

Yiannis S Chatzizisis

List of Publications by Year in descending order

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Version: 2024-02-01

152
papers

6,610
citations

101384

36
h-index

66788

78
g-index

152
all docs

152
docs citations

152
times ranked

7657
citing authors

#	ARTICLE	IF	CITATIONS
1	Definitions and Standardized Endpoints for Treatment of Coronary Bifurcations. <i>EuroIntervention</i> , 2023, 19, e807-e831.	1.4	5
2	Real time reduced order model for angiography fractional flow reserve. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 216, 106674.	2.6	4
3	Case Report: ST-Elevation Myocardial Infarction Secondary to Acute Atherothrombotic Occlusion Treated With No Stent Strategy. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 834676.	1.1	0
4	First-in-Human Computational Preprocedural Planning of Left Main Interventions Using a New Everolimus-Eluting Stent. <i>JACC: Case Reports</i> , 2022, 4, 325-335.	0.3	3
5	Triggering receptor expressed on myeloid cells-1 (TREM-1) inhibition in atherosclerosis. , 2022, 238, 108182.		7
6	Practice Patterns in the Interventional Treatment of Coronary Bifurcation Lesions: A Global Survey.. <i>Journal of Invasive Cardiology</i> , 2022, 34, E43-E48.	0.4	1
7	Case Report: Invasive and Non-invasive Hemodynamic Assessment of Coronary Artery Disease: Strengths and Weaknesses. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 885249.	1.1	1
8	Treatment of coronary bifurcation lesions, part I: implanting the first stent in the provisional pathway. The 16th expert consensus document of the European Bifurcation Club. <i>EuroIntervention</i> , 2022, 18, e362-e376.	1.4	43
9	Treatment of coronary bifurcation lesions, part II: implanting two stents. The 16th expert consensus document of the European Bifurcation Club. <i>EuroIntervention</i> , 2022, 18, 457-470.	1.4	42
10	Definitions and Standardized Endpoints for Treatment of Coronary Bifurcations. <i>Journal of the American College of Cardiology</i> , 2022, 80, 63-88.	1.2	25
11	Coronary computed tomography angiography in asymptomatic patients: Still a taboo or precision medicine?. <i>Atherosclerosis</i> , 2021, 317, 47-49.	0.4	6
12	Meta-Analysis of Transradial vs Transfemoral Access for Percutaneous Coronary Intervention in Patients With ST Elevation Myocardial Infarction. <i>American Journal of Cardiology</i> , 2021, 141, 23-30.	0.7	13
13	Myocardial infarction secondary to coronary embolus in a patient with left ventricular non-compaction cardiomyopathy: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab077.	0.3	1
14	The stenotic vulnerable plaque: Identifying the substrate of acute coronary syndromes. <i>Atherosclerosis</i> , 2021, 320, 95-97.	0.4	3
15	Percutaneous coronary intervention for bifurcation coronary lesions: the 15 th consensus document from the European Bifurcation Club. <i>EuroIntervention</i> , 2021, 16, 1307-1317.	1.4	147
16	Blunt Chest Trauma Presenting with Acute Coronary Event. <i>Oman Medical Journal</i> , 2021, 36, e275-e275.	0.3	0
17	Local fluid dynamics in patients with bifurcated coronary lesions undergoing percutaneous coronary interventions. <i>Cardiology Journal</i> , 2021, 28, 321-329.	0.5	18
18	Computational and experimental mechanical performance of a new everolimus-eluting stent purpose-built for left main interventions. <i>Scientific Reports</i> , 2021, 11, 8728.	1.6	15

