

I: Autorenschaften Sebastian Reinartz

Nr.	Referenz	IF
1	Reinartz, S. , B. Diefenbach, T. Allmendinger, C. Kuhl and A. Mahnken (2012). "Reconstructions with identical filling (RIF) of the heart: a physiological approach to image reconstruction in coronary CT angiography." <i>European radiology</i> 22(12): 2670-2678.	3,962
2	Reinartz, S. D. , M. Winkler, S. B. Diefenbach, T. Allmendinger, T. Penzkofer, C. K. Kuhl and A. H. Mahnken (2017). "Reconstructions Using RIF in Motion Mapping Technique Have Substantially Less Arrhythmogenic Artifacts in Dual-source Coronary CTA." <i>Academic Radiology</i> 24(2): 167-174.	2,267
3	Reinartz, S. D. , C. K. Kuhl, K. Fehrenbacher and A. Napp (2018). "Magic Angle in Cardiac CT: Eliminating Clinically Relevant Metal Artifacts in Pacemaker Leads with a Lead-Tip/Gantry Angle of $\leq 70^\circ$." <i>Academic Radiology</i> 25(7): 898-903.	2,267
4	Reinartz, S. D. , R. F. Gohmann, F. Hardt, J. Schmoe, T. Dirrichs, E. Tietz, C. K. Kuhl, K. Fehrenbacher and A. Napp (2019). "Leadless Cardiac Pacemaker (LCP) without Diagnostic Relevant Artifacts in DualSource and DualEnergy-CT Examinations in First-to Third-Generation DSCT Scanner." <i>Academic Radiology</i> 26(8): 1071-1076.	2,267
5	Reinartz, S. D. , M. Imhoff, R. Tolba, F. Fischer, E. G. Fischer, E. Teschner, S. Koch, Y. Garber, P. Isfort and F. Gremse (2019). "EIT monitors valid and robust regional ventilation distribution in pathologic ventilation states in porcine study using differential DualEnergy-CT (DeltaDECT)." <i>Sci Rep</i> 9(1): 9796.	4,011
6	Saritas, T., S. D. Reinartz , J. Nadal, J. Schmoe, M. Schmid, M. Marwan, S. Achenbach, S. Störk, C. Wanner and K.-U. Eckardt (2020). "Epicardial fat, cardiovascular risk factors and calcifications in patients with chronic kidney disease." <i>Clinical kidney journal</i> 13(4): 571-579. (equally contributing)	2,975
7	Schmoe, J., T. Dirrichs, K. Fehrenbacher, E. Tietz, F. Hardt, M. Schmid, R. F. Gohmann and S. D. Reinartz (2020). "Virtual monoenergetic images (VMI+) in dual-source dual-energy CT venography (DSDE-CTV) of the lower extremity prior to coronary artery bypass graft (CABG): a feasibility study." <i>Academic Radiology</i> 27(9): 1249-1254.	2,267
8	Hardt, F., M. Becker, V. Brandenburg, J. Grebe, T. Dirrichs, R. Gohmann, K. Fehrenbacher, J. Schmoe and S. Reinartz (2020). "Impact of epicardial adipose tissue volume upon left ventricular dysfunction in patients with mild-to-moderate aortic stenosis: A post-hoc analysis." <i>Plos one</i> 15(3): e0229636.	2,776

- 9 Molwitz, I., A. Othman, A. Brendlin, S. Afat, J. Barkhausen and **S. D. Reinartz** (2021). 0,803
"Digital teaching with, during and after COVID-19." *Der Radiologe*.
- 10 Rauen, T. and **S. Reinartz** (2021). "63/f-Fever, dyspnea, cough and acute kidney injury: 0,834
Preparation for the medical specialist examination: part 53." *Der Internist* 62(Suppl 4):
368-371.
- 11 Roehl, A. B., M. Hein, J. Kroencke, F. Kork, A. Koch, A. Andert, M. Becker, J. Schmöe and 4,964
S. D. Reinartz (2021). "Cardiovascular Evaluation of Liver Transplant Patients by Using
Coronary Calcium Scoring in ECG-Synchronized Computed Tomographic Scans."
Journal of Clinical Medicine 10(21): 5148.
- 12 Siepmann, R., H. Nilius, F. Mueller, K. Mueller, C. Luisi, S. M. Dadfar, M. Straub, V. 3,752
Schulz and **S. D. Reinartz** (2021). "Image-derived mean velocity measurement for
prediction of coronary flow reserve in a canonical stenosis phantom using magnetic
particle imaging." *Plos one* 16(4): e0249697.
- 13 Saritas, T., **S. Reinartz**, T. Krüger, M. Ketteler, O. Liangos, L. Labriola, P. Stenvinkel, C. 5,358
Kopp, R. Westenfeld and P. Evenepoel (2022). "Vitamin K1 and progression of
cardiovascular calcifications in hemodialysis patients: the VitaVasK randomized
controlled trial." *Clinical Kidney Journal*. **(equally contributing)**
- 14 **Reinartz, S.**, & Fischbach, K. (2022). Ischämische Herzkrankheit. *Die Radiologie*, 62(11), 0,803
960-970.

