

Carl Johann Schultz

List of Publications by Year in Descending Order

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Version: 2024-04-27

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

162
papers

4,917
citations

40
h-index

66
g-index

176
ext. papers

5,693
ext. citations

4.9
avg, IF

5.08
L-index

#	Paper	IF	Citations
162	F-Sodium Fluoride Positron Emission Tomography Activity Predicts the Development of New Coronary Artery Calcifications. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 534-541	9.4	4
161	High Prevalence of Lipid-Related Residual Risk in ACS Patients. <i>Heart Lung and Circulation</i> , 2021 ,	1.8	
160	Use of cardiovascular imaging in risk restratification of the diabetic patient. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2021 , 28, 122-133	4	1
159	Novel behavioural approaches and implementation science for mitigating genetic risk of cardiovascular disease due to elevated lipoprotein(a). <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2021 , 28, 174-180	4	3
158	The effect of Vitamin-K and Colchicine on Vascular Calcification Activity in subjects with Diabetes Mellitus (ViKCoVaC): A double-blind 2x2 factorial randomized controlled trial. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	5
157	Diabetic kidney disease in type 2 diabetes: a review of pathogenic mechanisms, patient-related factors and therapeutic options. <i>PeerJ</i> , 2021 , 9, e11070	3.1	1
156	Essentials of a new clinical practice guidance on familial hypercholesterolaemia for physicians. <i>Internal Medicine Journal</i> , 2021 , 51, 769-779	1.6	0
155	Synopsis of an integrated guidance for enhancing the care of familial hypercholesterolaemia: an Australian perspective. <i>American Journal of Preventive Cardiology</i> , 2021 , 6, 100151	1.9	0
154	Coronary artery segmentation from intravascular optical coherence tomography using deep capsules. <i>Artificial Intelligence in Medicine</i> , 2021 , 116, 102072	7.4	1
153	Lipoprotein(a) in Patients With Type 2 Diabetes and Premature Coronary Artery Disease in the Coronary Care Unit. <i>Heart Lung and Circulation</i> , 2021 , 30, 734-740	1.8	2
152	Coronary F-sodium fluoride PET detects high-risk plaque features on optical coherence tomography and CT-angiography in patients with acute coronary syndrome. <i>Atherosclerosis</i> , 2021 , 319, 142-148	3.1	4
151	Single high-sensitivity troponin levels to assess patients with potential acute coronary syndromes. <i>Heart</i> , 2021 , 107, 721-727	5.1	1
150	Low Endothelial Shear Stress Is Associated With High-Risk Coronary Plaque Features and Microcalcification Activity. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 2262-2264	8.4	
149	Calcium/Calmodulin-Dependent Protein Kinase II Delta Inhibition and Ventricular Remodeling After Myocardial Infarction: A Randomized Clinical Trial. <i>JAMA Cardiology</i> , 2021 , 6, 762-768	16.2	2
148	Vitamin K Intake and Atherosclerotic Cardiovascular Disease in the Danish Diet Cancer and Health Study. <i>Journal of the American Heart Association</i> , 2021 , 10, e020551	6	2
147	Dual Antiplatelet Therapy after PCI in Patients at High Bleeding Risk. <i>New England Journal of Medicine</i> , 2021 , 385, 1643-1655	59.2	46
146	Abbreviated Antiplatelet Therapy in Patients at High Bleeding Risk With or Without Oral Anticoagulant Therapy After Coronary Stenting: An Open-Label, Randomized, Controlled Trial. <i>Circulation</i> , 2021 , 144, 1196-1211	16.7	7

