

Bernd Hamm

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

3,247
citations

27
h-index

47
g-index

278
ext. papers

4,221
ext. citations

5
avg, IF

5.42
L-index

#	Paper	IF	Citations
258	Can optimized model-based iterative reconstruction improve the contrast of liver lesions in CT?. <i>Acta Radiologica</i> , 2022 , 2841851211070119	2	0
257	Impact of double reading on NI-RADS diagnostic accuracy in reporting oral squamous cell carcinoma surveillance imaging - a single-center study. <i>Dentomaxillofacial Radiology</i> , 2022 , 51, 20210168 ^{3.9}	3.9	1
256	Multifrequency magnetic resonance elastography-based tomoelastography of the parotid glands-feasibility and reference values. <i>Dentomaxillofacial Radiology</i> , 2022 , 51, 20210337	3.9	
255	Deep learning reconstruction improves radiomics feature stability and discriminative power in abdominal CT imaging: a phantom study.. <i>European Radiology</i> , 2022 , 1	8	2
254	Diagnostic performance of MRI and US in suspicion of penile fracture.. <i>Translational Andrology and Urology</i> , 2022 , 11, 377-385	2.3	0
253	Changes of radiological examination volumes over the course of the COVID-19 pandemic: a comprehensive analysis of the different waves of infection.. <i>Insights Into Imaging</i> , 2022 , 13, 41	5.6	0
252	Yttrium-90 radioembolization for unresectable hepatocellular carcinoma: predictive modeling strategies to anticipate tumor response and improve patient selection.. <i>European Radiology</i> , 2022 , 1	8	0
251	Splenic artery steal syndrome in patients with orthotopic liver transplant: Where to embolize the splenic artery?. <i>PLoS ONE</i> , 2022 , 17, e0263832	3.7	0
250	Fibrin-targeting molecular MRI in inflammatory CNS disorders.. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022 , 1	8.8	0
249	Diagnostic value of contrast-enhanced ultrasound (CEUS) in kidney allografts 12 years of experience in a tertiary referral center. <i>Clinical Hemorheology and Microcirculation</i> , 2022 , 1-9	2.5	1
248	Clinical utility of postprocessed low-dose radiographs in skeletal imaging.. <i>British Journal of Radiology</i> , 2021 , 20210881	3.4	0
247	Accuracy of fractal analysis and PI-RADS assessment of prostate magnetic resonance imaging for prediction of cancer grade groups: a clinical validation study.. <i>European Radiology</i> , 2021 , 32, 2372	8	2
246	Prediction of prostate cancer grade using fractal analysis of perfusion MRI: retrospective proof-of-principle study.. <i>European Radiology</i> , 2021 , 1	8	3
245	Detectability of Head and Neck Cancer via New Computed Tomography Reconstruction Tools including Iterative Reconstruction and Metal Artifact Reduction. <i>Diagnostics</i> , 2021 , 11,	3.8	2
244	Microscopic multifrequency magnetic resonance elastography of ex vivo abdominal aortic aneurysms for extracellular matrix imaging in a mouse model. <i>Acta Biomaterialia</i> , 2021 , 140, 389-389	10.8	0
243	Added Value of Tomoelastography for Characterization of Pancreatic Neuroendocrine Tumor Aggressiveness Based on Stiffness. <i>Cancers</i> , 2021 , 13,	6.6	1
242	Temperatures in Pigs During 3 T MRI Temperatures, Heart Rates, and Breathing Rates of Pigs During RF Power Deposition in a 3 T (128 MHz) Body Coil. <i>Bioelectromagnetics</i> , 2021 , 42, 37-50	1.6	