II: Ko-Autorenschaften

1. Ortlepp, J. R., J. Graf, K. Vesper, F. Schmitz, V. Mevissen, **S. Sucigan**, A. Kersten, C. Weber and U. Janssens (2005). "Relationship of five inflammatory gene polymorphisms with morbidity and mortality in 533 patients admitted to an ICU." *Inflammation* 29(2): 65-71.
2. Graf, J., C. Mühlhoff, G. S. Doig, **S. Reinartz**, K. Bode, R. Dujardin, K.-C. Koch, E. Roeb and U. Janssens (2008). "Health care costs, long-term survival, and quality of life following intensive care unit admission after cardiac arrest." *Critical Care* 12(4): 1-9.
3. Koos, R., A. H. Mahnken, **S. Reinartz**, R. Herpertz, S. Lofti, R. d. Autschbach, N. Marx and R. Hoffmann (2012). *Impact of Aortic Valve Calcification Severity and Impaired Left Ventricular Function on Three-Year Results of Patients Undergoing Transcatheter Aortic Valve Replacement*, Lippincott Williams & Wilkins.
4. Mahnken, A. H., T. Allmendinger, M. Sedlmair, M. Tamm, **S. D. Reinartz** and T. Flohr (2012). "Full field image reconstruction is suitable for high-pitch dual-source computed tomography." *Investigative Radiology* 47(11): 642-648.

5. Reith, S., **S. D. Reinartz**, M. Burgmaier, N. Marx and A. H. Mahnken (2013). "Efficacy and safety of transcatheter coil embolization in congenital coronary artery fistulas guided by preinterventional cardiac computed tomography." *Coronary Artery Disease* 24(5): 422-430.
6. Koos, R., **S. Reinartz**, S. Lotfi, R. Autschbach, R. Hoffmann and N. Marx (2014). "Impact of aortic valve calcifications severity on five-year results of patients undergoing transcatheter aortic valve replacement" *Journal of the American College of Cardiology* 63(12S): A1959-A1959.
7. Brandenburg, V. M., **S. Reinartz**, N. Kaesler, T. Krüger, T. Dirrachs, R. Kramann, F. Peeters, J. Floege, A. Keszei and N. Marx (2017). "Slower progress of aortic valve calcification with vitamin K supplementation: results from a prospective interventional proof-of-concept study." *Circulation* 135(21): 2081-2083.
8. Dirrachs, T., T. Penzkofer, **S. D. Reinartz**, T. Kraus, A. H. Mahnken and C. K. Kuhl (2015). "Extracoronary thoracic and coronary artery calcifications on chest CT for lung cancer screening: association with established cardiovascular risk factors-the "CT-Risk" trial." *Academic radiology* 22(7): 880-889.
9. Haak, D., C.-E. Page, **S. Reinartz**, T. Krüger and T. M. Deserno (2015). "DICOM for clinical research: PACS-integrated electronic data capture in multi-center trials." *Journal of digital imaging* 28(5): 558-566.
10. Manka, R., L. Wissmann, R. Gebker, R. Jogiya, M. Motwani, M. Frick, **S. Reinartz**, B. Schnackenburg, M. Niemann and A. Gotschy... (2015). "Multicenter evaluation of dynamic three-dimensional magnetic resonance myocardial perfusion imaging for the detection of coronary artery disease defined by fractional flow reserve." *Circulation: Cardiovascular Imaging* 8(5): e003061.
11. Barros, X., T. Dirrachs, R. Koos, **S. Reinartz**, N. Kaesler, R. Kramann, U. Gladziwa, M. Ketteler, J. Floege and N. Marx (2016). "Epicardial adipose tissue in long-term hemodialysis patients: its association with vascular calcification and long-term development." *Journal of Nephrology* 29(2): 241-250.
12. Kirschfink, A., M. Frick, **S. Reinartz** and M. Becker (2016). "An undiagnosed double aortic arch hampers a coronary angiography in a patient with LIMA graft." *European Heart Journal* 37(14): 1169-1169.
13. Kok, M., J. Turek, C. Muhl, **S. D. Reinartz**, R. F. Gohmann, E. C. Nijssen, S. Kats, V. G. van Ommen, B. L. Kietselaer and J. E. Wildberger (2016). "Low contrast media volume in pre-TAVI CT examinations." *European radiology* 26(8): 2426-2435.
14. Brandenburg, V. M., L. J. Schurgers, N. Kaesler, K. Püsche, R. H. van Gorp, G. Leftheriotis, **S. Reinartz**, R. Koos and T. Krüger (2015). "Prevention of vasculopathy by vitamin K supplementation: can we turn fiction into fact?" *Atherosclerosis* 240(1): 10-16.

