Heinz-Peter Schlemmer

List of Publications by Year
in descending order

157 papers	7,699 citations	50244 46 h-index	60583 81 g-index
159 all docs	159 docs citations	159 times ranked	9562 citing authors

#	Article	IF	Citations
1	Repeatability and Reproducibility of ADC Measurements and MRI Signal Intensity Measurements of Bone Marrow in Monoclonal Plasma Cell Disorders. Investigative Radiology, 2022, 57, 272-281.	3.5	22
2	Pancreatic imaging using diffusivity mapping â€" Influence of sequence technique on qualitative and quantitative analysis. Clinical Imaging, 2022, 83, 33-40.	0.8	2
3	Impact of Surgeonâ€™s Experience in Rigid Versus Elastic MRI/TRUS-Fusion Biopsy to Detect Significant Prostate Cancer Using Targeted and Systematic Cores. Cancers, 2022, 14, 886.	1.7	3
4	Quantitative Analysis of DCE and DSC-MRI: From Kinetic Modeling to Deep Learning. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2022, , .	0.7	0
5	Motion correction for threeâ€dimensional chemical exchange saturation transfer imaging without direct water saturation artifacts. NMR in Biomedicine, 2022, 35, e4720.	1.6	4
6	Anterior chamber enhancement predicts optic nerve infiltration in retinoblastoma. European Radiology, 2022, 32, 7354-7364.	2.3	5
7	Assessing the influence of the menstrual cycle on APT CEST-MRI in the human breast. Magnetic Resonance Imaging, 2022, 91, 24-31.	1.0	2
8	Wholeâ€body magnetic resonance imaging plus serological followâ€up for early identification of progression in smouldering myeloma patients to prevent development of endâ€organ damage. British Journal of Haematology, 2022, 199, 65-75.	1.2	8
9	Standardized Magnetic Resonance Imaging Reporting Using the Prostate Cancer Radiological Estimation of Change in Sequential Evaluation Criteria and Magnetic Resonance Imaging/Transrectal Ultrasound Fusion with Transperineal Saturation Biopsy to Select Men on Active Surveillance. European Urology Focus, 2021, 7, 102-110.	1.6	28
10	Simulated clinical deployment of fully automatic deep learning for clinical prostate MRI assessment. European Radiology, 2021, 31, 302-313.	2.3	24
11	Strengths and Weaknesses of Nonâ€enhanced and Contrastâ€enhanced Cadaver Computed Tomography Scans in the Teaching of Gross Anatomy in an Integrated Curriculum. Anatomical Sciences Education, 2021, , .	2.5	5
12	Comparison of Prostate MRI Lesion Segmentation Agreement Between Multiple Radiologists and a Fully Automatic Deep Learning System. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2021, 193, 559-573.	0.7	18
13	Magnetic resonance imagingâ€guided transurethral ultrasound ablation in patients with localised prostate cancer: 3â€year outcomes of a prospective Phase I study. BJU International, 2021, 127, 544-552.	1.3	13
14	The Value of Prostate-specific Antigen Density for Prostate Imaging-Reporting and Data System 3 Lesions on Multiparametric Magnetic Resonance Imaging: A Strategy to Avoid Unnecessary Prostate Biopsies. European Urology Focus, 2021, 7, 325-331.	1.6	34
15	Clinical routine acquisition protocol for 3D relaxationâ€compensated APT and rNOE CESTâ€MRI of the human brain at 3T. Magnetic Resonance in Medicine, 2021, 86, 393-404.	1.9	15
16	Analyzing Longitudinal wb-MRI Data and Clinical Course in a Cohort of Former Smoldering Multiple Myeloma Patients: Connections between MRI Findings and Clinical Progression Patterns. Cancers, 2021, 13, 961.	1.7	8
17	Comparison of single-scanner single-protocol quantitative ADC measurements to ADC ratios to detect clinically significant prostate cancer. European Journal of Radiology, 2021, 136, 109538.	1.2	7
