Johan H C Reiber

List of Publications by Year
in descending order

324 papers	14,498 citations	17440 63 h-index	24982 109 g-index
334 all docs	334 docs citations	334 times ranked	11045 citing authors

#	Article	IF	Citations
1	One-year performance of biorestorative polymeric coronary bypass grafts in an ovine model: correlation between early biomechanics and late serial Quantitative Flow Ratio. European Journal of Cardio-thoracic Surgery, 2022, 61, 1402-1411.	1.4	3
2	Editorâ€™s choice to the January 2022 issue. International Journal of Cardiovascular Imaging, 2022, 38, 1-3.	1.5	0
3	Angiography-derived physiology guidance vs usual care in an All-comers PCI population treated with the healing-targeted supreme stent and Ticagrelor monotherapy: PIONEER IV trial design. American Heart Journal, 2022, 246, 32-43.	2.7	1
4	Global longitudinal strain (GLS). International Journal of Cardiovascular Imaging, 2022, 38, 269-270.	1.5	0
5	Heart Team risk assessment with angiographyâ€derived fractional flow reserve determining the optimal revascularization strategy in patients with multivessel disease: Trial design and rationale for the DECISION QFR randomized trial. Clinical Cardiology, 2022, , .	1.8	2
6	Recovery of right ventricular function and strain. International Journal of Cardiovascular Imaging, 2022, 38, 491-492.	1.5	0
7	Editorâ€™s choice to the May 2022 issue. International Journal of Cardiovascular Imaging, 2022, 38, 915.	0.6	0
8	Cardiovascular imaging 2020 in the international journal of cardiovascular imaging: the 10 most downloaded papers in the year 2020. International Journal of Cardiovascular Imaging, 2021, 37, 1105-1106.	1.5	0
9	Editorâ€™s note to the June 2021 issue. International Journal of Cardiovascular Imaging, 2021, 37, 1799-1800.	1.5	0
10	Editorâ€™s Note to the July 2021 issue. International Journal of Cardiovascular Imaging, 2021, 37, 2093-2094.	1.5	0
11	Angiography-Based 4-Dimensional Superficial Wall Strain and Stress: A New Diagnostic Tool in the Catheterization Laboratory. Frontiers in Cardiovascular Medicine, 2021, 8, 667310.	2.4	5
12	Increased 2020 impact factor for Int Journal Cardiovascular Imaging: 2.357. International Journal of Cardiovascular Imaging, 2021, 37, 2345-2346.	1.5	0
13	Editorâ€™s note to the September 2021 issue. International Journal of Cardiovascular Imaging, 2021, 37, 2589-2589.	1.5	0
14	Comparison of left atrial strain measured by feature tracking computed tomography and speckle tracking echocardiography in patients with aortic stenosis. European Heart Journal Cardiovascular Imaging, 2021, 23, 95-101.	1.2	5
15	Editorâ€™s choice to the October 2021 issue. International Journal of Cardiovascular Imaging, 2021, 37, 2801-2802.	1.5	0
16	Editorâ€™s choice to the november 2021 issue. International Journal of Cardiovascular Imaging, 2021, 37, 3127-3128.	1.5	0
17	Editorâ€™s Choice to the December 2021 issue. International Journal of Cardiovascular Imaging, 2021, 37, 3371-3372.	1.5	0
18	Fractional flow reserve in clinical practice: from wire-based invasive measurement to image-based computation. European Heart Journal, 2020, 41, 3271-3279.	2.2	69

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19	Prognostic Influence of Feature Tracking Multidetector Row Computed Tomography-Derived Left Ventricular Global Longitudinal Strain in Patients with Aortic Stenosis Treated With Transcatheter Aortic Valve Implantation. American Journal of Cardiology, 2020, 125, 948-955.	1.6	11
20	Feature tracking computed tomography-derived left ventricular global longitudinal strain in patients with aortic stenosis: a comparative analysis with echocardiographic measurements. Journal of Cardiovascular Computed Tomography, 2020, 14, 240-245.	1.3	14
21	Endothelial shear stress and vascular remodeling in bioresorbable scaffold and metallic stent. Atherosclerosis, 2020, 312, 79-89.	0.8	3
