured by intravascular ultrasound. <i>Atherosclerosis</i> , <b>2010</b> , 211, 164-9	3.1	70
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1280	. <b>2010</b> ,		
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1269	Relation between hyperinsulinemia and nonculprit plaque characteristics in nondiabetic patients with acute coronary syndromes. <b>2011</b> , 4, 392-401		26
1268	Imaging of atherosclerosis. <b>2011</b> , 62, 25-40		79
1267	Ultrasound Evaluation of Carotid Intima Media Thickness: The Hows and Whys. <b>2011</b> , 6, 445-461		1
1266	Intravascular Ultrasound: Principles, Image Interpretation, and Clinical Applications. <b>2011</b> , 145-171		
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1264	Safety and efficacy of early aggressive versus cholesterol-driven lipid-lowering strategies in heart transplantation: a pilot, randomized, intravascular ultrasound study. <b>2011</b> , 30, 1305-11		15
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1261	Evolution of acute coronary syndrome with normal coronary arteries and normal cardiac magnetic resonance imaging. <b>2011</b> , 104, 509-17		32
1260	Assessment of Dynamic Coronary Plaque Changes and the Clinical Consequences in Type-II Diabetic Patients: a Serial Intracoronary Ultrasound Study. <b>2011</b> , 64, 557-563		
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1257	The role of plasma aminothiols in the prediction of coronary microvascular dysfunction and plaque vulnerability. <i>Atherosclerosis</i> , <b>2011</b> , 219, 266-72	3.1	29
1256	Detection and quantification of coronary atherosclerotic plaque by 64-slice multidetector CT: a systematic head-to-head comparison with intravascular ultrasound. <i>Atherosclerosis</i> , <b>2011</b> , 219, 163-70	3.1	58
1255	Clinically evident polyvascular disease and regression of coronary atherosclerosis after intensive statin therapy in patients with acute coronary syndrome: serial intravascular ultrasound from the Japanese assessment of pitavastatin and atorvastatin in acute coronary syndrome (JAPAN-ACS) trial. <i>Atherosclerosis</i> , <b>2011</b> , 219, 743-9	3.1	16
1254	Relationship between coronary artery calcium score by multidetector computed tomography and plaque components by virtual histology intravascular ultrasound. <b>2011</b> , 26, 1052-60		13



1253	The effects of statin and niacin on plaque stability, plaque regression, inflammation and oxidative stress in patients with mild to moderate coronary artery stenosis. <b>2011</b> , 41, 641-8		17
1252	Relation between high-sensitivity C-reactive protein and coronary plaque components in patients with acute coronary syndrome: virtual histology-intravascular ultrasound analysis. <b>2011</b> , 41, 440-6		9
1251	Evolution of ruptured and vulnerable atheromatic plaques. <b>2011</b> , 2, 156-164		
1250	Avaliaço do recolhimento elstico tardio de stents farmacolgicos de primeira e segunda geraçes. <b>2011</b> , 19, 292-297		1
1249	Comparaço randomizada entre o stent eluidor de paclitaxel de nova geraço sem polmero e o stent eluidor de paclitaxel com polmero durvel em pacientes com doenç arterial coronria: resultados da anlise angiogrfica e ultrassonogrfica seriada do estudo PAX-A. <b>2011</b> , 19, 379-391		2
1248	Analysis of Complex Coronary Plaque in Multidetector Computed Tomography: Comparison with Conventional Coronary Angiography. <b>2011</b> , 64, 309		
1247	Anlise ultrassonogrfica tardia do stent eluidor de sirolimus FirebirdTM. <b>2011</b> , 19, 286-291		1
1246	Association of lipoprotein-associated phospholipase Awith characteristics of vulnerable coronary atherosclerotic plaques. <b>2011</b> , 52, 914-22		6
1245	Virtual histology intravascular ultrasound compared with optical coherence tomography for identification of thin-cap fibroatheroma. <b>2011</b> , 52, 175-9		30
1244	Effect of atorvastatin therapy on borderline vulnerable lesions in patients with acute coronary syndrome. <b>2011</b> , 7, 433-9		12
1243	Intracoronary imaging modalities for vulnerable plaques. <b>2011</b> , 78, 340-51		13
1242	Effect of everolimus introduction on cardiac allograft vasculopathy--results of a randomized, multicenter trial. <b>2011</b> , 92, 235-43		63
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1240	Relationship between coronary artery plaque composition by virtual histology intravascular ultrasound analysis and brachial-ankle pulse wave velocity in patients with coronary artery disease. <i>Coronary Artery Disease</i> , <b>2011</b> , 22, 565-9	1.4	8
1239	Lessons learned from advanced intracoronary imaging in patients with acute myocardial infarction. <b>2011</b> , 12, 868-77		7
1238	Impact of donor-transmitted atherosclerosis on early cardiac allograft vasculopathy: new findings by three-dimensional intravascular ultrasound analysis. <b>2011</b> , 91, 1406-11		16
1237	Necrotic core and thin cap fibrous atheroma distribution in native coronary artery lesion-containing segments: a virtual histology intravascular ultrasound study. <i>Coronary Artery Disease</i> , <b>2011</b> , 22, 339-44	1.4	1
1236	The relationship between plaque imaging characterization and treatment modality selection. <b>2011</b> , 3, 597-619		

1235	Comparison of effects of rosuvastatin and atorvastatin on plaque regression in Korean patients with untreated intermediate coronary stenosis. <b>2011</b> , 75, 398-406		31
1234	The impact of plaque characterization assessed by intravascular ultrasound on myocardial perfusion after primary angioplasty in patients With ST-segment elevation myocardial infarction. <b>2011</b> , 75, 2642-7		3
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1232	Probucol attenuates inflammation and increases stability of vulnerable atherosclerotic plaques in rabbits. <b>2011</b> , 225, 23-34		20