145	Association between vitamin K intake and mortality in the Danish Diet, Cancer, and Health cohort. <i>European Journal of Epidemiology</i> , 2021 , 36, 1005-1014	12.1	0
144	The Full Revasc (Ffr-gUidance for complEte non-cuLprit REVAScularization) Registry-based randomized clinical trial. <i>American Heart Journal</i> , 2021 , 241, 92-100	4.9	1
143	The effect of vitamin K1 on arterial calcification activity in subjects with diabetes mellitus: a post hoc analysis of a double-blind, randomized, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2021 ,	7	3
142	Invasive Coronary Angiography after Chest Pain Presentations to Emergency Departments. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	1
141	The effects of vitamin K-rich green leafy vegetables on bone metabolism: A 4-week randomised controlled trial in middle-aged and older individuals. <i>Bone Reports</i> , 2020 , 12, 100274	2.6	6
140	A randomised controlled crossover trial investigating the short-term effects of different types of vegetables on vascular and metabolic function in middle-aged and older adults with mildly elevated blood pressure: the VEgetableS for vaScular hEaLth (VESSEL) study protocol. <i>Nutrition Journal</i> , 2020 , 19, 1-11	4.3	2
139	Quantifying dietary vitamin K and its link to cardiovascular health: a narrative review. <i>Food and Function</i> , 2020 , 11, 2826-2837	6.1	14
138	An age-matched computed tomography angiographic study of coronary atherosclerotic plaques in patients with familial hypercholesterolaemia. <i>Atherosclerosis</i> , 2020 , 298, 52-57	3.1	5
137	Quantitative aortography assessment of aortic regurgitation. <i>EuroIntervention</i> , 2020 , 16, e738-e756	3.1	6
136	A genetic risk score predicts coronary artery disease in familial hypercholesterolaemia: enhancing the precision of risk assessment. <i>Clinical Genetics</i> , 2020 , 97, 257-263	4	3
135	Is breast arterial calcification associated with coronary artery disease?-A systematic review and meta-analysis. <i>PLoS ONE</i> , 2020 , 15, e0236598	3.7	13
134	Case report: Synergetic effect of ischaemia and increased vagal tone inducing ventricular fibrillation in a patient with Brugada syndrome. <i>European Heart Journal - Case Reports</i> , 2020 , 4, 1-5	0.9	0
133	Contrast-free optical coherence tomography: Systematic evaluation of non-contrast media for intravascular assessment. <i>PLoS ONE</i> , 2020 , 15, e0237588	3.7	2
132	Coronary artery 18F-NaF PET analysis with the use of an elastic motion correction software. <i>Journal of Nuclear Cardiology</i> , 2020 , 27, 952-961	2.1	6
131	The Effect of Stent Artefact on Quantification of Plaque Features Using Optical Coherence Tomography (OCT): A Feasibility and Clinical Utility Study. <i>Heart Lung and Circulation</i> , 2020 , 29, 874-882	1.8	2
130	Is breast arterial calcification associated with coronary artery disease?A systematic review and meta-analysis 2020 , 15, e0236598		
129	Is breast arterial calcification associated with coronary artery disease?A systematic review and meta-analysis 2020 , 15, e0236598		
128	Is breast arterial calcification associated with coronary artery disease?A systematic review and meta-analysis 2020 , 15, e0236598		

