

# Renu Virmani

## List of Publications by Citations

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381  
papers

53,575  
citations

113  
h-index

229  
g-index

418  
ext. papers

61,011  
ext. citations

7  
avg, IF

7.34  
L-index

#	Paper	IF	Citations
381	Lessons from sudden coronary death: a comprehensive morphological classification scheme for atherosclerotic lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 1262-75	9.4	2989
380	Pathology of drug-eluting stents in humans: delayed healing and late thrombotic risk. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 48, 193-202	15.1	2205
379	Pathology of the vulnerable plaque. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, C13-8	15.1	1673
378	Coronary risk factors and plaque morphology in men with coronary disease who died suddenly. <i>New England Journal of Medicine</i> , <b>1997</b> , 336, 1276-82	59.2	1327
377	Localized hypersensitivity and late coronary thrombosis secondary to a sirolimus-eluting stent: should we be cautious?. <i>Circulation</i> , <b>2004</b> , 109, 701-5	16.7	1224
376	Consensus standards for acquisition, measurement, and reporting of intravascular optical coherence tomography studies: a report from the International Working Group for Intravascular Optical Coherence Tomography Standardization and Validation. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 1058-72	15.1	1216
375	Intraplaque hemorrhage and progression of coronary atheroma. <i>New England Journal of Medicine</i> , <b>2003</b> , 349, 2316-25	59.2	1112
374	Pathological correlates of late drug-eluting stent thrombosis: strut coverage as a marker of endothelialization. <i>Circulation</i> , <b>2007</b> , 115, 2435-41	16.7	1079
373	Mechanisms of plaque formation and rupture. <i>Circulation Research</i> , <b>2014</b> , 114, 1852-66	15.7	1045
372	Atherosclerotic plaque progression and vulnerability to rupture: angiogenesis as a source of intraplaque hemorrhage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2005</b> , 25, 2054-61	9.4	1022
371	Computed tomographic angiography characteristics of atherosclerotic plaques subsequently resulting in acute coronary syndrome. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 54, 49-57	15.1	998
370	Coronary plaque erosion without rupture into a lipid core. A frequent cause of coronary thrombosis in sudden coronary death. <i>Circulation</i> , <b>1996</b> , 93, 1354-63	16.7	817
369	Concept of vulnerable/unstable plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 1282-92	9.4	782
368	Multislice computed tomographic characteristics of coronary lesions in acute coronary syndromes. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 319-26	15.1	764
367	Drug-eluting stent and coronary thrombosis: biological mechanisms and clinical implications. <i>Circulation</i> , <b>2007</b> , 115, 1051-8	16.7	751
366	Pathology of acute and chronic coronary stenting in humans. <i>Circulation</i> , <b>1999</b> , 99, 44-52	16.7	748
365	Vascular responses to drug eluting stents: importance of delayed healing. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 1500-10	9.4	743

364	The pathology of neoatherosclerosis in human coronary implants bare-metal and drug-eluting stents. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 57, 1314-22	15.1	701
363	Delayed arterial healing and increased late stent thrombosis at culprit sites after drug-eluting stent placement for acute myocardial infarction patients: an autopsy study. <i>Circulation</i> , <b>2008</b> , 118, 1138-45	16.7	701
362	Healed plaque ruptures and sudden coronary death: evidence that subclinical rupture has a role in plaque progression. <i>Circulation</i> , <b>2001</b> , 103, 934-40	16.7	676
361	Update on acute coronary syndromes: the pathologists' view. <i>European Heart Journal</i> , <b>2013</b> , 34, 719-28	9.5	661
360	Macrophage myeloperoxidase regulation by granulocyte macrophage colony-stimulating factor in human atherosclerosis and implications in acute coronary syndromes. <i>American Journal of Pathology</i> , <b>2001</b> , 158, 879-91	5.8	571
359	Endothelial cell recovery between comparator polymer-based drug-eluting stents. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 52, 333-42	15.1	531
358	Hypersensitivity cases associated with drug-eluting coronary stents: a review of available cases from the Research on Adverse Drug Events and Reports (RADAR) project. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 175-81	15.1	514
357	Differential response of delayed healing and persistent inflammation at sites of overlapping sirolimus- or paclitaxel-eluting stents. <i>Circulation</i> , <b>2005</b> , 112, 270-8	16.7	502
356	In vivo diagnosis of plaque erosion and calcified nodule in patients with acute coronary syndrome by intravascular optical coherence tomography. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 1748-58	15.1	481
355	Morphological predictors of restenosis after coronary stenting in humans. <i>Circulation</i> , <b>2002</b> , 105, 2974-80	16.7	481
354	The thin-cap fibroatheroma: a type of vulnerable plaque: the major precursor lesion to acute coronary syndromes. <i>Current Opinion in Cardiology</i> , <b>2001</b> , 16, 285-92	2.1	481
353	The impact of calcification on the biomechanical stability of atherosclerotic plaques. <i>Circulation</i> , <b>2001</b> , 103, 1051-6	16.7	473
352	Pathological mechanisms of fatal late coronary stent thrombosis in humans. <i>Circulation</i> , <b>2003</b> , 108, 1701-6	16.7	418
351	Morphological predictors of arterial remodeling in coronary atherosclerosis. <i>Circulation</i> , <b>2002</b> , 105, 297-303	16.7	417
350	Terminology for high-risk and vulnerable coronary artery plaques. Report of a meeting on the vulnerable plaque, June 17 and 18, 2003, Santorini, Greece. <i>European Heart Journal</i> , <b>2004</b> , 25, 1077-82	9.5	401
349	Morphologic findings of coronary atherosclerotic plaques in diabetics: a postmortem study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 1266-71	9.4	399
348	A hypothesis for vulnerable plaque rupture due to stress-induced debonding around cellular microcalcifications in thin fibrous caps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 14678-83	11.5	392
347	Correlation of intravascular ultrasound findings with histopathological analysis of thrombus aspirates in patients with very late drug-eluting stent thrombosis. <i>Circulation</i> , <b>2009</b> , 120, 391-9	16.7	388

346	Atherosclerotic plaque rupture in symptomatic carotid artery stenosis. <i>Journal of Vascular Surgery</i> , <b>1996</b> , 23, 755-65; discussion 765-6	3.5	371
345	Effect of risk factors on the mechanism of acute thrombosis and sudden coronary death in women. <i>Circulation</i> , <b>1998</b> , 97, 2110-6	16.7	359
344	Pathological analysis of local delivery of paclitaxel via a polymer-coated stent. <i>Circulation</i> , <b>2001</b> , 104, 473-9	16.7	354
343	Histopathologic characteristics of atherosclerotic coronary disease and implications of the findings for the invasive and noninvasive detection of vulnerable plaques. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 1041-51	15.1	345
342	Vulnerable plaque: the pathology of unstable coronary lesions. <i>Journal of Interventional Cardiology</i> , <b>2002</b> , 15, 439-46	1.8	345
341	Pathology of second-generation everolimus-eluting stents versus first-generation sirolimus- and paclitaxel-eluting stents in humans. <i>Circulation</i> , <b>2014</b> , 129, 211-23	16.7	333
340	Advanced atherosclerotic lesions in the innominate artery of the ApoE knockout mouse. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 2587-92	9.4	318
339	Plaque rupture and sudden death related to exertion in men with coronary artery disease. <i>JAMA - Journal of the American Medical Association</i> , <b>1999</b> , 281, 921-6	27.4	316
338	Elevated C-reactive protein values and atherosclerosis in sudden coronary death: association with different pathologies. <i>Circulation</i> , <b>2002</b> , 105, 2019-23	16.7	306
337	Imaging atherosclerotic plaque inflammation by fluorodeoxyglucose with positron emission tomography: ready for prime time?. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 55, 2527-35	15.1	290
336	Detection of lipid core coronary plaques in autopsy specimens with a novel catheter-based near-infrared spectroscopy system. <i>JACC: Cardiovascular Imaging</i> , <b>2008</b> , 1, 638-48	8.4	289
335	In-stent neoatherosclerosis: a final common pathway of late stent failure. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 2051-7	15.1	285
334	Localization of apoptotic macrophages at the site of plaque rupture in sudden coronary death. <i>American Journal of Pathology</i> , <b>2000</b> , 157, 1259-68	5.8	285
333	Frequency and distribution of thin-cap fibroatheroma and ruptured plaques in human coronary arteries: a pathologic study. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 940-9	15.1	278
332	Has our understanding of calcification in human coronary atherosclerosis progressed?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 724-36	9.4	275
331	Pathophysiology of native coronary, vein graft, and in-stent atherosclerosis. <i>Nature Reviews Cardiology</i> , <b>2016</b> , 13, 79-98	14.8	270
330	Anatomic assessment of sympathetic peri-arterial renal nerves in man. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 635-43	15.1	269
329	Lipoprotein-associated phospholipase A2 protein expression in the natural progression of human coronary atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 2523-9	9.4	267

