

Dominik C Benz

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,278
citations

394421

19
h-index

434195

31
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76
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76
docs citations

76
times ranked

1652
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Transluminal attenuation gradient derived from coronary CT angiography to predict ischemia in SPECT myocardial perfusion imaging: Effect of coronary cross-sectional area. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 350-358. | 2.1 | 1 |
| 2 | Splenic switch-off as a novel marker for adenosine response in nitrogen-13 ammonia PET myocardial perfusion imaging: Cross-validation against CMR using a hybrid PET/MR device. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1205-1214. | 2.1 | 12 |
| 3 | Radiation dose reduction with deep-learning image reconstruction for coronary computed tomography angiography. <i>European Radiology</i> , 2022, 32, 2620-2628. | 4.5 | 21 |
| 4 | Low-dose CT from myocardial perfusion SPECT/CT allows the detection of anemia in preoperative patients. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 3236-3247. | 2.1 | 3 |
| 5 | Value of 12-lead electrocardiogram to predict myocardial scar on FDG PET in heart failure patients. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 1364-1373. | 2.1 | 12 |
| 6 | How equilibrium radionuclide angiography can quantify tricuspid regurgitation. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 873-875. | 2.1 | 1 |
| 7 | Role of quantitative myocardial blood flow and 13N-ammonia washout for viability assessment in ischemic cardiomyopathy. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 263-273. | 2.1 | 13 |
| 8 | Myocardial creep-induced misalignment artifacts in PET/MR myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 406-413. | 6.4 | 4 |
| 9 | Quantification of perivascular inflammation does not provide incremental prognostic value over myocardial perfusion imaging and calcium scoring. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1806-1812. | 6.4 | 17 |
| 10 | Prognostic Value of Quantitative Metrics From Positron Emission Tomography in Ischemic Heart Failure. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 454-464. | 5.3 | 16 |
| 11 | (18)F-sodium fluoride PET in multiple myeloma: Linking cancer to atherosclerosis?. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 3055-3057. | 2.1 | 1 |
| 12 | Coronary artery lumen volume index as a marker of flow-limiting atherosclerosis validation against 13N-ammonia positron emission tomography. <i>European Radiology</i> , 2021, 31, 5116-5126. | 4.5 | 1 |
| 13 | Splenic switch-off as a predictor for coronary adenosine response: validation against 13N-ammonia during co-injection myocardial perfusion imaging on a hybrid PET/CMR scanner. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 3. | 3.3 | 12 |
| 14 | Prognostic value of regional myocardial flow reserve derived from 13N-ammonia positron emission tomography in patients with suspected coronary artery disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 49, 311-320. | 6.4 | 5 |
| 15 | Sex and age differences in the association of heart rate responses to adenosine and myocardial ischemia in patients undergoing myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 159-170. | 2.1 | 11 |
| 16 | New insights in the assessment of left ventricular dyssynchrony: Laying the foundations for phase analysis by cardiac SPECT. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2280-2282. | 2.1 | 0 |
| 17 | The winding road towards respiratory motion correction: is this just another dead-end or do we finally get breathing under control?. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2231-2233. | 2.1 | 3 |
| 18 | Ultra-low-dose computed tomography for attenuation correction of cadmium-zinc-telluride single photon emission computed tomography myocardial perfusion imaging. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 228-237. | 2.1 | 10 |

