

# Michael V Knopp

## List of Publications by Year in descending order

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211  
papers

12,694  
citations

29994

54  
h-index

26548

107  
g-index

218  
all docs

218  
docs citations

218  
times ranked

13422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating kinetic parameters from dynamic contrast-enhanced t1-weighted MRI of a diffusable tracer: Standardized quantities and symbols. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 223-232.	1.9	2,856
2	Phase II Trial of Sorafenib in Metastatic Thyroid Cancer. <i>Journal of Clinical Oncology</i> , 2009, 27, 1675-1684.	0.8	513
3	Functional tumor imaging with dynamic contrast-enhanced magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 509-520.	1.9	401
4	Phase II Clinical Trial of Sorafenib in Metastatic Medullary Thyroid Cancer. <i>Journal of Clinical Oncology</i> , 2010, 28, 2323-2330.	0.8	355
5	Consensus recommendations for a standardized Brain Tumor Imaging Protocol in clinical trials. <i>Neuro-Oncology</i> , 2015, 17, 1188-98.	0.6	346
6	Pharmacokinetic Mapping of the Breast: A New Method for Dynamic MR Mammography. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 506-514.	1.9	302
7	US Intergroup Trial of Response-Adapted Therapy for Stage III to IV Hodgkin Lymphoma Using Early Interim Fluorodeoxyglucose-Positron Emission Tomography Imaging: Southwest Oncology Group S0816. <i>Journal of Clinical Oncology</i> , 2016, 34, 2020-2027.	0.8	239
8	MR imaging of tumor microcirculation: Promise for the new millenium. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 903-907.	1.9	212
9	A comprehensive overview of radioguided surgery using gamma detection probe technology. <i>World Journal of Surgical Oncology</i> , 2009, 7, 11.	0.8	196
10	Imaging Cortical Lesions in Multiple Sclerosis With Ultra-High-Field Magnetic Resonance Imaging. <i>Archives of Neurology</i> , 2010, 67, 812-8.	4.9	184
11	Creatine deficiency syndrome caused by guanidinoacetate methyltransferase deficiency: Diagnostic tools for a new inborn error of metabolism. <i>Journal of Pediatrics</i> , 1997, 131, 626-631.	0.9	177
12	Amide proton transfer MR imaging of prostate cancer: A preliminary study. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 647-654.	1.9	163
13	Multicompartment analysis of gadolinium chelate kinetics: Blood-tissue exchange in mammary tumors as monitored by dynamic MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 233-241.	1.9	145
14	Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Oncology. <i>Topics in Magnetic Resonance Imaging</i> , 2001, 12, 301-308.	0.7	145
15	Delivery of gadolinium-labeled nanoparticles to the sentinel lymph node: Comparison of the sentinel node visualization and estimations of intra-nodal gadolinium concentration by the magnetic resonance imaging. <i>Journal of Controlled Release</i> , 2006, 111, 343-351.	4.8	142
16	Nuclear magnetic resonance imaging of airways in humans with use of hyperpolarized <sup>3</sup> He. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 192-196.	1.9	138
17	Renal Arteries: Optimization of Three-dimensional Gadolinium-enhanced MR Angiography with Bolus-timing-independent Fast Multiphase Acquisition in a Single Breath Hold. <i>Radiology</i> , 1999, 211, 667-679.	3.6	137
18	Motor Dysfunction and Sensorimotor Cortex Activation Changes in Schizophrenia: A Study with Functional Magnetic Resonance Imaging. <i>NeuroImage</i> , 1999, 9, 81-87.	2.1	135