328	Neoatherosclerosis: overview of histopathologic findings and implications for intravascular imaging assessment. <i>European Heart Journal</i> , <b>2015</b> , 36, 2147-59	9.5	266
327	Protection Against Cerebral Embolism During Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 367-377	15.1	262
326	The importance of the endothelium in atherothrombosis and coronary stenting. <i>Nature Reviews Cardiology</i> , <b>2012</b> , 9, 439-53	14.8	258
325	Examination of the in vivo mechanisms of late drug-eluting stent thrombosis: findings from optical coherence tomography and intravascular ultrasound imaging. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 12-20	5	251
324	Biomechanical factors in atherosclerosis: mechanisms and clinical implications. <i>European Heart Journal</i> , <b>2014</b> , 35, 3013-20, 3020a-3020d	9.5	250
323	Intracoronary optical coherence tomography and histology at 1 month and 2, 3, and 4 years after implantation of everolimus-eluting bioresorbable vascular scaffolds in a porcine coronary artery model: an attempt to decipher the human optical coherence tomography images in the ABSORB trial. <i>Circulation</i> , <b>2016</b> , 133, 2222-2230	16.7	248
322	Drug-eluting stents in preclinical studies: recommended evaluation from a consensus group. <i>Circulation</i> , <b>2002</b> , 106, 1867-73	16.7	247
321	Coronary responses and differential mechanisms of late stent thrombosis attributed to first-generation sirolimus- and paclitaxel-eluting stents. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 57, 390-8	15.1	245
320	Thin-walled microvessels in human coronary atherosclerotic plaques show incomplete endothelial junctions relevance of compromised structural integrity for intraplaque microvascular leakage. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 53, 1517-27	15.1	242
319	Sudden coronary death. Frequency of active coronary lesions, inactive coronary lesions, and myocardial infarction. <i>Circulation</i> , <b>1995</b> , 92, 1701-9	16.7	236
318	Intraplaque haemorrhages as the trigger of plaque vulnerability. <i>European Heart Journal</i> , <b>2011</b> , 32, 1977-85, 1985a, 1985b, 1985c	9.5	235
317	Pathophysiology of atherosclerosis plaque progression. <i>Heart Lung and Circulation</i> , <b>2013</b> , 22, 399-411	1.8	234
316	Pathology of Human Coronary and Carotid Artery Atherosclerosis and Vascular Calcification in Diabetes Mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 191-204	9.4	229
315	Biological responses in stented arteries. <i>Cardiovascular Research</i> , <b>2013</b> , 99, 353-63	9.9	224
314	Hemoglobin directs macrophage differentiation and prevents foam cell formation in human atherosclerotic plaques. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 166-77	15.1	221
313	Differential accumulation of proteoglycans and hyaluronan in culprit lesions: insights into plaque erosion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 1642-8	9.4	218
312	Incidence and predictors of drug-eluting stent fracture in human coronary artery a pathologic analysis. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 54, 1924-31	15.1	205
311	Morphologic characteristics of lesion formation and time course of smooth muscle cell proliferation in a porcine proliferative restenosis model. <i>Journal of the American College of Cardiology</i> , <b>1994</b> , 24, 1398-405	15.1	202

310	Acute coronary events. <i>Circulation</i> , <b>2012</b> , 125, 1147-56	16.7	198
309	Left ventricular noncompaction: a pathological study of 14 cases. <i>Human Pathology</i> , <b>2005</b> , 36, 403-11	3.7	197
308	Pathological findings at bifurcation lesions: the impact of flow distribution on atherosclerosis and arterial healing after stent implantation. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 55, 1679-87	15.1	188
307	Effects of Statins on Coronary Atherosclerotic Plaques: The PARADIGM Study. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 1475-1484	8.4	177
306	Relationship of thrombus healing to underlying plaque morphology in sudden coronary death. <i>Journal of the American College of Cardiology</i> , <b>2010</b> , 55, 122-32	15.1	177
305	Pathology of in-stent restenosis. <i>Current Opinion in Lipidology</i> , <b>1999</b> , 10, 499-506	4.4	176
304	Drug-eluting stents in preclinical studies: updated consensus recommendations for preclinical evaluation. <i>Circulation: Cardiovascular Interventions</i> , <b>2008</b> , 1, 143-53	6	172
303	High levels of systemic myeloperoxidase are associated with coronary plaque erosion in patients with acute coronary syndromes: a clinicopathological study. <i>Circulation</i> , <b>2010</b> , 122, 2505-13	16.7	170
302	Extracellular matrix changes in stented human coronary arteries. <i>Circulation</i> , <b>2004</b> , 110, 940-7	16.7	170
301	Comparison of inflammatory response after implantation of sirolimus- and paclitaxel-eluting stents in porcine coronary arteries. <i>Circulation</i> , <b>2009</b> , 120, 141-9, 1-2	16.7	166
300	Pathophysiology of calcium deposition in coronary arteries. <i>Herz</i> , <b>2001</b> , 26, 239-44	2.6	166
299	A mechanistic analysis of the role of microcalcifications in atherosclerotic plaque stability: potential implications for plaque rupture. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 303, H619-28	5.2	164
298	Low-grade carotid stenosis: looking beyond the lumen with MRI. <i>Stroke</i> , <b>2005</b> , 36, 2504-13	6.7	162
297	Coronary Atherosclerotic Precursors of Acute Coronary Syndromes. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 2511-2522	15.1	161
296	The napkin-ring sign: CT signature of high-risk coronary plaques?. <i>JACC: Cardiovascular Imaging</i> , <b>2010</b> , 3, 440-4	8.4	159
295	Clinical classification of plaque morphology in coronary disease. <i>Nature Reviews Cardiology</i> , <b>2014</b> , 11, 379-89	14.8	156
294	Histopathology of embolic debris captured during transcatheter aortic valve replacement. <i>Circulation</i> , <b>2013</b> , 127, 2194-201	16.7	156
293	Sex differences in coronary artery disease: pathological observations. <i>Atherosclerosis</i> , <b>2015</b> , 239, 260-7	3.1	152

292	The napkin-ring sign indicates advanced atherosclerotic lesions in coronary CT angiography. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 1243-52	8.4	151
291	Coronary Artery Calcification and its Progression: What Does it Really Mean?. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 127-142	8.4	142
290	Oral everolimus inhibits in-stent neointimal growth. <i>Circulation</i> , <b>2002</b> , 106, 2379-84	16.7	142
289	Transcatheter heart valve failure: a systematic review. <i>European Heart Journal</i> , <b>2015</b> , 36, 1306-27	9.5	137
288	A comparison of the Framingham risk index, coronary artery calcification, and culprit plaque morphology in sudden cardiac death. <i>Circulation</i> , <b>2000</b> , 101, 1243-8	16.7	137
287	Detection by near-infrared spectroscopy of large lipid core plaques at culprit sites in patients with acute ST-segment elevation myocardial infarction. <i>JACC: Cardiovascular Interventions</i> , <b>2013</b> , 6, 838-46	5	136
286	OCT-based diagnosis and management of STEMI associated with intact fibrous cap. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 283-7	8.4	132
285	Dissociation of pentameric to monomeric C-reactive protein localizes and aggravates inflammation: in vivo proof of a powerful proinflammatory mechanism and a new anti-inflammatory strategy. <i>Circulation</i> , <b>2014</b> , 130, 35-50	16.7	132
284	Sources of error and interpretation of plaque morphology by optical coherence tomography. <i>American Journal of Cardiology</i> , <b>2006</b> , 98, 156-9	3	132
283	34th Bethesda Conference: Task force #2--What is the pathologic basis for new atherosclerosis imaging techniques?. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 41, 1874-86	15.1	131
282	Targeting macrophage necroptosis for therapeutic and diagnostic interventions in atherosclerosis. <i>Science Advances</i> , <b>2016</b> , 2, e1600224	14.3	128
281	2-deoxy-2-[18F]fluoro-D-mannose positron emission tomography imaging in atherosclerosis. <i>Nature Medicine</i> , <b>2014</b> , 20, 215-9	50.5	128
280	CD163+ macrophages promote angiogenesis and vascular permeability accompanied by inflammation in atherosclerosis. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1106-1124	15.9	126
279	Long-term safety of an everolimus-eluting bioresorbable vascular scaffold and the cobalt-chromium XIENCE V stent in a porcine coronary artery model. <i>Circulation: Cardiovascular Interventions</i> , <b>2014</b> , 7, 330-42	6	125
278	Intracranial vasa vasorum: insights and implications for imaging. <i>Radiology</i> , <b>2013</b> , 267, 667-79	20.5	125
277	Microemboli and microvascular obstruction in acute coronary thrombosis and sudden coronary death: relation to epicardial plaque histopathology. <i>Journal of the American College of Cardiology</i> , <b>2009</b> , 54, 2167-73	15.1	125
276	Thrombus formation following transcatheter aortic valve replacement. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 728-39	5	120
275	Arithmetic of vulnerable plaques for noninvasive imaging. <i>Nature Clinical Practice Cardiovascular Medicine</i> , <b>2008</b> , 5 Suppl 2, S2-10		120