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19	Renal Sympathetic Denervation Does Not Consistently Affect Renal Input Impedance. FASEB Journal, 2021, 35, .	0.2	0
20	Study of Coronary Atherosclerosis Using Blood Residence Time. Frontiers in Physiology, 2021, 12, 625420.	1.3	10
21	Three dimensional reconstruction of coronary artery stents from optical coherence tomography: experimental validation and clinical feasibility. Scientific Reports, 2021, 11, 12252.	1.6	6
22	Patient-specific computational simulation of coronary artery bifurcation stenting. Scientific Reports, 2021, 11, 16486.	1.6	13
23	Tyrosine Kinase Inhibitor-Induced Acute Myocarditis, Myositis, and Cardiogenic Shock. Methodist DeBakey Cardiovascular Journal, 2021, 14, 5.	0.5	7
24	A Giant Aortic Root Abscess. Methodist DeBakey Cardiovascular Journal, 2021, 14, 150.	0.5	0
25	Smooth muscle cells affect differential nanoparticle accumulation in disturbed blood flow-induced murine atherosclerosis. PLoS ONE, 2021, 16, e0260606.	1.1	4
26	What Knot to Do. JACC: Case Reports, 2020, 2, 1657-1661.	0.3	3
27	Left Ventricular Assist Device Outflow Cannula Obstruction. JACC: Case Reports, 2020, 2, 1454-1456.	0.3	2
28	Infliximab Treatment of Refractory Cardiac Sarcoidosis. JACC: Case Reports, 2020, 2, 1553-1557.	0.3	1
29	3D reconstruction of coronary artery bifurcations from coronary angiography and optical coherence tomography: feasibility, validation, and reproducibility. Scientific Reports, 2020, 10, 18049.	1.6	19
30	Quantification of Renal Sympathetic Vasomotion as a Novel End Point for Renal Denervation. Hypertension, 2020, 76, 1247-1255.	1.3	5
31	Left main percutaneous coronary intervention versus coronary artery bypass surgery: A case of true equivalence in low and intermediate complexity anatomy or a question yet to be answered?. Atherosclerosis, 2020, 308, 45-47.	0.4	0
32	Role of Coronary Computed Tomography Angiography in Percutaneous Coronary Intervention of Chronic Total Occlusions. Current Cardiovascular Imaging Reports, 2020, 13, 1.	0.4	5
33	European Bifurcation Club white paper on stenting techniques for patients with bifurcated coronary artery lesions. Catheterization and Cardiovascular Interventions, 2020, 96, 1067-1079.	0.7	57
34	Computational Simulations of Provisional Stenting of a Diseased Coronary Artery Bifurcation Model. Scientific Reports, 2020, 10, 9667.	1.6	6
35	Management of acute myocardial injury in patients with confirmed or suspected COVID-19. Atherosclerosis, 2020, 305, 58-60.	0.4	2
36	Computational optimization of a novel atraumatic catheter for local drug delivery in coronary atherosclerotic plaques. Medical Engineering and Physics, 2020, 79, 26-32.	0.8	3