241	Training of CT-guided Periradicular Therapy in a Realistic Simulation Environment - Evaluation and Recommendations for a Training Curriculum. <i>Academic Radiology</i> , 2021 , 28, 1296-1303	4.3	
240	Quantitative volumetric assessment of baseline enhancing tumor volume as an imaging biomarker predicts overall survival in patients with glioblastoma. <i>Acta Radiologica</i> , 2021 , 62, 1200-1207	2	1
239	Decreased Medical Care During the COVID-19 Pandemic - A Comprehensive Analysis of Radiological Examinations. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021 , 193, 937-946	2.3	3
238	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	4.9	4
237	Effect of Doxycycline on Survival in Abdominal Aortic Aneurysms in a Mouse Model. <i>Contrast Media and Molecular Imaging</i> , 2021 , 2021, 9999847	3.2	
236	A reporting and analysis framework for structured evaluation of COVID-19 clinical and imaging data. <i>Npj Digital Medicine</i> , 2021 , 4, 69	15.7	2
235	Dual-energy computed tomography of the neck-optimizing tube current settings and radiation dose using a 3D-printed patient phantom. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021 , 11, 1144-1155	3.6	0
234	Deep learning for detection of radiographic sacroiliitis: achieving expert-level performance. <i>Arthritis Research and Therapy</i> , 2021 , 23, 106	5.7	9
233	Hepatic Radiofrequency Ablation: Monitoring of Ablation-Induced Macrophage Recruitment in the Periablational Rim Using SPION-Enhanced Macrophage-Specific Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2021 , 56, 591-598	10.1	0
232	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	4.9	3
231	DWI of Autoimmune Pancreatitis: Is It an Imaging Biomarker for Disease Activity?. <i>American Journal of Roentgenology</i> , 2021 , 216, 1240-1246	5.4	1
230	A radiomics-based model to classify the etiology of liver cirrhosis using gadoxetic acid-enhanced MRI. <i>Scientific Reports</i> , 2021 , 11, 10778	4.9	3
229	Spatial heterogeneity of hepatic fibrosis in primary sclerosing cholangitis vs. viral hepatitis assessed by MR elastography. <i>Scientific Reports</i> , 2021 , 11, 9820	4.9	1
228	Uraemic extracellular vesicles augment osteogenic transdifferentiation of vascular smooth muscle cells via enhanced AKT signalling and PiT-1 expression. <i>Journal of Cellular and Molecular Medicine</i> , 2021 , 25, 5602-5614	5.6	5
227	Age-dependent microstructural changes of the intervertebral disc: a validation of proteoglycan-sensitive spectral CT. <i>European Radiology</i> , 2021 , 31, 9390-9398	8	2
226	Stability of Radiomic Features across Different Region of Interest Sizes-A CT and MR Phantom Study. <i>Tomography</i> , 2021 , 7, 238-252	3.1	3
225	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,	6.6	4
224	Dual-energy computed tomography: Tube current settings and detection of uric acid tophi. <i>European Journal of Radiology</i> , 2021 , 139, 109692	4.7	