18	X-ray-Based Techniques to Study the Nanoâ€"Bio Interface. ACS Nano, 2021, 15, 3754-3807.	7.3	60

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19	Photon‐counting normalized metal artifact reduction (NMAR) in diagnostic CT. Medical Physics, 2021, 48, 3572-3582.	1.6	17
20	Discovering Digital Tumor Signatures—Using Latent Code Representations to Manipulate and Classify Liver Lesions. Cancers, 2021, 13, 3108.	1.7	1
21	Diffusivity mapping of the ovaries: Variability of apparent diffusion and kurtosis variables over the menstrual cycle and influence of oral contraceptives. Magnetic Resonance Imaging, 2021, 80, 50-57.	1.0	0
22	Dorsal Root Ganglion Morphometric Changes Under Oxaliplatin Treatment. Clinical Neuroradiology, 2021, , 1.	1.0	1
23	Vesseg. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 2516-2522.	1.1	0
24	Improvement of PI-RADS-dependent prostate cancer classification by quantitative image assessment using radiomics or mean ADC. Magnetic Resonance Imaging, 2021, 82, 9-17.	1.0	19
25	High-intensity focused ultrasound (HIFU) hemiablation of the prostate: Late follow-up MRI findings in non-recurrent patients. European Journal of Radiology, 2021, 144, 109957.	1.2	6
26	Self-guided Multiple Instance Learning for Weakly Supervised Disease Classification and Localization in Chest Radiographs. Lecture Notes in Computer Science, 2021, , 617-634.	1.0	2
27	Pre-examinations Improve Automated Metastases Detection on Cranial MRI. Investigative Radiology, 2021, 56, 320-327.	3.5	5
28	Imaging of prostate cancer. Deutsches Ärzteblatt International, 2021, , .	0.6	8
29	Assessment of Sodium MRI at 7 Tesla as Predictor of Therapy Response and Survival in Glioblastoma Patients. Frontiers in Neuroscience, 2021, 15, 782516.	1.4	6
30	Mapping an Extended Metabolic Profile of Gliomas Using High-Resolution 31P MRSI at 7T. Frontiers in Neurology, 2021, 12, 735071.	1.1	7
31	Combined Clinical Parameters and Multiparametric Magnetic Resonance Imaging for the Prediction of Extraprostatic Disease—A Risk Model for Patient-tailored Risk Stratification When Planning Radical Prostatectomy. European Urology Focus, 2020, 6, 1205-1212.	1.6	39
32	Assessment of Melanin Content and its Influence on Susceptibility Contrast in Melanoma Metastases. Clinical Neuroradiology, 2020, 30, 607-614.	1.0	9
33	A novel normalization for amide proton transfer CEST MRI to correct for fat signal—induced artifacts: application to human breast cancer imaging. Magnetic Resonance in Medicine, 2020, 83, 920-934.	1.9	26
34	Dynamic glucose‐enhanced (DGE) MRI in the human brain at 7 T with reduced motion‐induced artifacts based on quantitative R 1ρ mapping. Magnetic Resonance in Medicine, 2020, 84, 182-191.	1.9	11
35	Potential of contrast agents based on high‐Z elements for contrast‐enhanced photon‐counting computed tomography. Medical Physics, 2020, 47, 6179-6190.	1.6	18
36	Ultra-high-field sodium MRI as biomarker for tumor extent, grade and IDH mutation status in glioma patients. NeuroImage: Clinical, 2020, 28, 102427.	1.4	22

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37	Joint Imaging Platform for Federated Clinical Data Analytics. JCO Clinical Cancer Informatics, 2020, 4, 1027-1038.	1.0	39
38	Influence of residual fat signal on diffusion kurtosis MRI of suspicious mammography findings. Scientific Reports, 2020, 10, 13286.	1.6	5
