

Bernd Hamm

List of Publications by Year in descending order

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Version: 2024-02-01

268
papers

5,091
citations

126708

33
h-index

149479

56
g-index

278
all docs

278
docs citations

278
times ranked

6363
citing authors

#	ARTICLE	IF	CITATIONS
1	Viscoelasticity-based Staging of Hepatic Fibrosis with Multifrequency MR Elastography. <i>Radiology</i> , 2010, 257, 80-86.	3.6	198
2	ESUR/ESUI consensus statements on multi-parametric MRI for the detection of clinically significant prostate cancer: quality requirements for image acquisition, interpretation and radiologists'™ training. <i>European Radiology</i> , 2020, 30, 5404-5416.	2.3	185
3	Contrast-enhanced MR imaging of liver and spleen: First experience in humans with a new superparamagnetic iron oxide. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 659-668.	1.9	177
4	Contrast-enhanced spectral mammography vs. mammography and MRI " clinical performance in a multi-reader evaluation. <i>European Radiology</i> , 2017, 27, 2752-2764.	2.3	166
5	The role of visceral adiposity in the severity of COVID-19: Highlights from a unicenter cross-sectional pilot study in Germany. <i>Metabolism: Clinical and Experimental</i> , 2020, 110, 154317.	1.5	146
6	Comparison of MRI with radiography for detecting structural lesions of the sacroiliac joint using CT as standard of reference: results from the SIMACT study. <i>Annals of the Rheumatic Diseases</i> , 2017, 76, 1502-1508.	0.5	136
7	Static magnetic resonance imaging of the pelvic floor muscle morphology in women with stress urinary incontinence and pelvic prolapse. <i>Neurourology and Urodynamics</i> , 1998, 17, 579-589.	0.8	109
8	Contrast-enhanced spectral mammography: Does mammography provide additional clinical benefits or can some radiation exposure be avoided?. <i>Breast Cancer Research and Treatment</i> , 2014, 146, 371-381.	1.1	99
9	New generation of monomer-stabilized very small superparamagnetic iron oxide particles (VSOP) as contrast medium for MR angiography: Preclinical results in rats and rabbits. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 905-911.	1.9	98
10	Use of contrast-enhanced MR imaging to detect sacroiliitis in children. <i>Skeletal Radiology</i> , 1998, 27, 606-616.	1.2	90
11	Digital Mammography Using Iodine-Based Contrast Media. <i>Investigative Radiology</i> , 2005, 40, 397-404.	3.5	88
12	Low-dose spiral CT: applicability to paediatric chest imaging. <i>Pediatric Radiology</i> , 1999, 29, 565-569.	1.1	83
13	Accuracy and workflow of navigated spinal instrumentation with the mobile AIRO® CT scanner. <i>European Spine Journal</i> , 2016, 25, 716-723.	1.0	79
14	Improved detection of erosions in the sacroiliac joints on MRI with volumetric interpolated breath-hold examination (VIBE): results from the SIMACT study. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1585-1589.	0.5	69
15	Characterization of orbital masses by multiparametric MRI. <i>European Journal of Radiology</i> , 2016, 85, 324-336.	1.2	65
16	Gadolinium-enhanced MR angiography of the breast: Is breast cancer associated with ipsilateral higher vascularity?. <i>European Radiology</i> , 2001, 11, 965-969.	2.3	62
17	Hepatocellular carcinoma: computed-tomography-guided high-dose-rate brachytherapy (CT-HDRBT) ablation of large (5-7AcM) and very large (>7AcM) tumours. <i>European Radiology</i> , 2012, 22, 1101-1109.	2.3	61
18	Novel magnetic multicore nanoparticles designed for MPI and other biomedical applications: From synthesis to first in vivo studies. <i>PLoS ONE</i> , 2018, 13, e0190214.	1.1	61