22	Introduction topical issue on CT plaque burden. International Journal of Cardiovascular Imaging, 2020, 36, 2301-2303.	1.5	0
23	Cardiovascular imaging of women and men visiting the outpatient clinic with chest pain or discomfort: design and rationale of the ARGUS Study. BMJ Open, 2020, 10, e040712.	1.9	4
24	Comparative effectiveness of coronary artery stenosis and atherosclerotic plaque burden assessment for predicting 30-day revascularization and 2-year major adverse cardiac events. International Journal of Cardiovascular Imaging, 2020, 36, 2365-2375.	1.5	3
25	The Aging Imageomics Study: rationale, design and baseline characteristics of the study population. Mechanisms of Ageing and Development, 2020, 189, 111257.	4.6	18
26	Predictive value of the QFR in detecting vulnerable plaques in non-flow limiting lesions: a combined analysis of the PROSPECT and IBIS-4 study. International Journal of Cardiovascular Imaging, 2020, 36, 993-1002.	1.5	6
27	Editorâ€™s note February 2020. International Journal of Cardiovascular Imaging, 2020, 36, 767-767.	1.5	0
28	Cardiovascular imaging 2019 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2020, 36, 769-787.	1.5	2
29	Topical issue: advanced imaging and endovascular treatment in pulmonary artery diseases. International Journal of Cardiovascular Imaging, 2019, 35, 1405-1406.	1.5	0
30	Clinical Implication of Quantitative Flow Ratio After Percutaneous Coronary Intervention for 3-Vessel Disease. JACC: Cardiovascular Interventions, 2019, 12, 2064-2075.	2.9	71
31	Cardiovascular imaging 2018 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2019, 35, 1175-1188.	1.5	0
32	Comparison of Diagnostic Performance of Quantitative Flow Ratio in Patients With Versus Without Diabetes Mellitus. American Journal of Cardiology, 2019, 123, 1722-1728.	1.6	13
33	A novel software tool for semi-automatic quantification of thoracic aorta dilatation on baseline and follow-up computed tomography angiography. International Journal of Cardiovascular Imaging, 2019, 35, 711-723.	1.5	17
34	Post-implantation shear stress assessment: an emerging tool for differentiation of bioresorbable scaffolds. International Journal of Cardiovascular Imaging, 2019, 35, 409-418.	1.5	10
35	Quantification of disturbed coronary flow by disturbed vorticity index and relation with fractional flow reserve. Atherosclerosis, 2018, 273, 136-144.	0.8	22
36	Local Flow Patterns After Implantation of Bioresorbable Vascular Scaffold in Coronary Bifurcationsã€€â€• Novel Findings by Computational Fluid Dynamics â€•. Circulation Journal, 2018, 82, 1575-1583.	1.6	8

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37	Cardiovascular imaging 2017 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2018, 34, 833-848.	1.5	3
38	Quantitative Flow Ratio Identifies Nonculprit Coronary Lesions Requiring Revascularization in Patients With ST-Segmentâ€“Elevation Myocardial Infarction and Multivessel Disease. Circulation: Cardiovascular Interventions, 2018, 11, e006023.	3.9	80
39	Evaluation of Coronary Artery Stenosis by Quantitative Flow Ratio During Invasive Coronary Angiography. Circulation: Cardiovascular Imaging, 2018, 11, e007107.	2.6	157
40	Analyses of aerodynamic characteristics of the oropharynx applying CBCT: obstructive sleep apnea patients versus control subjects. Dentomaxillofacial Radiology, 2018, 47, 20170238.	2.7	20
41	In-stent fractional flow reserve variations and related optical coherence tomography findings: the FFRâ€“OCT co-registration study. International Journal of Cardiovascular Imaging, 2018, 34, 495-502.	1.5	6
42	Invasive assessment of coronary artery disease. Journal of Nuclear Cardiology, 2018, 25, 860-871.	2.1	12
43	Cardiovascular imaging 2017 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2018, 34, 1003-1003.	1.5	0