127	Is breast arterial calcification associated with coronary artery disease? A systematic review and meta-analysis 2020 , 15, e0236598		
126	The Low Dose Colchicine after Myocardial Infarction (LoDoCo-MI) study: A pilot randomized placebo controlled trial of colchicine following acute myocardial infarction. <i>American Heart Journal</i> , 2019 , 215, 62-69	4.9	57
125	Design and rationale of the Management of High Bleeding Risk Patients Post Bioresorbable Polymer Coated Stent Implantation With an Abbreviated Versus Standard DAPT Regimen (MASTER DAPT) Study. <i>American Heart Journal</i> , 2019 , 209, 97-105	4.9	39
124	Round-the-clock performance of coronary CT angiography for suspected acute coronary syndrome: Results from the BEACON trial. <i>European Radiology</i> , 2018 , 28, 2169-2175	8	4
123	Elevated lipoprotein(a) and familial hypercholesterolemia in the coronary care unit: Between Scylla and Charybdis. <i>Clinical Cardiology</i> , 2018 , 41, 378-384	3.3	23
122	Elevated lipoprotein(a) and low-density lipoprotein cholesterol as predictors of the severity and complexity of angiographic lesions in patients with premature coronary artery disease. <i>Journal of Clinical Lipidology</i> , 2018 , 12, 1019-1026	4.9	19
121	In search of the vulnerable patient or the vulnerable plaque: F-sodium fluoride positron emission tomography for cardiovascular risk stratification. <i>Journal of Nuclear Cardiology</i> , 2018 , 25, 1774-1783	2.1	19
120	The impact of non-vitamin K antagonist oral anticoagulants (NOACs) on anticoagulation therapy in rural Australia. <i>Medical Journal of Australia</i> , 2018 , 208, 18-23	4	5
119	How to plan an overlap-free projection on CTA or fluoroscopy to facilitate quantitative analysis of aortic regurgitation. <i>EuroIntervention</i> , 2018 , 13, 1652-1654	3.1	5
118	The Effects of Geometric Variation from OCT-Derived 3D Reconstructions on Wall Shear Stress in a Patient-Specific Coronary Artery 2017 , 1-13		1
117	New data on familial hypercholesterolaemia and acute coronary syndromes: The promise of PCSK9 monoclonal antibodies in the light of recent clinical trials. <i>European Journal of Preventive Cardiology</i> , 2017 , 24, 1200-1205	3.9	10
116	Relation between calcium burden, echocardiographic stent frame eccentricity and paravalvular leakage after corevalve transcatheter aortic valve implantation. <i>European Heart Journal Cardiovascular Imaging</i> , 2017 , 18, 648-653	4.1	19
115	Preferred Fourth-Line Pharmacotherapy for Resistant Hypertension: Are We There Yet?. <i>Current Hypertension Reports</i> , 2017 , 19, 30	4.7	3
114	Comparison of Safety and Efficacy of Unfractionated Heparin Versus Bivalirudin in Patients Undergoing Percutaneous Coronary Intervention. <i>Heart Lung and Circulation</i> , 2017 , 26, 1277-1281	1.8	1
113	The Role of Sympatho-Inhibition in Combination Treatment of Obesity-Related Hypertension. <i>Current Hypertension Reports</i> , 2017 , 19, 99	4.7	10
112	Determinants of aortic regurgitation after transcatheter aortic valve implantation. An observational study using multi-slice computed tomography-guided sizing. <i>Journal of Cardiovascular Surgery</i> , 2017 , 58, 598-605	0.7	
111	Device Therapies for Resistant Hypertension. <i>Clinical Therapeutics</i> , 2016 , 38, 2152-2158	3.5	4
110	Determinants of image quality of rotational angiography for on-line assessment of frame geometry after transcatheter aortic valve implantation. <i>International Journal of Cardiovascular Imaging</i> , 2016 , 32, 1021-9	2.5	5