1231	Relationship between microalbuminuria and vulnerable plaque components in patients with acute coronary syndrome and with diabetes mellitus. Virtual histology-intravascular ultrasound. <b>2011</b> , 75, 2893-901		4
1230	Phenotyping airway disease with optical coherence tomography. <b>2011</b> , 16, 34-43		15
1229	Assessment of atherosclerotic plaque burden with an elastin-specific magnetic resonance contrast agent. <b>2011</b> , 17, 383-8		147
1228	Cavity volume of ruptured plaque is an independent predictor for angiographic no-reflow phenomenon during primary angioplasty in patients with ST-segment elevation myocardial infarction. <i>Journal of Cardiology</i> , <b>2011</b> , 57, 36-43	3	9
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1224	Comparison of intravascular ultrasound, quantitative coronary angiography, and dual-source 64-slice computed tomography in the preprocedural assessment of significant saphenous vein graft lesions. <b>2011</b> , 107, 1453-9		9
1223	Positive remodeling on coronary computed tomography as a marker for plaque vulnerability on virtual histology intravascular ultrasound. <b>2011</b> , 107, 1725-9		56
1222	Effect of pioglitazone on endothelial dysfunction after sirolimus-eluting stent implantation. <b>2011</b> , 108, 214-9		11
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729	Imaging for assessment of sudden death risk: current role and future prospects. <b>2016</b> , 18, 1491-1500		6
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727	Morphological assessment of chronic total occlusions by combined coronary computed tomographic angiography and intravascular ultrasound imaging. <b>2017</b> , 18, 315-322		8
726	Invasive Assessment of Coronary Physiology Predicts Late Mortality After Heart Transplantation. <b>2016</b> , 133, 1945-50		45
725	Optical coherence tomography assessment of incidence, morphological characteristics, and spontaneous healing course of edge dissections following percutaneous coronary intervention with stent implantation in patients with non-ST segment elevation myocardial infarction. <i>International Journal of Cardiology</i> , <b>2016</b> , 223, 466-474	3.2	2
724	Plaque structural stress assessed by virtual histology-intravascular ultrasound predicts dynamic changes in phenotype and composition of untreated coronary artery lesions. <i>Atherosclerosis</i> , <b>2016</b> , 254, 85-92	3.1	4
723	A Comparison of Intravascular Imaging Modalities for Detection of Stent Struts in Acute Coronary Syndrome. <b>2016</b> , 29, 99-107		
722	Prevalence, Features, and Prognostic Importance of Edge Dissection After Drug-Eluting Stent Implantation: An ADAPT-DES Intravascular Ultrasound Substudy. <b>2016</b> , 9, e003553		39
721	Basic interpretation of intracoronary ultrasound and optical coherence tomography images: examples. <b>2016</b> , 2, 115-121		1
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704	Reduction of atherothrombotic burden before stent deployment in non-ST elevation acute coronary syndromes: Reduction of myocardial necrosis achieved with nose-dive manual thrombus aspiration (REMNANT) trial. A volumetric intravascular ultrasound study. <i>Catheterization and Cardiovascular Interventions</i> , <b>2016</b> , 88, 716-725	2.7		6
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670	Serial Intravascular Ultrasound Findings After Treatment of Chronic Total Occlusions Using Drug-Eluting Stents. <b>2016</b> , 117, 727-34		12
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652	Predictores de eventos cardiovasculares adversos mayores en la ecocardiografía intravascular tras el implante de stents liberadores de everolimus en lesiones coronarias largas. <b>2017</b> , 70, 88-95		11
651	Lipid-core burden response to stent implantation assessed with near-infrared spectroscopy and intravascular ultrasound evaluation in patients with myocardial infarction. <b>2017</b> , 18, 182-189		4
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636	Invasive characterization of atherosclerotic plaque in patients with peripheral arterial disease using near-infrared spectroscopy intravascular ultrasound. <i>Catheterization and Cardiovascular Interventions</i> , <b>2017</b> , 90, 461-470	2.7	8
635	Evaluation of Plaque Morphology by 64-Slice Coronary Computed Tomographic Angiography Compared to Intravascular Ultrasound in Nonocclusive Segments of Coronary Arteries. <b>2017</b> , 24, 968-974		5
634	Final shape of biovascular scaffolds and clinical outcome. Results from a multicenter all-comers study with intravascular imaging. <i>International Journal of Cardiology</i> , <b>2017</b> , 228, 209-213	3.2	1
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630	CT Attenuation of Pericoronary Adipose Tissue in Normal Versus Atherosclerotic Coronary Segments as Defined by Intravascular Ultrasound. <b>2017</b> , 41, 762-767		33
629	Multimodality Intracoronary Imaging With Near-Infrared Spectroscopy and Intravascular Ultrasound in Asymptomatic Individuals With High Calcium Scores. <b>2017</b> , 10,		10
628	Visualization of plaque distribution in a curved artery: three-dimensional intravascular ultrasound imaging. <b>2017</b> , 22, 120-126		1
627	Intravascular imaging of coronary artery disease: recent progress and future directions. <b>2017</b> , 18, 733-741		9
626	Serial 3-Vessel Optical Coherence Tomography and Intravascular Ultrasound Analysis of Changing Morphologies Associated With Lesion Progression in Patients With Stable Angina Pectoris. <b>2017</b> , 10,		21
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618	Intravascular imaging for characterization of coronary atherosclerosis. <b>2017</b> , 3, 1-12		20