44	Diagnostic performance of angiography-derived fractional flow reserve: a systematic review and Bayesian meta-analysis. European Heart Journal, 2018, 39, 3314-3321.	2.2	116
45	Quantification of aortic annulus in computed tomography angiography: Validation of a fully automatic methodology. European Journal of Radiology, 2017, 93, 1-8.	2.6	12
46	Cardiovascular imaging 2016 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2017, 33, 761-770.	1.5	3
47	Automatic identification of coronary tree anatomy in coronary computed tomography angiography. International Journal of Cardiovascular Imaging, 2017, 33, 1809-1819.	1.5	29
48	Assessment of endothelial shear stress in patients with mild or intermediate coronary stenoses using coronary computed tomography angiography: comparison with invasive coronary angiography. International Journal of Cardiovascular Imaging, 2017, 33, 1101-1110.	1.5	8
49	Anatomical and functional assessment of Tryton bifurcation stent before and after final kissing balloon dilatation: Evaluations by three-dimensional coronary angiography, optical coherence tomography imaging and fractional flow reserve. Catheterization and Cardiovascular Interventions, 2017, 90, E1-E10.	1.7	5
50	Quantitative angiography methods for bifurcation lesions: a consensus statement update from the European Bifurcation Club. EuroIntervention, 2017, 13, 115-123.	3.2	35
51	A novel four-dimensional angiographic approach to assess dynamic superficial wall stress of coronary arteries in vivo: initial experience in evaluating vessel sites with subsequent plaque rupture. EuroIntervention, 2017, 13, e1099-e1103.	3.2	14
52	Diagnostic Accuracy of Fast Computational Approaches to DeriveÂFractional Flow Reserve FromÂDiagnostic Coronary Angiography. JACC: Cardiovascular Interventions, 2016, 9, 2024-2035.	2.9	394
53	Automatic detection of aorto-femoral vessel trajectory from whole-body computed tomography angiography data sets. International Journal of Cardiovascular Imaging, 2016, 32, 1311-1322.	1.5	4
54	Population based ultrasonographic screening of abdominal aortic aneurysms. International Journal of Cardiovascular Imaging, 2016, 32, 1605-1607.	1.5	2

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55	Enhanced characterization of calcified areas in intravascular ultrasound virtual histology images by quantification of the acoustic shadow: validation against computed tomography coronary angiography. International Journal of Cardiovascular Imaging, 2016, 32, 543-552.	1.5	13
56	Cardiovascular imaging 2015 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2016, 32, 697-709.	1.5	0
57	Total coronary atherosclerotic plaque burden assessment by CT angiography for detecting obstructive coronary artery disease associated with myocardial perfusion abnormalities. Journal of Cardiovascular Computed Tomography, 2016, 10, 121-127.	1.3	24
58	The impact of image resolution on computation of fractional flow reserve: coronary computed tomography angiography versus 3-dimensional quantitative coronary angiography. International Journal of Cardiovascular Imaging, 2016, 32, 513-523.	1.5	14
59	Topical issue: multimodality imaging in atherosclerosis. International Journal of Cardiovascular Imaging, 2016, 32, 1-3.	1.5	3
60	Noninvasive Prediction of Atherosclerotic Progression: The PROSPECT-MSCT Study. JACC: Cardiovascular Imaging, 2016, 9, 1009-1011.	5.3	27
61	An automated tool for cortical feature analysis: Application to differences on 7 <scp>T</scp>esla <scp>T</scp>₂[*]â€weighted images between young and older healthy subjects. Magnetic Resonance in Medicine, 2015, 74, 240-248.	3.0	6