39	No Changes in T1 Relaxometry After a Mean of 11 Administrations of Gadobutrol. Investigative Radiology, 2020, 55, 381-386.	3.5	6
40	Spatial Distribution of Focal Lesions in Whole-Body MRI and Influence of MRI Protocol on Staging in Patients with Smoldering Multiple Myeloma According to the New SLiM-CRAB-Criteria. Cancers, 2020, 12, 2537.	1.7	7
41	Volumetric mapping of intra–and extracellular pH in the human brain using ^{31}P MRSI at 7T. Magnetic Resonance in Medicine, 2020, 84, 1707-1723.	1.9	34
42	Relaxation-compensated CEST (chemical exchange saturation transfer) imaging in breast cancer diagnostics at 7T. European Journal of Radiology, 2020, 129, 109068.	1.2	22
43	Ultra-High-*b*-Value Kurtosis Imaging for Noninvasive Tissue Characterization of Ovarian Lesions. Radiology, 2020, 296, 358-369.	3.6	10
44	The anterior eye chamber: entry of the natural excretion pathway of gadolinium contrast agents?. European Radiology, 2020, 30, 4633-4640.	2.3	7
45	Gibbs point field model quantifies disorder in microvasculature of U87-glioblastoma. Journal of Theoretical Biology, 2020, 494, 110230.	0.8	4
46	Structured Reporting of Solid and Cystic Pancreatic Lesions in CT and MRI: Consensus-Based Structured Report Templates of the German Society of Radiology (DRG). RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2020, 192, 641-656.	0.7	15
47	Quantitative Dynamic Oxygen 17 MRI at 7.0 T for the Cerebral Oxygen Metabolism in Glioma. Radiology, 2020, 295, 181-189.	3.6	37
48	Radiological Monitoring of Modern Immunotherapy: A Novel Challenge for Interdisciplinary Patient Care. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2020, 192, 235-245.	0.7	7
49	Real–time 4DMRI–based internal target volume definition for moving lung tumors. Medical Physics, 2020, 47, 1431-1442.	1.6	20
50	Clinical MR Biomarkers. Recent Results in Cancer Research, 2020, 216, 719-745.	1.8	2
51	Chemical exchange saturation transfer (CEST) signal intensity at 7T MRI of WHO IV° gliomas is dependent on the anatomic location. Journal of Magnetic Resonance Imaging, 2019, 49, 777-785.	1.9	27
52	Vessel architecture imaging using multiband gradient-echo/spin-echo EPI. PLoS ONE, 2019, 14, e0220939.	1.1	18
53	Automated brain extraction of multisequence MRI using artificial neural networks. Human Brain Mapping, 2019, 40, 4952-4964.	1.9	284
54	Susceptibility based multiparametric quantification of liver disease: Non-invasive evaluation of steatosis and iron overload. Magnetic Resonance Imaging, 2019, 63, 114-122.	1.0	11

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55	Macroangiopathy is a positive predictive factor for response to immunotherapy. Scientific Reports, 2019, 9, 9728.	1.6	6
56	Classification of Cancer at Prostate MRI: Deep Learning versus Clinical PI-RADS Assessment. Radiology, 2019, 293, 607-617.	3.6	214
57	Prediction of significant prostate cancer in biopsy-naïve men: Validation of a novel risk model combining MRI and clinical parameters and comparison to an ERSPC risk calculator and PI-RADS. PLoS ONE, 2019, 14, e0221350.	1.1	13
58	Multiple Myeloma Guidelines and Their Recent Updates: ImplicationsÂfor Imaging. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2019, 191, 998-1009.	0.7	25
59	CT- and ultrasound-characteristics of hepatic lesions in patients with multiple endocrine neoplasia syndrome. A retrospective image review of 25 cases. PLoS ONE, 2019, 14, e0212865.	1.1	2
60	Early response assessment of glioma patients to definitive chemoradiotherapy using chemical exchange saturation transfer imaging at 7 T. Journal of Magnetic Resonance Imaging, 2019, 50, 1268-1277.	1.9	58