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|----|---|-----|-----------|
| 19 | Association between vertebral bone mineral density, myocardial perfusion, and long-term cardiovascular outcomes: A sex-specific analysis. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 726-736. | 2.1 | 7 |
| 20 | Myocardial blood flow and cardiac sympathetic innervation in young adults late after arterial switch operation for transposition of the great arteries. <i>International Journal of Cardiology</i> , 2020, 299, 110-115. | 1.7 | 14 |
| 21 | Fractional flow reserve as the standard of reference: All that glistens is not gold. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1314-1316. | 2.1 | 5 |
| 22 | Sudden Cardiac Death in Ischemic Heart Disease. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2223-2238. | 5.3 | 20 |
| 23 | Coronary artery volume index: a novel CCTA-derived predictor for cardiovascular events. <i>International Journal of Cardiovascular Imaging</i> , 2020, 36, 713-722. | 1.5 | 6 |
| 24 | Artificial intelligence for detecting small FDG-positive lung nodules in digital PET/CT: impact of image reconstructions on diagnostic performance. <i>European Radiology</i> , 2020, 30, 2031-2040. | 4.5 | 39 |
| 25 | Potential of Radiation Dose Reduction by Optimizing Z-Axis Coverage in Coronary Computed Tomography Angiography on a Latest-Generation 256-Slice Scanner. <i>Journal of Computer Assisted Tomography</i> , 2020, 44, 289-294. | 0.9 | 1 |
| 26 | Validation of deep-learning image reconstruction for coronary computed tomography angiography: Impact on noise, image quality and diagnostic accuracy. <i>Journal of Cardiovascular Computed Tomography</i> , 2020, 14, 444-451. | 1.3 | 105 |
| 27 | Noninvasive Assessment of Coronary Artery Disease – Anatomical versus Functional Imaging and the Marginal Role of Exercise Electrocardiograms. <i>Praxis</i> , 2020, 109, 1141-1149. | 0.4 | 1 |
| 28 | Impact of Adaptive Statistical Iterative Reconstruction-V on Coronary Artery Calcium Scores Obtained From Low-Tube-Voltage Computed Tomography – A Patient Study. <i>Academic Radiology</i> , 2020, , . | 2.5 | 3 |
| 29 | No differences in rest myocardial blood flow in stunned and hibernating myocardium: insights into the pathophysiology of ischemic cardiomyopathy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2322-2328. | 6.4 | 9 |
| 30 | Enhanced radiation exposure associated with anterior-posterior x-ray tube position in young women undergoing cardiac computed tomography. <i>American Heart Journal</i> , 2019, 215, 91-94. | 2.7 | 4 |
| 31 | Heart rate reserve is a long-term risk predictor in women undergoing myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2032-2041. | 6.4 | 12 |
| 32 | Sex Differences in the Association between Inflammation and Ischemic Heart Disease. <i>Thrombosis and Haemostasis</i> , 2019, 119, 1471-1480. | 3.4 | 22 |
| 33 | Metabolic Activity in Central Neural Structures of Patients With Myocardial Injury. <i>Journal of the American Heart Association</i> , 2019, 8, e013070. | 3.7 | 4 |
| 34 | A three-dimensional quantification of calcified and non-calcified plaques in coronary arteries based on computed tomography coronary angiography images: Comparison with expert's annotations and virtual histology intravascular ultrasound. <i>Computers in Biology and Medicine</i> , 2019, 113, 103409. | 7.0 | 20 |
| 35 | Quantification of intrathoracic fat adds prognostic value in women undergoing myocardial perfusion imaging. <i>International Journal of Cardiology</i> , 2019, 292, 258-264. | 1.7 | 9 |
| 36 | A guide for Gensini Score calculation. <i>Atherosclerosis</i> , 2019, 287, 181-183. | 0.8 | 131 |

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|----|--|-----|-----------|
| 37 | Association between resting amygdalar activity and abnormal cardiac function in women and men: a retrospective cohort study. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 625-632. | 1.2 | 24 |
| 38 | Heart rate reserve during pharmacological stress is a significant negative predictor of impaired coronary flow reserve in women. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1257-1267. | 6.4 | 18 |
| 39 | Association between beta-adrenoceptor antagonist-induced sympathicolysis and severity of coronary artery disease as assessed by coronary computed tomography angiography (CCTA). <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 927-936. | 1.5 | 1 |
| 40 | Imaging the event-prone coronary artery plaque. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 141-153. | 2.1 | 20 |
| 41 | Corrected coronary opacification decrease from coronary computed tomography angiography: Validation with quantitative ¹³ N-ammonia positron emission tomography. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 561-568. | 2.1 | 13 |
| 42 | Cardiac resynchronization therapy in chronic heart failure: Effect on right ventricular function. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 133-135. | 2.1 | 3 |
| 43 | Do we really need to look at volumetric measurements with ^{99m} Tc single photon emission computed tomography (SPECT) myocardial perfusion imaging?. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1717-1719. | 2.1 | 0 |
| 44 | Sports Behavior in Middle-Aged Individuals with Anomalous Coronary Artery from the Opposite Sinus of Valsalva. <i>Cardiology</i> , 2018, 139, 222-230. | 1.4 | 7 |
| 45 | Impact of cardiac hybrid imaging-guided patient management on clinical long-term outcome. <i>International Journal of Cardiology</i> , 2018, 261, 218-222. | 1.7 | 12 |
| 46 | Ultra-low-dose coronary artery calcium scoring using novel scoring thresholds for low tube voltage protocols—a pilot study. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 1362-1371. | 1.2 | 34 |
| 47 | Non-invasive screening for coronary artery disease in asymptomatic diabetic patients: a systematic review and meta-analysis of randomised controlled trials. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 838-846. | 1.2 | 36 |
| 48 | Breathless or breathtaking: Respiratory motion correction. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 429-432. | 2.1 | 3 |
| 49 | Extracardiac findings on computed tomography attenuation correction: Is it worth paying extra attention?. <i>Journal of Nuclear Cardiology</i> , 2018, 25, 1584-1587. | 2.1 | 2 |
| 50 | Head-to-head comparison of adaptive statistical and model-based iterative reconstruction algorithms for submillisievert coronary CT angiography. <i>European Heart Journal Cardiovascular Imaging</i> , 2018, 19, 193-198. | 1.2 | 24 |
| 51 | Age- and sex-dependent changes in sympathetic activity of the left ventricular apex assessed by ¹⁸ F-DOPA PET imaging. <i>PLoS ONE</i> , 2018, 13, e0202302. | 2.5 | 29 |
| 52 | Sex differences in the long-term prognostic value of ¹³ N-ammonia myocardial perfusion positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1964-1974. | 6.4 | 21 |
| 53 | Hybrid SPECT Perfusion Imaging and Coronary CT Angiography: Long-term Prognostic Value for Cardiovascular Outcomes. <i>Radiology</i> , 2018, 288, 694-702. | 7.3 | 35 |
| 54 | Hybrid CCTA/SPECT myocardial perfusion imaging findings in patients with anomalous origin of coronary arteries from the opposite sinus and suspected concomitant coronary artery disease. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 226-234. | 2.1 | 34 |

