

# Michael V Knopp

## List of Publications by Year in descending order

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212  
papers

12,694  
citations

30070

54  
h-index

26613

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.  | 3.4 | 2,856     |
| 2  | Phase II Trial of Sorafenib in Metastatic Thyroid Cancer. <i>Journal of Clinical Oncology</i> , 2009, 27, 1675-1684.   | 1.6 | 513       |
| 3  | Functional tumor imaging with dynamic contrast-enhanced magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 509-520.  | 3.4 | 401       |
| 4  | Phase II Clinical Trial of Sorafenib in Metastatic Medullary Thyroid Cancer. <i>Journal of Clinical Oncology</i> , 2010, 28, 2323-2330.  | 1.6 | 355       |
| 5  | Consensus recommendations for a standardized Brain Tumor Imaging Protocol in clinical trials. <i>Neuro-Oncology</i> , 2015, 17, 1188-98.   | 1.2 | 346       |
| 6  | Pharmacokinetic Mapping of the Breast: A New Method for Dynamic MR Mammography. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 506-514.   | 3.0 | 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.                 | 1.6 | 239       |
| 8  | MR imaging of tumor microcirculation: Promise for the new millenium. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 903-907.   | 3.4 | 212       |
| 9  | A comprehensive overview of radioguided surgery using gamma detection probe technology. <i>World Journal of Surgical Oncology</i> , 2009, 7, 11.   | 1.9 | 196       |
| 10 | Imaging Cortical Lesions in Multiple Sclerosis With Ultra-High-Field Magnetic Resonance Imaging. <i>Archives of Neurology</i> , 2010, 67, 812-8.   | 4.5 | 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.  | 1.8 | 177       |
| 12 | Amide proton transfer MR imaging of prostate cancer: A preliminary study. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 647-654.  | 3.4 | 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.  | 3.4 | 145       |
| 14 | Dynamic Contrast-Enhanced Magnetic Resonance Imaging in Oncology. <i>Topics in Magnetic Resonance Imaging</i> , 2001, 12, 301-308.   | 1.2 | 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. | 9.9 | 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.   | 3.0 | 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.   | 7.3 | 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.   | 4.2 | 135       |