62	Co-registration of optical coherence tomography and X-ray angiography in percutaneous coronary intervention. The Does Optical Coherence Tomography Optimize Revascularization (DOCTOR) fusion study. International Journal of Cardiology, 2015, 182, 272-278.	1.7	41
63	Editorâ€™s note February 2015. International Journal of Cardiovascular Imaging, 2015, 31, 221-223.	1.5	0
64	Impact of Side Branch Modeling on Computation of Endothelial Shear Stress in Coronary Artery Disease. Journal of the American College of Cardiology, 2015, 66, 125-135.	2.8	75
65	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.	0.8	55
66	Echogenicity as a surrogate for bioresorbable everolimus-eluting scaffold degradation: analysis at 1-, 3-, 6-, 12- 18, 24-, 30-, 36- and 42-month follow-up in a porcine model. International Journal of Cardiovascular Imaging, 2015, 31, 471-482.	1.5	29
67	Non-culprit coronary lesions in young patients have higher rates of atherosclerotic progression. International Journal of Cardiovascular Imaging, 2015, 31, 889-897.	1.5	6
68	Fractional Flow Reserve and Coronary Bifurcation Anatomy. JACC: Cardiovascular Interventions, 2015, 8, 564-574.	2.9	49
69	Biomechanical Modeling to Improve Coronary Artery Bifurcation Stenting. JACC: Cardiovascular Interventions, 2015, 8, 1281-1296.	2.9	84
70	A novel method to assess coronary artery bifurcations by OCT: cut-plane analysis for side-branch ostial assessment from a main-vessel pullback. European Heart Journal Cardiovascular Imaging, 2015, 16, 177-189.	1.2	44
71	7T T2â^—-weighted magnetic resonance imaging reveals cortical phase differences between early- and late-onset Alzheimer's disease. Neurobiology of Aging, 2015, 36, 20-26.	3.1	43
72	Is it safe to implant bioresorbable scaffolds in ostial side-branch lesions? Impact of â€˜neo-carinaâ€™ formation on main-branch flow pattern. Longitudinal clinical observations. Atherosclerosis, 2015, 238, 22-25.	0.8	11

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73	Automatic detection and quantification of the Agatston coronary artery calcium score on contrast computed tomography angiography. International Journal of Cardiovascular Imaging, 2015, 31, 151-161.	1.5	32
74	Hippocampal atrophy in people with memory deficits: results from the population-based IPREA study. International Psychogeriatrics, 2014, 26, 1067-1081.	1.0	19
75	Fully automated side branch detection in intravascular optical coherence tomography pullback runs. Biomedical Optics Express, 2014, 5, 3160.	2.9	13
76	Automatic detection of bioresorbable vascular scaffold struts in intravascular optical coherence tomography pullback runs. Biomedical Optics Express, 2014, 5, 3589.	2.9	37
77	Texture analysis of ultrahigh field T₂*â€weighted MR images of the brain: Application to Huntington's disease. Journal of Magnetic Resonance Imaging, 2014, 39, 633-640.	3.4	10
78	Editorâ€™s note September 2014. International Journal of Cardiovascular Imaging, 2014, 30, 1205-1206.	1.5	1
79	ST elevation acute myocardial infarction accelerates non-culprit coronary lesion atherosclerosis. International Journal of Cardiovascular Imaging, 2014, 30, 253-261.	1.5	37
80	Editorâ€™s note January 2014. International Journal of Cardiovascular Imaging, 2014, 30, 1-7.	1.5	0
81	Fractional Flow Reserve Calculation From 3-Dimensional Quantitative Coronary AngiographyÂand TIMI Frame Count. JACC: Cardiovascular Interventions, 2014, 7, 768-777.	2.9	292
82	Editorâ€™s note July 2014. International Journal of Cardiovascular Imaging, 2014, 30, 991-991.	1.5	0
83	Editorâ€™s note March 2014. International Journal of Cardiovascular Imaging, 2014, 30, 467-467.	1.5	0
84	Cardiovascular imaging 2013 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2014, 30, 683-695.	1.5	2
85	3D assessment of stent cell size and side branch access in intravascular optical coherence tomographic pullback runs. Computerized Medical Imaging and Graphics, 2014, 38, 113-122.	5.8	19