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616	Diagnostic accuracy of intraluminal blood speckle intensity on intravascular ultrasound for physiological assessment of coronary artery stenosis. <i>Coronary Artery Disease</i> , <b>2017</b> , 28, 145-150	1.4	5
615	Donor-Transmitted Atherosclerosis Associated With Worsening Cardiac Allograft Vasculopathy After Heart Transplantation: Serial Volumetric Intravascular Ultrasound Analysis. <b>2017</b> , 101, 1310-1319		19
614	In Vivo Calcium Detection by Comparing Optical Coherence Tomography, Intravascular Ultrasound, and Angiography. <b>2017</b> , 10, 869-879		66
613	Intravascular imaging in coronary artery disease. <b>2017</b> , 390, 793-809		64
612	Automatic volume classification in intravascular optical coherence tomography images. <b>2017</b> ,		0
611	What does the future hold for novel intravascular imaging devices: a focus on morphological and physiological assessment of plaque. <b>2017</b> , 14, 985-999		4
610	IVUS-Guided Versus OCT-Guided Coronary Stent Implantation: A Critical Appraisal. <b>2017</b> , 10, 1487-1503		93
609	Clinical Relevance of F-Sodium Fluoride Positron-Emission Tomography in Noninvasive Identification of High-Risk Plaque in Patients With Coronary Artery Disease. <b>2017</b> , 10,		41
608	Comparison of intravascular ultrasound- and centerline computed tomography-determined aortic diameters during thoracic endovascular aortic repair. <b>2017</b> , 66, 1184-1191		11
607	Arterial Remodeling After Bioresorbable Scaffolds and Metallic Stents. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 60-74	15.1	39
606	Relationship Between Serum Inflammatory Marker Levels and the Dynamic Changes in Coronary Plaque Characteristics After Statin Therapy. <b>2017</b> , 10,		24

605	Current Clinical Applications of Intravascular Ultrasound in Coronary Artery Disease. <b>2017</b> , 10, 1		0
604	Detection of lumen and media-adventitia borders in IVUS images using sparse auto-encoder neural network. <b>2017</b> ,		5
603	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> , <b>2017</b> , 28, 209-217	1.4	2
602	In vivo assessment of vasa vasorum neovascularization using intravascular ultrasound: A comparison between acute coronary syndrome and stable angina pectoris. <i>Journal of Cardiology</i> , <b>2017</b> , 69, 601-605	3	4
601	Correlation between dual-axis rotational coronary angiography and intravascular ultrasound in a coronary lesion assessment. <b>2017</b> , 33, 153-160		3
600	Intracoronary Imaging, Cholesterol Efflux, and Transcriptomes After Intensive Statin Treatment: The YELLOW II Study. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 628-640	15.1	37
599	Impact of Longitudinal Lesion Geometry on Location of Plaque Rupture and Clinical Presentations. <b>2017</b> , 10, 677-688		25
598	Relationship between markers of plaque vulnerability in optical coherence tomography and atherosclerotic progression in adult patients with heart transplantation. <b>2017</b> , 36, 185-192		11
597	Quantify patient-specific coronary material property and its impact on stress/strain calculations using in vivo IVUS data and 3D FSI models: a pilot study. <b>2017</b> , 16, 333-344		21
596	Comparison of 3-dimensional and 2-dimensional quantitative coronary angiography and intravascular ultrasound for functional assessment of coronary lesions. <i>Journal of Cardiology</i> , <b>2017</b> , 69, 280-286	3	13
595	Fenotipo del engrosamiento intimal patológico: no tan inocente como se pensaba. Estudio de la histología virtual de una serie de casos con ecografía intravascular 3D. <b>2017</b> , 70, 25-33		3
594	Intravascular imaging comparison of two metallic limus-eluting stents abuminally coated with biodegradable polymers: IVUS and OCT results of the DESTINY trial. <b>2017</b> , 33, 161-168		6
593	Intravascular ultrasound-derived morphological predictors of myocardial ischemia assessed by stress myocardial perfusion computed tomography. <i>Catheterization and Cardiovascular Interventions</i> , <b>2017</b> , 89, E207-E216	2.7	2
592	An artificial neural network method for lumen and media-adventitia border detection in IVUS. <i>Computerized Medical Imaging and Graphics</i> , <b>2017</b> , 57, 29-39	7.6	36
591	Pathologic Intimal Thickening Plaque Phenotype: Not as Innocent as Previously Thought. A Serial 3D Intravascular Ultrasound Virtual Histology Study. <b>2017</b> , 70, 25-33		2
590	Expansion in calcific lesions and overall clinical outcomes following bioresorbable scaffold implantation optimized with intravascular ultrasound. <i>Catheterization and Cardiovascular Interventions</i> , <b>2017</b> , 89, 789-797	2.7	2
589	Atherosclerosis to predict cardiac events: where and how to look for it. <b>2017</b> , 18 Suppl 1, e154-e156		2
588	Imagenología coronaria: ultrasonido intravascular (IVUS). <b>2017</b> , 24, 101-106		

587	A multi-channel a-scan ultrasound system for real-time, non-invasive study of carotid artery compliance. <b>2017</b> ,		
586	Outline of capacitive micromachined ultrasonic transducers (CMUTS) on an adaptable substrate for intravascular ultrasonography (IVUS) applications. <b>2017</b> ,		
585	Micromachined 1 $\mu$ m composite dual frequency IVUS array for contrast enhanced intravascular ultrasound imaging. <b>2017</b> ,		
584	Intravaskulärer Ultraschall in der Behandlung der koronaren Herzkrankheit. <b>2017</b> , 11, 501-514		2
583	Multimodality Imaging for Interventional Cardiology. <b>2017</b> , 23, 3285-3300		20
582	Three-Year Major Clinical Outcomes of Angiography-Guided Single Stenting Technique in Non-Complex Left Main Coronary Artery Diseases. <b>2017</b> , 58, 704-713		9