109	Coronary CT Angiography for Suspected ACS in the Era of High-Sensitivity Troponins: Randomized Multicenter Study. <i>Journal of the American College of Cardiology</i> , 2016 , 67, 16-26	15.1	97
108	Patient-specific image-based computer simulation for the prediction of valve morphology and calcium displacement after TAVI with the Medtronic CoreValve and the Edwards SAPIEN valve. <i>EuroIntervention</i> , 2016 , 11, 1044-52	3.1	51
107	Does frame geometry play a role in aortic regurgitation after Medtronic CoreValve implantation?. <i>EuroIntervention</i> , 2016 , 12, 519-25	3.1	10
106	Adjudicating paravalvular leaks of transcatheter aortic valves: a critical appraisal. <i>European Heart Journal</i> , 2016 , 37, 2627-44	9.5	28
105	Differences in Frame Geometry Between Balloon-expandable and Self-expanding Transcatheter Heart Valves and Association With Aortic Regurgitation. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016 , 69, 392-400	0.7	7
104	Patient-Specific Computer Modeling to Predict Aortic Regurgitation After Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, 508-12	5	64
103	Diferencias en geometr�a entre v�lvulas percut�neas expandibles con bal�n y autoexpandibles y su relaci�n con la insuficiencia a�rtica. <i>Revista Espanola De Cardiologia</i> , 2016 , 69, 392-400	1.5	7
102	Current practices of Asia-Pacific cardiologists in the utilization of bioresorbable scaffolds. <i>International Journal of Cardiology</i> , 2016 , 222, 832-840	3.2	
101	Prediction of paravalvular leakage after transcatheter aortic valve implantation. <i>International Journal of Cardiovascular Imaging</i> , 2015 , 31, 1461-8	2.5	15
100	Predictors of paravalvular aortic regurgitation following self-expanding Medtronic CoreValve implantation: the role of annulus size, degree of calcification, and balloon size during pre-implantation valvuloplasty and implant depth. <i>International Journal of Cardiology</i> , 2015 , 179, 539-45	3.2	22
99	PCA-derived respiratory motion surrogates from X-ray angiograms for percutaneous coronary interventions. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015 , 10, 695-705	3.9	6
98	Respiratory motion estimation in x-ray angiography for improved guidance during coronary interventions. <i>Physics in Medicine and Biology</i> , 2015 , 60, 3617-37	3.8	8
97	Proportion of Undercarboxylated Osteocalcin and Serum P1NP Predict Incidence of Myocardial Infarction in Older Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 3934-42	5.6	21
96	Frequency of familial hypercholesterolemia in patients with early-onset coronary artery disease admitted to a coronary care unit. <i>Journal of Clinical Lipidology</i> , 2015 , 9, 703-8	4.9	61
95	Definition of the aortic valve plane by means of a novel dedicated software program: Proof of concept and validation with multi slice computed tomography. <i>International Journal of Diagnostic Imaging</i> , 2015 , 3,		2
94	Rotational angiography with motion compensation: first-in-man use for the 3D evaluation of transcatheter valve prostheses. <i>EuroIntervention</i> , 2015 , 11, 442-9	3.1	13
93	Layer Separation for Vessel Enhancement in Interventional X-ray Angiograms Using Morphological Filtering and Robust PCA. <i>Lecture Notes in Computer Science</i> , 2015 , 104-113	0.9	7
92	Early and late optical coherence tomography findings following everolimus-eluting bioresorbable vascular scaffold implantation in myocardial infarction: a preliminary report. <i>Hellenic Journal of Cardiology</i> , 2015 , 56, 125-35	2.1	5