86	Feasibility of an Automated Quantitative Computed Tomography Angiographyâ€“Derived Risk Score for Risk Stratification of Patients With Suspected Coronary Artery Disease. American Journal of Cardiology, 2014, 113, 1947-1955.	1.6	25
87	Myocardial stress perfusion-fibrosis imaging pattern in sarcoidosis, assessed by cardiovascular magnetic resonance imaging. International Journal of Cardiology, 2014, 172, 501-503.	1.7	10
88	THE FUSION OF THREE-DIMENSIONAL QUANTITATIVE CORONARY ANGIOGRAPHY AND INTRACORONARY IMAGING FOR CORONARY INTERVENTIONS. Series in Computer Vision, 2014, , 151-173.	0.1	0
89	Automatic quantification and characterization of coronary atherosclerosis with computed tomography coronary angiography: cross-correlation with intravascular ultrasound virtual histology. International Journal of Cardiovascular Imaging, 2013, 29, 1177-1190.	1.5	178
90	The maximum necrotic core area is most often located proximally to the site of most severe narrowing: a virtual histology intravascular ultrasound study. Heart and Vessels, 2013, 28, 166-172.	1.2	14

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91	Editorâ€™s note August, 2013. International Journal of Cardiovascular Imaging, 2013, 29, 1201-1202.	1.5	0
92	Cardiovascular imaging 2012 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2013, 29, 725-736.	1.5	0
93	Editorâ€™s note October, 2013. International Journal of Cardiovascular Imaging, 2013, 29, 1655-1655.	1.5	0
94	Detection of coronary plaques using MR coronary vessel wall imaging: validation of findings with intravascular ultrasound. European Radiology, 2013, 23, 115-124.	4.5	22
95	Automatic stent strut detection in intravascular optical coherence tomographic pullback runs. International Journal of Cardiovascular Imaging, 2013, 29, 29-38.	1.5	48
96	Stress cardiac magnetic resonance reveals myocardial perfusion impairment in asymptomatic diabetes mellitus type I, missed by the routine non-invasive evaluation. International Journal of Cardiology, 2013, 167, e167-e169.	1.7	4
97	Stress perfusionâ€“fibrosis cardiac magnetic resonance detects early heart involvement in young asymptomatic, homozygous familial hyperlipidemia with normal routine non-invasive evaluation. International Journal of Cardiology, 2013, 168, 4570-4572.	1.7	1
98	MRI-assessed regional pulse wave velocity for predicting absence of regional aorta luminal growth in marfan syndrome. International Journal of Cardiology, 2013, 167, 2977-2982.	1.7	41
99	Optimization of Tryton Dedicated Coronary Bifurcation System With Coregistration of Optical Coherence Tomography and Fractional Flow Reserve. JACC: Cardiovascular Interventions, 2013, 6, e39-e40.	2.9	5
100	The reproducibility of cardiac and liver T2* measurement in thalassemia major using two different software packages. International Journal of Cardiovascular Imaging, 2013, 29, 1511-1516.	1.5	14
101	Response to Letters Regarding Article, â€œComparison of Clinical Interpretation With Visual Assessment and Quantitative Coronary Angiography in Patients Undergoing Percutaneous Coronary Intervention in Contemporary Practice: The Assessing Angiography (A2) Projectâ€• Circulation, 2013, 128, e463-4.	1.6	1
102	In Vivo Flow Simulation at Coronary Bifurcation Reconstructed by Fusion of 3-Dimensional X-ray Angiography and Optical Coherence Tomography. Circulation: Cardiovascular Interventions, 2013, 6, e15-7.	3.9	25
103	Comparison of Clinical Interpretation With Visual Assessment and Quantitative Coronary Angiography in Patients Undergoing Percutaneous Coronary Intervention in Contemporary Practice. Circulation, 2013, 127, 1793-1800.	1.6	114
104	Clinical validation of the new Tâ€•and Yâ€Shape models for the quantitative analysis of coronary bifurcations: An interobserver variability study. Catheterization and Cardiovascular Interventions, 2013, 81, E225-36.	1.7	9