61	Relaxationâ€compensated APT and rNOE CESTâ€MRI of human brain tumors at 3 T. Magnetic Resonance in Medicine, 2019, 82, 622-632.	1.9	49
62	Automated quantitative tumour response assessment of MRI in neuro-oncology with artificial neural networks: a multicentre, retrospective study. Lancet Oncology, The, 2019, 20, 728-740.	5.1	271
63	Susceptibilityâ€weighted imaging in malignant melanoma brain metastasis. Journal of Magnetic Resonance Imaging, 2019, 50, 1251-1259.	1.9	11
64	Guidelines for Acquisition, Interpretation, and Reporting of Whole-Body MRI in Myeloma: Myeloma Response Assessment and Diagnosis System (MY-RADS). Radiology, 2019, 291, 5-13.	3.6	209
65	Relaxation-compensated amide proton transfer (APT) MRI signal intensity is associated with survival and progression in high-grade glioma patients. European Radiology, 2019, 29, 4957-4967.	2.3	64
66	Can Virtual Contrast Enhancement in Brain MRI Replace Gadolinium?. Investigative Radiology, 2019, 54, 653-660.	3.5	93
67	High-resolution FLAIR MRI at 7 Tesla for treatment planning in glioblastoma patients. Radiotherapy and Oncology, 2019, 130, 180-184.	0.3	17
68	Dual-contrast pCASL using simultaneous gradient-echo/spin-echo multiband EPI. Magnetic Resonance Imaging, 2019, 57, 359-367.	1.0	8
69	Abbreviated MRI Protocols in Breast Cancer Diagnostics. Journal of Magnetic Resonance Imaging, 2019, 49, 647-658.	1.9	21
70	Voxel-size dependent quantitative susceptibility mapping of blood vessel networks: A simulation study. Zeitschrift Fur Medizinische Physik, 2019, 29, 282-291.	0.6	3
71	Histopathological to multiparametric MRI spatial mapping of extended systematic sextant and MR/TRUS-fusion-targeted biopsy of the prostate. European Radiology, 2019, 29, 1820-1830.	2.3	24
72	Radiomics Based on Adapted Diffusion Kurtosis Imaging Helps to Clarify Most Mammographic Findings Suspicious for Cancer. Radiology, 2018, 287, 761-770.	3.6	81

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73	Contrast-enhanced cadaver-specific computed tomography in gross anatomy teaching. European Radiology, 2018, 28, 2838-2844.	2.3	11
74	Assessing the predictability of *IDH* mutation and *MGMT* methylation status in glioma patients using relaxation-compensated multipool CEST MRI at 7.0 T. Neuro-Oncology, 2018, 20, 1661-1671.	0.6	119
75	A New Approach for Photorealistic Visualization of Rendered Computed Tomography Images. World Neurosurgery, 2018, 114, e283-e292.	0.7	29
76	Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. Neuro-Oncology, 2018, 20, 848-857.	0.6	170
77	Simultaneous whole-body 18F–PSMA-1007-PET/MRI with integrated high-resolution multiparametric imaging of the prostatic fossa for comprehensive oncological staging of patients with prostate cancer: a pilot study. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 340-347.	3.3	32
78	Prospective comparison of transperineal magnetic resonance imaging/ultrasonography fusion biopsy and transrectal systematic biopsy in biopsy‐naïve patients. BJU International, 2018, 121, 53-60.	1.3	47
79	Prognostic significance of tumor burden assessed by whole-body magnetic resonance imaging in multiple myeloma patients treated with allogeneic stem cell transplantation. Haematologica, 2018, 103, 336-343.	1.7	18
80	Chemical exchange saturation transfer MRI serves as predictor of early progression in glioblastoma patients. Oncotarget, 2018, 9, 28772-28783.	0.8	63