91	Three-dimensional optical coherence tomography for guidance of complex percutaneous coronary interventions. <i>JACC: Cardiovascular Interventions</i> , 2014 , 7, 102-3	5	2
90	Everolimus-eluting bioresorbable vascular scaffolds for treatment of patients presenting with ST-segment elevation myocardial infarction: BVS STEMI first study. <i>European Heart Journal</i> , 2014 , 35, 777-86	9.5	93
89	3D/3D registration of coronary CTA and biplane XA reconstructions for improved image guidance. <i>Medical Physics</i> , 2014 , 41, 091909	4.4	7
88	Oriented Gaussian mixture models for nonrigid 2D/3D coronary artery registration. <i>IEEE Transactions on Medical Imaging</i> , 2014 , 33, 1023-34	11.7	49
87	Effect of body mass index on the image quality of rotational angiography without rapid pacing for planning of transcatheter aortic valve implantation: a comparison with multislice computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2014 , 15, 133-41	4.1	6
86	Determinants of high cardiovascular risk in relation to plaque-composition of a non-culprit coronary segment visualized by near-infrared spectroscopy in patients undergoing percutaneous coronary intervention. <i>European Heart Journal</i> , 2014 , 35, 282-9	9.5	16
85	Cause of death after transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2014 , 83, E277-82	2.7	36
84	Quantitative computed tomographic coronary angiography: does it predict functionally significant coronary stenoses?. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 43-51	3.9	48
83	An objective and reproducible method for quantification of aortic regurgitation after TAVI. <i>EuroIntervention</i> , 2014 , 10, 355-63	3.1	35
82	Diagnostic accuracy of 128-slice dual-source CT coronary angiography: a randomized comparison of different acquisition protocols. <i>European Radiology</i> , 2013 , 23, 614-22	8	20
81	Registration of 3D+t coronary CTA and monoplane 2D+t X-ray angiography. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 919-31	11.7	16
80	Residual atherothrombotic material after stenting in acute myocardial infarction--an optical coherence tomographic evaluation. <i>International Journal of Cardiology</i> , 2013 , 167, 656-63	3.2	27
79	Evaluation of interpolation methods for surface-based motion compensated tomographic reconstruction for cardiac angiographic C-arm data. <i>Medical Physics</i> , 2013 , 40, 031107	4.4	11
78	First-line evaluation of coronary artery disease with coronary calcium scanning or exercise electrocardiography. <i>International Journal of Cardiology</i> , 2013 , 163, 190-5	3.2	16
77	Complete revascularization is not a prerequisite for success in current transcatheter aortic valve implantation practice. <i>JACC: Cardiovascular Interventions</i> , 2013 , 6, 867-75	5	89
76	Coronary CT angiography outperforms calcium imaging in the triage of acute coronary syndrome. <i>International Journal of Cardiology</i> , 2013 , 167, 1597-602	3.2	19
75	Statistical coronary motion models for 2D+t/3D registration of X-ray coronary angiography and CTA. <i>Medical Image Analysis</i> , 2013 , 17, 698-709	15.4	35
74	Histopathology of embolic debris captured during transcatheter aortic valve replacement. <i>Circulation</i> , 2013 , 127, 2194-201	16.7	156

73	Response to letter regarding article, "Histopathology of embolic debris captured during transcatheter aortic valve replacement". <i>Circulation</i> , 2013 , 128, e478-9	16.7	1
72	Five-year follow-up of the ABSORB bioresorbable everolimus-eluting vascular scaffold system: multimodality imaging assessment. <i>EuroIntervention</i> , 2013 , 8, 1126-7	3.1	25
71	Distance of lipid core-rich plaques from the ostium by NIRS in nonculprit coronary arteries. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, 297-9	8.4	7
70	Plaque compositional Syntax score: combining angiography and lipid burden in coronary artery disease. <i>JACC: Cardiovascular Imaging</i> , 2012 , 5, S119-21	8.4	8
69	Incidence, timing, and predictors of valve dislodgment during TAVI with the Medtronic Corevalve System. <i>Catheterization and Cardiovascular Interventions</i> , 2012 , 79, 726-32	2.7	29
68	Frequency and causes of stroke during or after transcatheter aortic valve implantation. <i>American Journal of Cardiology</i> , 2012 , 109, 1637-43	3	123
67	Primary PCI during off-hours is not related to increased mortality. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2012 , 1, 33-9	4.3	17
66	Completely percutaneous transcatheter aortic valve implantation through transaxillary route: an evolving concept. <i>EuroIntervention</i> , 2012 , 7, 1340-2	3.1	15
65	The 3mensio Valves™ multimodality workstation. <i>EuroIntervention</i> , 2012 , 7, 1464-9	3.1	20
64	How should I treat an iatrogenic aortic dissection as a complication of complex PCI?. <i>EuroIntervention</i> , 2012 , 7, 1111-7	3.1	17
63	Plaque sealing and passivation with a mechanical self-expanding low outward force nitinol vShield device for the treatment of IVUS and OCT-derived thin cap fibroatheromas (TCFAs) in native coronary arteries: report of the pilot study vShield Evaluated at Cardiac hospital in Rotterdam for Investigation and Treatment of TCFA (SECRITT). <i>EuroIntervention</i> , 2012 , 8, 945-54	3.1	37
62	Alignment of 4D Coronary CTA with Monoplane X-ray Angiography. <i>Lecture Notes in Computer Science</i> , 2012 , 106-116	0.9	6
61	NIRS and IVUS for characterization of atherosclerosis in patients undergoing coronary angiography. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 647-55	8.4	65
60	Optimal Angiographic Views for Coronary Angioplasty 2011 , 44-57		1
59	Frequency of conduction abnormalities after transcatheter aortic valve implantation with the Medtronic-CoreValve and the effect on left ventricular ejection fraction. <i>American Journal of Cardiology</i> , 2011 , 107, 285-9	3	65
58	Effect of experience on results of transcatheter aortic valve implantation using a Medtronic CoreValve System. <i>American Journal of Cardiology</i> , 2011 , 107, 1824-9	3	45
57	Left ventricular mass regression one year after transcatheter aortic valve implantation. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 685-91	2.7	39
56	Assessment of the aortic annulus by multislice computed tomography, contrast aortography, and trans-thoracic echocardiography in patients referred for transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2011 , 77, 868-75	2.7	70