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19	1H MR Spectroscopy in Patients with Metastatic Brain Tumors: A Multicenter Study. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 818-826.	1.9	120
20	Quantitative magnetic resonance imaging in geriatric depression and primary degenerative dementia. <i>Journal of Affective Disorders</i> , 1997, 42, 69-83.	2.0	119
21	Morphologic and Functional Magnetic Resonance Imaging of Renal Artery Stenosis. <i>Journal of the American Society of Nephrology: JASN</i> , 2002, 13, 158-169.	3.0	114
22	Assessment of tumor microcirculation: A new role of dynamic contrast MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 111-119.	1.9	103
23	Quantifying Tumor Vascular Heterogeneity with Dynamic Contrast-Enhanced Magnetic Resonance Imaging: A Review. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-12.	3.0	100
24	MR MAMMOGRAPHY WITH PHARMACOKINETIC MAPPING FOR MONITORING OF BREAST CANCER TREATMENT DURING NEOADJUVANT THERAPY. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1994, 2, 633-658.	0.6	99
25	Localization to atherosclerotic plaque and biodistribution of biochemically derivatized superparamagnetic iron oxide nanoparticles (SPIONs) contrast particles for magnetic resonance imaging (MRI). <i>Biomedical Microdevices</i> , 2007, 9, 719-727.	1.4	97
26	MR microcirculation assessment in cervical cancer: Correlations with histomorphological tumor markers and clinical outcome. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 267-276.	1.9	93
27	Predicting Control of Primary Tumor and Survival by DCE MRI During Early Therapy in Cervical Cancer. <i>Investigative Radiology</i> , 2009, 44, 343-350.	3.5	91
28	Primary and Secondary Brain Tumors at MR Imaging: Bicentric Intraindividual Crossover Comparison of Gadobenate Dimeglumine and Gadopentetate Dimeglumine. <i>Radiology</i> , 2004, 230, 55-64.	3.6	90
29	Cerebral Gliomas and Metastases: Assessment with Contrast-enhanced Fast Fluid-attenuated Inversion-Recovery MR Imaging. <i>Radiology</i> , 1999, 210, 551-557.	3.6	86
30	Five-year follow-up of SWOG S0816: limitations and values of a PET-adapted approach with stage III/IV Hodgkin lymphoma. <i>Blood</i> , 2019, 134, 1238-1246.	0.6	86
31	Contrast Enhancement of Central Nervous System Lesions: Multicenter Intraindividual Crossover Comparative Study of Two MR Contrast Agents. <i>Radiology</i> , 2006, 240, 389-400.	3.6	83
32	Performance evaluation of the next generation solid-state digital photon counting PET/CT system. <i>EJNMMI Research</i> , 2018, 8, 97.	1.1	83
33	Contrast-enhanced MR angiography of the run-off vasculature: Intraindividual comparison of gadobenate dimeglumine with gadopentetate dimeglumine. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 694-702.	1.9	82
34	Tumor radiomic heterogeneity: Multiparametric functional imaging to characterize variability and predict response following cervical cancer radiation therapy. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 1388-1396.	1.9	82
35	Dynamic Contrast-Enhanced MRI of Malignant Pleural Mesothelioma. <i>Chest</i> , 2006, 129, 1570-1576.	0.4	78
36	Time-of-Flight Magnetic Resonance Angiography at 7 Tesla. <i>Investigative Radiology</i> , 2008, 43, 568-573.	3.5	77