81	Global Challenges for Cancer Imaging. Journal of Global Oncology, 2018, 4, 1-10.	0.5	20
82	Correlation between genomic index lesions and mpMRI and 68Ga-PSMA-PET/CT imaging features in primary prostate cancer. Scientific Reports, 2018, 8, 16708.	1.6	27
83	Radiomic Machine Learning for Characterization of Prostate Lesions with MRI: Comparison to ADC Values. Radiology, 2018, 289, 128-137.	3.6	162
84	Incidental pulmonary emboli in stage IV melanoma patients: Prevalence in CT staging examinations and improved detection with vessel reconstructions based on dual energy CT. PLoS ONE, 2018, 13, e0199458.	1.1	8
85	Voxel-wise radiogenomic mapping of tumor location with key molecular alterations in patients with glioma. Neuro-Oncology, 2018, 20, 1517-1524.	0.6	36
86	Sensitivity of different MRI sequences in the early detection of melanoma brain metastases. PLoS ONE, 2018, 13, e0193946.	1.1	27
87	Assessment of tumor oxygenation and its impact on treatment response in bevacizumab-treated recurrent glioblastoma. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 485-494.	2.4	32
88	Independent value of image fusion in unenhanced breast MRI using diffusion-weighted and morphological T2-weighted images for lesion characterization in patients with recently detected BI-RADS 4/5 x-ray mammography findings. European Radiology, 2017, 27, 562-569.	2.3	40
89	Downfield‐NOE‐suppressed amide‐CEST‐MRI at 7 Tesla provides a unique contrast in human glioblastoma. Magnetic Resonance in Medicine, 2017, 77, 196-208.	1.9	108
90	Pediatric Brain: No Increased Signal Intensity in the Dentate Nucleus on Unenhanced T1-weighted MR Images after Consecutive Exposure to a Macrocyclic Gadolinium-based Contrast Agent. Radiology, 2017, 283, 828-836.	3.6	74

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91	Diffusion‐weighted MRI treatment monitoring of primary hypofractionated proton and carbon ion prostate cancer irradiation using raster scan technique. Journal of Magnetic Resonance Imaging, 2017, 46, 850-860.	1.9	8
92	Prediction of malignancy by a radiomic signature from contrast agent‐free diffusion MRI in suspicious breast lesions found on screening mammography.. Journal of Magnetic Resonance Imaging, 2017, 46, 604-616.	1.9	113
93	Improved detection of melanoma metastases by iodine maps from dual energy CT. European Journal of Radiology, 2017, 90, 27-33.	1.2	14
94	Fast and Quantitative T1‐weighted Dynamic Glucose Enhanced MRI. Scientific Reports, 2017, 7, 42093.	1.6	58
95	Combined Clinical Parameters and Multiparametric Magnetic Resonance Imaging for Advanced Risk Modeling of Prostate Cancer—Patient-tailored Risk Stratification Can Reduce Unnecessary Biopsies. European Urology, 2017, 72, 888-896.	0.9	136
96	Sensitive and non-invasive assessment of hepatocellular iron using a novel room-temperature susceptometer. Journal of Hepatology, 2017, 67, 535-542.	1.8	13
97	Effects of arm truncation on the appearance of the halo artifact in 68Ga-PSMA-11 (HBED-CC) PET/MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1636-1646.	3.3	17
98	T1‐weighted Dynamic Glucose-enhanced MR Imaging in the Human Brain. Radiology, 2017, 285, 914-922.	3.6	72
99	The Value of PSA Density in Combination with PI-RADS™ for the Accuracy of Prostate Cancer Prediction. Journal of Urology, 2017, 198, 575-582.	0.2	179
100	No Signal Intensity Increase in the Dentate Nucleus on Unenhanced T1-weighted MR Images after More than 20 Serial Injections of Macrocyclic Gadolinium-based Contrast Agents. Radiology, 2017, 282, 699-707.	3.6	98