223	Diagnostic performance of dynamic volume perfusion CT for differentiation of head and neck cancer from healthy tissue and post-therapeutic changes. <i>Clinical Hemorheology and Microcirculation</i> , 2021 , 78, 93-101	2.5	1
222	Tailored Magnetic Multicore Nanoparticles for Use as Blood Pool MPI Tracers. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
221	In vivo assessment of endothelial permeability of coronary lesions with variable degree of stenosis using an albumin-binding MR probe. <i>International Journal of Cardiovascular Imaging</i> , 2021 , 37, 3049-3055	2.5	1
220	Task-based assessment of neck CT protocols using patient-mimicking phantoms-effects of protocol parameters on dose and diagnostic performance. <i>European Radiology</i> , 2021 , 31, 3177-3186	8	2
219	Dual-energy CT collagen density mapping of wrist ligaments reveals tissue remodeling in CPPD patients: first results from a clinical cohort. <i>Skeletal Radiology</i> , 2021 , 50, 417-423	2.7	1
218	Contrast-enhanced ultrasound (CEUS) reliably rules out neoplasm in developmental renal pseudotumor. <i>Acta Radiologica</i> , 2021 , 62, 821-829	2	3
217	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	7.2	12
216	Distinguishing pancreatic cancer and autoimmune pancreatitis with in vivo tomoelastography. <i>European Radiology</i> , 2021 , 31, 3366-3374	8	9
215	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	5.4	4
214	Impact of interventionalist's experience and gender on radiation dose and procedural time in CT-guided interventions-a retrospective analysis of 4380 cases over 10 years. <i>European Radiology</i> , 2021 , 31, 569-579	8	0
213	Enhancing the differentiation of pulmonary lymphoma and fungal pneumonia in hematological patients using texture analysis in 3-T MRI. <i>European Radiology</i> , 2021 , 31, 695-705	8	4
212	Multiparametric ultrasound findings in acute kidney failure due to rare renal cortical necrosis. <i>Scientific Reports</i> , 2021 , 11, 2060	4.9	2
211	Comparison of intrahepatic progression patterns of hepatocellular carcinoma and colorectal liver metastases following CT-guided high dose-rate brachytherapy. <i>Therapeutic Advances in Medical Oncology</i> , 2021 , 13, 17588359211042304	5.4	0
210	Reliability of NI-RADS criteria in the interpretation of contrast-enhanced magnetic resonance imaging considering the potential role of diffusion-weighted imaging. <i>European Radiology</i> , 2021 , 31, 6295-6304	8	1
209	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	8	7
208	Iron(III)-tCDDTA derivatives as MRI contrast agents: Increased T relaxivities at higher magnetic field strength and pH sensing. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 3370-3382	4.4	5
207	Elastin-specific MRI of extracellular matrix-remodelling following hepatic radiofrequency-ablation in a VX2 liver tumor model. <i>Scientific Reports</i> , 2021 , 11, 6814	4.9	0
206	Differentiation of Pulmonary Lymphoma Manifestations and Nonlymphoma Infiltrates in Possible Invasive Fungal Disease Using Fast T1-weighted Magnetic Resonance Imaging at 3 T Comparison of Texture Analysis, Mapping, and Signal Intensity Quotients. <i>Journal of Thoracic Imaging</i> , 2021 ,	5.6	2

205	Feasibility of Intestinal MR Elastography in Inflammatory Bowel Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021 ,	5.6	2
204	Use of TDI during MRI/US fusion-guided biopsy for suspected prostate cancer. <i>Clinical Hemorheology and Microcirculation</i> , 2021 , 78, 259-269	2.5	2
203	Intra-scanner repeatability of quantitative imaging features in a 3D printed semi-anthropomorphic CT phantom. <i>European Journal of Radiology</i> , 2021 , 141, 109818	4.7	2
202	Evaluation of potential tissue heating during percutaneous drill-assisted bone sampling in an in vivo porcine study. <i>Skeletal Radiology</i> , 2021 , 1	2.7	1
201	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	4.1	0
200	Comparison of low-contrast detectability between uniform and anatomically realistic phantoms-influences on CT image quality assessment. <i>European Radiology</i> , 2021 , 1	8	1
199	Tertiary survey ultrasound has no diagnostic benefit in trauma patients without abdominal injuries on standardised initial whole-body computed tomography. <i>European Journal of Radiology</i> , 2021 , 144, 109977	4.7	
198	Imaging coronary plaques using 3D motion-compensated [F]NaF PET/MR. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 2455-2465	8.8	2
197	Stability of Liver Radiomics across Different 3D ROI Sizes-An MRI In Vivo Study.. <i>Tomography</i> , 2021 , 7, 866-876	3.1	
196	Biodegradable Polydioxanone Microspheres for Transcatheter Arterial Embolization: Proof of Principle. <i>Journal of Vascular and Interventional Radiology</i> , 2020 , 31, 2132-2140.e5	2.4	1
195	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	8	80
194	Application of an advanced noise reduction algorithm for imaging of hands in rheumatic diseases: evaluation of image quality compared to standard-dose images. <i>Rheumatology International</i> , 2020 , 40, 893-899	3.6	3
193	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,	5.1	6
192	Safety Analysis of Iobitridol as a Nonionic Contrast Medium: A Postmarketing Multicenter Surveillance Study With 94,960 Patients Almost 20 Years After Introduction. <i>Investigative Radiology</i> , 2020 , 55, 144-152	10.1	0
191	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	4.9	0
190	Steady-State Multifrequency Magnetic Resonance Elastography of the Thoracic and Abdominal Human Aorta-Validation and Reference Values. <i>Investigative Radiology</i> , 2020 , 55, 451-456	10.1	1
189	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	4.9	10
188	Diagnosis of Left Ventricular Diastolic Dysfunction Using Cardiac Magnetic Resonance Imaging: Comparison of Volume-Time Curves Derived from Long- and Short-Axis Cine Steady-State Free Precession Datasets. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020 , 188, 761-775	2.3	3

