

Ricardo P J Budde

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,270
citations

304368

22
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243296

44
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99
all docs

99
docs citations

99
times ranked

2759
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Incidental findings on routine preoperative noncontrast chest computed tomography and chest radiography prior to cardiac surgery in the multicenter randomized controlled CRICKET study. <i>European Radiology</i> , 2023, 33, 294-301. | 2.3 | 1 |
| 2 | Artificial Intelligence and Transcatheter Interventions for Structural Heart Disease: A glance at the (near) future. <i>Trends in Cardiovascular Medicine</i> , 2022, 32, 153-159. | 2.3 | 15 |
| 3 | Influence of breathing state on the accuracy of automated patient positioning in thoracic CT using a 3D camera for body contour detection. <i>European Radiology</i> , 2022, 32, 442-447. | 2.3 | 3 |
| 4 | CT-derived fractional flow reserve (FFR _{ct}) for functional coronary artery evaluation in the follow-up of patients after heart transplantation. <i>European Radiology</i> , 2022, 32, 1843-1852. | 2.3 | 5 |
| 5 | Left atrial appendage thrombus and cerebrovascular events post-transcatheter aortic valve implantation. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1345-1353. | 0.5 | 1 |
| 6 | Normal imaging findings after ascending aorta prosthesis implantation on 18F-Fluorodeoxyglucose Positron Emission Tomography with computed tomography. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2938-2948. | 1.4 | 4 |
| 7 | Wall shear stress angle is associated with aortic growth in bicuspid aortic valve patients. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1680-1689. | 0.5 | 15 |
| 8 | Nephron mass determines the excretion rate of urinary extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12181. | 5.5 | 25 |
| 9 | Best Practices for Imaging Cardiac Device-Related Infections and Endocarditis. <i>JACC: Cardiovascular Imaging</i> , 2022, 15, 891-911. | 2.3 | 33 |
| 10 | Gender Differences in Patients With Stable Chest Pain. <i>American Journal of Cardiology</i> , 2022, 171, 84-90. | 0.7 | 3 |
| 11 | Thoracic Aortic Diameter and Cardiovascular Events and Mortality among Women and Men. <i>Radiology</i> , 2022, 304, 208-215. | 3.6 | 13 |
| 12 | Longitudinal changes of thoracic aortic diameters in the general population aged 55 years or older. <i>Heart</i> , 2022, 108, 1767-1776. | 1.2 | 4 |
| 13 | Incidental findings on coronary computed tomography in women with selected reproductive disorders. <i>Insights Into Imaging</i> , 2022, 13, . | 1.6 | 0 |
| 14 | Contemporary family screening in hypertrophic cardiomyopathy: the role of cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1144-1154. | 0.5 | 4 |
| 15 | Added value of 18F-FDG-PET/CT and cardiac CTA in suspected transcatheter aortic valve endocarditis. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2072-2082. | 1.4 | 37 |
| 16 | Normal imaging findings after aortic valve implantation on 18F-Fluorodeoxyglucose positron emission tomography with computed tomography. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2258-2268. | 1.4 | 19 |
| 17 | Temporal changes in FFRCT-Guided Management of Coronary Artery Disease – Lessons from the ADVANCE Registry. <i>Journal of Cardiovascular Computed Tomography</i> , 2021, 15, 48-55. | 0.7 | 5 |
| 18 | Coronary plaque burden in Turner syndrome a coronary computed tomography angiography study. <i>Heart and Vessels</i> , 2021, 36, 14-23. | 0.5 | 3 |