274	Virtual histology intravascular ultrasound assessment of carotid artery disease: the Carotid Artery Plaque Virtual Histology Evaluation (CAPITAL) study. <i>Journal of Endovascular Therapy</i> , <b>2007</b> , 14, 676-86	2.5	117
273	Effect of menopause on plaque morphologic characteristics in coronary atherosclerosis. <i>American Heart Journal</i> , <b>2001</b> , 141, S58-62	4.9	117
272	Polymer-free biolimus a9-coated stent demonstrates more sustained intimal inhibition, improved healing, and reduced inflammation compared with a polymer-coated sirolimus-eluting cypher stent in a porcine model. <i>Circulation: Cardiovascular Interventions</i> , <b>2010</b> , 3, 174-83	6	115
271	Anti-CD34 antibodies immobilized on the surface of sirolimus-eluting stents enhance stent endothelialization. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 68-75	5	115
270	Sustained reduction of in-stent neointimal growth with the use of a novel systemic nanoparticle paclitaxel. <i>Circulation</i> , <b>2002</b> , 106, 1195-8	16.7	114
269	Accuracy of optical coherence tomography in the evaluation of neointimal coverage after stent implantation. <i>JACC: Cardiovascular Imaging</i> , <b>2010</b> , 3, 76-84	8.4	110
268	Pharmacological suppression of hepcidin increases macrophage cholesterol efflux and reduces foam cell formation and atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 299-307	9.4	110
267	Natural progression of atherosclerosis from pathologic intimal thickening to late fibroatheroma in human coronary arteries: A pathology study. <i>Atherosclerosis</i> , <b>2015</b> , 241, 772-82	3.1	109
266	Impact of stent strut design in metallic stents and biodegradable scaffolds. <i>International Journal of Cardiology</i> , <b>2014</b> , 177, 800-8	3.2	106
265	Images in cardiovascular medicine. Sirolimus-eluting stent implanted in human coronary artery for 16 months: pathological findings. <i>Circulation</i> , <b>2003</b> , 107, 1340-1	16.7	106
264	Plaque Rupture and Plaque Erosion. <i>Thrombosis and Haemostasis</i> , <b>1999</b> , 82, 1-3	7	105
263	Coronary CT angiographic characteristics of culprit lesions in acute coronary syndromes not related to plaque rupture as defined by optical coherence tomography and angioscopy. <i>European Heart Journal</i> , <b>2011</b> , 32, 2814-23	9.5	103
262	Phenotypic modulation of intima and media smooth muscle cells in fatal cases of coronary artery lesion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 326-32	9.4	102
261	The significance of preclinical evaluation of sirolimus-, paclitaxel-, and zotarolimus-eluting stents. <i>American Journal of Cardiology</i> , <b>2007</b> , 100, 36M-44M	3	99
260	Differential expression of oxidation-specific epitopes and apolipoprotein(a) in progressing and ruptured human coronary and carotid atherosclerotic lesions. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 2773-90	6.3	97
259	Identification of a sudden cardiac death susceptibility locus at 2q24.2 through genome-wide association in European ancestry individuals. <i>PLoS Genetics</i> , <b>2011</b> , 7, e1002158	6	95
258	Pathology of Peripheral Artery Disease in Patients With Critical Limb Ischemia. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2152-2163	15.1	94
257	Comparison of pathology of chronic total occlusion with and without coronary artery bypass graft. <i>European Heart Journal</i> , <b>2014</b> , 35, 1683-93	9.5	94



256	Microthrombi as a Major Cause of Cardiac Injury in COVID-19: A Pathologic Study. <i>Circulation</i> , <b>2021</b> , 143, 1031-1042	16.7	94
255	Ex vivo assessment of vascular response to coronary stents by optical frequency domain imaging. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, 71-82	8.4	93
254	Development of a novel prohealing stent designed to deliver sirolimus from a biodegradable abluminal matrix. <i>Circulation: Cardiovascular Interventions</i> , <b>2010</b> , 3, 257-66	6	93
253	Antiangiogenic therapy for normalization of atherosclerotic plaque vasculature: a potential strategy for plaque stabilization. <i>Nature Clinical Practice Cardiovascular Medicine</i> , <b>2007</b> , 4, 491-502		92
252	Bioresorbable Scaffold: The Emerging Reality and Future Directions. <i>Circulation Research</i> , <b>2017</b> , 120, 1341-1352	15.7	89
251	Traditional risk factors and the incidence of sudden coronary death with and without coronary thrombosis in blacks. <i>Circulation</i> , <b>2002</b> , 105, 419-24	16.7	88
250	Elimination of neoangiogenesis for plaque stabilization: is there a role for local drug therapy?. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 2093-101	15.1	85
249	Left atrial appendage obliteration: mechanisms of healing and intracardiac integration. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 870-7	5	83
248	Causes of early stent thrombosis in patients presenting with acute coronary syndrome: an ex vivo human autopsy study. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 2510-2520	15.1	82
247	Activated inflammatory cells are associated with plaque rupture in carotid artery stenosis. <i>Surgery</i> , <b>1997</b> , 122, 757-63; discussion 763-4	3.6	81
246	Morphologic changes in long-term saphenous vein bypass grafts. <i>Chest</i> , <b>1985</b> , 88, 341-8	5.3	81
245	Is pathologic intimal thickening the key to understanding early plaque progression in human atherosclerotic disease?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 986-9	9.4	79
244	Acute Thrombogenicity of a Durable Polymer Everolimus-Eluting Stent Relative to Contemporary Drug-Eluting Stents With Biodegradable Polymer Coatings Assessed Ex Vivo in a Swine Shunt Model. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 1248-1260	5	78
243	Fully bioresorbable vascular scaffolds: lessons learned and future directions. <i>Nature Reviews Cardiology</i> , <b>2019</b> , 16, 286-304	14.8	78
242	Effects of intima stiffness and plaque morphology on peak cap stress. <i>BioMedical Engineering OnLine</i> , <b>2011</b> , 10, 25	4.1	77
241	Late stent expansion and neointimal proliferation of oversized Nitinol stents in peripheral arteries. <i>CardioVascular and Interventional Radiology</i> , <b>2009</b> , 32, 720-6	2.7	77
240	Oxidative stress and pathological changes after coronary artery interventions. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 1471-81	15.1	76
239	Thrombogenicity and early vascular healing response in metallic biodegradable polymer-based and fully bioabsorbable drug-eluting stents. <i>Circulation: Cardiovascular Interventions</i> , <b>2015</b> , 8, e002427	6	72