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37	Preoperative MRI Underestimates Articular Cartilage Defect Size Compared With Findings at Arthroscopic Knee Surgery. <i>American Journal of Sports Medicine</i> , 2013, 41, 590-595.	1.9	76
38	Synergistic Antipancreatic Tumor Effect by Simultaneously Targeting Hypoxic Cancer Cells With HSP90 Inhibitor and Glycolysis Inhibitor. <i>Clinical Cancer Research</i> , 2008, 14, 1831-1839.	3.2	75
39	Classification of signal-time curves from dynamic MR mammography by neural networks. <i>Magnetic Resonance Imaging</i> , 2001, 19, 51-57.	1.0	74
40	Prospective Tractography-Based Targeting for Improved Safety of Focused Ultrasound Thalamotomy. <i>Neurosurgery</i> , 2019, 84, 160-168.	0.6	73
41	Gadobenate Dimeglumine-Enhanced MRI of the Breast: Analysis of Dose Response and Comparison with Gadopentetate Dimeglumine. <i>American Journal of Roentgenology</i> , 2003, 181, 663-676.	1.0	68
42	Functional magnetic resonance imaging at 1.5 T: Activation pattern in schizophrenic patients receiving neuroleptic medication. <i>Magnetic Resonance Imaging</i> , 1994, 12, 975-982.	1.0	65
43	Topography of callosal atrophy reflects distribution of regional cerebral volume reduction in Alzheimer's disease. <i>Psychiatry Research - Neuroimaging</i> , 1999, 90, 181-192.	0.9	65
44	Serial Therapy-Induced Changes in Tumor Shape in Cervical Cancer and Their Impact on Assessing Tumor Volume and Treatment Response. <i>American Journal of Roentgenology</i> , 2006, 187, 65-72.	1.0	64
45	Performance Comparison of 1.5-T Endorectal Coil MRI with 3.0-T Nonendorectal Coil MRI in Patients with Prostate Cancer. <i>Academic Radiology</i> , 2015, 22, 467-474.	1.3	63
46	Assessment of Utilization and Pharmacovigilance Based on Spontaneous Adverse Event Reporting of Gadopentetate Dimeglumine as a Magnetic Resonance Contrast Agent After 45 Million Administrations and 15 Years of Clinical Use. <i>Investigative Radiology</i> , 2006, 41, 491-499.	3.5	62
47	Prognostic value of interim FDG-PET in diffuse large cell lymphoma: results from the CALGB 50303 Clinical Trial. <i>Blood</i> , 2020, 135, 2224-2234.	0.6	62
48	Fast fluid-attenuated inversion-recovery (FLAIR) MRI in the assessment of intraaxial brain tumors. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 789-798.	1.9	59
49	Hepatic Lesions: Morphologic and Functional Characterization with Multiphase Breath-hold 3D Gadolinium-enhanced MR Angiography—Initial Results. <i>Radiology</i> , 1999, 210, 89-96.	3.6	59
50	Age dependency of the regional cerebral blood volume (rCBV) measured with dynamic susceptibility contrast MR imaging (DSC). <i>Magnetic Resonance Imaging</i> , 1996, 14, 157-162.	1.0	58
51	Pharmacokinetic Properties of Intravitreal I-124-Aflibercept in a Rabbit Model Using PET/CT. <i>Current Eye Research</i> , 2012, 37, 1171-1174.	0.7	58
52	Theranostic Imaging of Yttrium-90. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	58
53	Spinal Cord Stimulation (SCS) and Functional Magnetic Resonance Imaging (fMRI): Modulation of Cortical Connectivity With Therapeutic SCS. <i>Neuromodulation</i> , 2016, 19, 142-153.	0.4	58
54	7 Tesla MR imaging of the human eye in vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 924-932.	1.9	57

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55	Contrast-Enhanced Magnetic Resonance Imaging of Central Nervous System Tumors. Topics in Magnetic Resonance Imaging, 2006, 17, 89-106.	0.7	56
56	Staging of Invasive Cervical Carcinoma and of Pelvic Lymph Nodes by High Resolution MRI with a Phased-Array Coil in Comparison with Pathological Findings. Journal of Computer Assisted Tomography, 1998, 22, 75-81.	0.5	56
57	Oncolytic reovirus in combination with chemotherapy in metastatic or recurrent non-“small cell lung cancer patients with <sc>K</sc>RAS-activated tumors. Cancer, 2016, 122, 875-883.	2.0	55
58	Intracranial meningiomas: Time- and dose-dependent effects of irradiation on tumor microcirculation monitored by dynamic MR imaging. Magnetic Resonance Imaging, 1997, 15, 423-432.	1.0	54
59	Functional magnetic resonance imaging in oncology for diagnosis and therapy monitoring. Molecular Cancer Therapeutics, 2003, 2, 419-26.	1.9	54
60	Motor cortex stimulation measured by magnetic resonance imaging on a standard 1.5 T clinical scanner. Magnetic Resonance Imaging, 1993, 11, 461-464.	1.0	48
61	Pharmacokinetic MRI for assessment of malignant glioma response to stereotactic radiotherapy: Initial results. Journal of Magnetic Resonance Imaging, 1998, 8, 783-788.	1.9	47
62	Deep Brain Stimulation of Frontal Lobe Networks to Treat Alzheimer’s Disease. Journal of Alzheimer’s Disease, 2018, 62, 621-633.	1.2	47
63	Gadobenate Dimeglumine-Enhanced MR Angiography of the Abdominal Aorta and Renal Arteries. American Journal of Roentgenology, 2002, 179, 1573-1582.	1.0	46
64	Radiotherapy treatment planning of basal meningiomas: improved tumor localization by correlation of CT and MR imaging data. Radiotherapy and Oncology, 1992, 25, 56-62.	0.3	45
65	Comparison of pharmacokinetic MRI and [18F] fluorodeoxyglucose PET in the diagnosis of breast cancer: initial experience. European Radiology, 2001, 11, 2058-2070.	2.3	45
66	Minimally invasive neuroradiologic model of preclinical transient middle cerebral artery occlusion in canines. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14100-14105.	3.3	45
67	Arterial-Phase Three-Dimensional Gadolinium Magnetic Resonance Angiography of the Renal Arteries. Investigative Radiology, 1998, 33, 506-514.	3.5	45
68	Pharmacokinetic Analysis of Malignant Pleural Mesothelioma-Initial Results of Tumor Microcirculation and its Correlation to Microvessel Density (CD-34). Academic Radiology, 2008, 15, 563-570.	1.3	44
69	An Endovascular Canine Middle Cerebral Artery Occlusion Model for the Study of Leptomeningeal Collateral Recruitment. Investigative Radiology, 2011, 46, 34-40.	3.5	44
70	DTI at 7 and 3 T: systematic comparison of SNR and its influence on quantitative metrics. Magnetic Resonance Imaging, 2011, 29, 739-751.	1.0	44
71	NCTN Assessment on Current Applications of Radiomics in Oncology. International Journal of Radiation Oncology Biology Physics, 2019, 104, 302-315.	0.4	44
72	Prediction of chemotherapeutic response in bladder cancer using K-means clustering of dynamic contrast-enhanced (DCE)-MRI pharmacokinetic parameters. Journal of Magnetic Resonance Imaging, 2015, 41, 1374-1382.	1.9	41