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|----|--|-----|-----------|
| 19 | Improvement of late gadolinium enhancement image quality using a deep learning-based reconstruction algorithm and its influence on myocardial scar quantification. <i>European Radiology</i> , 2021, 31, 3846-3855. | 2.3 | 31 |
| 20 | Automated patient positioning in CT using a 3D camera for body contour detection: accuracy in pediatric patients. <i>European Radiology</i> , 2021, 31, 131-138. | 2.3 | 21 |
| 21 | Role of Cardiac CT in Infective Endocarditis: Current Evidence, Opportunities, and Challenges. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e200378. | 0.9 | 30 |
| 22 | Remote multidisciplinary heart team meetings in immersive virtual reality: a first experience during the COVID-19 pandemic. <i>BMJ Innovations</i> , 2021, 7, 311-315. | 1.0 | 16 |
| 23 | Bicuspid aortic valve annulus: assessment of geometry and size changes during the cardiac cycle as measured with a standardized method to define the annular plane. <i>European Radiology</i> , 2021, 31, 8116-8129. | 2.3 | 5 |
| 24 | Coronary aneurysm in a young patient with Turner syndrome. <i>Cardiology in the Young</i> , 2021, 31, 1019-1020. | 0.4 | 0 |
| 25 | Evaluating a calcium-aware kernel for CT CAC scoring with varying surrounding materials and heart rates: a dynamic phantom study. <i>European Radiology</i> , 2021, 31, 9211-9220. | 2.3 | 5 |
| 26 | Impact of Interventricular membranous septum length on pacemaker need with different Transcatheter aortic valve implantation systems. <i>International Journal of Cardiology</i> , 2021, 333, 152-158. | 0.8 | 13 |
| 27 | A case report of an interrupted inferior vena cava and azygos continuation: implications for preoperative screening in minimally invasive cardiac surgery. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab308. | 0.3 | 1 |
| 28 | Intimal aortic atherosclerosis in cardiac surgery: surgical strategies to prevent embolic stroke. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 60, 1259-1267. | 0.6 | 7 |
| 29 | ¹⁸ F-FDG-Uptake in Mediastinal Lymph Nodes in Suspected Prosthetic Valve Endocarditis: Predictor or Confounder?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 717774. | 1.1 | 1 |
| 30 | Clinical implementation of coronary computed tomography angiography for routine detection of cardiac allograft vasculopathy in heart transplant patients. <i>Transplant International</i> , 2021, 34, 1886-1894. | 0.8 | 9 |
| 31 | Novel Morphological Features on CMR for the Prediction of Pathogenic Sarcomere Gene Variants in Subjects Without Hypertrophic Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 727405. | 1.1 | 4 |
| 32 | Preoperative Chest Computed Tomography Screening for Coronavirus Disease 2019 in Asymptomatic Patients Undergoing Cardiac Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021, 33, 417-424. | 0.4 | 7 |
| 33 | Coronary CT angiography for improved assessment of patients with acute chest pain and low-range positive high-sensitivity troponins: study protocol for a prospective, observational, multicentre study (COURSE trial). <i>BMJ Open</i> , 2021, 11, e049349. | 0.8 | 3 |
| 34 | Screening for coronary artery disease in early surgical treatment of acute aortic valve infective endocarditis. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 32, 522-529. | 0.5 | 6 |
| 35 | Dose Reduction in Coronary Artery Calcium Scoring Using Mono-Energetic Images from Reduced Tube Voltage Dual-Source Photon-Counting CT Data: A Dynamic Phantom Study. <i>Diagnostics</i> , 2021, 11, 2192. | 1.3 | 22 |
| 36 | Transcatheter Aortic Valve Implantation: The Evolving Role of the Radiologist in 2021. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 1411-1425. | 0.7 | 2 |