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37	The Relationship of Capillary Blood Flow Assessments with Real Time Myocardial Perfusion Echocardiography to Invasively Derived Microvascular and Epicardial Assessments. <i>Journal of the American Society of Echocardiography</i> , 2019, 32, 1095-1101.	1.2	10
38	Mechanisms of Stent Failure: Lessons from IVUS and OCT. <i>Current Cardiovascular Imaging Reports</i> , 2019, 12, 1.	0.4	0
39	Left Ventricular Pseudoaneurysm Complicated With Very Late Rupture 5 Years After Myocardial Infarction. <i>JACC: Case Reports</i> , 2019, 1, 569-572.	0.3	8
40	Complex Cardiovascular Interventions. <i>JACC: Case Reports</i> , 2019, 1, 124-126.	0.3	2
41	Duration of Dual Antiplatelet Therapy in Patients with CKD and Drug-Eluting Stents. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019, 14, 810-822.	2.2	18
42	Role of Invasive Functional Assessment in Surgical Revascularization of Coronary Artery Disease. <i>Circulation</i> , 2018, 137, 1731-1739.	1.6	10
43	Vorticity: At the crossroads of coronary biomechanics and physiology. <i>Atherosclerosis</i> , 2018, 273, 115-116.	0.4	5
44	A rare case of granulomatosis with polyangiitis-induced burnout cardiomyopathy: role of combined viability and metabolic imaging. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 584-584.	0.5	2
45	Clash of Oral P2Y12 Receptor Inhibitors in Acute Coronary Syndromes. <i>Journal of the American College of Cardiology</i> , 2018, 71, 382-385.	1.2	4
46	Lost and found: Coronary stent retrieval and review of literature. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 92, 50-53.	0.7	12
47	Fractional Flow Reserve Estimated at Coronary CT Angiography in Intermediate Lesions: Comparison of Diagnostic Accuracy of Different Methods to Determine Coronary Flow Distribution. <i>Radiology</i> , 2018, 287, 76-84.	3.6	31
48	Rupture of a stenotic thin-cap fibroatheroma in an area of low endothelial shear stress. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 950-951.	0.5	3
49	Pleiotropic Anti-atherosclerotic Effects of PCSK9 Inhibitors From Molecular Biology to Clinical Translation. <i>Current Atherosclerosis Reports</i> , 2018, 20, 20.	2.0	62
50	Predicting Coronary Atherosclerotic Plaque Burden From Clinical Parameters: Bringing Old Knowledge in the Game. <i>Angiology</i> , 2018, 69, 367-369.	0.8	0
51	T2 magnetic resonance mapping: The key to find the "Brahmastra" against atherosclerosis?. <i>Atherosclerosis</i> , 2018, 279, 95-96.	0.4	0
52	Design and Development of a Novel Drug Delivery Catheter for Atherosclerosis. , 2018, , .		0
53	High-Risk Plaque Regression and Stabilization. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007888.	1.3	1
54	Acute right ventricular myocardial infarction. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 455-464.	0.6	18

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55	Bench testing and coronary artery bifurcations: a consensus document from the European Bifurcation Club. <i>EuroIntervention</i> , 2018, 13, e1794-e1803.	1.4	28
56	Percutaneous coronary intervention in left main coronary artery disease: the 13th consensus document from the European Bifurcation Club. <i>EuroIntervention</i> , 2018, 14, 112-120.	1.4	94
57	Living with an inferior sinus venosus defect. <i>Cardiology Journal</i> , 2018, 25, 646-647.	0.5	0
58	Lowering Heart Rate Post Revascularization. <i>Angiology</i> , 2017, 68, 5-7.	0.8	1
59	Combined non-invasive assessment of endothelial shear stress and molecular imaging of inflammation for the prediction of inflamed plaque in hyperlipidaemic rabbit aortas. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 19-30.	0.5	17
60	Flow Perturbation Mediates Neutrophil Recruitment and Potentiates Endothelial Injury via TLR2 in Mice. <i>Circulation Research</i> , 2017, 121, 31-42.	2.0	141
61	Do we really need another individual coronary plaque characterization measurement?. <i>Atherosclerosis</i> , 2017, 261, 160-162.	0.4	3
62	The evolution of heart failure with reduced ejection fraction pharmacotherapy: What do we have and where are we going?. , 2017, 178, 67-82.		2
63	ARC OCT: Automatic detection of lumen border in intravascular OCT images. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 151, 21-32.	2.6	17
64	New heart failure pharmacotherapy in clinical trials: a hope in progress. <i>Expert Review of Cardiovascular Therapy</i> , 2017, 15, 649-651.	0.6	1
65	Assessment of endothelial shear stress in patients with mild or intermediate coronary stenoses using coronary computed tomography angiography: comparison with invasive coronary angiography. <i>International Journal of Cardiovascular Imaging</i> , 2017, 33, 1101-1110.	0.7	8
66	Association of global and local low endothelial shear stress with high-risk plaque using intracoronary 3D optical coherence tomography: Introduction of "shear stress score". <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 888-897.	0.5	25
67	Vasospastic Angina Presenting With Syncope and Chest Pain: A Case Report and Brief Literature Review. <i>South Dakota Medicine: the Journal of the South Dakota State Medical Association</i> , 2017, 70, 498-502.	0.2	0
68	Recurrent myocardial infarctions and premature coronary atherosclerosis in a 23-year-old man with antiphospholipid syndrome. <i>Thrombosis and Haemostasis</i> , 2016, 115, 237-239.	1.8	14
69	Erosion of Thin-Cap Fibroatheroma in an Area of Low Endothelial Shear Stress. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, e77-e78.	1.1	9
70	Arterial Remodeling and Endothelial Shear Stress Exhibit Significant Longitudinal Heterogeneity Along the Length of Coronary Plaques. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1007-1009.	2.3	15
71	Drug-loaded particles: "Trojan horses" in the therapy of atherosclerosis. <i>Atherosclerosis</i> , 2016, 251, 528-530.	0.4	3
72	Applications of 3D printing in cardiovascular diseases. <i>Nature Reviews Cardiology</i> , 2016, 13, 701-718.	6.1	318