101	Local recurrence of prostate cancer after radical prostatectomy is at risk to be missed in 68Ga-PSMA-11-PET of PET/CT and PET/MRI: comparison with mpMRI integrated in simultaneous PET/MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 776-787.	3.3	124
102	Improved clinical workflow for simultaneous whole-body PET/MRI using high-resolution CAIPIRINHA-accelerated MR-based attenuation correction. European Journal of Radiology, 2017, 96, 12-20.	1.2	24
103	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. Journal of Magnetic Resonance Imaging, 2017, 45, spcone.	1.9	2
104	Suitable reference tissues for quantitative susceptibility mapping of the brain. Magnetic Resonance in Medicine, 2017, 78, 204-214.	1.9	80
105	Cadaver-specific CT scans visualized at the dissection table combined with virtual dissection tables improve learning performance in general gross anatomy. European Radiology, 2017, 27, 2153-2160.	2.3	68
106	Adiabatically prepared spin‐lock approach for T1‐based dynamic glucose enhanced MRI at ultrahigh fields. Magnetic Resonance in Medicine, 2017, 78, 215-225.	1.9	71
107	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. Journal of Magnetic Resonance Imaging, 2017, 45, 889-898.	1.9	54
108	New bone post-processing tools in forensic imaging: a multi-reader feasibility study to evaluate detection time and diagnostic accuracy in rib fracture assessment. International Journal of Legal Medicine, 2017, 131, 489-496.	1.2	15

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109	Multicentre evaluation of targeted and systematic biopsies using magnetic resonance and ultrasound image‑fusion guided transperineal prostate biopsy in patients with a previous negative biopsy. BJU International, 2017, 120, 631-638.	1.3	104
110	On a fractional order calculus model in diffusion weighted breast imaging to differentiate between malignant and benign breast lesions detected on X-ray screening mammography. PLoS ONE, 2017, 12, e0176077.	1.1	28
111	Investigation of the halo-artifact in 68Ga-PSMA-11-PET/MRI. PLoS ONE, 2017, 12, e0183329.	1.1	53
112	Differentiation of pseudoprogression and real progression in glioblastoma using ADC parametric response maps. PLoS ONE, 2017, 12, e0174620.	1.1	39
113	Tumor Infiltration in Enhancing and Non-Enhancing Parts of Glioblastoma: A Correlation with Histopathology. PLoS ONE, 2017, 12, e0169292.	1.1	113
114	Dorsal root ganglia hypertrophy as in vivo correlate of oxaliplatin-induced polyneuropathy. PLoS ONE, 2017, 12, e0183845.	1.1	26
115	Mask-Adapted Background Field Removal for Artifact Reduction in Quantitative Susceptibility Mapping of the Prostate. Tomography, 2017, 3, 96-100.	0.8	9
116	Morphological correlates of oxaliplatin induced peripheral neuropathy assessed by magnetic resonance neurography.. Journal of Clinical Oncology, 2017, 35, 10092-10092.	0.8	0
117	Na MRI and myometry to compare eplerenone vs. glucocorticoid treatment in Duchenne dystrophy. Acta Myologica, 2017, 36, 2-13.	1.5	9
118	Evaluation of an Automated Analysis Tool for Prostate Cancer Prediction Using Multiparametric Magnetic Resonance Imaging. PLoS ONE, 2016, 11, e0159803.	1.1	14
119	7-T ^{35}Cl and ^{23}Na MR Imaging for Detection of Mutation-dependent Alterations in Muscular Edema and Fat Fraction with Sodium and Chloride Concentrations in Muscular Periodic Paralyses. Radiology, 2016, 280, 848-859.	3.6	23