238	Drug-eluting coronary stents: insights from preclinical and pathology studies. <i>Nature Reviews Cardiology</i> , <b>2020</b> , 17, 37-51	14.8	72
237	Eroded Versus Ruptured Plaques at the Culprit Site of STEMI: In Vivo Pathophysiological Features and Response to Primary PCI. <i>JACC: Cardiovascular Imaging</i> , <b>2015</b> , 8, 566-575	8.4	71
236	Expression of Fas ligand in arteries of hypercholesterolemic rabbits accelerates atherosclerotic lesion formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2000</b> , 20, 298-308	9.4	71
235	Pathological healing response of explanted MitraClip devices. <i>Circulation</i> , <b>2011</b> , 123, 1418-27	16.7	70
234	Proposed Standardized Neurological Endpoints for Cardiovascular Clinical Trials: An Academic Research Consortium Initiative. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 679-691	15.1	69
233	Human autopsy study of drug-eluting stents restenosis: histomorphological predictors and neointimal characteristics. <i>European Heart Journal</i> , <b>2013</b> , 34, 3304-13	9.5	69
232	Percutaneous balloon aortic valvuloplasty revisited: time for a renaissance?. <i>Circulation</i> , <b>2007</b> , 115, e334-6	16.7	69
231	Evaluation of polymer-based comparator drug-eluting stents using a rabbit model of iliac artery atherosclerosis. <i>Circulation: Cardiovascular Interventions</i> , <b>2011</b> , 4, 38-46	6	67
230	Impact of Watchman and Amplatzer devices on left atrial appendage adjacent structures and healing response in a canine model. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 801-9	5	66
229	Hyperfibrinogenemia is associated with specific histocytological composition and complications of atherosclerotic carotid plaques in patients affected by transient ischemic attacks. <i>Circulation</i> , <b>2000</b> , 101, 744-50	16.7	66
228	Decorin promotes aortic smooth muscle cell calcification and colocalizes to calcified regions in human atherosclerotic lesions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2004</b> , 24, 2391-6	9.4	65
227	Preclinical evaluation of drug-eluting stents for peripheral applications: recommendations from an expert consensus group. <i>Circulation</i> , <b>2004</b> , 110, 2498-505	16.7	65
226	Mechanisms of atherothrombosis and vascular response to primary percutaneous coronary intervention in women versus men with acute myocardial infarction: results of the OCTAVIA study. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 958-68	5	64
225	Pioglitazone inhibits in-stent restenosis in atherosclerotic rabbits by targeting transforming growth factor-beta and MCP-1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2007</b> , 27, 182-9	9.4	64
224	Vascular, downstream, and pharmacokinetic responses to treatment with a low dose drug-coated balloon in a swine femoral artery model. <i>Catheterization and Cardiovascular Interventions</i> , <b>2014</b> , 83, 132-40	2.7	63
223	Endothelial cell recovery, acute thrombogenicity, and monocyte adhesion and activation on fluorinated copolymer and phosphorylcholine polymer stent coatings. <i>Biomaterials</i> , <b>2010</b> , 31, 648-57	15.6	63
222	Morphological characteristics of coronary atherosclerosis in diabetes mellitus. <i>Canadian Journal of Cardiology</i> , <b>2006</b> , 22 Suppl B, 81B-84B	3.8	63
221	Definitions and methodology for the grayscale and radiofrequency intravascular ultrasound and coronary angiographic analyses. <i>JACC: Cardiovascular Imaging</i> , <b>2012</b> , 5, S1-9	8.4	62

220	Histopathologic validation of the intravascular ultrasound diagnosis of calcified coronary artery nodules. <i>American Journal of Cardiology</i> , <b>2011</b> , 108, 1547-51	3	62
219	Drug-eluting stent safety: findings from preclinical studies. <i>Expert Review of Cardiovascular Therapy</i> , <b>2008</b> , 6, 1379-91	2.5	62
218	Tissue characterization after drug-eluting stent implantation using optical coherence tomography. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 1376-83	9.4	61
217	Comparison of Acute Thrombogenicity for Metallic and Polymeric Bioabsorbable Scaffolds: Magmaris Versus Absorb in a Porcine Arteriovenous Shunt Model. <i>Circulation: Cardiovascular Interventions</i> , <b>2017</b> , 10,	6	60
216	Comparison of cardiac findings in patients with mitral valve prolapse who die suddenly to those who have congestive heart failure from mitral regurgitation and to those with fatal noncardiac conditions. <i>American Journal of Cardiology</i> , <b>1992</b> , 70, 234-9	3	60
215	Effect of hypertension and cardiac hypertrophy on coronary artery morphology in sudden cardiac death. <i>Circulation</i> , <b>1996</b> , 94, 3138-45	16.7	59
214	Lumen gain and restoration of pulsatility after implantation of a bioresorbable vascular scaffold in porcine coronary arteries. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 688-95	5	58
213	The accumulation of specific types of proteoglycans in eroded plaques: a role in coronary thrombosis in the absence of rupture. <i>Current Opinion in Lipidology</i> , <b>2004</b> , 15, 575-82	4.4	58
212	Anatomo-pathological analysis after CoreValve Revalving system implantation. <i>EuroIntervention</i> , <b>2009</b> , 5, 78-85	3.1	57
211	Aortitis and ascending aortic aneurysm: description of 52 cases and proposal of a histologic classification. <i>Human Pathology</i> , <b>2008</b> , 39, 514-26	3.7	56
210	Effects of oral prednisone after stenting in a rabbit model of established atherosclerosis. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 50, 176-85	15.1	54
209	Left Atrial Appendage Electrical Isolation and Concomitant Device Occlusion to Treat Persistent Atrial Fibrillation: A First-in-Human Safety, Feasibility, and Efficacy Study. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2016</b> , 9,	6.4	52
208	Dose-response effects of 32P radioactive stents in an atherosclerotic porcine coronary model. <i>Circulation</i> , <b>1999</b> , 100, 1548-54	16.7	52
207	A pathobiologic link between risk factors profile and morphological markers of carotid instability. <i>Atherosclerosis</i> , <b>2010</b> , 208, 572-80	3.1	51
206	Histopathological correlates of the napkin-ring sign plaque in coronary CT angiography. <i>Atherosclerosis</i> , <b>2012</b> , 224, 90-6	3.1	50
205	Histogram analysis of lipid-core plaques in coronary computed tomographic angiography: ex vivo validation against histology. <i>Investigative Radiology</i> , <b>2013</b> , 48, 646-53	10.1	50
204	A review of current devices and a look at new technology: drug-eluting stents. <i>Expert Review of Medical Devices</i> , <b>2009</b> , 6, 33-42	3.5	50
203	Increased thin-cap neoatheroma and periprocedural myocardial infarction in drug-eluting stent restenosis: multimodality intravascular imaging of drug-eluting and bare-metal stents. <i>Circulation: Cardiovascular Interventions</i> , <b>2013</b> , 6, 507-17	6	49

202	Free cholesterol in atherosclerotic plaques: where does it come from?. <i>Current Opinion in Lipidology</i> , <b>2007</b> , 18, 500-7	4.4	49
201	Arterial remodeling in the left coronary system: the role of high-density lipoprotein cholesterol. <i>Journal of the American College of Cardiology</i> , <b>1999</b> , 34, 760-7	15.1	49
200	Diversity of macrophage phenotypes and responses in atherosclerosis. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 1919-1932	10.3	48
199	Comparison of Particulate Embolization after Femoral Artery Treatment with IN.PACT Admiral versus Lutonix 035 Paclitaxel-Coated Balloons in Healthy Swine. <i>Journal of Vascular and Interventional Radiology</i> , <b>2016</b> , 27, 1676-1685.e2	2.4	47
198	Statin treatment is not associated with consistent alterations in inflammatory status of carotid atherosclerotic plaques: a retrospective study in 378 patients undergoing carotid endarterectomy. <i>Stroke</i> , <b>2006</b> , 37, 2054-60	6.7	47
197	Virtual Histology Intravascular Ultrasound Assessment of Carotid Artery Disease:The Carotid Artery Plaque Virtual Histology Evaluation (CAPITAL) Study. <i>Journal of Endovascular Therapy</i> , <b>2007</b> , 14, 676-686 <sup>2.5</sup>	2.5	47
196	Methodological standardization for the pre-clinical evaluation of renal sympathetic denervation. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 1184-93	5	46
195	New insights into the role of iron in inflammation and atherosclerosis. <i>EBioMedicine</i> , <b>2019</b> , 47, 598-606	8.8	45
194	Vascular pathology of drug-eluting stents. <i>Herz</i> , <b>2007</b> , 32, 274-80	2.6	45
193	Late arterial responses (6 and 12 months) after (32)P beta-emitting stent placement: sustained intimal suppression with incomplete healing. <i>Circulation</i> , <b>2001</b> , 103, 1912-9	16.7	45
192	Understanding the Impact of Stent and Scaffold Material and Strut Design on Coronary Artery Thrombosis from the Basic and Clinical Points of View. <i>Bioengineering</i> , <b>2018</b> , 5,	5.3	43
191	Pathology of drug-eluting versus bare-metal stents in saphenous vein bypass graft lesions. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 666-74	5	41
190	Pathologic Etiologies of Late and Very Late Stent Thrombosis following First-Generation Drug-Eluting Stent Placement. <i>Thrombosis</i> , <b>2012</b> , 2012, 608593		41
189	Near-Infrared Spectroscopy Enhances Intravascular Ultrasound Assessment of Vulnerable Coronary Plaque: A Combined Pathological and In Vivo Study. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 2423-31	9.4	39
188	Histopathological Differential Diagnosis of 'Optical Coherence Tomographic Image' Interpretation After Stenting. <i>JACC: Cardiovascular Interventions</i> , <b>2016</b> , 9, 2511-2523	5	38
187	Comparison of histopathologic analysis following renal sympathetic denervation over multiple time points. <i>Circulation: Cardiovascular Interventions</i> , <b>2015</b> , 8, e001813	6	38
186	Technology insight: in vivo coronary plaque classification by intravascular ultrasonography radiofrequency analysis. <i>Nature Clinical Practice Cardiovascular Medicine</i> , <b>2008</b> , 5, 219-29		38
185	Natural History of Diabetic Coronary Atherosclerosis by Quantitative Measurement of Serial Coronary Computed Tomographic Angiography: Results of the PARADIGM Study. <i>JACC: Cardiovascular Imaging</i> , <b>2018</b> , 11, 1461-1471	8.4	38