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19	Comparison of hybrid 68Ga-PSMA-PET/CT and 99mTc-DPD-SPECT/CT for the detection of bone metastases in prostate cancer patients: Additional value of morphologic information from low dose CT. <i>European Radiology</i> , 2018, 28, 610-619.	2.3	59
20	Tomoelastography Distinguishes Noninvasively between Benign and Malignant Liver Lesions. <i>Cancer Research</i> , 2019, 79, 5704-5710.	0.4	58
21	Renal cell carcinoma with venous extension: prediction of inferior vena cava wall invasion by MRI. <i>Cancer Imaging</i> , 2018, 18, 17.	1.2	56
22	Initial experience with dynamic MR imaging in evaluation of normal bone marrow versus malignant bone marrow infiltrations in humans. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 241-250.	1.9	53
23	Diagnosis of Calcific Tendonitis of the Rotator Cuff by Using Susceptibility-weighted MR Imaging. <i>Radiology</i> , 2016, 278, 475-484.	3.6	49
24	Introducing the Node Reporting and Data System 1.0 (Node-RADS): a concept for standardized assessment of lymph nodes in cancer. <i>European Radiology</i> , 2021, 31, 6116-6124.	2.3	44
25	Carpal tunnel syndrome: Staging of median nerve compression by MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 1119-1125.	1.9	42
26	Coronary magnetic resonance angiography: Experimental evaluation of the new rapid clearance blood pool contrast medium P792. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 932-938.	1.9	41
27	Highly accurate classification of chest radiographic reports using a deep learning natural language model pre-trained on 3.8 million text reports. <i>Bioinformatics</i> , 2021, 36, 5255-5261.	1.8	41
28	Image-guided Irreversible Electroporation of Localized Prostate Cancer: Functional and Oncologic Outcomes. <i>Radiology</i> , 2019, 292, 250-257.	3.6	40
29	Clinical and Imaging Characteristics in Patients with SARS-CoV-2 Infection and Acute Intracranial Hemorrhage. <i>Journal of Clinical Medicine</i> , 2020, 9, 2543.	1.0	39
30	US Time-Harmonic Elastography: Detection of Liver Fibrosis in Adolescents with Extreme Obesity with Nonalcoholic Fatty Liver Disease. <i>Radiology</i> , 2018, 288, 99-106.	3.6	38
31	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
32	Searching for primaries in patients with neuroendocrine tumors (NET) of unknown primary and clinically suspected NET: Evaluation of Ga-68 DOTATOC PET/CT and In-111 DTPA octreotide SPECT/CT. <i>Radiology and Oncology</i> , 2014, 48, 339-347.	0.6	37
33	Deep learning for detection of radiographic sacroiliitis: achieving expert-level performance. <i>Arthritis Research and Therapy</i> , 2021, 23, 106.	1.6	37
34	The value of ADC, T2 signal intensity, and a combination of both parameters to assess Gleason score and primary Gleason grades in patients with known prostate cancer. <i>Acta Radiologica</i> , 2016, 57, 107-114.	0.5	36
35	CT-guided high-dose-rate brachytherapy of unresectable hepatocellular carcinoma. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 405-412.	1.0	35
36	Diagnostic Performance of Automated Breast Volume Scanning (ABVS) Compared to Handheld Ultrasonography With Breast MRI as the Gold Standard. <i>Academic Radiology</i> , 2017, 24, 954-961.	1.3	35