581	Clinical Outcomes of the Intraluminal Approach for Long Occlusive Femoropopliteal Lesions Assessed by Intravascular Ultrasound. <b>2017</b> , 24, 477-486		10
580	The Effect of Sex and Anthropometry on Clinical Outcomes in Patients Undergoing Percutaneous Coronary Intervention for Complex Coronary Lesions. <b>2017</b> , 58, 296-304		1
579	Plaque Characteristics and Ruptured Plaque Location according to Lesion Geometry in Culprit Lesions of ST-Segment Elevation Myocardial Infarction. <b>2017</b> , 47, 907-917		1
578	Introduction. <b>2017</b> , 1-21		3
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576	Intravascular Imaging to Assess Coronary Atherosclerosis and Percutaneous Coronary Interventions. <b>2017</b> , 3-32		
575	Clinical and Angiographic Outcomes of the First Korean-made Sirolimus-Eluting Coronary Stent with Abluminal Bioresorbable Polymer. <b>2017</b> , 47, 898-906		2
574	Impact of Coronary Stent Fracture on Restenotic Neointimal Tissue Characterization After Drug-Eluting Stent Implantation. <b>2017</b> , 58, 861-867		4
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572	Deferred vs. performed revascularization for coronary stenosis with grey-zone fractional flow reserve values: data from the IRIS-FFR registry. <b>2018</b> , 39, 1610-1619		28
571	Serial intravascular ultrasound evaluation of the DESolve <sup>®</sup> sirolimus-eluting bioresorbable coronary scaffold system. <i>Catheterization and Cardiovascular Interventions</i> , <b>2018</b> , 92, E368-E374	2.7	3
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569	Value of intravascular ultrasound in guiding coronary interventions. <b>2018</b> , 35, 520-533		4
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567	Intravascular Ultrasound Studies of Plaque Progression and Regression: Impact of Lipid-Modifying Therapies. <b>2018</b> , 36, 329-334		
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564	Association of D-dimer with Plaque Characteristics and Plasma Biomarkers of Oxidation-Specific Epitopes in Stable Subjects with Coronary Artery Disease. <b>2018</b> , 11, 221-229		10
563	Coronary computed tomography in heart transplant patients: detection of significant stenosis and cardiac allograft vasculopathy, image quality, and radiation dose. <b>2018</b> , 59, 1066-1073		7
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558	Impact of the triglyceride level on coronary plaque components in female patients with coronary artery disease treated with statins. <i>Heart and Vessels</i> , <b>2018</b> , 33, 1175-1184	2.1	3
557	Impact of Water- and Lipid-Soluble Statins on Nonculprit Lesions in Patients with Acute Coronary Syndrome. <b>2018</b> , 59, 27-34		3
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555	Predicting Locations of High-Risk Plaques in Coronary Arteries in Patients Receiving Statin Therapy. <b>2018</b> , 37, 151-161		10
554	Warfarin Use Is Associated With Progressive Coronary Arterial Calcification: Insights From Serial Intravascular Ultrasound. <b>2018</b> , 11, 1315-1323		34
553	Tissue characterization of non-culprit intermediate coronary lesions in non ST elevation acute coronary syndromes. <b>2018</b> , 70, 9-14		
552	Physical Principles and Equipment: IVUS. <b>2018</b> , 3-7		

551	Interpretation of Optical Coherence Tomography: Quantitative Measurement. <b>2018</b> , 115-124		
550	IVUS Artifacts and Image Control. <b>2018</b> , 9-17		3
549	Quantitative Measurements of Native Lesion. <b>2018</b> , 19-25		
548	Qualitative Assessment of Native Lesion. <b>2018</b> , 27-35		
547	IVUS: Post-Evaluation After Stenting. <b>2018</b> , 63-73		
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538	Wire bias in coronary measurement using optical coherence tomography. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2018</b> , 33, 217-223	2.5	2
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406	Clinical factors associated with slow flow in left main coronary artery-acute coronary syndrome without cardiogenic shock. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2021</b> , 36, 452-461	2.5	3
405	Fate of a coronary artery intramural haematoma complicating aortic root surgery: a case report. <b>2020</b> , 4, 1-5		
404	A State-of-the-Art Intravascular Ultrasound Diagnostic System. <b>2020</b> , 97-109		
403	Combination therapy of heparin-bonded covered stent and bare-nitinol stent assessed by intravascular ultrasound. <i>Heart and Vessels</i> , <b>2020</b> , 35, 1502-1509	2.1	1
402	When to use intravascular ultrasound or optical coherence tomography during percutaneous coronary intervention?. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2020</b> , 10, 1429-1444	2.6	3
401	imaging of vulnerable plaque with intravascular modalities: its advantages and limitations. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2020</b> , 10, 1461-1479	2.6	6
400	Fundamentals and role of intravascular ultrasound in percutaneous coronary intervention. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2020</b> , 10, 1358-1370	2.6	3
399	Automated lumen segmentation using multi-frame convolutional neural networks in intravascular ultrasound datasets. <b>2020</b> , 1, 75-82		4
398	Using optical coherence tomography and intravascular ultrasound imaging to quantify coronary plaque cap thickness and vulnerability: a pilot study. <b>2020</b> , 19, 90		6
397	Gravedad de la enfermedad coronaria definida por ultrasonido intravascular o tomografía de coherencia óptica y su relación con los índices fisiológicos. <b>2020</b> , 73, 812-821		3
396	Comparison of optical coherence tomography-guided versus intravascular ultrasound-guided percutaneous coronary intervention: Rationale and design of a randomized, controlled OCTIVUS trial. <b>2020</b> , 228, 72-80		1