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73	Refractory angina: new drugs on the block. Expert Review of Cardiovascular Therapy, 2016, 14, 881-883.	0.6	3
74	Quantifying the effect of side branches in endothelial shear stress estimates. Atherosclerosis, 2016, 251, 213-218.	0.4	23
75	Acute Coronary Syndrome in a 52-Year-Old Woman With Scleroderma. Circulation, 2016, 133, 2576-2582.	1.6	1
76	Contrast inhomogeneity in CT angiography of the abdominal aortic aneurysm. Journal of Cardiovascular Computed Tomography, 2016, 10, 179-183.	0.7	6
77	Pharmacological approaches of refractory angina. , 2016, 163, 118-131.		9
78	Foretelling plaque disruption: Is the journey to Ithaca reaching destination?. Atherosclerosis, 2016, 244, 147-148.	0.4	0
79	Advanced anatomical and functional imaging guides management of coronary artery ulcerated plaque. European Heart Journal Cardiovascular Imaging, 2015, 16, 1042-1042.	0.5	0
80	Bivalirudin in stable angina and acute coronary syndromes. , 2015, 152, 1-10.		6
81	How Do We Prevent the Vulnerable Atherosclerotic Plaque From Rupturing? Insights From In Vivo Assessments of Plaque, Vascular Remodeling, and Local Endothelial Shear Stress. Journal of Cardiovascular Pharmacology and Therapeutics, 2015, 20, 261-275.	1.0	32
82	Statins and the coronary plaque calcium "paradox": Insights from non-invasive and invasive imaging. Atherosclerosis, 2015, 241, 783-785.	0.4	14
83	Bivalirudin in ST-segment-elevation myocardial infarction: for better or worse?. Expert Review of Cardiovascular Therapy, 2015, 13, 893-895.	0.6	0
84	Accurate and reproducible reconstruction of coronary arteries and endothelial shear stress calculation using 3D OCT: Comparative study to 3D IVUS and 3D QCA. Atherosclerosis, 2015, 240, 510-519.	0.4	55
85	Quantification of aortic calcification " How and why should we do it?. Atherosclerosis, 2015, 240, 469-471.	0.4	8
86	Vulnerable plaque imaging: updates on new pathobiological mechanisms. European Heart Journal, 2015, 36, 3147-3154.	1.0	74
87	P wave analysis with wavelets identifies hypertensive patients at risk of recurrence of atrial fibrillation: A case-control study and 1year follow-up. Journal of Electrocardiology, 2015, 48, 845-852.	0.4	5
88	Biomechanical Modeling to Improve Coronary Artery Bifurcation Stenting. JACC: Cardiovascular Interventions, 2015, 8, 1281-1296.	1.1	84
89	Impact of local flow haemodynamics on atherosclerosis in coronary artery bifurcations. EuroIntervention, 2015, 11, V18-V22.	1.4	38
90	Virtual bench testing to study coronary bifurcation stenting. EuroIntervention, 2015, 11, V31-V34.	1.4	25