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37	Paper-based 3D printing of anthropomorphic CT phantoms: Feasibility of two construction techniques. <i>European Radiology</i> , 2019, 29, 1384-1390.	2.3	35
38	Age- and Sex-dependent Frequency of Fat Metaplasia and Other Structural Changes of the Sacroiliac Joints in Patients without Axial Spondyloarthritis: A Retrospective, Cross-sectional MRI Study. <i>Journal of Rheumatology</i> , 2018, 45, 915-921.	1.0	33
39	Near-infrared Fluorescence Optical Imaging in Early Rheumatoid Arthritis: A Comparison to Magnetic Resonance Imaging and Ultrasonography. <i>Journal of Rheumatology</i> , 2015, 42, 1112-1118.	1.0	32
40	Concurrent Molecular Magnetic Resonance Imaging of Inflammatory Activity and Extracellular Matrix Degradation for the Prediction of Aneurysm Rupture. <i>Circulation: Cardiovascular Imaging</i> , 2019, 12, e008707.	1.3	32
41	Diagnostic performance of PI-RADS version 2.1 compared to version 2.0 for detection of peripheral and transition zone prostate cancer. <i>Scientific Reports</i> , 2020, 10, 15982.	1.6	29
42	Molecular MR Imaging of Prostate Cancer. <i>Biomedicines</i> , 2021, 9, 1.	1.4	29
43	Clinical practice in radioembolization of hepatic malignancies: A survey among interventional centers in Europe. <i>European Journal of Radiology</i> , 2012, 81, e804-e811.	1.2	28
44	Molecular imaging of the extracellular matrix in the context of atherosclerosis. <i>Advanced Drug Delivery Reviews</i> , 2017, 113, 49-60.	6.6	28
45	Tomoelastography of the native kidney: Regional variation and physiological effects on in vivo renal stiffness. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2126-2134.	1.9	28
46	Single-source dual-energy computed tomography for the assessment of bone marrow oedema in vertebral compression fractures: a prospective diagnostic accuracy study. <i>European Radiology</i> , 2019, 29, 31-39.	2.3	28
47	Osteitis: a retrospective feasibility study comparing single-source dual-energy CT to MRI in selected patients with suspected acute gout. <i>Skeletal Radiology</i> , 2017, 46, 185-190.	1.2	27
48	Modified breath-hold compressed-sensing 3D MR cholangiopancreatography with a small field-of-view and high resolution acquisition: Clinical feasibility in biliary and pancreatic disorders. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1389-1399.	1.9	27
49	Distinguishing pancreatic cancer and autoimmune pancreatitis with in vivo tomoelastography. <i>European Radiology</i> , 2021, 31, 3366-3374.	2.3	27
50	Impact of age, sex, and joint form on degenerative lesions of the sacroiliac joints on CT in the normal population. <i>Scientific Reports</i> , 2021, 11, 5903.	1.6	27
51	Point-of-care lung ultrasound in COVID-19 patients: inter- and intra-observer agreement in a prospective observational study. <i>Scientific Reports</i> , 2021, 11, 10678.	1.6	27
52	Diagnostic performance of tomoelastography of the liver and spleen for staging hepatic fibrosis. <i>European Radiology</i> , 2020, 30, 1719-1729.	2.3	26
53	Stability of Radiomic Features across Different Region of Interest Sizes – A CT and MR Phantom Study. <i>Tomography</i> , 2021, 7, 238-252.	0.8	26
54	Single source dual-energy computed tomography in the diagnosis of gout: Diagnostic reliability in comparison to digital radiography and conventional computed tomography of the feet. <i>European Journal of Radiology</i> , 2016, 85, 1829-1834.	1.2	25

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55	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
56	Use of quantitative T2 mapping for the assessment of renal cell carcinomas: first results. <i>Cancer Imaging</i> , 2019, 19, 35.	1.2	25
57	Colour-coded duplex sonography in the diagnostic assessment of vascular complications after kidney transplantation in children. <i>Pediatric Radiology</i> , 1997, 27, 898-902.	1.1	24
58	3D Quantitative tumour burden analysis in patients with hepatocellular carcinoma before TACE: comparing single-lesion vs. multi-lesion imaging biomarkers as predictors of patient survival. <i>European Radiology</i> , 2016, 26, 3243-3252.	2.3	24
59	Efficacy of oral contrast agents for upper gastrointestinal signal suppression in MRCP: A systematic review of the literature. <i>Acta Radiologica Open</i> , 2017, 6, 205846011772731.	0.3	24
60	Comparison of non-invasive assessment of liver fibrosis in patients with alpha1-antitrypsin deficiency using magnetic resonance elastography (MRE), acoustic radiation force impulse (ARFI) Quantification, and 2D-shear wave elastography (2D-SWE). <i>PLoS ONE</i> , 2018, 13, e0196486.	1.1	24
61	[⁶⁸ Ga]PSMA-HBED-CC Uptake in Osteolytic, Osteoblastic, and Bone Marrow Metastases of Prostate Cancer Patients. <i>Molecular Imaging and Biology</i> , 2017, 19, 933-943.	1.3	23
62	Diagnostic performance of susceptibility-weighted magnetic resonance imaging for the detection of calcifications: A systematic review and meta-analysis. <i>Scientific Reports</i> , 2017, 7, 15506.	1.6	23
63	Comparison of ultrasound shear wave elastography with magnetic resonance elastography and renal microvascular flow in the assessment of chronic renal allograft dysfunction. <i>Acta Radiologica</i> , 2018, 59, 1139-1145.	0.5	23
64	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
65	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
66	Gadobutrol for Magnetic Resonance Imaging of Chronic Myocardial Infarction. <i>Investigative Radiology</i> , 2012, 47, 183-188.	3.5	21
67	Non-alcoholic fatty liver disease in underweight patients with inflammatory bowel disease: A case-control study. <i>PLoS ONE</i> , 2018, 13, e0206450.	1.1	21
68	Contrast-enhanced ultrasound (CEUS) of cystic renal lesions in comparison to CT and MRI in a multicenter setting. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 419-429.	0.9	21
69	Uraemic extracellular vesicles augment osteogenic transdifferentiation of vascular smooth muscle cells via enhanced AKT signalling and PiTâ€¹ expression. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 5602-5614.	1.6	21
70	In vivo multifrequency magnetic resonance elastography of the human intervertebral disk. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1380-1387.	1.9	20
71	First experience with single-source dual-energy computed tomography in six patients with acute arthralgia: a feasibility experiment using joint aspiration as a reference. <i>Skeletal Radiology</i> , 2015, 44, 1573-1577.	1.2	20
72	A radiopaque 3D printed, anthropomorphic phantom for simulation of CT-guided procedures. <i>European Radiology</i> , 2018, 28, 4818-4823.	2.3	20