395	. <b>2020</b> , 8, 145149-145158		
394	Paclitaxel Drug-Coated Balloon Angioplasty Suppresses Progression and Inflammation of Experimental Atherosclerosis in Rabbits. <b>2020</b> , 5, 685-695		7
393	Comparison of Intravascular Ultrasound Virtual Histology Parameters in Diabetes versus Non-Diabetes with Acute Coronary Syndrome. <b>2020</b> , 145, 570-577		1
392	Possible mechanism of late lumen enlargement after treatment for de novo coronary lesions with drug-coated balloon. <i>International Journal of Cardiology</i> , <b>2020</b> , 321, 30-37	3.2	6
391	A new noninvasive method for assessing mild coronary atherosclerosis: transthoracic convergent color Doppler after heart rate reduction. Validation vs. intracoronary ultrasound. <i>Coronary Artery Disease</i> , <b>2020</b> , 31, 500-511	1.4	4
390	Capacitive micromachined ultrasound transducers for intravascular ultrasound imaging. <b>2020</b> , 6, 73		19

389	Macrophage accumulation within coronary arterial wall in diabetic patients with acute coronary syndrome: a study with in-vivo intravascular imaging modalities. <b>2020</b> , 19, 135		3
388	Cardiac allograft vasculopathy: Incidence and predictors in a single-center cohort. <b>2020</b> , 39, 205-212		2
387	Comparisons of Nonhyperemic Pressure Ratios: Predicting Functional Results of Coronary Revascularization Using Longitudinal Vessel Interrogation. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 2688-2698	5	6
386	Cardiac allograft vasculopathy: Incidence and predictors in a single-center cohort. <b>2020</b> , 39, 205-212		3
385	Artificial Intelligence in Intracoronary Imaging. <b>2020</b> , 22, 46		10
384	A Brief History of Intracoronary Imaging. <b>2020</b> , 13, 1		1
383	2020 AHA/ACC Key Data Elements and Definitions for Coronary Revascularization: A Report of the American College of Cardiology/American Heart Association Task Force on Clinical Data Standards (Writing Committee to Develop Clinical Data Standards for Coronary Revascularization). <b>2020</b> , 13, e000059		10
382	Determining the Significance of Coronary Plaque Lesions: Physiological Stenosis Severity and Plaque Characteristics. <b>2020</b> , 9,		2
381	A Domain Enriched Deep Learning Approach to Classify Atherosclerosis using Intravascular Ultrasound Imaging. <b>2020</b> , 14, 1210-1220		8
380	Better Is the Evolution of Good: How IVUS and OCT Have Transformed PCI. <b>2020</b> , 13, 1		1
379	Differences in Intravascular Ultrasound Measurement Values Between Treatment Modalities for Restenosis in Femoropopliteal Lesions. <b>2020</b> , 84, 1320-1329		1
378	Optical coherence tomography versus intravascular ultrasound for culprit lesion assessment in patients with acute myocardial infarction. <b>2020</b> , 16, 145-152		1
377	A review of serial coronary computed tomography angiography (CTA) to assess plaque progression and therapeutic effect of anti-atherosclerotic drugs. <b>2020</b> , 36, 2305-2317		3
376	Coronary plaque tissue characterization in patients with premature coronary artery disease. <b>2020</b> , 36, 1003-1011		2
375	Plaque morphology assessed by optical coherence tomography in the culprit lesions of the first episode of acute myocardial infarction in patients with low low-density lipoprotein cholesterol level. <i>Journal of Cardiology</i> , <b>2020</b> , 75, 485-493	3	4
374	Contemporary practices using intravascular imaging guidance with IVUS or OCT to optimize percutaneous coronary intervention. <b>2020</b> , 18, 103-115		6
373	Impact of serum lipoprotein (a) level on coronary plaque progression and cardiovascular events in statin-treated patients with acute coronary syndrome: a yokohama-acs substudy. <i>Journal of Cardiology</i> , <b>2020</b> , 76, 66-72	3	2
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369	Progression of ultrasound plaque attenuation and low echogenicity associates with major adverse cardiovascular events. <b>2020</b> , 41, 2965-2973		6
368	Impact of visit-to-visit variability in blood pressure on coronary plaque as assessed by integrated backscatter intravascular ultrasound. <b>2020</b> , 42, 608-613		1
367	Comparison of Computed Tomography Angiography Versus Invasive Angiography to Assess Medina Classification in Coronary Bifurcations. <b>2020</b> , 125, 1479-1485		2
366	Improved crossability with novel cutting balloon versus scoring balloon in the treatment of calcified lesion. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2021</b> , 36, 198-207	2.5	1
365	Prevalence and quantitative assessment of macrophages in coronary plaques. <b>2021</b> , 37, 37-45		3
364	Management of calcified coronary artery bifurcation lesions. <i>Catheterization and Cardiovascular Interventions</i> , <b>2021</b> , 97, 1407-1416	2.7	2
363	Oral Calcium Supplements Associate With Serial Coronary Calcification: Insights From Intravascular Ultrasound. <b>2021</b> , 14, 259-268		4
362	Prediction of optimal debulking segments before rotational atherectomy based on pre-procedural intravascular ultrasound findings. <b>2021</b> , 37, 803-812		0
361	One-Year Outcomes of Heparin-Bonded Stent-Graft Therapy for Real-World Femoropopliteal Lesions and the Association of Patency With the Prothrombotic State Based on the Prospective, Observational, Multicenter ibahn Stet-Graft Placement for Femoropopliteal Diseases Rering Endovascular Therapy (VANQUISH) Study. <i>Journal of Endovascular Therapy</i> , <b>2021</b> , 28, 123-131	2.5	8
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359	Prediction of the coronary plaque growth and vulnerability change by using patient-specific 3D fluid-structure interaction models based on intravascular ultrasound and optical coherence tomography follow-up data. <b>2021</b> , 315-333		