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91	Superior Vena Cava Syndrome Associated with Right-to-Left Shunt through Systemic-to-Pulmonary Venous Collaterals. Korean Journal of Radiology, 2014, 15, 185.	1.5	4
92	Real-time three-dimensional transoesophageal echocardiography enables preoperative pulmonary valvulopathy assessment. European Heart Journal Cardiovascular Imaging, 2014, 15, 713-713.	0.5	6
93	Multimodality Imaging for the Assessment of Total Artificial Heart Function. Journal of the American College of Cardiology, 2014, 63, e7.	1.2	0
94	Clinical validation of an algorithm for rapid and accurate automated segmentation of intracoronary optical coherence tomography images. International Journal of Cardiology, 2014, 172, 568-580.	0.8	15
95	QRS analysis using wavelet transformation for the prediction of response to cardiac resynchronization therapy: A prospective pilot study. Journal of Electrocardiology, 2014, 47, 59-65.	0.4	14
96	Myocardial Catastrophe. Circulation, 2014, 130, 854-862.	1.6	11
97	Vulnerable plaque: The biomechanics of matter. Atherosclerosis, 2014, 236, 351-352.	0.4	13
98	Accuracy and reproducibility of automated, standardized coronary transluminal attenuation gradient measurements. International Journal of Cardiovascular Imaging, 2014, 30, 1181-1189.	0.7	16
99	Inflammation goes with the flow: Implications for non-invasive identification of high-risk plaque. Atherosclerosis, 2014, 234, 476-478.	0.4	10
100	Association of Remodeling With Endothelial Shear Stress, Plaque Elasticity, and Volume in Coronary Arteries. Angiology, 2014, 65, 413-419.	0.8	5
101	Wavelet-based analysis of P waves identifies patients with lone atrial fibrillation: A cross-sectional pilot study. International Journal of Cardiology, 2014, 174, 389-392.	0.8	4
102	Hypoplastic left coronary artery with large collateral vessels from an ectatic right coronary artery. International Journal of Cardiology, 2014, 172, e396-e397.	0.8	2
103	Tumor Encasement of the Right Coronary Artery: Role of Anatomic and Functional Imaging in Diagnosis and Therapeutic Management. Open Cardiovascular Medicine Journal, 2014, 8, 110-112.	0.6	6
104	Synergistic effect of local endothelial shear stress and systemic hypercholesterolemia on coronary atherosclerotic plaque progression and composition in pigs. International Journal of Cardiology, 2013, 169, 394-401.	0.8	29
105	IVUSAngio Tool: A publicly available software for fast and accurate 3D reconstruction of coronary arteries. Computers in Biology and Medicine, 2013, 43, 1793-1803.	3.9	20
106	Echocardiographic evaluation of coronary artery disease. Coronary Artery Disease, 2013, 24, 613-623.	0.3	15
107	Thin-Capped Atheromata With Reduced Collagen Content in Pigs Develop in Coronary Arterial Regions Exposed to Persistently Low Endothelial Shear Stress. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1494-1504.	1.1	81
108	Optical coherence tomography: an arrow in our quiver. Expert Review of Cardiovascular Therapy, 2012, 10, 539-541.	0.6	7