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|----|--|-----|-----------|
| 37 | Effect of routine preoperative screening for aortic calcifications using noncontrast computed tomography on stroke rate in cardiac surgery: the randomized controlled CRICKET study. <i>European Radiology</i> , 2021, , 1. | 2.3 | 2 |
| 38 | Transcatheter tricuspid valve-in-ring placement: complex valve obstruction by hypo-attenuating leaflet thickening, hypo-attenuation affecting motion, and native tricuspid valve remnant. <i>European Heart Journal</i> , 2020, 41, 973-973. | 1.0 | 0 |
| 39 | CT and MR imaging prior to transcatheter aortic valve implantation: standardisation of scanning protocols, measurements and reporting—a consensus document by the European Society of Cardiovascular Radiology (ESCR). <i>European Radiology</i> , 2020, 30, 2627-2650. | 2.3 | 123 |
| 40 | HEART score improves efficiency of coronary computed tomography angiography in patients suspected of acute coronary syndrome in the emergency department. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, 23-29. | 0.4 | 6 |
| 41 | Ventricular response to dobutamine stress cardiac magnetic resonance imaging is associated with adverse outcome during 8-year follow-up in patients with repaired Tetralogy of Fallot. <i>European Heart Journal Cardiovascular Imaging</i> , 2020, 21, 1039-1046. | 0.5 | 6 |
| 42 | Aortic calcifications on routine preoperative chest X-ray and perioperative stroke during cardiac surgery: a nested matched case-control study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 30, 507-514. | 0.5 | 3 |
| 43 | Variability in Echocardiographic Ascending Aortic Diameters due to Image Acquisition by Different Sonographers. <i>Journal of the American Society of Echocardiography</i> , 2020, 33, 249-252.e4. | 1.2 | 0 |
| 44 | Sex-specific distributions and determinants of thoracic aortic diameters in the elderly. <i>Heart</i> , 2020, 106, 133-139. | 1.2 | 22 |
| 45 | Technological developments of X-ray computed tomography over half a century: User's influence on protocol optimization. <i>European Journal of Radiology</i> , 2020, 131, 109261. | 1.2 | 31 |
| 46 | The clinical impact of phase offset errors and different correction methods in cardiovascular magnetic resonance phase contrast imaging: a multi-scanner study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 68. | 1.6 | 10 |
| 47 | Left ventricular global longitudinal strain in bicuspid aortic valve patients: head-to-head comparison between computed tomography, 4D flow cardiovascular magnetic resonance and speckle-tracking echocardiography. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 1771-1780. | 0.7 | 5 |
| 48 | 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. | 2.3 | 15 |
| 49 | Surgically implanted aortic valve bioprostheses deform after implantation: insights from computed tomography. <i>European Radiology</i> , 2020, 30, 2651-2657. | 2.3 | 1 |
| 50 | Frequency and Significance of Coronary Artery Disease and Myocardial Bridging in Patients With Hypertrophic Cardiomyopathy. <i>American Journal of Cardiology</i> , 2020, 125, 1404-1412. | 0.7 | 19 |
| 51 | Dose reduction for CT coronary calcium scoring with a calcium-aware image reconstruction technique: a phantom study. <i>European Radiology</i> , 2020, 30, 3346-3355. | 2.3 | 16 |
| 52 | Prognostic Value of Subclinical Coronary Artery Disease in Atrial Fibrillation Patients Identified by Coronary Computed Tomography Angiography. <i>American Journal of Cardiology</i> , 2020, 126, 16-22. | 0.7 | 12 |
| 53 | Abnormal Aortic Wall Properties in Women with Turner Syndrome. <i>Aorta</i> , 2020, 08, 121-131. | 0.1 | 5 |
| 54 | CT angiography for depiction of complications after the Bentall procedure. <i>British Journal of Radiology</i> , 2019, 92, 20180226. | 1.0 | 6 |