358	Clinical impact of PCSK9 inhibitor on stabilization and regression of lipid-rich coronary plaques: a near-infrared spectroscopy study. <b>2021</b> ,		6
357	High Coronary Wall Shear Stress Worsens Plaque Vulnerability: A Systematic Review and Meta-Analysis. <i>Angiology</i> , <b>2021</b> , 72, 706-714	2.1	0
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355	Comparison of quantitative measurements between two different intravascular ultrasound catheters and consoles: in vitro and in vivo studies. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2021</b> , 1	2.5	2
354	The Prognostic Value of a Validated and Automated Intravascular Ultrasound-Derived Calcium Score. <b>2021</b> , 14, 992-1000		0

353	The EXCEL Trial: The Interventionalists Perspective. <b>2021</b> , 16, e01		
352	Impact of optimal preparation before drug-coated balloon dilatation for de novo lesion in patients with coronary artery disease. <b>2021</b> ,		4
351	Multi-patient study for coronary vulnerable plaque model comparisons: 2D/3D and fluid-structure interaction simulations. <b>2021</b> , 20, 1383-1397		3
350	Culprit lesion detection in patients presenting with non-ST elevation acute coronary syndrome and multivessel disease. <b>2021</b> ,		2
349	Adropin inhibits the phenotypic modulation and proliferation of vascular smooth muscle cells during neointimal hyperplasia by activating the AMPK/ACC signaling pathway. <b>2021</b> , 21, 560		1
348	Multi-modality intravascular imaging for guiding coronary intervention and assessing coronary atheroma: the Novasight Hybrid IVUS-OCT system. <b>2021</b> , 69, 655-670		1
347	Cardiovascular Imaging Techniques for Detection of Vulnerable Plaques. <b>2021</b> , 6, 21-26		
346	Coronary lipid-rich plaque characteristics in Japanese patients with acute coronary syndrome and stable angina: A near infrared spectroscopy and intravascular ultrasound study. <b>2021</b> , 33, 100747		3
345	Predictor analysis of 1-year restenosis after percutaneous transluminal angioplasty for femoropopliteal stenotic lesions using intravascular ultrasound. <i>Heart and Vessels</i> , <b>2021</b> , 36, 1661-1669	2.1	0
344	External stenting and disease progression in saphenous vein grafts two years after coronary artery bypass grafting: A multicenter randomized trial. <b>2021</b> ,		5
343	Ultrasound Methods in the Evaluation of Atherosclerosis: From Pathophysiology to Clinic. <b>2021</b> , 9,		3
342	Is the effect of atorvastatin 60 mg on stabilization of lipid-rich plaque equivalent to that of rosuvastatin 10 mg? A serial optical coherence tomography combined with intravascular ultrasound imaging. <i>Catheterization and Cardiovascular Interventions</i> , <b>2021</b> , 97 Suppl 2, 1097-1107	2.7	
341	Recent Advances in Transducers for Intravascular Ultrasound (IVUS) Imaging. <b>2021</b> , 21,		15
340	Serial assessment of de novo coronary lesions after drug-coated balloon treatment analyzed by intravascular ultrasound: A comparison between acute coronary syndrome and stable angina pectoris. <i>International Journal of Cardiology</i> , <b>2021</b> , 330, 35-40	3.2	1
339	Intravascular ultrasound-based deep learning for plaque characterization in coronary artery disease. <i>Atherosclerosis</i> , <b>2021</b> , 324, 69-75	3.1	4
338	Association of quantitative flow ratio-derived microcirculatory indices with anatomical-functional discordance in intermediate coronary lesions. <b>2021</b> , 37, 2803-2813		3
337	Predictive Factors for Restenosis Following Stent-Supported Endovascular Therapy with Intravascular Ultrasound Evaluation for Femoropopliteal Chronic Total Occlusion. <b>2021</b> , 32, 712-720.e1		1
336	Predictors and outcomes of acute recoil after ultrathin bioresorbable polymer sirolimus-eluting stents implantation: an intravascular ultrasound in native coronary arteries. <i>Coronary Artery Disease</i> , <b>2022</b> , 31, 18-24	1.4	

335	Correlation of Intravascular Ultrasound and Instantaneous Wave-Free Ratio in Patients With Intermediate Left Main Coronary Artery Disease. <b>2021</b> , 14, e009830			1
334	Impact of Arterial Remodeling of Intermediate Coronary Lesions on Long-Term Clinical Outcomes in Patients with Stable Coronary Artery Disease: An Intravascular Ultrasound Study. <b>2021</b> , 2021, 9915759			0
333	The Association Between Quantitative Flow Ratio and Intravascular Imaging-defined Vulnerable Plaque Characteristics in Patients With Stable Angina and Non-ST-segment Elevation Acute Coronary Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 690262	5-4		
332	CD200 Limits Monopoiesis and Monocyte Recruitment in Atherosclerosis. <b>2021</b> , 129, 280-295			3
331	Imaging of Cardiac Transplantation: An Overview. <b>2021</b> , 51, 335-348			1
330	Reduction of Lipid-Core Burden Index in Nonculprit Lesions at Follow-Up after ST-Elevation Myocardial Infarction: A Randomized Study of Bioresorbable Vascular Scaffold versus Optimal Medical Therapy. <b>2021</b> , 2021, 5590093			
329	Serum free fatty acids are associated with severe coronary artery calcification, especially in diabetes: a retrospective study. <b>2021</b> , 21, 343			0
328	Quantitative assessment of atherosclerotic plaque, recent progress and current limitations. <b>2021</b> ,			5
327	Elevated Serum Levels of Soluble ST2 Are Associated With Plaque Vulnerability in Patients With Non-ST-Elevation Acute Coronary Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 688522	5-4		0
326	Deep learning with convolutional neural network for estimation of the characterisation of coronary plaques: Validation using IB-IVUS. <b>2021</b> ,			0