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109	Endothelial shear stress in the evolution of coronary atherosclerotic plaque and vascular remodelling: current understanding and remaining questions. <i>Cardiovascular Research</i> , 2012, 96, 234-243.	1.8	257
110	Role of Endothelial Shear Stress in Stent Restenosis and Thrombosis. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1337-1349.	1.2	266
111	Novel non-invasive P wave analysis for the prediction of paroxysmal atrial fibrillation recurrences in patients without structural heart disease. <i>International Journal of Cardiology</i> , 2011, 153, 165-172.	0.8	23
112	Augmented Expression and Activity of Extracellular Matrix-Degrading Enzymes in Regions of Low Endothelial Shear Stress Colocalize With Coronary Atheromata With Thin Fibrous Caps in Pigs. <i>Circulation</i> , 2011, 123, 621-630.	1.6	142
113	In-vivo assessment of the natural history of coronary atherosclerosis: vascular remodeling and endothelial shear stress determine the complexity of atherosclerotic disease progression. <i>Current Opinion in Cardiology</i> , 2010, 25, 627-638.	0.8	25
114	Acute Myocardial Infarction Manifested with Headache. <i>Open Cardiovascular Medicine Journal</i> , 2010, 4, 148-150.	0.6	9
115	IVUS image processing and semantic analysis for Cardiovascular Diseases risk prediction. <i>International Journal of Biomedical Engineering and Technology</i> , 2010, 3, 349.	0.2	5
116	Natural History of Experimental Coronary Atherosclerosis and Vascular Remodeling in Relation to Endothelial Shear Stress. <i>Circulation</i> , 2010, 121, 2092-2101.	1.6	168
117	Metabolic Syndrome and Angiographic Coronary Artery Disease Prevalence in Association with the Framingham Risk Score. <i>Metabolic Syndrome and Related Disorders</i> , 2010, 8, 201-208.	0.5	10
118	Association of Reduced Zinc Status With Angiographically Severe Coronary Atherosclerosis: A Pilot Study. <i>Angiology</i> , 2010, 61, 449-455.	0.8	27
119	Shear stress and inflammation: are we getting closer to the prediction of vulnerable plaque?. <i>Expert Review of Cardiovascular Therapy</i> , 2010, 8, 1351-1353.	0.6	7
120	Risk Factors and Drug Interactions Predisposing to Statin-Induced Myopathy. <i>Drug Safety</i> , 2010, 33, 171-187.	1.4	167
121	The Authors's Reply. <i>Drug Safety</i> , 2010, 33, 803-804.	1.4	0
122	Effect of HMG-CoA reductase inhibitors on vascular cell apoptosis: Beneficial or detrimental?. <i>Atherosclerosis</i> , 2010, 211, 9-14.	0.4	45
123	Regulation of heparanase expression in coronary artery disease in diabetic, hyperlipidemic swine. <i>Atherosclerosis</i> , 2010, 213, 436-442.	0.4	53
124	Spontaneous Dissection of Right Coronary Artery Manifested with Acute Myocardial Infarction. <i>Open Cardiovascular Medicine Journal</i> , 2010, 4, 178-180.	0.6	11
125	Flow and atherosclerosis in coronary bifurcations. <i>EuroIntervention</i> , 2010, 6, J16-J23.	1.4	48
126	Adult Congenital Heart Disease Investigated with Cardiac Catheterization Over A 20-Year Period. <i>Open Cardiovascular Medicine Journal</i> , 2009, 3, 124-127.	0.6	7