187	Quantification of Aortic Stiffness by Ultrasound Time-Harmonic Elastography: The Effect of Intravascular Pressure on Elasticity Measures in a Porcine Model. <i>Investigative Radiology</i> , 2020 , 55, 174-180	10.1	2
186	Vascular pattern and diagnostic accuracy of contrast-enhanced ultrasound (CEUS) in spleen alterations. <i>Clinical Hemorheology and Microcirculation</i> , 2020 , 75, 177-188	2.5	5
185	Advantages of a T1-Weighted Gradient-Recalled Echo (GRE) Sequence With a Radial 3D Sampling Approach Versus 2D Turbo Spin-Echo and Cartesian 3D GRE Sequences in Head and Neck MRI. <i>American Journal of Roentgenology</i> , 2020 , 214, 747-753	5.4	5
184	Validation of the PI-RADS language: predictive values of PI-RADS lexicon descriptors for detection of prostate cancer. <i>European Radiology</i> , 2020 , 30, 4262-4271	8	2
183	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	8	7
182	Effect of Different Iodine Concentrations on Patient-Reported Discomfort in Contrast-Enhanced Computed Tomography: A Prospective Comparative Trial. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020 , 192, 945-951	2.3	1
181	Inter- and Inreader 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	4.4	6
180	Molecular MR Imaging of Prostate Cancer. <i>Biomedicines</i> , 2020 , 9,	4.8	2
179	Optimizing size thresholds for detection of clinically significant prostate cancer on MRI: Peripheral zone cancers are smaller and more predictable than transition zone tumors. <i>European Journal of Radiology</i> , 2020 , 129, 109071	4.7	
178	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 2020 , 30, 5404		1
177	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	5.6	3
176	Diagnostic performance of tomoelastography of the liver and spleen for staging hepatic fibrosis. <i>European Radiology</i> , 2020 , 30, 1719-1729	8	15
175	Evaluating hepatotoxic effects of chemotherapeutic agents with gadoteric-acid-enhanced magnetic resonance imaging. <i>European Journal of Radiology</i> , 2020 , 124, 108807	4.7	2
174	Semi-automatic prostatic artery detection using cone-beam CT during prostatic arterial embolization. <i>Acta Radiologica</i> , 2020 , 61, 1116-1124	2	2
173	Scout-guided needle placement-a technical approach for dose reduction in CT-guided periradicular infiltration. <i>Neuroradiology</i> , 2020 , 62, 341-346	3.2	0
172	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	2.7	6
171	Native T1 Mapping Magnetic Resonance Imaging as a Quantitative Biomarker for Characterization of the Extracellular Matrix in a Rabbit Hepatic Cancer Model. <i>Biomedicines</i> , 2020 , 8,	4.8	3
170	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	2.2	4