105	Associations between Magnetic Resonance Imaging Measures and Neuropsychological Impairment in Early and Late Onset Alzheimer's Disease. Journal of Alzheimer's Disease, 2013, 35, 169-178.	2.6	21
106	An Objective Method to Optimize the MR Sequence Set for Plaque Classification in Carotid Vessel Wall Images Using Automated Image Segmentation. PLoS ONE, 2013, 8, e78492.	2.5	1
107	Co-registration of fractional flow reserve and optical coherence tomography with the use of a three-dimensional angiographic roadmap: an opportunity for optimisation of complex percutaneous coronary interventions. EuroIntervention, 2013, 9, 889-889.	3.2	6
108	Automated quantification of coronary plaque with computed tomography: comparison with intravascular ultrasound using a dedicated registration algorithm for fusion-based quantification. European Heart Journal, 2012, 33, 1007-1016.	2.2	194

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109	Automated quantification of carotid artery stenosis on contrast-enhanced MRA data using a deformable vascular tube model. International Journal of Cardiovascular Imaging, 2012, 28, 1513-1524.	1.5	15
110	In vivo assessment of bifurcation optimal viewing angles and bifurcation angles by three-dimensional (3D) quantitative coronary angiography. International Journal of Cardiovascular Imaging, 2012, 28, 1617-1625.	1.5	54
111	Myocardial perfusion-fibrosis pattern in systemic sclerosis assessed by cardiac magnetic resonance. International Journal of Cardiology, 2012, 159, e56-e58.	1.7	31
112	First Presentation of 3-Dimensional Reconstruction and Centerline-Guided Assessment of Coronary Bifurcation by Fusion of X-Ray Angiography and Optical Coherence Tomography. JACC: Cardiovascular Interventions, 2012, 5, 884-885.	2.9	13
113	In vivo comparison of arterial lumen dimensions assessed by co-registered three-dimensional (3D) quantitative coronary angiography, intravascular ultrasound and optical coherence tomography. International Journal of Cardiovascular Imaging, 2012, 28, 1315-1327.	1.5	97
114	Combined magnitude and phaseâ€based segmentation of the cerebral cortex in 7T MR images of the elderly. Journal of Magnetic Resonance Imaging, 2012, 36, 99-109.	3.4	6
115	Evaluation of sampling density on the accuracy of aortic pulse wave velocity from velocityâ€encoded MRI in patients with Marfan syndrome. Journal of Magnetic Resonance Imaging, 2012, 36, 1470-1476.	3.4	13
116	Automatic centerline extraction of coronary arteries in coronary computed tomographic angiography. International Journal of Cardiovascular Imaging, 2012, 28, 921-933.	1.5	127
117	Cardiovascular imaging 2011 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2012, 28, 439-451.	1.5	0
118	Toward Magnetic Resonanceâ€Guided Electroanatomical Voltage Mapping for Catheter Ablation of Scarâ€Related Ventricular Tachycardia: A Comparison of Registration Methods. Journal of Cardiovascular Electrophysiology, 2012, 23, 74-80.	1.7	25
119	Cardiac MR perfusion image processing techniques: A survey. Medical Image Analysis, 2012, 16, 767-785.	11.6	33
120	Automatic lumen and outer wall segmentation of the carotid artery using deformable threeâ€dimensional models in MR angiography and vessel wall images. Journal of Magnetic Resonance Imaging, 2012, 35, 156-165.	3.4	44
121	Automatic radiographic quantification of hand osteoarthritis; accuracy and sensitivity to change in joint space width in a phantom and cadaver study. Skeletal Radiology, 2012, 41, 41-49.	2.0	9
122	Evaluating Visualisations and Automatic Warning Cues for Visual Search in Vascular Images. , 2012, , 68-83.		0
123	Carina shift as a mechanism for side-branch compromise following main vessel intervention: insights from three-dimensional optical coherence tomography. Cardiovascular Diagnosis and Therapy, 2012, 2, 173-7.	1.7	5