325	Utility of near-infrared spectroscopy to detect the extent of lipid core plaque leading to periprocedural myocardial infarction. <i>Catheterization and Cardiovascular Interventions</i> , <b>2021</b> , 98, E695-E704	2-7		1
324	Prognostic value of myocardial flow reserve obtained by 82-rubidium positron emission tomography in long-term follow-up after heart transplantation. <b>2021</b> , 1			0
323	Measurement of compensatory arterial remodelling over time with serial coronary computed tomography angiography and 3D metrics. <b>2021</b> ,			
322	Effect of smoking on culprit lesion plaque burden and composition in acute coronary syndrome: An intravascular ultrasound-virtual histology study. <b>2021</b> , 73, 687-692			
321	Advanced deep learning methodology for accurate, real-time segmentation of high-resolution intravascular ultrasound images. <i>International Journal of Cardiology</i> , <b>2021</b> , 339, 185-191	3-2		4
320	Left main coronary artery diameter - A correlation between intravascular ultrasound and quantitative coronary angiography. <b>2021</b> , 73, 660-663			2
319	Paediatric heart transplantation recipients $\geq$ years of age receiving donors with pre-existing coronary atherosclerosis showed progressive coronary artery disease. <b>2021</b> , 1-8			
318	INtra-procedural ultraSOUND Imaging for DEtermination of atrial wall thickness and acute tissue changes after isolation of the pulmonary veins with radiofrequency, cryoballoon or laser balloon energy: the INSIDE PVs study. <b>2021</b> , 37, 3525-3535			0



317	Vessel Diameter Evaluated by Intravascular Ultrasound Versus Angiography. <i>Journal of Endovascular Therapy</i> , <b>2021</b> , 15266028211047946	2.5	2
316	Visually Estimated RESOLVE Score Based on Coronary Computed Tomography to Predict Side Branch Occlusion in Percutaneous Bifurcation Intervention. <b>2021</b> , 36, 189-196		
315	Prognostic value of comprehensive intracoronary physiology assessment early after heart transplantation. <b>2021</b> ,		2
314	A Rayleigh Mixture Model for IVUS Imaging. <b>2012</b> , 25-47		5
313	Probabilistic segmentation of the lumen from intravascular ultrasound radio frequency data. <b>2012</b> , 15, 454-61		1
312	Intravascular Ultrasound. <b>2015</b> , 1379-1418		1
311	Coronary Atherosclerosis: Acute Coronary Syndromes. <b>2002</b> , 746-779		1
310	Clinical Manifestations of Atherosclerosis. <b>2012</b> , 39-58		1
309	Clinical Utility of Intravascular Ultrasound. <b>2020</b> , 3-24		1
308	Nonangiographic Coronary Lesion Assessment. <b>2013</b> , 244-289		1
307	NIRS-IVUS for Differentiating Coronary Plaque Rupture, Erosion, and Calcified Nodule in Acute Myocardial Infarction. <b>2021</b> , 14, 1440-1450		7
306	A randomized controlled trial of eicosapentaenoic acid in patients with coronary heart disease on statins. <i>Journal of Cardiology</i> , <b>2017</b> , 70, 537-544	3	71
305	Impact of plaque burden and composition on coronary slow flow in ST-segment elevation myocardial infarction undergoing percutaneous coronary intervention: intravascular ultrasound and virtual histology analysis. <b>2021</b> , 76, 650-660		2
304	In vivo relationship between near-infrared spectroscopy-detected lipid-rich plaques and morphological plaque characteristics by optical coherence tomography and intravascular ultrasound: a multimodality intravascular imaging study. <b>2021</b> , 22, 824-834		7
303	Invasive Imaging and Haemodynamics. <b>2009</b> , 237-280		2
302	Chronic Ischaemic Heart Disease. <b>2009</b> , 597-664		5
301	Combining IVUS and Optical Coherence Tomography for More Accurate Coronary Cap Thickness Quantification and Stress/Strain Calculations: A Patient-Specific Three-Dimensional Fluid-Structure Interaction Modeling Approach. <b>2018</b> , 140,		20
300	Automated A-line coronary plaque classification of intravascular optical coherence tomography images using handcrafted features and large datasets. <b>2019</b> , 24, 1-15		13

299	Automated classification of coronary plaque calcification in OCT pullbacks with 3D deep neural networks. <b>2020</b> , 25,		4
298	Coronary calcification segmentation in intravascular OCT images using deep learning: application to calcification scoring. <b>2019</b> , 6, 045002		10
297	Imaging Characteristics of Mismatch Lesions: An Angiographic and Intravascular Ultrasound Analysis of 1369 Coronary Lesions. <i>Angiology</i> , <b>2019</b> , 70, 756-764	2.1	1
296	Morphological and Stress Vulnerability Indices for Human Coronary Plaques and Their Correlations with Cap Thickness and Lipid Percent: An IVUS-Based Fluid-Structure Interaction Multi-patient Study. <b>2015</b> , 11, e1004652		21
295	Association of localized hypersensitivity and in-stent neoatherosclerosis with the very late drug-eluting stent thrombosis. <b>2014</b> , 9, e113870		11
294	Increase in ultrasonic intensity of blood speckle across moderate coronary artery stenosis is an independent predictor of functional coronary artery stenosis measured by fractional flow reserve: pilot study. <b>2015</b> , 10, e0116727		5
293	Release of Intracoronary Microparticles during Stent Implantation into Stable Atherosclerotic Lesions under Protection with an Aspiration Device. <b>2015</b> , 10, e0124904		13
292	Anatomical and Physiological Changes after Paclitaxel-Coated Balloon for Atherosclerotic De Novo Coronary Lesions: Serial IVUS-VH and FFR Study. <b>2016</b> , 11, e0147057		42
291	Increased Plasma Dipeptidyl Peptidase-4 Activities in Patients with Coronary Artery Disease. <b>2016</b> , 11, e0163027		18
290	Plaque Vulnerability as Assessed by Radiofrequency Intravascular Ultrasound in Patients with Valvular Calcification. <b>2016</b> , 11, e0165885		1
289	Assessment of Inter-Expert Variability and of an Automated Segmentation Method of 40 and 60 MHz IVUS Images of Coronary Arteries. <b>2017</b> , 12, e0168332		2
