

# Dr med Dominik Geisel

## List of Publications by Year in descending order

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papers

949  
citations

516215

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552369

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docs citations

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1436  
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#	ARTICLE	IF	CITATIONS
1	Porcine Liver Decellularization Under Oscillating Pressure Conditions: A Technical Refinement to Improve the Homogeneity of the Decellularization Process. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 303-313.	1.1	57
2	Is There Long-term Signal Intensity Increase in the Central Nervous System on T1-weighted Images after MR Imaging with the Hepatospecific Contrast Agent Gadoxetic Acid? A Cross-sectional Study in 91 Patients. <i>Radiology</i> , 2017, 282, 708-716.	3.6	53
3	DNA Double-Strand Breaks after Percutaneous Transluminal Angioplasty. <i>Radiology</i> , 2008, 248, 852-859.	3.6	50
4	Improved rat liver decellularization by arterial perfusion under oscillating pressure conditions. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 531-541.	1.3	48
5	CT Body Composition of Sarcopenia and Sarcopenic Obesity: Predictors of Postoperative Complications and Survival in Patients with Locally Advanced Esophageal Adenocarcinoma. <i>Cancers</i> , 2021, 13, 2921.	1.7	38
6	Imaging-based evaluation of liver function: comparison of <sup>99m</sup> Tc-mebrofenin hepatobiliary scintigraphy and Gd-EOB-DTPA-enhanced MRI. <i>European Radiology</i> , 2015, 25, 1384-1391.	2.3	34
7	Improved Hypertrophy of Future Remnant Liver after Portal Vein Embolization with Plugs, Coils and Particles. <i>CardioVascular and Interventional Radiology</i> , 2014, 37, 1251-1258.	0.9	33
8	Mesenteric Fibrosis in Midgut Neuroendocrine Tumors: Functionality and Radiological Features. <i>Neuroendocrinology</i> , 2018, 106, 139-147.	1.2	33
9	COVID-19 vs. Classical Myocarditis Associated Myocardial Injury Evaluated by Cardiac Magnetic Resonance and Endomyocardial Biopsy. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 737257.	1.1	33
10	DNA double-strand breaks as potential indicators for the biological effects of ionising radiation exposure from cardiac CT and conventional coronary angiography: a randomised, controlled study. <i>European Radiology</i> , 2012, 22, 1641-1650.	2.3	32
11	The catalytically inactive precursor of cathepsin D induces apoptosis in human fibroblasts and HeLa cells. <i>Journal of Cellular Biochemistry</i> , 2007, 101, 1558-1566.	1.2	27
12	Portal vein embolization with plug/coils improves hepatectomy outcome. <i>Journal of Surgical Research</i> , 2015, 194, 202-211.	0.8	27
13	Gd-EOB-DTPA-enhanced MRI for monitoring future liver remnant function after portal vein embolization and extended hemihepatectomy: A prospective trial. <i>European Radiology</i> , 2017, 27, 3080-3087.	2.3	25
14	Cholangiocarcinoma: CT-guided High-Dose Rate Brachytherapy (CT-HDRBT) for Limited (<4 cm) and Large (>4 cm) Tumors. <i>Anticancer Research</i> , 2018, 38, 5843-5852.	0.5	22
15	Predicting liver failure after extended right hepatectomy following right portal vein embolization with gadoxetic acid-enhanced MRI. <i>European Radiology</i> , 2019, 29, 5861-5872.	2.3	22
16	Hepatocellular adenomas: is there additional value in using Gd-EOB-enhanced MRI for subtype differentiation?. <i>European Radiology</i> , 2020, 30, 3497-3506.	2.3	22
17	Increase in left liver lobe function after preoperative right portal vein embolisation assessed with gadolinium-EOB-DTPA MRI. <i>European Radiology</i> , 2013, 23, 2555-2560.	2.3	18
18	Tomoelastography for Measurement of Tumor Volume Related to Tissue Stiffness in Pancreatic Ductal Adenocarcinomas. <i>Investigative Radiology</i> , 2020, 55, 769-774.	3.5	18