55	Transaortic flow velocity from dual-source MDCT for the diagnosis of aortic stenosis severity. <i>Catheterization and Cardiovascular Interventions</i> , 2011 , 78, 127-35	2.7	14
54	Correlates on MSCT of paravalvular aortic regurgitation after transcatheter aortic valve implantation using the Medtronic CoreValve prosthesis. <i>Catheterization and Cardiovascular Interventions</i> , 2011 , 78, 446-55	2.7	53
53	In-hospital complications after transcatheter aortic valve implantation revisited according to the Valve Academic Research Consortium definitions. <i>Catheterization and Cardiovascular Interventions</i> , 2011 , 78, 457-67	2.7	46
52	Primary percutaneous coronary intervention by magnetic navigation compared with conventional wire technique. <i>European Heart Journal</i> , 2011 , 32, 1472-8	9.5	8
51	Timing and potential mechanisms of new conduction abnormalities during the implantation of the Medtronic CoreValve System in patients with aortic stenosis. <i>European Heart Journal</i> , 2011 , 32, 2067-74	9.5	135
50	Intravascular ultrasound radiofrequency analysis after optimal coronary stenting with initial quantitative coronary angiography guidance: an ATHEROREMO sub-study. <i>EuroIntervention</i> , 2011 , 6, 977-84	3.1	10
49	In vivo findings of tissue characteristics using iMap [®] IVUS and Virtual Histology [®] IVUS. <i>EuroIntervention</i> , 2011 , 6, 1017-9	3.1	33
48	First-in-man evaluation of intravascular optical frequency domain imaging (OFDI) of Terumo: a comparison with intravascular ultrasound and quantitative coronary angiography. <i>EuroIntervention</i> , 2011 , 6, 1037-45	3.1	81
47	How should I treat acute valve regurgitation?. <i>EuroIntervention</i> , 2011 , 7, 151-9	3.1	3
46	Prevalence and prognostic implications of baseline anaemia in patients undergoing transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2011 , 7, 184-91	3.1	56
45	Optical coherence tomography (OCT) of overlapping bioresorbable scaffolds: from benchwork to clinical application. <i>EuroIntervention</i> , 2011 , 7, 386-99	3.1	36
44	Aortic annulus dimensions and leaflet calcification from contrast MSCT predict the need for balloon post-dilatation after TAVI with the Medtronic CoreValve prosthesis. <i>EuroIntervention</i> , 2011 , 7, 564-72	3.1	72
43	Transcatheter indirect mitral annuloplasty with the PTMA system: a technical report. <i>EuroIntervention</i> , 2011 , 7, 164-9	3.1	1
42	Moxy [®] drug-coated balloon: a novel device for the treatment of coronary and peripheral vascular disease. <i>EuroIntervention</i> , 2011 , 7, 274-7	3.1	
41	A drug-eluting stent, accidentally removed as late as 1 ¹ years after implantation. <i>EuroIntervention</i> , 2011 , 7, 1006-7	3.1	0
40	Adherence to patient selection criteria in patients undergoing transcatheter aortic valve implantation with the 18F CoreValve ReValving System. <i>Heart</i> , 2010 , 96, 19-26	5.1	28
39	In vivo 3D distribution of lipid-core plaque in human coronary artery as assessed by fusion of near infrared spectroscopy-intravascular ultrasound and multislice computed tomography scan. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, e6-7	3.9	25
38	Three dimensional evaluation of the aortic annulus using multislice computer tomography: are manufacturer [®] guidelines for sizing for percutaneous aortic valve replacement helpful?. <i>European Heart Journal</i> , 2010 , 31, 849-56	9.5	151