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73	Evaluation of intraaxial enhancing brain tumors on magnetic resonance imaging: intraindividual crossover comparison of gadobenate dimeglumine and gadopentetate dimeglumine for visualization and assessment, and implications for surgical intervention. <i>Journal of Neurosurgery</i> , 2007, 106, 557-566.	0.9	40
74	Combined use of preoperative 18F FDG-PET imaging and intraoperative gamma probe detection for accurate assessment of tumor recurrence in patients with colorectal cancer. <i>World Journal of Surgical Oncology</i> , 2007, 5, 80.	0.8	40
75	Chemical exchange saturation transfer MR imaging of articular cartilage glycosaminoglycans at 3T: Accuracy of B0 Field Inhomogeneity corrections with gradient echo method. <i>Magnetic Resonance Imaging</i> , 2014, 32, 41-47.	1.0	40
76	Combined approach of perioperative 18F-FDG PET/CT imaging and intraoperative 18F-FDG handheld gamma probe detection for tumor localization and verification of complete tumor resection in breast cancer. <i>World Journal of Surgical Oncology</i> , 2007, 5, 143.	0.8	39
77	Bone marrow uptake of fluorine-18-fluorodeoxyglucose following treatment with hematopoietic growth factors: Initial evaluation. <i>Nuclear Medicine and Biology</i> , 1996, 23, 845-849.	0.3	38
78	Cervical carcinoma: standard and pharmacokinetic analysis of time-intensity curves for assessment of tumor angiogenesis and patient survival. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1999, 8, 55-62.	1.1	38
79	Improved Function After Deep Brain Stimulation for Chronic, Severe Traumatic Brain Injury. <i>Neurosurgery</i> , 2016, 79, 204-211.	0.6	38
80	Multimodal Imaging and Detection Strategy With 124 I-Labeled Chimeric Monoclonal Antibody cG250 for Accurate Localization and Confirmation of Extent of Disease During Laparoscopic and Open Surgical Resection of Clear Cell Renal Cell Carcinoma. <i>Surgical Innovation</i> , 2013, 20, 59-69.	0.4	37
81	Three-region MRI-based whole-body attenuation correction for automated PET reconstruction. <i>Nuclear Medicine and Biology</i> , 2010, 37, 227-235.	0.3	36
82	Monitoring of task performance during functional magnetic resonance imaging of sensorimotor cortex at 1.5 T. <i>Magnetic Resonance Imaging</i> , 1996, 14, 51-58.	1.0	35
83	Comprehensive evaluation of occupational radiation exposure to intraoperative and perioperative personnel from 18F-FDG radioguided surgical procedures. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 2026-2034.	3.3	35
84	Postprocessing correction for distortions in $T_2^*$ decay caused by quadratic cross-slice $B_0$ inhomogeneity. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1258-1268.	1.9	35
85	Postoperative fluid-attenuated inversion recovery MR imaging of cerebral gliomas: initial results. <i>European Radiology</i> , 2001, 11, 2004-2010.	2.3	34
86	RF-related heating assessment of extracranial neurosurgical implants at 7T. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1029-1034.	1.0	34
87	Non-invasive MRI tumor imaging and synergistic anticancer effect of HSP90 inhibitor and glycolysis inhibitor in RIP1-Tag2 transgenic pancreatic tumor model. <i>Cancer Chemotherapy and Pharmacology</i> , 2008, 62, 985-994.	1.1	32
88	Phase contrast and time-of-flight magnetic resonance angiography of the intracerebral arteries at 1.5, 3 and 7 T. <i>Magnetic Resonance Imaging</i> , 2013, 31, 545-549.	1.0	32
89	Quantitative Assessment of Heterogeneity in Bladder Tumor MRI Diffusivity: Can Response be Predicted Prior to Neoadjuvant Chemotherapy?. <i>Bladder Cancer</i> , 2017, 3, 237-244.	0.2	30
90	Abdominal Aortic Aneurysm. <i>Investigative Radiology</i> , 1999, 34, 648.	3.5	30

