

Bas L J H Kietselaer

List of Publications by Year in descending order

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53
papers

2,717
citations

331670

21
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

5448
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-ethnic genome-wide association study for atrial fibrillation. <i>Nature Genetics</i> , 2018, 50, 1225-1233.	21.4	552
2	Elevated Levels of Circulating DNA and Chromatin Are Independently Associated With Severe Coronary Atherosclerosis and a Prothrombotic State. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2032-2040.	2.4	358
3	Noninvasive Detection of Plaque Instability with Use of Radiolabeled Annexin A5 in Patients with Carotid-Artery Atherosclerosis. <i>New England Journal of Medicine</i> , 2004, 350, 1472-1473.	27.0	263
4	Past, present, and future of annexin A5: from protein discovery to clinical applications. <i>Journal of Nuclear Medicine</i> , 2005, 46, 2035-50.	5.0	230
5	Additive Value of Semiautomated Quantification of Coronary Artery Disease Using Cardiac Computed Tomographic Angiography to Predict Future Acute Coronary Syndrome. <i>Journal of the American College of Cardiology</i> , 2013, 61, 2296-2305.	2.8	182
6	Calcific aortic valve stenosis: hard disease in the heart. <i>European Heart Journal</i> , 2018, 39, 2618-2624.	2.2	127
7	In-Vivo Validation of Electrocardiographic Imaging. <i>JACC: Clinical Electrophysiology</i> , 2017, 3, 232-242.	3.2	93
8	Comprehensive Cardiac CT With Myocardial Perfusion Imaging Versus Functional Testing in Suspected Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1625-1636.	5.3	90
9	Noninvasive Detection of Programmed Cell Loss with 99mTc-Labeled Annexin A5 in Heart Failure. <i>Journal of Nuclear Medicine</i> , 2007, 48, 562-567.	5.0	70
10	Initial Imaging-Guided Strategy Versus Routine Care in Patients With Non-ST-Segment Elevation Myocardial Infarction. <i>Journal of the American College of Cardiology</i> , 2019, 74, 2466-2477.	2.8	58
11	Menaquinone-7 Supplementation to Reduce Vascular Calcification in Patients with Coronary Artery Disease: Rationale and Study Protocol (VitaK-CAC Trial). <i>Nutrients</i> , 2015, 7, 8905-8915.	4.1	52
12	Cardiac comorbidity is an independent risk factor for radiation-induced lung toxicity in lung cancer patients. <i>Radiotherapy and Oncology</i> , 2013, 109, 100-106.	0.6	50
13	MDCT evaluation of aortic root and aortic valve prior to TAVI. What is the optimal imaging time point in the cardiac cycle?. <i>European Radiology</i> , 2015, 25, 1975-1983.	4.5	48
14	Low contrast media volume in pre-TAVI CT examinations. <i>European Radiology</i> , 2016, 26, 2426-2435.	4.5	44
15	Optimizing contrast media application in coronary CT angiography at lower tube voltage: Evaluation in a circulation phantom and sixty patients. <i>European Journal of Radiology</i> , 2016, 85, 1068-1074.	2.6	38
16	Influence of Contrast Media Viscosity and Temperature on Injection Pressure in Computed Tomographic Angiography. <i>Investigative Radiology</i> , 2014, 49, 217-223.	6.2	35
17	Cardiac Troponin T and I Release After a 30-km Run. <i>American Journal of Cardiology</i> , 2016, 118, 281-287.	1.6	33
18	Evaluation of individually body weight adapted contrast media injection in coronary CT-angiography. <i>European Journal of Radiology</i> , 2016, 85, 830-836.	2.6	30