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19	Factors influencing hypertrophy of the left lateral liver lobe after portal vein embolization. <i>Langenbeck's Archives of Surgery</i> , 2015, 400, 237-246.	0.8	17
20	Treatment for liver metastasis from renal cell carcinoma with computed-tomography-guided high-dose-rate brachytherapy (CT-HDRBT): a case series. <i>World Journal of Urology</i> , 2013, 31, 1525-1530.	1.2	16
21	Hepatopulmonary shunting in patients with primary and secondary liver tumors scheduled for radioembolization. <i>European Journal of Radiology</i> , 2015, 84, 201-207.	1.2	16
22	Gd-EOB enhanced MRI T1-weighted 3D-GRE with and without elevated flip angle modulation for threshold-based liver volume segmentation. <i>Acta Radiologica</i> , 2015, 56, 1419-1427.	0.5	15
23	COVID-19 convalescence phase unmasks a silent myocardial infarction due to coronary plaque rupture. <i>ESC Heart Failure</i> , 2021, 8, 971-973.	1.4	15
24	Treatment of hepatic metastases from gastric or gastroesophageal adenocarcinoma with computed tomography-guided high-dose-rate brachytherapy (CT-HDRBT). <i>Anticancer Research</i> , 2012, 32, 5453-8.	0.5	14
25	Anatomic variants of arteries often coil-occluded prior to hepatic radioembolization. <i>Acta Radiologica</i> , 2015, 56, 159-165.	0.5	12
26	Engineering an endothelialized, endocrine Neo-Pancreas: Evaluation of islet functionality in an ex vivo model. <i>Acta Biomaterialia</i> , 2020, 117, 213-225.	4.1	12
27	Artificial intelligence-based analysis of body composition in Marfan: skeletal muscle density and psoas muscle index predict aortic enlargement. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 993-999.	2.9	12
28	HBP-enhancing hepatocellular adenomas and how to discriminate them from FNH in Gd-EOB MRI. <i>BMC Medical Imaging</i> , 2021, 21, 28.	1.4	11
29	No infectious hepatic complications following radioembolization with 90Y microspheres in patients with biliodigestive anastomosis. <i>Anticancer Research</i> , 2014, 34, 4315-21.	0.5	11
30	An increased flip angle in late phase Gd-EOB-DTPA MRI shows improved performance in bile duct visualization compared to T2w-MRCP. <i>European Journal of Radiology</i> , 2014, 83, 1723-1727.	1.2	10
31	Consistency of hepatocellular gadoxetic acid uptake in serial MRI examinations for evaluation of liver function. <i>Abdominal Radiology</i> , 2019, 44, 2759-2768.	1.0	10
32	A radiomics-based model to classify the etiology of liver cirrhosis using gadoxetic acid-enhanced MRI. <i>Scientific Reports</i> , 2021, 11, 10778.	1.6	10
33	Diagnostic Accuracy of Split-Bolus Single-Phase Contrast-Enhanced Cone-Beam CT for the Detection of Liver Tumors before Transarterial Chemoembolization. <i>Journal of Vascular and Interventional Radiology</i> , 2017, 28, 1378-1385.	0.2	9
34	Obesity and pituitary gland volume – a correlation study using three-dimensional magnetic resonance imaging. <i>Neuroradiology Journal</i> , 2020, 33, 400-409.	0.6	9
35	Automatized Hepatic Tumor Volume Analysis of Neuroendocrine Liver Metastases by Gd-EOB MRI – A Deep-Learning Model to Support Multidisciplinary Cancer Conference Decision-Making. <i>Cancers</i> , 2021, 13, 2726.	1.7	9
36	Comparing HCC arterial tumour vascularisation on baseline imaging and after lipiodol cTACE: how do estimations of enhancing tumour volumes differ on contrast-enhanced MR and CT?. <i>European Radiology</i> , 2020, 30, 1601-1608.	2.3	8