184	Vascular diseases: aortitis, aortic aneurysms, and vascular calcification. <i>Cardiovascular Pathology</i> , <b>2016</b> , 25, 432-41	3.8	36
183	Recent highlights of ATVB: calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1329-32	3.2	34
182	Definitions and Clinical Trial Design Principles for Coronary Artery Chronic Total Occlusion Therapies: CTO-ARC Consensus Recommendations. <i>Circulation</i> , <b>2021</b> , 143, 479-500	16.7	34
181	Controlled circumferential renal sympathetic denervation with preservation of the renal arterial wall using intraluminal ultrasound: a next-generation approach for treating sympathetic overactivity. <i>EuroIntervention</i> , <b>2015</b> , 10, 1230-8	3.1	34
180	Small black holes in optical frequency domain imaging matches intravascular neoangiogenesis formation in histology. <i>European Heart Journal</i> , <b>2010</b> , 31, 1889	9.5	33
179	High-risk carotid plaque: lessons learned from histopathology. <i>Seminars in Vascular Surgery</i> , <b>2017</b> , 30, 31-43	1.2	32
178	Histopathologic analysis of in-stent neointimal regression in a porcine coronary model. <i>Coronary Artery Disease</i> , <b>2000</b> , 11, 273-7	1.4	32
177	Coronary artery lumen volume measurement using three-dimensional intravascular ultrasound: validation of a new technique. <i>Catheterization and Cardiovascular Diagnosis</i> , <b>1994</b> , 33, 214-20		32
176	Histological Findings and Predictors of Cerebral Debris From Transcatheter Aortic Valve Replacement: The ALSTER Experience. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	32
175	Coronary Computed Tomography Angiography From Clinical Uses to Emerging Technologies: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1226-1243	15.1	31
174	Pathobiology of stent thrombosis after drug-eluting stent implantation. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 4064-71	3.3	29
173	Pathology of atherosclerosis and stenting. <i>Neuroimaging Clinics of North America</i> , <b>2007</b> , 17, 285-301, vii	3	29
172	Systematic Evaluation of the Cellular Innate Immune Response During the Process of Human Atherosclerosis. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	28
171	Histopathologic Characterization of Peripheral Arteries in Subjects With Abundant Risk Factors: Correlating Imaging With Pathology. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 1501-1513	8.4	28
170	Linking Hemorrhage, Angiogenesis, Macrophages, and Iron Metabolism in Atherosclerotic Vascular Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, e33-e39	9.4	27
169	Stent-based delivery of ABT-578 via a phosphorylcholine surface coating reduces neointimal formation in the porcine coronary model. <i>Catheterization and Cardiovascular Interventions</i> , <b>2005</b> , 65, 227-32	2.7	26
168	The degree of neointimal formation after stent placement in atherosclerotic rabbit iliac arteries is dependent on the underlying plaque. <i>Cardiovascular Pathology</i> , <b>1999</b> , 8, 73-80	3.8	26
167	Calcium deposition within coronary atherosclerotic lesion: Implications for plaque stability. <i>Atherosclerosis</i> , <b>2020</b> , 306, 85-95	3.1	26

166	Comparison of Biologic Effect and Particulate Embolization after Femoral Artery Treatment with Three Drug-Coated Balloons in Healthy Swine Model. <i>Journal of Vascular and Interventional Radiology</i> , <b>2019</b> , 30, 103-109	2.4	25
165	Preclinical evaluation of second-generation everolimus- and zotarolimus-eluting coronary stents. <i>Journal of Invasive Cardiology</i> , <b>2013</b> , 25, 383-90	0.7	25
164	Hepcidin-ferroportin axis controls toll-like receptor 4 dependent macrophage inflammatory responses in human atherosclerotic plaques. <i>Atherosclerosis</i> , <b>2015</b> , 241, 692-700	3.1	24
163	Acute coronary syndromes without coronary plaque rupture. <i>Nature Reviews Cardiology</i> , <b>2016</b> , 13, 257-65	4.8	24
162	Leptin locally synthesized in carotid atherosclerotic plaques could be associated with lesion instability and cerebral emboli. <i>Journal of the American Heart Association</i> , <b>2012</b> , 1, e001727	6	24
161	Granulomatous 'foreign body reactions' contribute to exaggerated in-stent restenosis. <i>Coronary Artery Disease</i> , <b>1999</b> , 10, 9-14	1.4	24
160	Iterative image reconstruction algorithms in coronary CT angiography improve the detection of lipid-core plaque--a comparison with histology. <i>European Radiology</i> , <b>2015</b> , 25, 15-23	8	23
159	Additive Value of Integrated Backscatter IVUS for Detection of Vulnerable Plaque by Optical Frequency Domain Imaging: An Ex Vivo Autopsy Study of Human Coronary Arteries. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 163-72	8.4	23
158	Is the left atrial appendage more than a simple appendage?. <i>Catheterization and Cardiovascular Interventions</i> , <b>2009</b> , 74, 234-42	2.7	23
157	Bioresorption and Vessel Wall Integration of a Fully Bioresorbable Polymeric Everolimus-Eluting Scaffold: Optical Coherence Tomography, Intravascular Ultrasound, and Histological Study in a Porcine Model With 4-Year Follow-Up. <i>JACC: Cardiovascular Interventions</i> , <b>2016</b> , 9, 838-851	5	22
156	Direct Targeting of the mTOR (Mammalian Target of Rapamycin) Kinase Improves Endothelial Permeability in Drug-Eluting Stents-Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 2217-2224	9.4	22
155	Pharmacotherapy of coronary atherosclerosis. <i>Expert Opinion on Pharmacotherapy</i> , <b>2009</b> , 10, 1587-603	4	22
154	Vascular responses to coronary calcification following implantation of newer-generation drug-eluting stents in humans: impact on healing. <i>European Heart Journal</i> , <b>2020</b> , 41, 786-796	9.5	22
153	Calcified Nodule: An Early and Late Cause of In-Stent Failure. <i>JACC: Cardiovascular Interventions</i> , <b>2016</b> , 9, e125-6	5	22
152	Debris Heterogeneity Across Different Valve Types Captured by a Cerebral Protection System During Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 1262-1273	5	22
151	Endothelial Barrier Protein Expression in Biodegradable Polymer Sirolimus-Eluting Versus Durable Polymer Everolimus-Eluting Metallic Stents. <i>JACC: Cardiovascular Interventions</i> , <b>2017</b> , 10, 2375-2387	5	20
150	Very Late Pathological Responses to Cobalt-Chromium Everolimus-Eluting, Stainless Steel Sirolimus-Eluting, and Cobalt-Chromium Bare Metal Stents in Humans. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	20
149	Biomechanics and inflammation in atherosclerotic plaque erosion and plaque rupture: implications for cardiovascular events in women. <i>PLoS ONE</i> , <b>2014</b> , 9, e111785	3.7	20