288	Hyperglycemia effect on coronary disease in patients with metabolic syndrome evaluated by intracoronary ultrasonography. <b>2017</b> , 12, e0171733		3
287	Quantification of left coronary bifurcation angles and plaques by coronary computed tomography angiography for prediction of significant coronary stenosis: A preliminary study with dual-source CT. <b>2017</b> , 12, e0174352		13
286	Comparison of clinical outcomes of intravascular ultrasound-calcified nodule between percutaneous coronary intervention with versus without rotational atherectomy in a propensity-score matched analysis. <b>2020</b> , 15, e0241836		5
285	Relationship between high shear stress and OCT-verified thin-cap fibroatheroma in patients with coronary artery disease. <b>2020</b> , 15, e0244015		3
284	Clinical utility of intravascular ultrasonography-guided therapy in a small-vessel coronary lesion associated with Type 2 diabetes mellitus. <b>2019</b> , 22, 68-76		3
283	Poststenting axial redistribution of atherosclerotic plaque into the reference segments and lumen reduction at the stent edge: a volumetric intravascular ultrasound study. <b>2006</b> , 47, 159-71		5
282	Intravascular Ultrasound-based Imaging Modalities for Tissue Characterisation. <b>2014</b> , 9, 151-155		13

281	Intravascular Ultrasound Versus Optical Coherence Tomography for Coronary Artery Imaging - Apples and Oranges?. <b>2015</b> , 10, 8-15		30
280	Choice of Intracoronary Imaging: When to use Intravascular Ultrasound or Optical Coherence Tomography. <b>2016</b> , 11, 11-16		18
279	Assessment methods and possibilities of instrumental diagnosis of subclinical atherosclerosis of coronary arteries. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , <b>2019</b> , 18, 136-141	0.9	1
278	Relation between baseline plaque features and subsequent coronary artery remodeling determined by optical coherence tomography and intravascular ultrasound. <b>2017</b> , 8, 4234-4244		2
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276	Chronic total occlusion: do we need intravascular imaging guidance?. <b>2007</b> , 187-198		1
275	What is the optimal imaging tool for coronary atherosclerosis?. <b>2012</b> , 250-258		1
274	Coronary Heart Disease Concomitant with Atherosclerotic Cerebrovascular Disease. <b>2019</b> , 3, 76		2
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271	IVUS Image Processing Methodologies. 36-54		2
270	Cardiac Diagnostic Testing. <b>2006</b> , 26, S2-S13		2
269	In-Vivo Coronary Plaque Composition in Patients with Acute Coronary Syndrome: A Virtual Histology Intravascular Ultrasound Study. <b>2007</b> , 37, 437		7
268	The Proximal Optimization Technique Improves Clinical Outcomes When Treated without Kissing Ballooning in Patients with a Bifurcation Lesion. <b>2019</b> , 49, 485-494		7
267	Lipid-Core Plaque Assessed by Near-Infrared Spectroscopy and Procedure Related Microvascular Injury. <b>2019</b> , 49, 1010-1018		3
266	Three-dimensional volumetric assessment of coronary artery calcification in patients with stable coronary artery disease by OCT. <i>EuroIntervention</i> , <b>2017</b> , 13, 312-319	3.1	17
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262	Change in lumen eccentricity and asymmetry after treatment with Absorb bioresorbable vascular scaffolds in the ABSORB cohort B trial: a five-year serial optical coherence tomography imaging study. <i>EuroIntervention</i> , <b>2017</b> , 12, e2244-e2252	3.1	12
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260	Percutaneous coronary intervention for the left main stem and other bifurcation lesions: 12th consensus document from the European Bifurcation Club. <i>EuroIntervention</i> , <b>2018</b> , 13, 1540-1553	3.1	127
259	Effect of stenting on the near-infrared spectroscopy-derived lipid core burden index of carotid artery plaque. <i>EuroIntervention</i> , <b>2019</b> , 15, e289-e296	3.1	5
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256	Impact of arterial injury on neointimal hyperplasia after implantation of drug-eluting stents in coronary arteries: an intravascular ultrasound study. <i>EuroIntervention</i> , <b>2010</b> , 6, 467-74	3.1	5
255	Coronary artery wall shear stress is associated with endothelial dysfunction and expansive arterial remodelling in patients with coronary artery disease. <i>EuroIntervention</i> , <b>2015</b> , 10, 1440-8	3.1	20
254	Serial intravascular ultrasound observations from the Tryton first-in-man study. <i>EuroIntervention</i> , <b>2014</b> , 10, 475-83	3.1	2
253	Percutaneous coronary intervention for coronary bifurcation disease: consensus from the first 10 years of the European Bifurcation Club meetings. <i>EuroIntervention</i> , <b>2014</b> , 10, 545-60	3.1	177
252	The vulnerable artery: early and rapid deposition of lipid in coronary arteries is associated with subsequent development of thin-cap fibroatheromas. <i>EuroIntervention</i> , <b>2016</b> , 11, e1612-8	3.1	8
251	Usefulness of combined intravascular ultrasound parameters to predict functional significance of coronary artery stenosis and determinants of mismatch. <i>EuroIntervention</i> , <b>2015</b> , 11, 163-70	3.1	17
250	Percutaneous coronary intervention for coronary bifurcation disease: 11th consensus document from the European Bifurcation Club. <i>EuroIntervention</i> , <b>2016</b> , 12, 38-46	3.1	140
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247	In vivo characterisation of coronary plaques with conventional grey-scale intravascular ultrasound: correlation with optical coherence tomography. <i>EuroIntervention</i> , <b>2009</b> , 4, 626-32	3.1	26
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