37	First-in-man clinical use of combined near-infrared spectroscopy and intravascular ultrasound: a potential key to predict distal embolization and no-reflow?. <i>Journal of the American College of Cardiology</i> , 2010 , 56, 314	15.1	54
36	Defining the appropriate CTA stenosis threshold for gatekeeping to invasive angiography: 50% or 70%?. <i>International Journal of Cardiology</i> , 2010 , 144, 297-8	3.2	1
35	Crossing of a calcified "balloon uncrossable" coronary chronic total occlusion facilitated by a laser catheter: a case report and review recent four years experience at the Thoraxcenter. <i>International Journal of Cardiology</i> , 2010 , 145, 251-254	3.2	23
34	Changes in mitral regurgitation after transcatheter aortic valve implantation. <i>Catheterization and Cardiovascular Interventions</i> , 2010 , 75, 43-9	2.7	64
33	A method for standardized computed tomography angiography-based measurement of aortic valvar structures. <i>European Heart Journal</i> , 2010 , 31, 2170-8	9.5	12
32	Prosthesis-patient mismatch after transcatheter aortic valve implantation with the medtronic CoreValve system in patients with aortic stenosis. <i>American Journal of Cardiology</i> , 2010 , 106, 255-60	3	51
31	Optimal projection estimation for transcatheter aortic valve implantation based on contrast-aortography: validation of a Prototype Software. <i>Catheterization and Cardiovascular Interventions</i> , 2010 , 76, 602-7	2.7	45
30	Persistent conduction abnormalities and requirements for pacemaking six months after transcatheter aortic valve implantation. <i>EuroIntervention</i> , 2010 , 6, 475-84	3.1	92
29	The use of MSCT for the evaluation of the aortic root before transcatheter aortic valve implantation: the Rotterdam approach. <i>EuroIntervention</i> , 2010 , 6, 505-11	3.1	40
28	Vascular complications with transcatheter aortic valve implantation using the 18 Fr Medtronic CoreValve System: the Rotterdam experience. <i>EuroIntervention</i> , 2010 , 5, 673-9	3.1	122
27	First use in patients of a combined near infra-red spectroscopy and intra-vascular ultrasound catheter to identify composition and structure of coronary plaque. <i>EuroIntervention</i> , 2010 , 5, 755-6	3.1	45
26	How should I treat a staggering TAVI procedure?. <i>EuroIntervention</i> , 2010 , 6, 418-23	3.1	1
25	How should I treat a tortuous calcified right coronary artery?. <i>EuroIntervention</i> , 2010 , 6, 161-167	3.1	2
24	GPU accelerated alignment of 3-D CTA with 2-D X-ray data for improved guidance in coronary interventions 2009 ,		7
23	Perforation of the membranous interventricular septum after transcatheter aortic valve implantation. <i>Circulation: Cardiovascular Interventions</i> , 2009 , 2, 582-3	6	20
22	Implantation of two self-expanding aortic bioprosthetic valves during the same procedure-Insights into valve-in-valve implantation ("Russian doll concept"). <i>Catheterization and Cardiovascular Interventions</i> , 2009 , 73, 530-9	2.7	72
21	Assisted circulation using the TandemHeart during very high-risk PCI of the unprotected left main coronary artery in patients declined for CABG. <i>Catheterization and Cardiovascular Interventions</i> , 2009 , 74, 302-10	2.7	24
20	Optical coherence tomography to guide treatment of chronic occlusions?. <i>JACC: Cardiovascular Interventions</i> , 2009 , 2, 366-7	5	6