120	Increased microcirculation detected by dynamic contrast‑enhanced magnetic resonance imaging is of prognostic significance in asymptomatic myeloma. British Journal of Haematology, 2016, 174, 127-135.	1.2	25
121	Advanced abdominal imaging with dual energy CT is feasible without increasing radiation dose. Cancer Imaging, 2016, 16, 15.	1.2	52
122	Acute Toxicity and Quality of Life in Patients With Prostate Cancer Treated With Protons or Carbon Ions in a Prospective Randomized Phase II Study—The IPI Trial. International Journal of Radiation Oncology Biology Physics, 2016, 95, 435-443.	0.4	49
123	MR—Consistent Simultaneous Reconstruction of Attenuation and Activity for Non—TOF PET/MR. IEEE Transactions on Nuclear Science, 2016, 63, 2443-2451.	1.2	10
124	Letter to the Editor. European Journal of Radiology, 2016, 85, 1682.	1.2	0
125	Radiogenomics of Glioblastoma: Machine Learning—based Classification of Molecular Characteristics by Using Multiparametric and Multiregional MR Imaging Features. Radiology, 2016, 281, 907-918.	3.6	236
126	Large-scale Radiomic Profiling of Recurrent Glioblastoma Identifies an Imaging Predictor for Stratifying Anti-Angiogenic Treatment Response. Clinical Cancer Research, 2016, 22, 5765-5771.	3.2	230

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127	Radiomic Profiling of Glioblastoma: Identifying an Imaging Predictor of Patient Survival with Improved Performance over Established Clinical and Radiologic Risk Models. Radiology, 2016, 280, 880-889.	3.6	345
128	Dynamic contrast enhanced MRI monitoring of primary proton and carbon ion irradiation of prostate cancer using a novel hypofractionated raster scan technique. Radiotherapy and Oncology, 2016, 120, 313-319.	0.3	10
129	Clinical parameters outweigh diffusion- and perfusion-derived MRI parameters in predicting survival in newly diagnosed glioblastoma. Neuro-Oncology, 2016, 18, 1673-1679.	0.6	36
130	Towards markerless navigation for percutaneous needle insertions. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 107-117.	1.7	22
131	Multiparametric Magnetic Resonance Imaging (MRI) and MRI–Transrectal Ultrasound Fusion Biopsy for Index Tumor Detection: Correlation with Radical Prostatectomy Specimen. European Urology, 2016, 70, 846-853.	0.9	258
132	Prognostic value of combined visualization of MR diffusion and perfusion maps in glioblastoma. Journal of Neuro-Oncology, 2016, 126, 463-472.	1.4	21
133	MR Perfusion–derived Hemodynamic Parametric Response Mapping of Bevacizumab Efficacy in Recurrent Glioblastoma. Radiology, 2016, 279, 542-552.	3.6	51
134	Fast and Noninvasive Characterization of Suspicious Lesions Detected at Breast Cancer X-Ray Screening: Capability of Diffusion-weighted MR Imaging with MIPs. Radiology, 2016, 278, 689-697.	3.6	113
135	Comparison of hybrid 68Ga-PSMA PET/MRI and 68Ga-PSMA PET/CT in the evaluation of lymph node and bone metastases of prostate cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 70-83.	3.3	148
136	Automatic Analysis of Cellularity in Glioblastoma and Correlation with ADC Using Trajectory Analysis and Automatic Nuclei Counting. PLoS ONE, 2016, 11, e0160250.	1.1	35
137	Nuclear Overhauser Enhancement Imaging of Glioblastoma at 7 Tesla: Region Specific Correlation with Apparent Diffusion Coefficient and Histology. PLoS ONE, 2015, 10, e0121220.	1.1	36
138	Microstructural Analysis of Peripheral Lung Tissue through CPMG Inter-Echo Time R2 Dispersion. PLoS ONE, 2015, 10, e0141894.	1.1	12