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73	Disk injury in patients with vertebral fractures—a prospective diagnostic accuracy study using dual-energy computed tomography. <i>European Radiology</i> , 2019, 29, 4495-4502.	2.3	20
74	Quantitative biparametric analysis of hybrid 18F-FET PET/MR-neuroimaging for differentiation between treatment response and recurrent glioma. <i>Scientific Reports</i> , 2019, 9, 14603.	1.6	19
75	Differentiation of Predominantly Osteoblastic and Osteolytic Spine Metastases by Using Susceptibility-weighted MRI. <i>Radiology</i> , 2019, 290, 146-154.	3.6	19
76	Multiparametric Assessment of Changes in Renal Tissue after Kidney Transplantation with Quantitative MR Relaxometry and Diffusion-Tensor Imaging at 3 T. <i>Journal of Clinical Medicine</i> , 2020, 9, 1551.	1.0	19
77	Real-Time MR-Guided Lumbosacral Periradicular Injection Therapy Using an Open 1.0-T MRI System. <i>Investigative Radiology</i> , 2013, 48, 471-476.	3.5	18
78	Automated Lung Volumetry from Routine Thoracic CT Scans. <i>Academic Radiology</i> , 2014, 21, 633-638.	1.3	18
79	Macrocytic contrast agents for magnetic resonance imaging of chronic myocardial infarction: intraindividual comparison of gadobutrol and gadoterate meglumine. <i>European Radiology</i> , 2013, 23, 108-114.	2.3	17
80	Can magnetic resonance imaging be an alternative to computed tomography in immunocompromised patients with suspected fungal infections? Feasibility of a speed optimized examination protocol at 3 Tesla. <i>European Journal of Radiology</i> , 2016, 85, 857-863.	1.2	17
81	MPI Phantom Study with A High-Performing Multicore Tracer Made by Coprecipitation. <i>Nanomaterials</i> , 2019, 9, 1466.	1.9	17
82	Diagnostic performance of contrast-enhanced ultrasound (CEUS) in testicular pathologies: Single-center results. <i>Clinical Hemorheology and Microcirculation</i> , 2019, 73, 347-357.	0.9	17
83	Deep learning reconstruction improves radiomics feature stability and discriminative power in abdominal CT imaging: a phantom study. <i>European Radiology</i> , 2022, 32, 4587-4595.	2.3	17
84	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
85	Reducing the dose of CT of the paranasal sinuses: potential of an iterative reconstruction algorithm. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20160127.	1.3	16
86	Assessment of intracranial meningioma-associated calcifications using susceptibility-weighted MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1177-1186.	1.9	16
87	Detection of Sacroiliitis by Short-tau Inversion Recovery and T2-weighted Turbo Spin Echo Sequences: Results from the SIMACT Study. <i>Journal of Rheumatology</i> , 2019, 46, 376-383.	1.0	16
88	Ex vivo magnetic particle imaging of vascular inflammation in abdominal aortic aneurysm in a murine model. <i>Scientific Reports</i> , 2020, 10, 12410.	1.6	16
89	3D printing of anatomically realistic phantoms with detection tasks to assess the diagnostic performance of CT images. <i>European Radiology</i> , 2020, 30, 4557-4563.	2.3	16
90	US Time-Harmonic Elastography for the Early Detection of Glomerulonephritis. <i>Radiology</i> , 2019, 292, 676-684.	3.6	15