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37	Added Value of Tomoelastography for Characterization of Pancreatic Neuroendocrine Tumor Aggressiveness Based on Stiffness. <i>Cancers</i> , 2021, 13, 5185.	1.7	8
38	DNA double-strand breaks in blood lymphocytes induced by two-day <sup>99m</sup> Tc-MIBI myocardial perfusion scintigraphy. <i>European Radiology</i> , 2018, 28, 3075-3081.	2.3	7
39	Is there a Role for the Appleby Procedure in 2020? Results from a Matched-Pair-Analysis. <i>Anticancer Research</i> , 2020, 40, 387-392.	0.5	7
40	Treatment of a giant hepatic echinococcal cyst with percutaneous drainage and in vivo assessment of the protoscolicidal effect of praziquantel. <i>Clinical Journal of Gastroenterology</i> , 2021, 14, 888-892.	0.4	7
41	First PACSâ€integrated artificial intelligenceâ€based software tool for rapid and fully automatic analysis of body composition from CT in clinical routine. <i>JCSM Clinical Reports</i> , 2022, 7, 3-11.	0.5	7
42	Performance survey on a new standardized formula for oral signal suppression in MRCP. <i>European Journal of Radiology Open</i> , 2018, 5, 1-5.	0.7	6
43	C-Arm Cone Beam CT for Intraprocedural Image Fusion and 3D Guidance in Portal Vein Embolization (PVE). <i>CardioVascular and Interventional Radiology</i> , 2018, 41, 424-432.	0.9	6
44	Feasibility and Safety of CT-Guided High-Dose-Rate Brachytherapy Combined with Transarterial Chemoembolization Using Irinotecan-Loaded Microspheres for the Treatment of Large, Unresectable Colorectal Liver Metastases. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 315-322.	0.2	6
45	Evaluation of gadolinium-EOB-DTPA uptake after portal vein embolization: value of an increased flip angle. <i>Acta Radiologica</i> , 2014, 55, 149-154.	0.5	5
46	Comparison of CT and MRI artefacts from coils and vascular plugs used for portal vein embolization. <i>European Journal of Radiology</i> , 2014, 83, 692-695.	1.2	5
47	Primary and metastatic malignancies of the lung: Retrospective analysis of the CT-guided high-dose rate brachytherapy (CT-HDRBT) ablation in tumours < 4â€cm and â‰¥4â€cm. <i>European Journal of Radiology</i> , 2018, 108, 230-235.	1.2	5
48	Gd-EOB-DTPA-enhanced MRI T1 relaxometry as an imaging-based liver function test compared with <sup>13</sup> C-methacetin breath test. <i>Acta Radiologica</i> , 2020, 61, 291-301.	0.5	5
49	Gadoxetic acid-enhanced MRI in primary sclerosing cholangitis: added value in assessing liver function and monitoring disease progression. <i>Abdominal Radiology</i> , 2021, 46, 979-991.	1.0	5
50	Primary renal sarcomas: imaging features and discrimination from non-sarcoma renal tumors. <i>European Radiology</i> , 2022, 32, 981-989.	2.3	5
51	Influence of Baseline CT Body Composition Parameters on Survival in Patients with Pancreatic Adenocarcinoma. <i>Journal of Clinical Medicine</i> , 2022, 11, 2356.	1.0	5
52	Split-bolus vs. multiphasic contrast bolus protocol in patients with pancreatic cancer or cholangiocarcinoma. <i>European Journal of Radiology</i> , 2019, 119, 108626.	1.2	4
53	Portosystemic shunt surgery in the era of TIPS: imaging-based planning of the surgical approach. <i>Abdominal Radiology</i> , 2020, 45, 2726-2735.	1.0	4
54	CT fluoroscopyâ€guided pancreas transplant biopsies: a retrospective evaluation of predictors of complications and success rates. <i>Transplant International</i> , 2021, 34, 855-864.	0.8	4