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|----|---|-----|-----------|
| 55 | Intermodality variation of aortic dimensions: How, where and when to measure the ascending aorta. <i>International Journal of Cardiology</i> , 2019, 276, 230-235. | 0.8 | 31 |
| 56 | Psychological well-being in patients with aneurysms and osteoarthritis syndrome. <i>American Journal of Medical Genetics, Part A</i> , 2019, 179, 1491-1497. | 0.7 | 3 |
| 57 | Coronary artery calcification in middle-aged women with premature ovarian insufficiency. <i>Clinical Endocrinology</i> , 2019, 91, 314-322. | 1.2 | 18 |
| 58 | Automated 3D segmentation and diameter measurement of the thoracic aorta on non-contrast enhanced CT. <i>European Radiology</i> , 2019, 29, 4613-4623. | 2.3 | 45 |
| 59 | Acute Pump Thrombosis in the Early Postoperative Period After HeartMate 3 Implantation. <i>ASAIO Journal</i> , 2019, 65, e72-e74. | 0.9 | 9 |
| 60 | Quadricuspid Neoaortic Valve in Truncus Arteriosus Type II. <i>Radiology: Cardiothoracic Imaging</i> , 2019, 1, e190074. | 0.9 | 0 |
| 61 | Coronary anatomy in Turner syndrome versus patients with isolated bicuspid aortic valves. <i>Heart</i> , 2019, 105, 701-707. | 1.2 | 7 |
| 62 | Comparison of the Diagnostic Performance of Coronary Computed Tomography Angiography-Derived Fractional Flow Reserve in Patients With Versus Without Diabetes Mellitus (from the MACHINE) <i>Tj ETQqO 0 0 rgBT (Overlock 10 Tf 50 45</i> | 0.9 | 0 |
| 63 | Accuracy of automated patient positioning in CT using a 3D camera for body contour detection. <i>European Radiology</i> , 2019, 29, 2079-2088. | 2.3 | 47 |
| 64 | Frequency of abnormal findings on routine chest radiography before cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 2035-2040. | 0.4 | 12 |
| 65 | ¹⁸ F-fluorodeoxyglucose positron emission/computed tomography and computed tomography angiography in prosthetic heart valve endocarditis: from guidelines to clinical practice. <i>European Heart Journal</i> , 2018, 39, 3739-3749. | 1.0 | 49 |
| 66 | Standardized uptake values in FDG PET/CT for prosthetic heart valve endocarditis: a call for standardization. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 2084-2091. | 1.4 | 22 |
| 67 | Radiation dose reduction for CT assessment of urolithiasis using iterative reconstruction: A prospective intra-individual study. <i>European Radiology</i> , 2018, 28, 143-150. | 2.3 | 17 |
| 68 | Iodixanol versus Iopromide at Coronary CT Angiography: Lumen Opacification and Effect on Heart Rhythm—the Randomized IsoCOR Trial. <i>Radiology</i> , 2018, 286, 71-80. | 3.6 | 19 |
| 69 | Advanced CT acquisition protocol with a third-generation dual-source CT scanner and iterative reconstruction technique for comprehensive prosthetic heart valve assessment. <i>European Radiology</i> , 2018, 28, 2159-2168. | 2.3 | 21 |
| 70 | Comprehensive Cardiac CT With Myocardial Perfusion Imaging Versus Functional Testing in Suspected Coronary Artery Disease. <i>JACC: Cardiovascular Imaging</i> , 2018, 11, 1625-1636. | 2.3 | 90 |
| 71 | Recognition, assessment and management of the mechanical complications of acute myocardial infarction. <i>Heart</i> , 2018, 104, 1216-1223. | 1.2 | 30 |
| 72 | Computed tomography image quality of aortic stents in patients with aortic coarctation: a multicentre evaluation. <i>European Radiology Experimental</i> , 2018, 2, 17. | 1.7 | 7 |