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91	Assessment of the extracellular volume fraction for the grading of clear cell renal cell carcinoma: first results and histopathological findings. <i>European Radiology</i> , 2019, 29, 5832-5843.	2.3	15
92	Computed Tomography Thermography for Ablation Zone Prediction in Microwave Ablation and Cryoablation: Advantages and Challenges in an Ex Vivo Porcine Liver Model. <i>Journal of Computer Assisted Tomography</i> , 2020, 44, 744-749.	0.5	15
93	In vivo magnetic particle imaging: angiography of inferior vena cava and aorta in rats using newly developed multicore particles. <i>Scientific Reports</i> , 2020, 10, 17247.	1.6	15
94	Iron(III)â€‹i>t</i>CDTA derivatives as MRI contrast agents: Increased T₁ relaxivities at higher magnetic field strength and pH sensing. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3370-3382.	1.9	15
95	CT-guided radiofrequency ablation of osteoid osteoma using a novel battery-powered drill. <i>Skeletal Radiology</i> , 2015, 44, 695-701.	1.2	14
96	Placement of central venous port catheters and peripherally inserted central catheters in the routine clinical setting of a radiology department: analysis of costs and intervention duration learning curve. <i>Acta Radiologica</i> , 2017, 58, 1468-1475.	0.5	14
97	Full-Field-of-View Time-Harmonic Elastography of the Native Kidney. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 949-954.	0.7	14
98	Ultrasound Time-Harmonic Elastography of the Aorta. <i>Investigative Radiology</i> , 2019, 54, 675-680.	3.5	14
99	Extracardiac findings on coronary computed tomography angiography in patients without significant coronary artery disease. <i>European Radiology</i> , 2019, 29, 1714-1723.	2.3	14
100	Ultra-low-dose CT detects synovitis in patients with suspected rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 31-35.	0.5	14
101	Simultaneous molecular MRI of extracellular matrix collagen and inflammatory activity to predict abdominal aortic aneurysm rupture. <i>Scientific Reports</i> , 2020, 10, 15206.	1.6	14
102	Noninvasive imaging of vascular permeability to predict the risk of rupture in abdominal aortic aneurysms using an albumin-binding probe. <i>Scientific Reports</i> , 2020, 10, 3231.	1.6	14
103	Retrospective Evaluation of NI-RADS for Detecting Postsurgical Recurrence of Oral Squamous Cell Carcinoma on Surveillance CT or MRI. <i>American Journal of Roentgenology</i> , 2021, 217, 198-206.	1.0	14
104	Influence of fibrosis progression on the viscous properties of in vivo liver tissue elucidated by shear wave dispersion in multifrequency MR elastography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 121, 104645.	1.5	14
105	Sclerotic bone lesions as a potential imaging biomarker for the diagnosis of tuberous sclerosis complex. <i>Scientific Reports</i> , 2018, 8, 953.	1.6	13
106	Evaluation of vertebral body fractures using susceptibility-weighted magnetic resonance imaging. <i>European Radiology</i> , 2018, 28, 2228-2235.	2.3	13
107	Dual-energy CT in the differentiation of crystal depositions of the wrist: does it have added value?. <i>Skeletal Radiology</i> , 2020, 49, 707-713.	1.2	13
108	Feasibility of Intestinal<sc>MR</sc>Elastography in Inflammatory Bowel Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 815-822.	1.9	13