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|----|--|-----|-----------|
| 55 | Real-time respiratory triggered SPECT myocardial perfusion imaging using CZT technology: impact of respiratory phase matching between SPECT and low-dose CT for attenuation correction. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 31-38. | 1.2 | 12 |
| 56 | The right timing for post-ischemic stunning. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1302-1304. | 2.1 | 6 |
| 57 | A low-dose and an ultra-low-dose contrast agent protocol for coronary CT angiography in a clinical setting: quantitative and qualitative comparison to a standard dose protocol. <i>British Journal of Radiology</i> , 2017, 90, 20160933. | 2.2 | 12 |
| 58 | Long-term prognostic performance of low-dose coronary computed tomography angiography with prospective electrocardiogram triggering. <i>European Radiology</i> , 2017, 27, 4650-4660. | 4.5 | 21 |
| 59 | Long-term outcome prediction by functional parameters derived from coronary computed tomography angiography. <i>International Journal of Cardiology</i> , 2017, 243, 533-537. | 1.7 | 12 |
| 60 | Third-degree atrioventricular block: tip of the iceberg of a systemic disease. <i>European Heart Journal</i> , 2017, 38, 1349-1349. | 2.2 | 3 |
| 61 | Outcome in middle-aged individuals with anomalous origin of the coronary artery from the opposite sinus: a matched cohort study. <i>European Heart Journal</i> , 2017, 38, 2009-2016. | 2.2 | 41 |
| 62 | How to stop breathing: On the matter of getting respiratory motion under control. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1608-1609. | 2.1 | 3 |
| 63 | Automatic Valve Plane Localization in Myocardial Perfusion SPECT/CT by Machine Learning: Anatomic and Clinical Validation. <i>Journal of Nuclear Medicine</i> , 2017, 58, 961-967. | 5.0 | 56 |
| 64 | Fused cardiac hybrid imaging with coronary computed tomography angiography and positron emission tomography in patients with complex coronary artery anomalies. <i>Congenital Heart Disease</i> , 2017, 12, 49-57. | 0.2 | 21 |
| 65 | Diagnostic accuracy of coronary opacification derived from coronary computed tomography angiography to detect ischemia: first validation versus single-photon emission computed tomography. <i>EJNMMI Research</i> , 2017, 7, 92. | 2.5 | 5 |
| 66 | Catheter interventional treatment of congenital portosystemic venous shunts in childhood. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 87, 1281-1292. | 1.7 | 35 |
| 67 | Adaptive Statistical Iterative Reconstruction-V. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 958-963. | 0.9 | 39 |
| 68 | Minimized Radiation and Contrast Agent Exposure for Coronary Computed Tomography Angiography: First Clinical Experience on a Latest Generation 256-slice Scanner. <i>Academic Radiology</i> , 2016, 23, 1008-1014. | 2.5 | 48 |
| 69 | Quantification of epicardial and intrathoracic fat volume does not provide an added prognostic value as an adjunct to coronary artery calcium score and myocardial perfusion single-photon emission computed tomography. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 885-891. | 1.2 | 11 |
| 70 | Impact of monochromatic coronary computed tomography angiography from single-source dual-energy CT on coronary stenosis quantification. <i>Journal of Cardiovascular Computed Tomography</i> , 2016, 10, 135-140. | 1.3 | 21 |
| 71 | Moving ahead with CZT technology. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 527-528. | 2.1 | 2 |
| 72 | Association of left bundle branch block with obstructive coronary artery disease on coronary CT angiography: a case-control study. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 17, 765-771. | 1.2 | 6 |

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|----|--|-----|-----------|
| 73 | Prevalence and characteristics of coronary artery anomalies detected by coronary computed tomography angiography in 5634 consecutive patients in a single centre in Switzerland. Swiss Medical Weekly, 2016, 146, w14294. | 1.6 | 32 |
| 74 | Ultra-low-dose hybrid single photon emission computed tomography and coronary computed tomography angiography: a comprehensive and non-invasive diagnostic workup of suspected coronary artery disease. European Heart Journal, 2015, 36, 3345-3345. | 2.2 | 19 |
| 75 | Interventional closure of RPA-to-LA communication in an oligosymptomatic neonate. European Journal of Pediatrics, 2014, 173, 1703-1705. | 2.7 | 2 |