169	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	4.9	13
168	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	12.7	89
167	Diagnostic Value of Initial Chest CT Findings for the Need of ICU Treatment/Intubation in Patients with COVID-19. <i>Diagnostics</i> , 2020 , 10,	3.8	7
166	Ex vivo magnetic particle imaging of vascular inflammation in abdominal aortic aneurysm in a murine model. <i>Scientific Reports</i> , 2020 , 10, 12410	4.9	12
165	Assessment of celiac artery compression using color-coded duplex sonography. <i>Clinical Hemorheology and Microcirculation</i> , 2020 , 76, 413-423	2.5	3
164	Clinical and Imaging Characteristics in Patients with SARS-CoV-2 Infection and Acute Intracranial Hemorrhage. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	18
163	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	4.9	6
162	Development of a method to create uniform phantoms for task-based assessment of CT image quality. <i>Journal of Applied Clinical Medical Physics</i> , 2020 , 21, 201-208	2.3	5
161	Quantitative CT Analysis in Patients with Pulmonary Emphysema: Do Calculated Differences Between Full Inspiration and Expiration Correlate with Lung Function?. <i>International Journal of COPD</i> , 2020 , 15, 1877-1886	3	1
160	Simultaneous molecular MRI of extracellular matrix collagen and inflammatory activity to predict abdominal aortic aneurysm rupture. <i>Scientific Reports</i> , 2020 , 10, 15206	4.9	7
159	Tomoelastography for non-invasive detection of ameloblastoma and metastatic neck lymph nodes. <i>BMJ Case Reports</i> , 2020 , 13,	0.9	2
158	Assessment of the hepatic tumor extracellular matrix using elastin-specific molecular magnetic resonance imaging in an experimental rabbit cancer model. <i>Scientific Reports</i> , 2020 , 10, 20785	4.9	1
157	Value of susceptibility-weighted imaging for the assessment of angle measurements reflecting hip morphology. <i>Scientific Reports</i> , 2020 , 10, 20899	4.9	3
156	Molecular MR-Imaging for Noninvasive Quantification of the Anti-Inflammatory Effect of Targeting Interleukin-1 β in a Mouse Model of Aortic Aneurysm. <i>Molecular Imaging</i> , 2020 , 19, 1536012120961875	3.7	2
155	Quality Assessment of CEUS in Individuals with Small Renal Masses-Which Individual Factors Are Associated with High Image Quality?. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4
154	Diagnostic Performance and Reliability of Non-Enhanced Imaging Characterization Quotients for the Differentiation of Infectious and Malignant Pulmonary Nodules in Hematological Patients Using 3T MRI. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020 , 100, 227-234	2.3	1
153	Stepwise analysis of potential accuracy-influencing factors of iodine quantification on a fast kVp-switching second-generation dual-energy CT: from 3D-printed phantom to a simple solution in clinical routine use. <i>Acta Radiologica</i> , 2020 , 61, 424-431	2	2
152	Gd-EOB-DTPA-enhanced MRI T1 relaxometry as an imaging-based liver function test compared with C-methacetin breath test. <i>Acta Radiologica</i> , 2020 , 61, 291-301	2	5

151	Development and validation of a quantitative method for estimation of the urate burden in patients with gouty arthritis using dual-energy computed tomography. <i>European Radiology</i> , 2020 , 30, 404-412	8	1
150	Radiation exposure of radiologists during different types of CT-guided interventions: an evaluation using dosimeters placed above and under lead protection. <i>Acta Radiologica</i> , 2020 , 61, 110-116	2	2
149	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	2.5	11
148	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	4.7	5
147	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	4.1	10
146	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	8	14
145	Diagnostic performance of contrast-enhanced ultrasound (CEUS) in testicular pathologies: Single-center results. <i>Clinical Hemorheology and Microcirculation</i> , 2019 , 73, 347-357	2.5	13
144	Quantitative Time-Harmonic Ultrasound Elastography of the Abdominal Aorta and Inferior Vena Cava. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 2349-2355	3.5	3
143	Image-guided Irreversible Electroporation of Localized Prostate Cancer: Functional and Oncologic Outcomes. <i>Radiology</i> , 2019 , 292, 250-257	20.5	18
142	Use of quantitative T2 mapping for the assessment of renal cell carcinomas: first results. <i>Cancer Imaging</i> , 2019 , 19, 35	5.6	8
141	Consistency of hepatocellular gadoxetic acid uptake in serial MRI examinations for evaluation of liver function. <i>Abdominal Radiology</i> , 2019 , 44, 2759-2768	3	7
140	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	8	11
139	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	3.9	22
138	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	8	3
137	Clinical trials in radiology and data sharing: results from a survey of the European Society of Radiology (ESR) research committee. <i>European Radiology</i> , 2019 , 29, 4794-4802	8	4
136	Interstitial Brachytherapy in Combination With Previous Transarterial Embolization in Patients With Unresectable Hepatocellular Carcinoma. <i>Anticancer Research</i> , 2019 , 39, 1329-1336	2.3	7
135	Combined morphological and functional liver MRI using spin-lattice relaxation in the rotating frame (T1 ρ) in conjunction with Gadoxetic Acid-enhanced MRI. <i>Scientific Reports</i> , 2019 , 9, 2083	4.9	3
134	Improved visualisation of hepatic metastases in gadoxetate disodium-enhanced MRI: Potential of contrast-optimised (phase-sensitive) inversion recovery imaging. <i>PLoS ONE</i> , 2019 , 14, e0213408	3.7	3