139	Qualitative and quantitative image analysis of CT and MR imaging in patients with neuroendocrine liver metastases in comparison to 68Ga-DOTATOC PET. European Journal of Radiology, 2015, 84, 1593-1600.	1.2	21
140	Diffusion-mediated dephasing in the dipole field around a single spherical magnetic object. Magnetic Resonance Imaging, 2015, 33, 1126-1145.	1.0	25
141	Pseudoprogression in patients with glioblastoma: clinical relevance despite low incidence. Neuro-Oncology, 2015, 17, 151-159.	0.6	90
142	The Impact of Magnetic Resonance Imaging on Prediction of Extraprostatic Extension and Prostatectomy Outcome in Patients with Low-, Intermediate- and High-Risk Prostate Cancer: Try to Find a Standard. Journal of Endourology, 2015, 29, 1396-1405.	1.1	32
143	Relative cerebral blood volume is a potential predictive imaging biomarker of bevacizumab efficacy in recurrent glioblastoma. Neuro-Oncology, 2015, 17, 1139-1147.	0.6	89
144	Relaxation-compensated CEST-MRI of the human brain at 7 T: Unbiased insight into NOE and amide signal changes in human glioblastoma. NeuroImage, 2015, 112, 180-188.	2.1	165

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145	Comparative Analysis of Transperineal Template Saturation Prostate Biopsy Versus Magnetic Resonance Imaging Targeted Biopsy with Magnetic Resonance Imaging-Ultrasound Fusion Guidance. Journal of Urology, 2015, 193, 87-94.	0.2	196
146	Asymmetry of Deep Medullary Veins on Susceptibility Weighted MRI in Patients with Acute MCA Stroke Is Associated with Poor Outcome. PLoS ONE, 2015, 10, e0120801.	1.1	49
147	Comparison of (18)F-FDG PET/CT and PET/MRI in patients with multiple myeloma. American Journal of Nuclear Medicine and Molecular Imaging, 2015, 5, 469-78.	1.0	44
148	Application of (18)F-FDG PET and diffusion weighted imaging (DWI) in multiple myeloma: comparison of functional imaging modalities. American Journal of Nuclear Medicine and Molecular Imaging, 2015, 5, 479-92.	1.0	45
149	Quantification of Tumor Vessels in Glioblastoma Patients Using Time-of-Flight Angiography at 7 Tesla: A Feasibility Study. PLoS ONE, 2014, 9, e110727.	1.1	30
150	Forensic Imaging for Causal Investigation of Death. Korean Journal of Radiology, 2014, 15, 205.	1.5	6
151	Lung nodule detection in a high-risk population: Comparison of magnetic resonance imaging and low-dose computed tomography. European Journal of Radiology, 2014, 83, 600-605.	1.2	54
152	Pose-independent surface matching for intra-operative soft-tissue marker-less registration. Medical Image Analysis, 2014, 18, 1101-1114.	7.0	31
153	Nuclear Overhauser Enhancement Mediated Chemical Exchange Saturation Transfer Imaging at 7 Tesla in Glioblastoma Patients. PLoS ONE, 2014, 9, e104181.	1.1	62
154	Definitions of terms, processes and a minimum dataset for transperineal prostate biopsies: a standardization approach of the <scp>G</scp>insburg <scp>S</scp>tudy <scp>G</scp>roup for <scp>E</scp>nhanced <scp>P</scp>rostate <scp>D</scp>iagnostics. BJU International, 2013, 112, 568-577.	1.3	125
155	The role of perfusion effects in monitoring of chemoradiotherapy of rectal carcinoma using diffusion-weighted imaging. Cancer Imaging, 2013, 13, 548-556.	1.2	22
156	Critical evaluation of MRI-targeted TRUS-guided transperineal fusion biopsy for detection of prostate cancer.. Journal of Clinical Oncology, 2013, 31, e16063-e16063.	0.8	0
157	Can pre-operative contrast-enhanced dynamic MR imaging for prostate cancer predict microvessel density in prostatectomy specimens?. European Radiology, 2004, 14, 309-317.	2.3	156