19	Optical coherence tomography assessment of the acute effects of stent implantation on the vessel wall: a systematic quantitative approach. <i>Heart</i> , 2009 , 95, 1913-9	5.1	132
18	Integration of multislice computed tomography with magnetic navigation facilitates percutaneous coronary interventions without additional contrast agents. <i>Journal of the American College of Cardiology</i> , 2009 , 53, 741-6	15.1	13
17	Geometry and degree of apposition of the CoreValve ReValving system with multislice computed tomography after implantation in patients with aortic stenosis. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 911-8	15.1	154
16	Patient specific 4D coronary models from ECG-gated CTA data for intra-operative dynamic alignment of CTA with X-ray images. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 369-76	0.9	16
15	Computed tomography in total coronary occlusions (CTTO registry): radiation exposure and predictors of successful percutaneous intervention. <i>EuroIntervention</i> , 2009 , 4, 607-16	3.1	81
14	Assisted circulation using the Tandemheart, percutaneous transseptal left ventricular assist device, during percutaneous aortic valve implantation: the Rotterdam experience. <i>EuroIntervention</i> , 2009 , 5, 465-9	3.1	9
13	How should I treat a complex Post-CABG patient?. <i>EuroIntervention</i> , 2009 , 5, 627-32	3.1	
12	Images in cardiovascular medicine. The complex pathophysiology of acute myocardial infarction imaged by cardiovascular magnetic resonance: infarction, edema, microvascular obstruction, and inducible ischemia. <i>Circulation</i> , 2008 , 118, e89-92	16.7	5
11	Anatomy of the aortic valvar complex and its implications for transcatheter implantation of the aortic valve. <i>Circulation: Cardiovascular Interventions</i> , 2008 , 1, 74-81	6	435
10	An indeterminate occlusion duration predicts procedural failure in the recanalization of coronary chronic total occlusions. <i>Catheterization and Cardiovascular Interventions</i> , 2008 , 71, 621-8	2.7	16
9	Paternal phenotype is associated with microalbuminuria in young adults with Type 1 diabetes mellitus of short duration. <i>Diabetic Medicine</i> , 2004 , 21, 246-51	3.5	5
8	Low IGF-I and elevated testosterone during puberty in subjects with type 1 diabetes developing microalbuminuria in comparison to normoalbuminuric control subjects: the Oxford Regional Prospective Study. <i>Diabetes Care</i> , 2003 , 26, 1456-61	14.6	86
7	Markers of renal tubular dysfunction measured annually do not predict risk of microalbuminuria in the first few years after diagnosis of Type I diabetes. <i>Diabetologia</i> , 2001 , 44, 224-9	10.3	24
6	Blood pressure does not rise before the onset of microalbuminuria in children followed from diagnosis of type 1 diabetes. Oxford Regional Prospective Study Group. <i>Diabetes Care</i> , 2001 , 24, 555-60	14.6	37
5	Freezing method affects the concentration and variability of urine proteins and the interpretation of data on microalbuminuria. The Oxford Regional Prospective Study Group. <i>Diabetic Medicine</i> , 2000 , 17, 7-14	3.5	71
4	Risk of nephropathy can be detected before the onset of microalbuminuria during the early years after diagnosis of type 1 diabetes. <i>Diabetes Care</i> , 2000 , 23, 1811-5	14.6	70
3	Microalbuminuria prevalence varies with age, sex, and puberty in children with type 1 diabetes followed from diagnosis in a longitudinal study. Oxford Regional Prospective Study Group. <i>Diabetes Care</i> , 1999 , 22, 495-502	14.6	234
2	Glycaemic control and familial factors determine hyperlipidaemia in early childhood diabetes. Oxford Regional Prospective Study of Childhood Diabetes. <i>Diabetic Medicine</i> , 1999 , 16, 598-604	3.5	26

1 Material Selection 58-73