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91	Simulation and assessment of cerebrovascular damage in deep brain stimulation using a stereotactic atlas of vasculature and structure derived from multiple 3- and 7-tesla scans. <i>Journal of Neurosurgery</i> , 2010, 113, 1234-1241.	0.9	29
92	Phase II Trial of Neoadjuvant Weekly Nanoparticle Albumin-Bound Paclitaxel, Carboplatin, and Biweekly Bevacizumab Therapy in Women With Clinical Stage II or III HER2-Negative Breast Cancer. <i>Clinical Breast Cancer</i> , 2014, 14, 228-234.	1.1	29
93	Advanced Functional Tumor Imaging and Precision Nuclear Medicine Enabled by Digital PET Technologies. <i>Contrast Media and Molecular Imaging</i> , 2017, 2017, 1-7.	0.4	29
94	Pseudohypocalcemia with MR Imaging Contrast Agents: A Cautionary Tale. <i>Radiology</i> , 2003, 227, 627-628.	3.6	28
95	Functional 2D and 3D magnetic resonance imaging of motor cortex stimulation at high spatial resolution using standard 1.5 T imager. <i>Magnetic Resonance Imaging</i> , 1994, 12, 9-15.	1.0	27
96	3D MPRAGE evaluation of lesions in the posterior cranial fossa. <i>Magnetic Resonance Imaging</i> , 1994, 12, 553-558.	1.0	27
97	Off-label use and reimbursement of contrast media in MR. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 489-495.	1.9	27
98	Functional magnetic resonance imaging in a stereotactic setup. <i>Magnetic Resonance Imaging</i> , 1996, 14, 1007-1012.	1.0	26
99	Interleaved gradient echo planar (IGEPI) and phase contrast CINE-PC flow measurements in the renal artery. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 889-895.	1.9	26
100	Sparse Detector Configuration in SiPM Digital Photon Counting PET: a Feasibility Study. <i>Molecular Imaging and Biology</i> , 2019, 21, 447-453.	1.3	26
101	Combined Assessment of Obstructive Sleep Apnea Syndrome with Dynamic MRI and Parallel EEG Registration. <i>Investigative Radiology</i> , 2000, 35, 267-276.	3.5	26
102	High Resolution Ultra High Field Magnetic Resonance Imaging of Glioma Microvasculature and Hypoxia Using Ultra-Small Particles of Iron Oxide. <i>Investigative Radiology</i> , 2009, 44, 375-383.	3.5	25
103	Future vision for the quality assurance of oncology clinical trials. <i>Frontiers in Oncology</i> , 2013, 3, 31.	1.3	24
104	Magnetic resonance imaging of the canine brain at 3 and 7 T. <i>Veterinary Radiology and Ultrasound</i> , 2011, 52, 25-32.	0.4	24
105	Improving the pharmacokinetic parameter measurement in dynamic contrast-enhanced MRI by use of the arterial input function: Theory and clinical application. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1448-1456.	1.9	23
106	Preliminary evaluation: Magnetic resonance of urography using a saturation inversion projection spin-echo sequence. <i>Magnetic Resonance Imaging</i> , 1993, 11, 319-327.	1.0	22
107	Gadobenate Dimeglumine-Enhanced Magnetic Resonance Angiography of the Pelvic Arteries. <i>Investigative Radiology</i> , 2003, 38, 504-515.	3.5	22
108	Classification of Signal-Time Curves Obtained by Dynamic Magnetic Resonance Mammography. <i>Investigative Radiology</i> , 2005, 40, 442-447.	3.5	22