124	Feasibility of Diastolic Function Assessment With Cardiac CT. JACC: Cardiovascular Imaging, 2011, 4, 246-256.	5.3	47
125	Non-parametric model selection for subject-specific topological organization of resting-state functional connectivity. NeuroImage, 2011, 56, 1453-1462.	4.2	7
126	Recent Advances in MRI Based Volumetry and Morphometry for AD Diagnosis in Human. Current Medical Imaging, 2011, 7, 34-42.	0.8	1

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127	Shape Abnormalities of the Striatum in Alzheimer's Disease. Journal of Alzheimer's Disease, 2011, 23, 49-59.	2.6	39
128	Positive Remodeling on Coronary Computed Tomography as a Marker for Plaque Vulnerability on Virtual Histology Intravascular Ultrasound. American Journal of Cardiology, 2011, 107, 1725-1729.	1.6	69
129	Comparison of the Relation Between the Calcium Score and Plaque Characteristics in Patients With Acute Coronary Syndrome Versus Patients With Stable Coronary Artery Disease, Assessed by Computed Tomography Angiography and Virtual Histology Intravascular Ultrasound. American Journal of Cardiology, 2011, 108, 658-664.	1.6	35
130	Diagnostic performance of 320-slice multidetector computed tomography coronary angiography in patients after coronary artery bypass grafting. European Radiology, 2011, 21, 2285-2296.	4.5	55
131	Dedicated bifurcation analysis: basic principles. International Journal of Cardiovascular Imaging, 2011, 27, 167-174.	1.5	22
132	Introduction to QCA, IVUS and OCT in interventional cardiology. International Journal of Cardiovascular Imaging, 2011, 27, 153-154.	1.5	1
133	Fusion of 3D QCA and IVUS/OCT. International Journal of Cardiovascular Imaging, 2011, 27, 197-207.	1.5	66
134	QCA editorial. International Journal of Cardiovascular Imaging, 2011, 27, 155-156.	1.5	1
135	Cardiovascular imaging 2010 in the International Journal of Cardiovascular Imaging. International Journal of Cardiovascular Imaging, 2011, 27, 309-319.	1.5	2
136	Comprehensive assessment of spotty calcifications on computed tomography angiography: Comparison to plaque characteristics on intravascular ultrasound with radiofrequency backscatter analysis. Journal of Nuclear Cardiology, 2011, 18, 893-903.	2.1	90
137	Automated regional wall motion abnormality detection by combining rest and stress cardiac MRI: Correlation with contrastâ€enhanced MRI. Journal of Magnetic Resonance Imaging, 2011, 34, 270-278.	3.4	8
138	Gastric volume changes in response to a meal: Validation of magnetic resonance imaging versus the barostat. Journal of Magnetic Resonance Imaging, 2011, 34, 685-690.	3.4	9
139	Ageâ€related and regional changes of aortic stiffness in the marfan syndrome: Assessment with velocityâ€encoded MRI. Journal of Magnetic Resonance Imaging, 2011, 34, 526-531.	3.4	47
140	The impact of acquisition angle differences on threeâ€dimensional quantitative coronary angiography. Catheterization and Cardiovascular Interventions, 2011, 78, 214-222.	1.7	20
141	A strain energy filter for 3D vessel enhancement with application to pulmonary CT images. Medical Image Analysis, 2011, 15, 112-124.	11.6	62
142	Diastolic Carotid Artery Wall Shear Stress Is Associated With Cerebral Infarcts and Periventricular White Matter Lesions. Stroke, 2011, 42, 3497-3501.	2.0	22
143	Eureka?. Radiology, 2011, 259, 610-611.	7.3	0
144	Head-to-head comparison of contrast-enhanced magnetic resonance imaging and electroanatomical voltage mapping to assess post-infarct scar characteristics in patients with ventricular tachycardias: real-time image integration and reversed registration. European Heart Journal, 2011, 32, 104-114.	2.2	193

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145	QCA, IVUS and OCT in interventional cardiology in 2011. Cardiovascular Diagnosis and Therapy, 2011, 1, 57-70.	1.7	19