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19	High-Frequency Biomarker Measurements of Troponin, NT-proBNP, and C-Reactive Protein for Prediction of New Coronary Events After Acute Coronary Syndrome. <i>Circulation</i> , 2019, 139, 134-136.	1.6	26
20	Coronary CT angiography using low concentrated contrast media injected with high flow rates: Feasible in clinical practice. <i>European Journal of Radiology</i> , 2015, 84, 2155-2160.	2.6	25
21	Bicuspid Aortic Valve Stenosis and the Effect of Vitamin K2 on Calcification Using 18F-Sodium Fluoride Positron Emission Tomography/Magnetic Resonance: The BASIK2 Rationale and Trial Design. <i>Nutrients</i> , 2018, 10, 386.	4.1	22
22	Acute chest pain in the high-sensitivity cardiac troponin era: A changing role for noninvasive imaging?. <i>American Heart Journal</i> , 2016, 177, 102-111.	2.7	20
23	Patient Comfort During Contrast Media Injection in Coronary Computed Tomographic Angiography Using Varying Contrast Media Concentrations and Flow Rates. <i>Investigative Radiology</i> , 2016, 51, 810-815.	6.2	20
24	Vitamin K Antagonists, Non-Vitamin K Antagonist Oral Anticoagulants, and Vascular Calcification in Patients with Atrial Fibrillation. <i>TH Open</i> , 2018, 02, e391-e398.	1.4	20
25	Cohort profile of BIOMArCS: the BIOMarker study to identify the Acute risk of a Coronary Syndrome—a prospective multicentre biomarker study conducted in the Netherlands. <i>BMJ Open</i> , 2016, 6, e012929.	1.9	18
26	Pericardial fat and its influence on cardiac diastolic function. <i>Cardiovascular Diabetology</i> , 2020, 19, 129.	6.8	18
27	Impact of machine-learning CT-derived fractional flow reserve for the diagnosis and management of coronary artery disease in the randomized CRESCENT trials. <i>European Radiology</i> , 2020, 30, 3692-3701.	4.5	15
28	The Annexin code: revealing endocarditis. <i>European Heart Journal</i> , 2007, 28, 948-948.	2.2	14
29	Agatston score of the descending aorta is independently associated with coronary events in a low-risk population. <i>Open Heart</i> , 2018, 5, e000893.	2.3	14
30	Role of molecular imaging in defining and denying death.... <i>Journal of Nuclear Cardiology</i> , 2004, 11, 349-357.	2.1	13
31	Clinical correlates of echocardiographic tissue velocity imaging abnormalities of the left atrial wall during atrial fibrillation. <i>Europace</i> , 2014, 16, 1546-1553.	1.7	13
32	Biological variation of cardiac markers in patients with aortic valve stenosis. <i>Open Heart</i> , 2019, 6, e001040.	2.3	12
33	The role of cardiovascular magnetic resonance imaging and computed tomography angiography in suspected non-ST-elevation myocardial infarction patients: Design and rationale of the CARdiovascular Magnetic rEsonance imaging and computed Tomography Angiography (CARMENTA) trial. <i>American Heart Journal</i> , 2013, 166, 968-975.	2.7	11
34	Acute cardioversion vs a wait-and-see approach for recent-onset symptomatic atrial fibrillation in the emergency department: Rationale and design of the randomized ACWAS trial. <i>American Heart Journal</i> , 2017, 183, 49-53.	2.7	11
35	Details on high frequency blood collection, data analysis, available material and patient characteristics in BIOMArCS. <i>Data in Brief</i> , 2019, 27, 104750.	1.0	10
36	Unstable coronary plaque characteristics are associated with high-sensitivity cardiac troponin T and N-terminal Pro-Brain Natriuretic Peptide. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 82-88.	1.3	9

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37	Aortic root evaluation prior to transcatheter aortic valve implantationâ€”Correlation of manual and semi-automatic measurements. PLoS ONE, 2018, 13, e0199732.	2.5	9
38	Role of tetrahydrobiopterin (BH4) in hyperhomocysteinemia-induced endothelial dysfunction: new indication for this orphan-drug?. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E1176-E1176.	3.5	7
39	Severely Thrombosed Transcatheter Aortic Valve 9 Months After Implantation. Annals of Thoracic Surgery, 2015, 100, 1441-1444.	1.3	7
40	Personalization of injection protocols to the individual patientâ€™s blood volume and automated tube voltage selection (ATVS) in coronary CTA. PLoS ONE, 2018, 13, e0203682.	2.5	7
41	The role of standard non-ECG gated chest CT in cardiac assessment: design and rationale of the Cardiac Pathologies in standard chest CT (CaPaCT) study. European Radiology Experimental, 2018, 2, 9.	3.4	6
42	Temporal Evolution of Serum Concentrations of Highâ€”sensitivity Cardiac Troponin During 1 Year After Acute Coronary Syndrome Admission. Journal of the American Heart Association, 2021, 10, e017393.	3.7	6
43	Contrast Enhancement of the Right Ventricle during Coronary CT Angiography â€” Is It Necessary?. PLoS ONE, 2015, 10, e0128625.	2.5	6
44	Relation of Iron Status to Prognosis After Acute Coronary Syndrome. American Journal of Cardiology, 2022, 168, 22-30.	1.6	6
45	Biomarkers Associated With Aortic Valve Calcification: Should We Focus on Sex Specific Processes?. Frontiers in Cell and Developmental Biology, 2020, 8, 604.	3.7	5
46	ACST: which subgroups will benefit most from carotid endarterectomy?. Lancet, The, 2004, 364, 1124-1125.	18.7	3
47	Selective endothelin B receptor blockade does not influence BNP-induced natriuresis in man. Kidney International, 2006, 69, 864-868.	5.2	3
48	Gender Difference in the Prognostic Value of CTA?. JACC: Cardiovascular Imaging, 2014, 7, 529-530.	5.3	2
49	Geometric characteristics of bicuspid aortic valves. JTCVS Techniques, 2021, 10, 200-215.	0.4	2
50	Coronary calcium scoring as first-line test to detect and exclude coronary artery disease in patients presenting to the general practitioner with stable chest pain: protocol of the cluster-randomised CONCRETE trial. BMJ Open, 2022, 12, e055123.	1.9	2
51	Risk stratification and role for additional diagnostic testing in patients with acute chest pain and normal high-sensitivity cardiac troponin levels. PLoS ONE, 2018, 13, e0203506.	2.5	1
52	High-frequency metabolite profiling and the incidence of recurrent cardiac events in patients with post-acute coronary syndrome. Biomarkers, 2020, 25, 235-240.	1.9	1
53	Letter in response to Andrea K.Y. Lee et al. â€œNormalcy rate of computed tomographic coronary angiographyâ€œ. International Journal of Cardiology, 2012, 158, 299-300.	1.7	0