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|----|--|-----|-----------|
| 73 | Emphysema quantification using chest CT: influence of radiation dose reduction and reconstruction technique. <i>European Radiology Experimental</i> , 2018, 2, 30. | 1.7 | 29 |
| 74 | Screening for thoracic aortic pathology: Clinical practice in a single tertiary center. <i>Congenital Heart Disease</i> , 2018, 13, 988-996. | 0.0 | 1 |
| 75 | Hybrid 18F-fluorodeoxyglucose positron emission tomography/CT angiography in percutaneous pulmonary prosthetic valve endocarditis. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1188-1189. | 0.5 | 2 |
| 76 | Early stentframe thrombosis complicating transcatheter valve in transcatheter valve implantation. <i>European Heart Journal</i> , 2017, 38, ehw538. | 1.0 | 1 |
| 77 | Quantification of aortic annulus in computed tomography angiography: Validation of a fully automatic methodology. <i>European Journal of Radiology</i> , 2017, 93, 1-8. | 1.2 | 12 |
| 78 | Peri-aortic fluid after surgery on the ascending aorta: Worrisome indicator of complications or innocent postoperative finding?. <i>European Journal of Radiology</i> , 2017, 95, 332-341. | 1.2 | 6 |
| 79 | Herniated liver mimicking an intracardiac mass in a newborn with omphalocele. <i>Journal of Cardiovascular Computed Tomography</i> , 2017, 11, 153-154. | 0.7 | 0 |
| 80 | Radiation dose reduction in pediatric great vessel stent computed tomography using iterative reconstruction: A phantom study. <i>PLoS ONE</i> , 2017, 12, e0175714. | 1.1 | 4 |
| 81 | Knowledge-based reconstruction for measurement of right ventricular volumes on cardiovascular magnetic resonance images in a mixed population. <i>Congenital Heart Disease</i> , 2017, 12, 561-569. | 0.0 | 1 |
| 82 | Clozapine-induced myocarditis. <i>Schizophrenia Research</i> , 2016, 174, 161-164. | 1.1 | 15 |
| 83 | Confounders in FDG-PET/CT Imaging of Suspected Prosthetic Valve Endocarditis. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1462-1465. | 2.3 | 56 |
| 84 | Inter-observer and inter-examination variability of manual vertebral bone attenuation measurements on computed tomography. <i>European Radiology</i> , 2016, 26, 3046-3053. | 2.3 | 43 |
| 85 | Ultra low-dose chest ct with iterative reconstructions as an alternative to conventional chest x-ray prior to heart surgery (CRICKET study): Rationale and design of a multicenter randomized trial. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 242-245. | 0.7 | 14 |
| 86 | Effect of computed tomography before cardiac surgery on surgical strategy, mortality and stroke. <i>European Journal of Radiology</i> , 2016, 85, 744-750. | 1.2 | 20 |
| 87 | Dose reduction with iterative reconstruction for coronary CT angiography: a systematic review and meta-analysis. <i>British Journal of Radiology</i> , 2016, 89, 20150068. | 1.0 | 43 |
| 88 | Cardiovascular imaging in pediatric patients using dual source CT. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 13-21. | 0.7 | 42 |
| 89 | Multidetector-row computed tomography for prosthetic heart valve dysfunction: is concomitant non-invasive coronary angiography possible before redo-surgery?. <i>European Radiology</i> , 2015, 25, 1623-1630. | 2.3 | 10 |
| 90 | Are novel non-invasive imaging techniques needed in patients with suspected prosthetic heart valve endocarditis? A systematic review and meta-analysis. <i>European Radiology</i> , 2015, 25, 2125-2133. | 2.3 | 81 |

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|----|--|-----|-----------|
| 91 | Cardiac computed tomography angiography results in diagnostic and therapeutic change in prosthetic heart valve endocarditis. International Journal of Cardiovascular Imaging, 2014, 30, 377-387. | 0.7 | 72 |
| 92 | Iterative reconstruction techniques for computed tomography part 2: initial results in dose reduction and image quality. European Radiology, 2013, 23, 1632-1642. | 2.3 | 232 |
| 93 | Iterative reconstruction techniques for computed tomography Part 1: Technical principles. European Radiology, 2013, 23, 1623-1631. | 2.3 | 335 |
| 94 | Automated 3D Analysis of Pre-Procedural MDCT to Predict Annulus Plane Angulation and C-Arm Positioning. JACC: Cardiovascular Imaging, 2013, 6, 238-248. | 2.3 | 57 |
| 95 | Aortic root dimension changes during systole and diastole: evaluation with ECG-gated multidetector row computed tomography. International Journal of Cardiovascular Imaging, 2011, 27, 1195-1204. | 0.7 | 90 |
| 96 | Limitations of Transcatheter Heart Valve Replacement Depth Assessment by Invasive Angiographyâ€”a Multi-Detector Computed Tomography Analysis. Structural Heart, 0, , 1-3. | 0.2 | 0 |
| 97 | Distribution of Aortic Root Calcium in Relation to Frame Expansion and Paravalvular Leakage After Transcatheter Aortic Valve Implantation (TAVI): An Observational Study Using a Patient-specific Contrast Attenuation Coefficient for Calcium Definition and Independent Core Lab Analysis of Paravalvular Leakage. Journal of Cardiovascular Imaging, 0, 30, . | 0.2 | 1 |