146	Use of three-dimensional optical coherence tomography to verify correct wire position in a jailed side branch after main vessel stent implantation. EuroIntervention, 2011, 7, 528-529.	3.2	9
147	Atlas-based whole-body segmentation of mice from low-contrast Micro-CT data. Medical Image Analysis, 2010, 14, 723-737.	11.6	84
148	Assessment of obstruction length and optimal viewing angle from biplane X-ray angiograms. International Journal of Cardiovascular Imaging, 2010, 26, 5-17.	1.5	37
149	New approaches for the assessment of vessel sizes in quantitative (cardio-)vascular X-ray analysis. International Journal of Cardiovascular Imaging, 2010, 26, 259-271.	1.5	28
150	Assessment With Multi-Slice Computed Tomography and Gray-Scale and Virtual Histology Intravascular Ultrasound of Gender-Specific Differences in Extent and Composition of Coronary Atherosclerotic Plaques in Relation to Age. American Journal of Cardiology, 2010, 105, 480-486.	1.6	34
151	A novel threeâ€dimensional quantitative coronary angiography system: Inâ€vivo comparison with intravascular ultrasound for assessing arterial segment length. Catheterization and Cardiovascular Interventions, 2010, 76, 291-298.	1.7	42
152	Improved aortic pulse wave velocity assessment from multislice twoâ€directional inâ€plane velocityâ€encoded magnetic resonance imaging. Journal of Magnetic Resonance Imaging, 2010, 32, 1086-1094.	3.4	44
153	Automated segmentation of myocardial scar in late enhancement MRI using combined intensity and spatial information. Magnetic Resonance in Medicine, 2010, 64, 586-594.	3.0	71
154	Model driven quantification of left ventricular function from sparse single-beat 3D echocardiography. Medical Image Analysis, 2010, 14, 582-593.	11.6	16
155	Quantitative evaluation of Compressed Sensing in MRI: Application to 7T time-of-flight angiography. , 2010, , .		8
156	Improved viscosity modeling in patients with type 2 diabetes mellitus by accounting for enhanced red blood cell aggregation tendency. Clinical Hemorheology and Microcirculation, 2010, 44, 303-313.	1.7	7
157	Fully Automatic Registration and Segmentation of First-Pass Myocardial Perfusion MR Image Sequences. Academic Radiology, 2010, 17, 1375-1385.	2.5	18
158	Automated Quantification of Stenosis Severity on 64-Slice CT. JACC: Cardiovascular Imaging, 2010, 3, 699-709.	5.3	56
159	Infarct Tissue Heterogeneity Assessed With Contrast-Enhanced MRI Predicts Spontaneous Ventricular Arrhythmia in Patients With Ischemic Cardiomyopathy and Implantable Cardioverter-Defibrillator. Circulation: Cardiovascular Imaging, 2009, 2, 183-190.	2.6	406
160	Cross-sectional, prospective study of MRI reproducibility in the assessment of plaque burden of the carotid arteries and aorta. Nature Reviews Cardiology, 2009, 6, 219-228.	13.7	31
161	Automated Detection of Regional Wall Motion Abnormalities Based on a Statistical Model Applied to Multislice Short-Axis Cardiac MR Images. IEEE Transactions on Medical Imaging, 2009, 28, 595-607.	8.9	77
162	Effect of Caldaret on the Incidence of Severe Left Ventricular Dysfunction in Patients With ST-Elevation Myocardial Infarction Undergoing Primary Coronary Intervention. American Journal of Cardiology, 2009, 103, 1-4.	1.6	12

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163	Hierarchical functional modularity in the restingâ€state human brain. Human Brain Mapping, 2009, 30, 2220-2231.	3.6	174
164	Detection of pollen grains in multifocal optical microscopy images of air samples. Microscopy Research and Technique, 2009, 72, 424-430.	2.2	34
165	Coronary angiography enhancement for visualization. International Journal of Cardiovascular Imaging, 2009, 25, 657-667.	1.5	10
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