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55	Impact of Doppler Ultrasound on Diagnosis and Therapy Control of Lienalis Steal Syndrome After Liver Transplantation. <i>Annals of Transplantation</i> , 2017, 22, 440-445.	0.5	4
56	The Effect of Fat Distribution on the Inflammatory Response of Multiple Trauma Patientsâ€™A Retrospective Study. <i>Life</i> , 2021, 11, 1243.	1.1	4
57	Ventilation/perfusion SPECT or SPECT/CT for lung function imaging in patients with pulmonary emphysema?. <i>Annals of Nuclear Medicine</i> , 2015, 29, 528-534.	1.2	3
58	Combined morphological and functional liver MRI using spin-lattice relaxation in the rotating frame (T1 $\rho$ ) in conjunction with Gadoteric Acid-enhanced MRI. <i>Scientific Reports</i> , 2019, 9, 2083.	1.6	3
59	Optimized separation of left and right liver lobe in dynamic 99mTc-mebrofenin hepatobiliary scintigraphy using a hybrid SPECT-CT scanner. <i>Annals of Nuclear Medicine</i> , 2014, 28, 897-902.	1.2	2
60	Hepatopulmonary shunting after surgical, interventional and systemic therapy in patients with liver malignancies scheduled for radioembolization. <i>Acta Radiologica</i> , 2016, 57, 908-913.	0.5	2
61	The Magnetic Field of Magnetic Resonance Imaging Systems Does Not Affect Cells Labeled with Micrometer-Sized Iron Oxide Particles. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 412-421.	1.1	2
62	Optimized imaging of the lower abdomen and pelvic region in hepatocyte-specific MRI: evaluation of a whole-abdomen first-pass shuttle protocol in patients with neuroendocrine neoplasms. <i>Acta Radiologica</i> , 2019, 60, 1074-1083.	0.5	2
63	Evaluating hepatotoxic effects of chemotherapeutic agents with gadoteric-acid-enhanced magnetic resonance imaging. <i>European Journal of Radiology</i> , 2020, 124, 108807.	1.2	2
64	Impact of quantitative pulmonary emphysema score on the rate of pneumothorax and chest tube insertion in CT-guided lung biopsies. <i>Scientific Reports</i> , 2020, 10, 10978.	1.6	2
65	Impact of interventionalistâ€™s experience and gender on radiation dose and procedural time in CT-guided interventionsâ€™a retrospective analysis of 4380 cases over 10 years. <i>European Radiology</i> , 2021, 31, 569-579.	2.3	2
66	Predicting the Risk of Postoperative Complications in Patients Undergoing Minimally Invasive Resection of Primary Liver Tumors. <i>Journal of Clinical Medicine</i> , 2021, 10, 685.	1.0	2
67	Acute left ventricular insufficiency in a Burkitt Lymphoma patient with myocardial involvement and extensive local tumor cell lysis: a case report. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 31.	0.7	2
68	Visibility of Hypovascularized Liver Tumors during Intra-Arterial Therapy Using Split-Bolus Single-Phase Cone Beam CT. <i>CardioVascular and Interventional Radiology</i> , 2019, 42, 260-267.	0.9	1
69	Liver function quantification of patients with portal vein embolization using dynamic contrast-enhanced MRI for assessment of hepatocyte uptake and elimination. <i>Physica Medica</i> , 2020, 76, 207-220.	0.4	1
70	Stent performance in palliative transhepatic treatment of malignant biliary obstruction: a randomized study comparing covered versus uncovered stents. <i>Acta Radiologica</i> , 2020, 61, 1591-1599.	0.5	1
71	The Renal Resistive Index in Allografts: Is Sonographic Assessment Sufficiently Reproducible in a Routine Clinical Setting? â€™ Reproducibility of the Renal Resistive Index. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020, 192, 561-566.	0.7	1
72	Postoperative single-sequence (PoSSe) MRI: imaging work-up for CT-guided or endoscopic drainage indication of collections after hepatopancreaticobiliary surgery. <i>Abdominal Radiology</i> , 2021, 46, 3418-3427.	1.0	1

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73	Spectral CT Hybrid Images in the Diagnostic Evaluation of Hypervascular Abdominal Tumors – Potential Advantages in Clinical Routine. <i>Diagnostics</i> , 2021, 11, 1539.	1.3	1
74	Effects of Artificial Intelligence-Derived Body Composition on Kidney Graft and Patient Survival in the Eurotransplant Senior Program. <i>Biomedicines</i> , 2022, 10, 554.	1.4	1
75	The Predictive Value of the Maximal Liver Function Capacity Test for the Isolation of Primary Human Hepatocytes. <i>Tissue Engineering - Part C: Methods</i> , 2018, 24, 179-186.	1.1	0
76	Intrahepatic De Novo Tumors in Liver Recipients are Highly Associated With Recurrent Viral Hepatitis. <i>Journal of Clinical and Experimental Hepatology</i> , 2021, 11, 435-442.	0.4	0
77	Giant Gallbladder Empyema in Mirizzi Syndrome. <i>Deutsches Arzteblatt International</i> , 2019, 116, 300.	0.6	0
78	Does Hepatic Steatosis Influence the Detection Rate of Metastases in the Hepatobiliary Phase of Gadoteric Acid-Enhanced MRI?. <i>Journal of Clinical Medicine</i> , 2021, 10, 98.	1.0	0