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109	Simultaneous [18F]fluoride and gadobutrol enhanced coronary positron emission tomography/magnetic resonance imaging for <i>in vivo</i> plaque characterization. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 23, 1391-1398.	0.5	13
110	Anatomic variants of arteries often coil-occluded prior to hepatic radioembolization. <i>Acta Radiologica</i> , 2015, 56, 159-165.	0.5	12
111	Nonenhanced magnetic resonance angiography (MRA) of the calf arteries at 3 Tesla: intraindividual comparison of 3D flow-dependent subtractive MRA and 2D flow-independent non-subtractive MRA. <i>European Radiology</i> , 2016, 26, 4585-4594.	2.3	12
112	Evaluation of sclerosis in Modic changes of the spine using susceptibility-weighted magnetic resonance imaging. <i>European Journal of Radiology</i> , 2017, 88, 148-154.	1.2	12
113	DCE-MR imaging of orbital lesions: diagnostic performance of the tumor flow residence time \bar{T}_b , calculated by a multi-compartmental pharmacokinetic tumor model based on individual factors. <i>Acta Radiologica</i> , 2019, 60, 643-652.	0.5	12
114	Susceptibility-weighted MR imaging to improve the specificity of erosion detection: a prospective feasibility study in hand arthritis. <i>Skeletal Radiology</i> , 2019, 48, 721-728.	1.2	12
115	High-Field Open versus Short-Bore Magnetic Resonance Imaging of the Spine: A Randomized Controlled Comparison of Image Quality. <i>PLoS ONE</i> , 2013, 8, e83427.	1.1	12
116	Treatment effect of mTOR-inhibition on tissue composition of renal angiomyolipomas in tuberous sclerosis complex (TSC). <i>PLoS ONE</i> , 2017, 12, e0189132.	1.1	12
117	CT Guided Bone Biopsy Using a Battery Powered Intraosseous Device. <i>CardioVascular and Interventional Radiology</i> , 2013, 36, 1405-1410.	0.9	11
118	CT-based measurement of the inner pelvic volume. <i>Acta Radiologica</i> , 2017, 58, 218-223.	0.5	11
119	Time-Harmonic Elastography of the Liver is Sensitive to Intrahepatic Pressure Gradient and Liver Decompression after Transjugular Intrahepatic Portosystemic Shunt (TIPS) Implantation. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 595-600.	0.7	11
120	Quantitative susceptibility mapping across two clinical field strengths: Contrast-to-noise ratio enhancement at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 1410-1420.	1.9	11
121	Metallic dental artifact reduction in computed tomography (Smart MAR): Improvement of image quality and diagnostic confidence in patients with suspected head and neck pathology and oral implants. <i>European Journal of Radiology</i> , 2019, 118, 153-160.	1.2	11
122	Tailored Magnetic Multicore Nanoparticles for Use as Blood Pool MPI Tracers. <i>Nanomaterials</i> , 2021, 11, 1532.	1.9	11
123	Prediction of prostate cancer grade using fractal analysis of perfusion MRI: retrospective proof-of-principle study. <i>European Radiology</i> , 2021, , 1.	2.3	11
124	Age-related blood half-life of particulate contrast material: Experimental results with a USPIO in rats. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 740-744.	1.9	10
125	Impact of Single-Energy Metal Artifact Reduction on CT image quality in patients with dental hardware. <i>Computers in Biology and Medicine</i> , 2018, 103, 161-166.	3.9	10
126	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

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127	Vascular pattern and diagnostic accuracy of contrast-enhanced ultrasound (CEUS) in spleen alterations. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 177-188.	0.9	10
128	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
129	Diagnostic accuracy of susceptibility-weighted magnetic resonance imaging for the evaluation of pineal gland calcification. <i>PLoS ONE</i> , 2017, 12, e0172764.	1.1	10
130	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
131	Segment-by-segment assessment of left ventricular myocardial affection in Anderson-Fabry disease by non-enhanced T1-mapping. <i>Acta Radiologica</i> , 2017, 58, 914-921.	0.5	9
132	Multiple solid pancreatic lesions: Prevalence and features of non-malignancies on dynamic enhanced CT. <i>European Journal of Radiology</i> , 2018, 105, 8-14.	1.2	9
133	In Vivo Molecular Characterization of Abdominal Aortic Aneurysms Using Fibrin-specific Magnetic Resonance Imaging. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	9
134	Pancreaticobiliary involvement in treated type 1 autoimmune pancreatitis: Imaging pattern and risk factors for disease relapse. <i>European Journal of Radiology</i> , 2019, 120, 108673.	1.2	9
135	Interstitial Brachytherapy in Combination With Previous Transarterial Embolization in Patients With Unresectable Hepatocellular Carcinoma. <i>Anticancer Research</i> , 2019, 39, 1329-1336.	0.5	9
136	Quantitative MRI for Assessment of Treatment Outcomes in a Rabbit VX2 Hepatic Tumor Model. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 668-685.	1.9	9
137	Semi-automatic prostatic artery detection using cone-beam CT during prostatic arterial embolization. <i>Acta Radiologica</i> , 2020, 61, 1116-1124.	0.5	9
138	Diagnostic Value of Initial Chest CT Findings for the Need of ICU Treatment/Intubation in Patients with COVID-19. <i>Diagnostics</i> , 2020, 10, 929.	1.3	9
139	Inter- and Intra-reader Agreement of NI-RADS in the Interpretation of Surveillance Contrast-Enhanced CT after Treatment of Oral Cavity and Oropharyngeal Squamous Cell Carcinoma. <i>American Journal of Neuroradiology</i> , 2020, 41, 859-865.	1.2	9
140	MR-guided high-focused ultrasound for renal sympathetic denervation—a feasibility study in pigs. <i>Journal of Therapeutic Ultrasound</i> , 2014, 2, 12.	2.2	8
141	Time-Harmonic Ultrasound elastography of the Descending Abdominal Aorta: Initial Results. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2550-2557.	0.7	8
142	MRI-TRUS fusion for electrode positioning during irreversible electroporation for treatment of prostate cancer. <i>Diagnostic and Interventional Radiology</i> , 2017, 23, 321-325.	0.7	8
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