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127	Molecular basis of statin-associated myopathy. <i>Atherosclerosis</i> , 2009, 202, 18-28.	0.4	102
128	Attenuation of inflammation and expansive remodeling by Valsartan alone or in combination with Simvastatin in high-risk coronary atherosclerotic plaques. <i>Atherosclerosis</i> , 2009, 203, 387-394.	0.4	30
129	Myocardial bridges are free from atherosclerosis: Overview of the underlying mechanisms. <i>Canadian Journal of Cardiology</i> , 2009, 25, 219-222.	0.8	38
130	The role of low endothelial shear stress in the conversion of atherosclerotic lesions from stable to unstable plaque. <i>Current Opinion in Cardiology</i> , 2009, 24, 580-590.	0.8	106
131	Idiopathic Left Ventricular Aneurysm Causing Ventricular Tachycardia with 1:1 Ventriculoatrial Conduction and Intermittent Wenckebach Block. <i>Open Cardiovascular Medicine Journal</i> , 2009, 3, 105-109.	0.6	10
132	Non-Newtonian models for molecular viscosity and wall shear stress in a 3D reconstructed human left coronary artery. <i>Medical Engineering and Physics</i> , 2008, 30, 9-19.	0.8	98
133	Image Analysis Techniques for Automated IVUS Contour Detection. <i>Ultrasound in Medicine and Biology</i> , 2008, 34, 1482-1498.	0.7	64
134	In Vivo Comparative Study of Linear Versus Geometrically Correct Three-Dimensional Reconstruction of Coronary Arteries. <i>American Journal of Cardiology</i> , 2008, 101, 263-267.	0.7	6
135	Elevated heart rate and atherosclerosis: An overview of the pathogenetic mechanisms. <i>International Journal of Cardiology</i> , 2008, 126, 302-312.	0.8	208
136	Pathogenetic mechanisms of coronary ectasia. <i>International Journal of Cardiology</i> , 2008, 130, 335-343.	0.8	162
137	The syndrome of rhabdomyolysis: Complications and treatment. <i>European Journal of Internal Medicine</i> , 2008, 19, 568-574.	1.0	228
138	Prediction of the Localization of High-Risk Coronary Atherosclerotic Plaques on the Basis of Low Endothelial Shear Stress. <i>Circulation</i> , 2008, 117, 993-1002.	1.6	346
139	Sex-related differences in the angiographic results of 14%500 cases referred for suspected coronary artery disease. <i>Coronary Artery Disease</i> , 2008, 19, 9-14.	0.3	9
140	Risk stratification of individual coronary lesions using local endothelial shear stress: a new paradigm for managing coronary artery disease. <i>Current Opinion in Cardiology</i> , 2007, 22, 552-564.	0.8	45
141	The syndrome of rhabdomyolysis: Pathophysiology and diagnosis. <i>European Journal of Internal Medicine</i> , 2007, 18, 90-100.	1.0	233
142	Coronary hemodynamics and atherosclerotic wall stiffness: A vicious cycle. <i>Medical Hypotheses</i> , 2007, 69, 349-355.	0.8	36
143	Is left coronary system more susceptible to atherosclerosis than right?. <i>International Journal of Cardiology</i> , 2007, 116, 7-13.	0.8	54
144	Role of Endothelial Shear Stress in the Natural History of Coronary Atherosclerosis and Vascular Remodeling. <i>Journal of the American College of Cardiology</i> , 2007, 49, 2379-2393.	1.2	1,211

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145	A novel active contour model for fully automated segmentation of intravascular ultrasound images: In vivo validation in human coronary arteries. <i>Computers in Biology and Medicine</i> , 2007, 37, 1292-1302.	3.9	67
146	Texture Analysis and Radial Basis Function Approximation for IVUS Image Segmentation. <i>Open Biomedical Engineering Journal</i> , 2007, 1, 53-59.	0.7	6
147	Pulsatile flow: A critical modulator of the natural history of atherosclerosis. <i>Medical Hypotheses</i> , 2006, 67, 338-340.	0.8	27
148	In-vivo validation of spatially correct three-dimensional reconstruction of human coronary arteries by integrating intravascular ultrasound and biplane angiography. <i>Coronary Artery Disease</i> , 2006, 17, 533-543.	0.3	34
149	In-vivo accuracy of geometrically correct three-dimensional reconstruction of human coronary arteries: is it influenced by certain parameters?. <i>Coronary Artery Disease</i> , 2006, 17, 545-551.	0.3	18
150	Spatial and phasic oscillation of non-Newtonian wall shear stress in human left coronary artery bifurcation: an insight to atherogenesis. <i>Coronary Artery Disease</i> , 2006, 17, 351-358.	0.3	59
151	Prevalence of Ectasia in Human Coronary Arteries in Patients in Northern Greece Referred for Coronary Angiography. <i>American Journal of Cardiology</i> , 2006, 98, 314-318.	0.7	72
152	Prevalence of Narrowing $\geq 50\%$ of the Left Main Coronary Artery Among 17,300 Patients Having Coronary Angiography. <i>American Journal of Cardiology</i> , 2006, 98, 1202-1205.	0.7	71