133	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	8	22
132	Periradicular Infiltration of the Cervical Spine: How New CT Scanner Techniques and Protocol Modifications Contribute to the Achievement of Low-Dose Interventions. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2019 , 191, 54-61	2.3	2
131	DCE-MR imaging of orbital lesions: diagnostic performance of the tumor flow residence time λ calculated by a multi-compartmental pharmacokinetic tumor model based on individual factors. <i>Acta Radiologica</i> , 2019 , 60, 643-652	2	6
130	Paper-based 3D printing of anthropomorphic CT phantoms: Feasibility of two construction techniques. <i>European Radiology</i> , 2019 , 29, 1384-1390	8	19
129	Split-bolus vs. multiphasic contrast bolus protocol in patients with pancreatic cancer or cholangiocarcinoma. <i>European Journal of Radiology</i> , 2019 , 119, 108626	4.7	3
128	MR Angiography of the Head/Neck Vascular System in Mice on a Clinical MRI System. <i>Contrast Media and Molecular Imaging</i> , 2019 , 2019, 5461809	3.2	1
127	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	4.7	4
126	US Time-Harmonic Elastography for the Early Detection of Glomerulonephritis. <i>Radiology</i> , 2019 , 292, 676-684	20.5	6
125	Accuracy of standard clinical 3T prostate MRI for pelvic lymph node staging: Comparison to Ga-PSMA PET-CT. <i>Scientific Reports</i> , 2019 , 9, 10727	4.9	4
124	Dynamic contrast-enhanced MR imaging of the prostate: intraindividual comparison of gadoterate meglumine and gadobutrol. <i>European Radiology</i> , 2019 , 29, 6982-6990	8	0
123	Quantitative biparametric analysis of hybrid F-FET PET/MR-neuroimaging for differentiation between treatment response and recurrent glioma. <i>Scientific Reports</i> , 2019 , 9, 14603	4.9	11
122	MPI Phantom Study with A High-Performing Multicore Tracer Made by Coprecipitation. <i>Nanomaterials</i> , 2019 , 9,	5.4	13
121	Tomoelastography Distinguishes Noninvasively between Benign and Malignant Liver Lesions. <i>Cancer Research</i> , 2019 , 79, 5704-5710	10.1	27
120	Characterization of office laser printers for 3-D printing of soft tissue CT phantoms. <i>Journal of Medical Imaging</i> , 2019 , 6, 021602	2.6	3
119	Multiparametric Ultrasound (mpUS) of a Rare Testicular Capillary Hemangioma. <i>Case Reports in Radiology</i> , 2019 , 2019, 7568098	0.6	2
118	Native T1 mapping of autoimmune pancreatitis as a quantitative outcome surrogate. <i>European Radiology</i> , 2019 , 29, 4436-4446	8	5
117	Ultrasound Time-Harmonic Elastography of the Aorta: Effect of Age and Hypertension on Aortic Stiffness. <i>Investigative Radiology</i> , 2019 , 54, 675-680	10.1	9
116	LOW-DOSE COMPUTED TOMOGRAPHY OF THE PARANASAL SINUSES: PERFORMANCE OF TWO DIFFERENT ITERATIVE RECONSTRUCTION ALGORITHMS. <i>Radiation Protection Dosimetry</i> , 2019 , 183, 386-392	0.9	3

115	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	2.7	6
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