15. Scheppach, J. B., U. Raff, S. Toncar, C. Ritter, T. Klink, S. Störk, C. Wanner, G. Schlieper, T. Saritas and **S. D. Reinartz** (2018)... "Blood pressure pattern and target organ damage in patients with chronic kidney disease." *Hypertension* 72(4): 929-936.
16. Kalder, J., P. Isfort, **S. D. Reinartz**, F. Gremse, G. G. Yamoah, V. Gesche, D. Kotelis, R. Tolba, M. J. Jacobs and H. Jalaie (2019). "New Large Animal Model for Aortic Aneurysms in the Viscerorenal Segment." *Journal of Surgical Research* 240: 156-164.
17. Dettmer, S., J. Barkhausen, E. Volmer, H.-J. Mentzel, **S. Reinartz**, F. Voigt, F. K. Wacker and B. Baeßler (2021). White Paper: Radiology Curriculum for Undergraduate Medical Education in Germany and Integration into the NKLM 2.0. *RöFo-Fortschritte auf dem Gebiet der Röntgenstrahlen und der bildgebenden Verfahren*, Georg Thieme Verlag KG.
18. Han, T., S. Nebelung, C. Haarbürger, N. Horst, **S. Reinartz**, D. Merhof, F. Kiessling, V. Schulz and D. Truhn (2020). "Breaking medical data sharing boundaries by using synthesized radiographs." *Science advances* 6(49): eabb7973.
19. Stender, B., O. Blanck, **S. D. Reinartz** and O. Dössel (2021). "Separating ventricular activity in thoracic EIT using 4D image-based FEM simulations." *Current Directions in Biomedical Engineering* 7(2): 871-874.
20. Brendlin, A. S., I. Molwitz, T. H. Oechtering, J. Barkhausen, A. Frydrychowicz, T. Sulkowski, M. F. Balks, M. Buchholz, S. Lohwasser..., **S.D.Reinartz** and M. Völker... (2022). CoRad-19–Modular Digital Teaching during the SARS-CoV-2 Pandemic. *RöFo-Fortschritte auf dem Gebiet der Röntgenstrahlen und der bildgebenden Verfahren*, Georg Thieme Verlag KG.
21. Hesselmann, F., J. M. Focke, P. C. Schlanstein, N. B. Steuer, A. Kaesler, **S. D. Reinartz**, T. Schmitz-Rode, U. Steinseifer, S. V. Jansen and J. Arens (2022). "Introducing 3D-potting: A novel production process for artificial membrane lungs with superior blood flow design." *Bio-Design and Manufacturing* 5(1): 141-152.
22. Sieren, M. M., D. Maintz, M. Gutberlet, G. A. Krombach, F. Bamberg, P. Hunold, L. Lehmkuhl, K. Fischbach, **S. Reinartz** and G. Antoch... (2022). Current Status of Cardiovascular Imaging in Germany: Structured Data from the National Certification Program, ESCR Registry, and Survey among Radiologists. *RöFo-Fortschritte auf dem Gebiet der Röntgenstrahlen und der bildgebenden Verfahren*, Georg Thieme Verlag KG.