148	Vascular healing and integration of a fully bioresorbable everolimus-eluting scaffold in a rabbit iliac arterial model. <i>EuroIntervention</i> , <b>2014</b> , 10, 833-41	3.1	20
147	Stent Coating Integrity of Durable and Biodegradable Coated Drug Eluting Stents. <i>Journal of Interventional Cardiology</i> , <b>2016</b> , 29, 483-490	1.8	20
146	Histology of debris captured by a cerebral protection system during transcatheter valve-in-valve implantation. <i>Heart</i> , <b>2016</b> , 102, 1573-80	5.1	20
145	Expression Associates With Inflammation in Early Atherosclerosis in Humans and Can Be Therapeutically Silenced to Reduce NF- $\kappa$ B Activation and Atherogenesis in Mice. <i>Circulation</i> , <b>2021</b> , 143, 163-177	16.7	20
144	Significant Differences in Debris Captured by the Sentinel Dual-Filter Cerebral Embolic Protection During Transcatheter Aortic Valve Replacement Among Different Valve Types. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 1683-1693	5	19
143	Acute thrombogenicity of fluoropolymer-coated versus biodegradable and polymer-free stents. <i>EuroIntervention</i> , <b>2019</b> , 14, 1685-1693	3.1	19
142	Preclinical evaluation of a novel polyphosphazene surface modified stent. <i>International Journal of Cardiology</i> , <b>2016</b> , 222, 217-225	3.2	19
141	Ultrasonic and pathological evidence of a neo-intimal plaque rupture in patients with bare metal stents. <i>EuroIntervention</i> , <b>2007</b> , 3, 290-1	3.1	18
140	The effects of plaque morphology and material properties on peak cap stress in human coronary arteries. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , <b>2016</b> , 19, 771-9	2.1	17
139	Pathology and vulnerability of atherosclerotic plaque: identification, treatment options, and individual patient differences for prevention of stroke. <i>Current Treatment Options in Cardiovascular Medicine</i> , <b>2010</b> , 12, 297-314	2.1	17
138	Multiple simultaneous plaque erosion in 3 coronary arteries. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 1172-4	2.4	16
137	The role of oxidized phospholipids, lipoprotein (a) and biomarkers of oxidized lipoproteins in chronically occluded coronary arteries in sudden cardiac death and following successful percutaneous revascularization. <i>Cardiovascular Revascularization Medicine</i> , <b>2012</b> , 13, 11-9	1.6	16
136	Computational Fluid Dynamics Simulations of Hemodynamics in Plaque Erosion. <i>Cardiovascular Engineering and Technology</i> , <b>2013</b> , 4, 464	2.2	16
135	Carotid plaque stabilization and progression after stroke or TIA. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 3-6	9.4	16
134	Thromboresistance and functional healing in the COBRA PzF stent versus competitor DES: implications for dual antiplatelet therapy. <i>EuroIntervention</i> , <b>2019</b> , 15, e342-e353	3.1	16
133	In vitro and in vivo characterisation of biodegradable polymer-based drug-eluting stent. <i>EuroIntervention</i> , <b>2011</b> , 7, 835-43	3.1	16
132	Pathology of self-expanding transcatheter aortic valves: Findings from the CoreValve US pivotal trials. <i>Catheterization and Cardiovascular Interventions</i> , <b>2018</b> , 91, 947-955	2.7	15
131	A new murine model of stress-induced complex atherosclerotic lesions. <i>DMM Disease Models and Mechanisms</i> , <b>2013</b> , 6, 323-31	4.1	15

130	Multimodality imaging atlas of coronary atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , <b>2010</b> , 3, 876-80	8.4	15
129	A Boosted Ensemble Algorithm for Determination of Plaque Stability in High-Risk Patients on Coronary CTA. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 2162-2173	8.4	15
128	Eruptive Calcified Nodules as a Potential Mechanism of Acute Coronary Thrombosis and Sudden Death. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 77, 1599-1611	15.1	15
127	Pathology of balloon-expandable transcatheter aortic valves. <i>Catheterization and Cardiovascular Interventions</i> , <b>2017</b> , 90, 1048-1057	2.7	14
126	Neoatherosclerosis From a Pathologist's Point of View. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, e43-9	9.4	14
125	Are characteristics of plaque erosion defined by optical coherence tomography similar to true erosion in pathology?. <i>European Heart Journal</i> , <b>2018</b> , 39, 2086-2089	9.5	14
124	Biologic Drug Effect and Particulate Embolization of Drug-Eluting Stents versus Drug-Coated Balloons in Healthy Swine Femoropopliteal Arteries. <i>Journal of Vascular and Interventional Radiology</i> , <b>2018</b> , 29, 1041-1049.e3	2.4	14
123	ACE2 (Angiotensin-Converting Enzyme 2) and TMPRSS2 (Transmembrane Serine Protease 2) Expression and Localization of SARS-CoV-2 Infection in the Human Heart. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 542-544	9.4	14
122	Pathological mechanisms of left main stent failure. <i>International Journal of Cardiology</i> , <b>2018</b> , 263, 9-16	3.2	14
121	Intravascular ultrasound and near-infrared spectroscopic features of coronary lesions with intraplaque haemorrhage. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2017</b> , 18, 1222-1228	4.1	13
120	Histopathology of vascular response to drug-eluting stents: an insight from human autopsy into daily practice. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2015</b> , 30, 1-11	2.5	13
119	Classification of coronary atherosclerotic plaques ex vivo with T1, T2, and ultrashort echo time CMR. <i>JACC: Cardiovascular Imaging</i> , <b>2013</b> , 6, 466-74	8.4	13
118	Inhibition of experimental neointimal hyperplasia and neoatherosclerosis by local, stent-mediated delivery of everolimus. <i>Journal of Vascular Surgery</i> , <b>2012</b> , 56, 1680-8	3.5	13
117	Coronary artery calcification: recent developments in our understanding of its pathologic and clinical significance. <i>Current Opinion in Cardiology</i> , <b>2018</b> , 33, 645-652	2.1	13
116	Pathology of Chronic Total Occlusion in Bare-Metal Versus Drug-Eluting Stents: Implications for Revascularization. <i>JACC: Cardiovascular Interventions</i> , <b>2017</b> , 10, 367-378	5	12
115	Intravascular Ultrasound and Near-Infrared Spectroscopic Characterization of Thin-Cap Fibroatheroma. <i>American Journal of Cardiology</i> , <b>2017</b> , 119, 372-378	3	12
114	Omnipresent atherosclerotic disease: time to depart from analysis of individual vascular beds. <i>Mount Sinai Journal of Medicine</i> , <b>2012</b> , 79, 641-53		12
113	Biomechanical modeling and morphology analysis indicates plaque rupture due to mechanical failure unlikely in atherosclerosis-prone mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 304, H473-86	5.2	12

112	Sudden cardiac death not related to coronary atherosclerosis. <i>Toxicologic Pathology</i> , <b>2006</b> , 34, 52-7	2.1	12
111	Paclitaxel-iodomide coated balloon followed by "bail-out" bare metal stent in porcine iliofemoral arteries: first report on biological effects in peripheral circulation. <i>EuroIntervention</i> , <b>2011</b> , 7, 362-8	3.1	12
110	The clinical challenge of disappearing stents. <i>Lancet, The</i> , <b>2016</b> , 387, 510-512	4.0	11
109	Clinical implications of blood-material interaction and drug eluting stent polymers in review. <i>Expert Review of Medical Devices</i> , <b>2017</b> , 14, 707-716	3.5	11
108	Comparison of a Drug-Free Early Programmed Dismantling PDLLA Bioresorbable Scaffold and a Metallic Stent in a Porcine Coronary Artery Model at 3-Year Follow-Up. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	10
107	Evaluation of chemical stability of polymers of XIENCE everolimus-eluting coronary stents in vivo by pyrolysis-gas chromatography/mass spectrometry. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2018</b> , 106, 1721-1729	3.5	10
106	Everolimus-eluting stents improve vascular response in a diabetic animal model. <i>Circulation: Cardiovascular Interventions</i> , <b>2014</b> , 7, 526-32	6	10
105	Rate of Drug Coating Dissolution Determines In-Tissue Drug Retention and Durability of Biological Efficacy. <i>Journal of Drug Delivery</i> , <b>2019</b> , 2019, 9560592	2.3	9
104	Evidence of a topographical link between unstable carotid plaques and luminal stenosis: can we better stratify asymptomatic patients with significant plaque burden?. <i>International Journal of Cardiology</i> , <b>2012</b> , 155, 309-11	3.2	9
103	Safety of Zilver PTX Drug-Eluting Stent Implantation Following Drug-Coated Balloon Dilatation in a Healthy Swine Model. <i>Journal of Endovascular Therapy</i> , <b>2018</b> , 25, 118-126	2.5	9
102	Revisiting the role of durable polymers in cardiovascular devices. <i>Expert Review of Cardiovascular Therapy</i> , <b>2017</b> , 15, 835-846	2.5	8
101	Late coronary BVS malapposition and aneurysm: A Time for Appraisal. <i>Catheterization and Cardiovascular Interventions</i> , <b>2015</b> , 86, 678-81	2.7	8
100	Current trends in the classification of sudden cardiac death based on autopsy derived data: a review of investigations into the etiology of sudden cardiac death. <i>Revista Espanola De Cardiologia</i> , <b>2011</b> , 64, 10-2	1.5	8
99	Letter by Nakano et Al regarding article, "optical coherence tomographic analysis of in-stent neoatherosclerosis after drug-eluting stent implantation". <i>Circulation</i> , <b>2011</b> , 124, e954; author reply e955	16.7	8
98	Sex Differences in Compositional Plaque Volume Progression in Patients With Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , <b>2020</b> , 13, 2386-2396	8.4	8
97	Optical coherence tomography in coronary atherosclerosis assessment and intervention.. <i>Nature Reviews Cardiology</i> , <b>2022</b> ,	14.8	8
96	Metallic Coronary Stents: Is There a Relationship Between Stent Fracture and Hypersensitivity?. <i>JACC: Cardiovascular Interventions</i> , <b>2017</b> , 10, 1175-1177	5	7
95	Comparison of renal artery, soft tissue, and nerve damage after irrigated versus nonirrigated radiofrequency ablation. <i>Circulation: Cardiovascular Interventions</i> , <b>2015</b> , 8,	6	7