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109	Clinical Magnetic Resonance Imaging of Brain Tumors at Ultrahigh Field. Topics in Magnetic Resonance Imaging, 2006, 17, 53-61.	0.7	22
110	Comparison of Magnetic Resonance Angiography Scans on 1.5, 3, and 7 Tesla Units: A Quantitative Study of 3-Dimensional Cerebrovasculature. Journal of Neuroimaging, 2013, 23, 86-95.	1.0	22
111	A comparison of magnetization prepared 3D gradientecho (MP-RAGE) sequences for imaging of intracranial lesions. Magnetic Resonance Imaging, 1996, 14, 329-335.	1.0	21
112	Multimodal imaging and detection approach to 18F-FDG-directed surgery for patients with known or suspected malignancies: a comprehensive description of the specific methodology utilized in a single-institution cumulative retrospective experience. World Journal of Surgical Oncology, 2011, 9, 152.	0.8	20
113	Detecting cortical lesions in multiple sclerosis at 7 T using white matter signal attenuation. Magnetic Resonance Imaging, 2012, 30, 907-915.	1.0	20
114	Assessment of chicken breast meat quality after freeze/thaw abuse using magnetic resonance imaging techniques. Journal of the Science of Food and Agriculture, 2019, 99, 844-853.	1.7	20
115	Arteriovenous Malformations. Investigative Radiology, 2000, 35, 689-694.	3.5	19
116	Contrast-Enhanced Magnetic Resonance Angiography: Technical Considerations for Optimized Clinical Implementation. Topics in Magnetic Resonance Imaging, 2001, 12, 283-299.	0.7	19
117	Multiphase Magnetic Resonance Angiography of the Abdominal and Pelvic Arteries. Investigative Radiology, 2002, 37, 20-28.	3.5	19
118	Special Techniques for Imaging Blood Flow to Tumors. Cancer Journal (Sudbury, Mass ), 2002, 8, 109-118.	1.0	19
119	Bringing advanced medical imaging into the operative arena could revolutionize the surgical care of cancer patients. Expert Review of Medical Devices, 2008, 5, 663-667.	1.4	19
120	Colorectal Liver Metastases: Contrast Agent Diffusion Coefficient for Quantification of Contrast Enhancement Heterogeneity at MR Imaging. Radiology, 2008, 248, 901-909.	3.6	19
121	Assessing Prostate Volume by Magnetic Resonance Imaging. Investigative Radiology, 2005, 40, 243-248.	3.5	18
122	Time-of-flight magnetic resonance angiography of the canine brain at 3.0 Tesla and 7.0 Tesla. American Journal of Veterinary Research, 2011, 72, 350-356.	0.3	18
123	Improving Bladder Cancer Imaging Using 3-T Functional Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Investigative Radiology, 2014, 49, 390-395.	3.5	18
124	MRI of Capillary Hemangioma of the Testis. Journal of Computer Assisted Tomography, 1997, 21, 402-404.	0.5	18
125	Serial MR imaging of intracranial metastases after radiosurgery. Magnetic Resonance Imaging, 1997, 15, 1121-1132.	1.0	17
126	A Dose Escalation and Pharmacodynamic Study of Triapine and Radiation in Patients With Locally Advanced Pancreas Cancer. International Journal of Radiation Oncology Biology Physics, 2012, 84, e475-e481.	0.4	17



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127	The pulmonary artery acceleration time determined with the MR-RACE-Technique: Comparison to pulmonary artery mean pressure in 12 patients. <i>Magnetic Resonance Imaging</i> , 1994, 12, 25-31.	1.0	16
128	<sup>124</sup> I-HuCC49deltaCH2 for TAG-72 antigen-directed positron emission tomography (PET) imaging of LS174T colon adenocarcinoma tumor implants in xenograft mice: preliminary results. <i>World Journal of Surgical Oncology</i> , 2010, 8, 65.	0.8	16
129	Quantitative Computerized Two-Point Correlation Analysis of Lung CT Scans Correlates With Pulmonary Function in Pulmonary Sarcoidosis. <i>Chest</i> , 2012, 142, 1589-1597.	0.4	16
130	T1 and proton density at 7 T in patients with multiple sclerosis: an initial study. <i>Magnetic Resonance Imaging</i> , 2012, 30, 19-25.	1.0	16
131	A comparison of FLT to FDG PET/CT in the early assessment of chemotherapy response in stages IB-III A resectable NSCLC. <i>EJNMMI Research</i> , 2017, 7, 8.	1.1	16
132	Considerations on Integrating Prostate-Specific Membrane Antigen Positron Emission Tomography Imaging Into Clinical Prostate Cancer Trials by National Clinical Trials Network Cooperative Groups. <i>Journal of Clinical Oncology</i> , 2022, 40, 1500-1505.	0.8	16
133	Fatty replacement of bone marrow after radiation therapy for Hodgkin disease: Quantification with chemical shift imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1993, 3, 575-580.	1.9	15
134	Bone marrow after autologous blood stem cell transplantation and total body irradiation: Magnetic resonance and chemical shift imaging. <i>Magnetic Resonance Imaging</i> , 1993, 11, 965-975.	1.0	15
135	Contrast-enhanced magnetization transfer imaging: improvement of brain tumor conspicuity and delineation for radiosurgical target volume definition. <i>Radiotherapy and Oncology</i> , 1997, 43, 261-267.	0.3	15
136	Nanoparticulate Iron Oxide Contrast Agents for Untargeted and Targeted Cardiovascular Magnetic Resonance Imaging. <i>Current Nanoscience</i> , 2009, 5, 88-102.	0.7	15
137	Feasibility of Na <sup>18</sup> F PET/CT and MRI for Noninvasive In Vivo Quantification of Knee Pathophysiological Bone Metabolism in a Canine Model of Post-traumatic Osteoarthritis. <i>Molecular Imaging</i> , 2017, 16, 153601211771457.	0.7	15
138	Bile-Tagged 3D Magnetic Resonance Colonography After Exclusive Intravenous Administration of Gadobenate Dimeglumine, a Contrast Agent with Partial Hepatobiliary Excretion. <i>Investigative Radiology</i> , 2001, 36, 619-623.	3.5	14
139	Intraindividual In Vivo Comparison of Gadolinium Contrast Agents for Pharmacokinetic Analysis Using Dynamic Contrast Enhanced Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2010, 45, 233-244.	3.5	14
140	Retrobulbar vasculature using 7-T magnetic resonance imaging with dedicated eye surface coil. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2013, 251, 271-277.	1.0	14
141	More on Pseudohypocalcemia and Gadolinium-Enhanced MRI. <i>New England Journal of Medicine</i> , 2004, 350, 87-88.	13.9	13
142	Clinical feasibility of <sup>90</sup> Y digital PET/CT for imaging microsphere biodistribution following radioembolization. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1194-1197.	3.3	13
143	Non-invasive quantification of tumour heterogeneity in water diffusivity to differentiate malignant from benign tissues of urinary bladder: a phase I study. <i>European Radiology</i> , 2017, 27, 2146-2152.	2.3	13
144	Eccentric rehabilitation induces white matter plasticity and sensorimotor recovery in chronic spinal cord injury. <i>Experimental Neurology</i> , 2021, 346, 113853.	2.0	13

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145	ACL graft metabolic activity assessed by 18 FDG PET-MRI. <i>Knee</i> , 2017, 24, 792-797.	0.8	13
146	Macroscopic tumor volume of malignant glioma determined by contrast-enhanced magnetic resonance imaging with and without magnetization transfer contrast. <i>Magnetic Resonance Imaging</i> , 1996, 14, 1119-1126.	1.0	12
147	Pharmacokinetic parameters as a potential predictor of response to pharmacotherapy in benign prostatic hyperplasia: a preclinical trial using dynamic contrast-enhanced MRI. <i>Magnetic Resonance Imaging</i> , 2006, 24, 721-725.	1.0	12
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