94	A new category stent with novel polyphosphazene surface modification. <i>Future Cardiology</i> , <b>2018</b> , 14, 225-235	1.3	7
93	Histopathologic and physiologic effect of overlapping vs single coronary stents: impact of stent evolution. <i>Expert Review of Medical Devices</i> , <b>2018</b> , 15, 665-682	3.5	7
92	A pathologic study of explanted parachute devices from seven heart failure patients following percutaneous ventricular restoration. <i>Catheterization and Cardiovascular Interventions</i> , <b>2014</b> , 83, 619-30	2.7	7
91	Optimization of coronary optical coherence tomography imaging using the attenuation-compensated technique: a validation study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2017</b> , 18, 880-887	4.1	7
90	Detection of cholesterol crystals by optical coherence tomography. <i>EuroIntervention</i> , <b>2020</b> , 16, 395-403	3.1	6
89	Introduction to the Pathology of Carotid Atherosclerosis: Histologic Classification and Imaging Correlation <b>2011</b> , 3-35		6
88	Embolic stroke after carotid stenting: microscopic computed tomography analysis of en bloc surgical specimen demonstrating ulceration. <i>Circulation</i> , <b>2010</b> , 121, 1661-3	16.7	5
87	The complementary role of microCT and histopathology in characterizing the natural history of stented arteries. <i>Expert Review of Cardiovascular Therapy</i> , <b>2011</b> , 9, 939-48	2.5	5
86	Edge stenosis after intracoronary radiotherapy: angiographic, intravascular, and histological findings. <i>Circulation</i> , <b>2001</b> , 103, 2219-20	16.7	5
85	Two-year longitudinal evaluation of a second-generation thin-strut sirolimus-eluting bioresorbable coronary scaffold with hybrid cell design in porcine coronary arteries. <i>Cardiology Journal</i> , <b>2020</b> , 27, 115-125	1.4	5
84	What atherosclerosis findings can CT see in sudden coronary death: Plaque rupture versus plaque erosion. <i>Journal of Cardiovascular Computed Tomography</i> , <b>2020</b> , 14, 214-218	2.8	5
83	IN.PACTAdmiralDrug-coated balloons in peripheral artery disease: current perspectives. <i>Medical Devices: Evidence and Research</i> , <b>2019</b> , 12, 53-64	1.5	4
82	Healthy Strut Coverage After Coronary Stent Implantation: An Ex Vivo Human Autopsy Study. <i>Circulation: Cardiovascular Interventions</i> , <b>2020</b> , 13, e008869	6	4
81	Histopathologic and physiologic effect of bifurcation stenting: current status and future prospects. <i>Expert Review of Medical Devices</i> , <b>2020</b> , 17, 189-200	3.5	4
80	Matching human pathology is essential for validating OCT imaging to detect high-risk plaques. <i>Nature Reviews Cardiology</i> , <b>2014</b> , 11, 638	14.8	4
79	Pathology of Saphenous Vein Grafts. <i>Interventional Cardiology Clinics</i> , <b>2013</b> , 2, 241-249	1.4	4
78	What are the Pathological Concerns and Limitations of Current Drug-coated Balloon Technology?. <i>Heart International</i> , <b>2019</b> , 13, 15	0.3	4
77	Pathophysiology of Coronary Artery Disease <b>2020</b> , 211-227		4

76	Vascular Response of a Polymer-Free Paclitaxel-Coated Stent (Zilver PTX) versus a Polymer-Coated Paclitaxel-Eluting Stent (Eluvia) in Healthy Swine Femoropopliteal Arteries. <i>Journal of Vascular and Interventional Radiology</i> , <b>2021</b> , 32, 792-801.e5	2.4	4
75	Stenting of Spontaneous Coronary Artery Dissection From a Pathological Point of View. <i>Circulation: Cardiovascular Interventions</i> , <b>2016</b> , 9,	6	4
74	Comprehensive Assessment of Human Accessory Renal Artery Periarterial Renal Sympathetic Nerve Distribution. <i>JACC: Cardiovascular Interventions</i> , <b>2021</b> , 14, 304-315	5	4
73	Micro-Computed Tomography Demonstration of Multiple Plaque Ruptures in a Single Individual Presenting With Sudden Cardiac Death. <i>Circulation: Cardiovascular Imaging</i> , <b>2018</b> , 11, e008331	3.9	4
72	Endothelial Cell Coverage on the Leaflet After Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Imaging</i> , <b>2019</b> , 12, 566-567	8.4	3
71	Multimodality Imaging Showing Pathology of Endovascular Aortic Graft for Abdominal Aortic Aneurysm. <i>Circulation: Cardiovascular Imaging</i> , <b>2019</b> , 12, e009183	3.9	3
70	Bioresorbable vascular scaffolds: implication of very late scaffold thrombosis. <i>Coronary Artery Disease</i> , <b>2017</b> , 28, 533-538	1.4	3
69	The spectrum of mitral valve pathologies: relevance for surgical and structural interventions. <i>Expert Review of Cardiovascular Therapy</i> , <b>2017</b> , 15, 525-535	2.5	3
68	Impact of smoking on coronary heart disease: is there a smoker's paradox?. <i>Coronary Artery Disease</i> , <b>2015</b> , 26, 466-8	1.4	3
67	Expectations and limitations of contemporary intravascular imaging: lessons learned from pathology. <i>Expert Review of Cardiovascular Therapy</i> , <b>2014</b> , 12, 601-11	2.5	3
66	Optical frequency domain imaging of stent fracture and coronary dissection associated with intraplaque hemorrhage. <i>JACC: Cardiovascular Interventions</i> , <b>2011</b> , 4, 1047-8	5	3
65	Latest on the pathology of drug-eluting stents. <i>Interventional Cardiology</i> , <b>2009</b> , 1, 165-174	3	3
64	Intracoronary imaging for the diagnosis of the underlying substrate and clinical management of acute coronary syndromes: from evidence to expert consensus and back!. <i>EuroIntervention</i> , <b>2019</b> , 15, 392-395	3.1	3
63	Comparison of acute thrombogenicity and albumin adsorption in three different durable polymer coronary drug-eluting stents. <i>EuroIntervention</i> , <b>2021</b> , 17, 248-256	3.1	3
62	Thromboresistance and endothelial healing in polymer-coated versus polymer-free drug-eluting stents: Implications for short-term dual anti-platelet therapy. <i>International Journal of Cardiology</i> , <b>2021</b> , 327, 52-57	3.2	3
61	Risk prediction of in-stent restenosis among patients with coronary drug-eluting stents: current clinical approaches and challenges. <i>Expert Review of Cardiovascular Therapy</i> , <b>2021</b> , 19, 801-816	2.5	3
60	Histopathologic analysis of extracted thrombi from deep venous thrombosis and pulmonary embolism: Mechanisms and timing. <i>Catheterization and Cardiovascular Interventions</i> , <b>2021</b> , 97, 1422-1429	2.7	3
59	Coronary pathology of inherited generalized arterial calcification of infancy: a case report. <i>Cardiovascular Pathology</i> , <b>2018</b> , 36, 15-19	3.8	3

58	Pathology and Pathophysiology of Coronary Atherosclerotic Plaques. <i>Contemporary Medical Imaging</i> , <b>2019</b> , 211-226	0.1	2
57	Advances in mammalian target of rapamycin kinase inhibitors: application to devices used in the treatment of coronary artery disease. <i>Future Medicinal Chemistry</i> , <b>2020</b> , 12, 1181-1195	4.1	2
56	Impact of Coronary Atherosclerosis on Bioresorbable Vascular Scaffold Resorption and Vessel Wall Integration. <i>JACC Basic To Translational Science</i> , <b>2020</b> , 5, 619-629	8.7	2
55	The Leaflex Catheter [A Novel Device for Treating Calcific Aortic Stenosis] First-in-Human Intra-Operative Assessment of Safety and Efficacy. <i>Structural Heart</i> , <b>2020</b> , 4, 221-229	0.6	2
54	Are Microcalcification and Hemosiderin Really Limitations of OCT in Detection of TCFA?. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 215	8.4	2
53	Clinical use of optical coherence tomography to identify angiographic silent stent thrombosis. <i>Scandinavian Cardiovascular Journal</i> , <b>2014</b> , 48, 156-60	2	2
52	Drug-eluting stent implantation may not affect vasomotor function in early phase. <i>Journal of the American College of Cardiology</i> , <b>2008</b> , 51, 1124-5; author reply 1125	15.1	2
51	The role of endomyocardial biopsy in the management of cardiovascular disease: a Scientific Statement from the American Heart Association, the American College of Cardiology, and the European Society of Cardiology: reply. <i>European Heart Journal</i> , <b>2008</b> , 29, 1696-1697	9.5	2
50	Nonatherosclerotic Vascular Disease in Women. <i>Texas Heart Institute Journal</i> , <b>2018</b> , 45, 233-235	0.8	2
49	Native Coronary Artery and Bypass Graft Atherosclerosis <b>2015</b> , 273-301		2
48	Comparison of Endothelial Barrier Functional Recovery After Implantation of a Novel Biodegradable-Polymer Sirolimus-Eluting Stent in Comparison to Durable- and Biodegradable-Polymer Everolimus-Eluting Stents. <i>Cardiovascular Revascularization Medicine</i> , <b>2021</b> , 24, 1-10	1.6	2
47	Co-Registration of Peripheral Atherosclerotic Plaques Assessed by Conventional CT Angiography, MicroCT and Histology in Patients with Chronic Limb Threatening Ischaemia. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2021</b> , 61, 146-154	2.3	2
46	Atherogenesis: The Development of Stable and Unstable Plaques <b>2017</b> , 21-37		2
45	Insights into very late stent thrombosis from the wisdom of pathology. <i>Journal of Invasive Cardiology</i> , <b>2014</b> , 26, 417-9	0.7	2
44	Evaluation and Management of the Vulnerable Plaque. <i>Current Cardiovascular Risk Reports</i> , <b>2019</b> , 13, 1	0.9	1
43	Pathology and Multimodality Imaging of Acute and Chronic Femoral Stenting in Humans. <i>JACC: Cardiovascular Interventions</i> , <b>2020</b> , 13, 418-427	5	1
42	Evaluation of Vulnerable Atherosclerotic Plaques. <i>Cardiovascular Medicine</i> , <b>2015</b> , 409-419	0.1	1
41	How Do OCT and IVUS Compare to Histology in Coronary Atherosclerosis and Stenting?. <i>Current Cardiovascular Imaging Reports</i> , <b>2012</b> , 5, 249-263	0.7	1



40	A novel polymer-free ciglitazone-coated vascular stent: in vivo and ex vivo analysis of stent endothelialization in a rabbit iliac artery model. <i>Oncotarget</i> , <b>2016</b> , 7, 57571-57580	3.3	1
39	Transcriptomic-based clustering of advanced atherosclerotic plaques identifies subgroups of plaques with differential underlying biology that associate with clinical presentation		1
38	Paclitaxel- and Sirolimus-coated Balloons in Peripheral Artery Disease Treatment: Current Perspectives and Concerns. <i>Vascular and Endovascular Review</i> ,4,	0.6	1
37	Anticytomegalovirus CD4 T Cells Are Associated With Subclinical Atherosclerosis in Persons With HIV. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 1459-1473	9.4	1
36	Automated Histological Segmentation on Micro Computed Tomography Images of Atherosclerotic Arteries. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2021</b> , 61, 714-715	2.3	1
35	Efficacy and safety of cerebral embolic protection systems during transcatheter aortic valve replacement: a review of current clinical findings. <i>Expert Review of Cardiovascular Therapy</i> , <b>2021</b> , 19, 725-737	2.5	1
34	Genetic Variants Are Associated With Increased Risk of Coronary Atherosclerotic Plaque Rupture in the Black Population. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 2201-2214	9.4	1
33	Biovascular scaffolds and reversible coronary aneurysm. <i>International Journal of Cardiology</i> , <b>2016</b> , 214, 225-7	3.2	1
32	Endothelial Recovery in Bare Metal Stents and Drug-Eluting Stents on a Single-Cell Level. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2021</b> , 41, 2277-2292	9.4	1
31	Acute thrombogenicity of fluoropolymer coated stents versus competitive drug-eluting stents under single antiplatelet therapy. <i>International Journal of Cardiology</i> , <b>2021</b> , 338, 42-49	3.2	1
30	Characterization of Cerebral Embolic Capture Using the SENTINEL Device During Transcatheter Aortic Valve Implantation in Low to Intermediate-Risk Patients: The SENTINEL-LIR Study.. <i>Circulation: Cardiovascular Interventions</i> , <b>2022</b> , CIRCINTERVENTIONS121011358	6	1
29	Autopsy findings of left atrial appendage closure device. <i>Cardiovascular Pathology</i> , <b>2022</b> , 56, 107384	3.8	0
28	Intravascular imaging and histological correlates of medial and intimal calcification in peripheral artery disease. <i>EuroIntervention</i> , <b>2021</b> , 17, e688-e698	3.1	0
27	Sex Differences in Coronary Atherosclerosis.. <i>Current Atherosclerosis Reports</i> , <b>2022</b> , 24, 23	6	0
26	Generalized Arterial Calcification of Infancy (GACI): Optimizing Care with a Multidisciplinary Approach. <i>Journal of Multidisciplinary Healthcare</i> , Volume 15, 1261-1276	2.8	0
25	Coronary calcification and atherosclerosis progression <b>2019</b> , 27-45		
24	Atherosclerosis, Introduction and Pathophysiology <b>2015</b> , 527-546		
23	Very late stent thrombosis in Ostia of the bifurcation lesion: correlation of computed tomographic imaging with histology. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2021</b> , 36, 389-391	2.5	

22	Biodegradable polymer drug-eluting stents: non-inferiority waiting for superiority?. <i>Lancet, The</i> , <b>2016</b> , 388, 2567-2568	4.0
21	Modelos animales de reparaci3n vascular y reendotelizaci3n. <i>Revista Espanola De Cardiologia Suplementos</i> , <b>2013</b> , 13, 20-28	0.2
20	Pulmonary veno-occlusive disease: a rare cause of pulmonary hypertension. <i>American Journal of Pathology</i> , <b>2015</b> , 185, 302-4	5.8
19	Vascular Pathology and Interventional Treatments <b>2014</b> , 1-25	
18	Is Stenting an Appropriate Therapy in Women Presenting with Acute Coronary Syndrome? A Pathologist's Perspective. <i>Interventional Cardiology Clinics</i> , <b>2012</b> , 1, 213-221	1.4
17	Current Trends in the Classification of Sudden Cardiac Death Based on Autopsy Derived Data: A Review of Investigations Into the Etiology of Sudden Cardiac Death. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2011</b> , 64, 10-12	0.7
16	Atherosclerotic Plaque Angiogenesis as a Mechanism of Intraplaque Hemorrhage and Acute Coronary Rupture <b>2010</b> , 213-236	
15	Transcatheter aortic valve failure: the impact of calcification <b>2022</b> , 743-764	
14	Basic Pathology of Arterial and Valvular Calcification in Humans. <i>Contemporary Cardiology</i> , <b>2020</b> , 13-45	0.1
13	Vascular Pathology and Interventional Treatments <b>2015</b> , 303-325	
12	What Is the Optimal Stent Design? [The Pathologist's] Opinion <b>2015</b> , 287-305	
11	Imaging of High-Risk Atherosclerotic Plaques <b>2018</b> , 101-120	
10	PLA scaffold <b>2017</b> , 96-116	
9	Gross and histologic findings after MitraClip® placement <b>2012</b> , 160-172	
8	Current concepts of plaque formation and the progression of atherosclerosis <b>2012</b> , 1-10	
7	Insights into the Natural History of Atherosclerosis Progression <b>2013</b> , 3-12	
6	Native Coronary Artery and Bypass Graft Atherosclerosis <b>2014</b> , 1-31	
5	The Pathologist Perspective <b>2021</b> , 237-251	

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3 Histopathology of Cardiovascular Thrombus **2018**, 1-13

2 Paradise<sup>®</sup> Ultrasound Renal Denervation System for the treatment of hypertension. *Future Cardiology*, **2021**, 17, 931-944 1.3

1 Early spontaneous reperfusion after acute myocardial infarction: true association with plaque phenotype or simple clinical observation?. *EuroIntervention*, **2021**, 17, e613-e615 3.1