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|----|---|-----|-----------|
| 19 | <sup>1</sup> H MR Spectroscopy in Patients with Metastatic Brain Tumors: A Multicenter Study. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 818-826.  | 3.0 | 120       |
| 20 | Quantitative magnetic resonance imaging in geriatric depression and primary degenerative dementia. <i>Journal of Affective Disorders</i> , 1997, 42, 69-83.   | 4.1 | 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.   | 6.1 | 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.   | 3.4 | 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.  | 1.1 | 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. | 2.8 | 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.   | 3.4 | 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.  | 6.2 | 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.  | 7.3 | 90        |
| 29 | Cerebral Gliomas and Metastases: Assessment with Contrast-enhanced Fast Fluid-attenuated Inversion-Recovery MR Imaging. <i>Radiology</i> , 1999, 210, 551-557.  | 7.3 | 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.  | 1.4 | 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.   | 7.3 | 83        |
| 32 | Performance evaluation of the next generation solid-state digital photon counting PET/CT system. <i>EJNMMI Research</i> , 2018, 8, 97.  | 2.5 | 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.                                     | 3.4 | 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.                      | 3.4 | 82        |
| 35 | Dynamic Contrast-Enhanced MRI of Malignant Pleural Mesothelioma. <i>Chest</i> , 2006, 129, 1570-1576.   | 0.8 | 78        |
| 36 | Time-of-Flight Magnetic Resonance Angiography at 7 Tesla. <i>Investigative Radiology</i> , 2008, 43, 568-573.   | 6.2 | 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.  | 4.2 | 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.  | 7.0 | 75        |
| 39 | Classification of signal-time curves from dynamic MR mammography by neural networks. <i>Magnetic Resonance Imaging</i> , 2001, 19, 51-57.   | 1.8 | 74        |
| 40 | Prospective Tractography-Based Targeting for Improved Safety of Focused Ultrasound Thalamotomy. <i>Neurosurgery</i> , 2019, 84, 160-168.  | 1.1 | 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.  | 2.2 | 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.   | 1.8 | 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.   | 1.8 | 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.  | 2.2 | 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.  | 2.5 | 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. | 6.2 | 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.   | 1.4 | 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.   | 3.4 | 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.  | 7.3 | 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.  | 1.8 | 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.   | 1.5 | 58        |
| 52 | Theranostic Imaging of Yttrium-90. <i>BioMed Research International</i> , 2015, 2015, 1-11.   | 1.9 | 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.   | 0.8 | 58        |
| 54 | 7 Tesla MR imaging of the human eye in vivo. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 924-932.  | 3.4 | 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.  | 1.2 | 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.    | 0.9 | 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.                                    | 4.1 | 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.                                     | 1.8 | 54        |
| 59 | Functional magnetic resonance imaging in oncology for diagnosis and therapy monitoring. Molecular Cancer Therapeutics, 2003, 2, 419-26.   | 4.1 | 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.  | 1.8 | 48        |
| 61 | Pharmacokinetic MRI for assessment of malignant glioma response to stereotactic radiotherapy: Initial results. Journal of Magnetic Resonance Imaging, 1998, 8, 783-788.   | 3.4 | 47        |
| 62 | Deep Brain Stimulation of Frontal Lobe Networks to Treat Alzheimer’s Disease. Journal of Alzheimer’s Disease, 2018, 62, 621-633.  | 2.6 | 47        |
| 63 | Gadobenate Dimeglumine-Enhanced MR Angiography of the Abdominal Aorta and Renal Arteries. American Journal of Roentgenology, 2002, 179, 1573-1582.  | 2.2 | 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.   | 0.6 | 45        |
| 65 | Comparison of pharmacokinetic MRI and [18F] fluorodeoxyglucose PET in the diagnosis of breast cancer: initial experience. European Radiology, 2001, 11, 2058-2070.  | 4.5 | 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. | 7.1 | 45        |
| 67 | Arterial-Phase Three-Dimensional Gadolinium Magnetic Resonance Angiography of the Renal Arteries. Investigative Radiology, 1998, 33, 506-514.   | 6.2 | 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.                         | 2.5 | 44        |
| 69 | An Endovascular Canine Middle Cerebral Artery Occlusion Model for the Study of Leptomeningeal Collateral Recruitment. Investigative Radiology, 2011, 46, 34-40.   | 6.2 | 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.  | 1.8 | 44        |
| 71 | NCTN Assessment on Current Applications of Radiomics in Oncology. International Journal of Radiation Oncology Biology Physics, 2019, 104, 302-315.  | 0.8 | 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.       | 3.4 | 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. | 1.6 | 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.   | 1.9 | 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.   | 1.8 | 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.  | 1.9 | 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.   | 0.6 | 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.  | 2.0 | 38        |
| 79 | Improved Function After Deep Brain Stimulation for Chronic, Severe Traumatic Brain Injury. <i>Neurosurgery</i> , 2016, 79, 204-211.  | 1.1 | 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.              | 0.9 | 37        |
| 81 | Three-region MRI-based whole-body attenuation correction for automated PET reconstruction. <i>Nuclear Medicine and Biology</i> , 2010, 37, 227-235.  | 0.6 | 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.  | 1.8 | 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.   | 6.4 | 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.   | 3.0 | 35        |
| 85 | Postoperative fluid-attenuated inversion recovery MR imaging of cerebral gliomas: initial results. <i>European Radiology</i> , 2001, 11, 2004-2010.  | 4.5 | 34        |
| 86 | RF-related heating assessment of extracranial neurosurgical implants at 7T. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1029-1034.   | 1.8 | 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.  | 2.3 | 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.   | 1.8 | 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.   | 0.4 | 30        |
| 90 | Abdominal Aortic Aneurysm. <i>Investigative Radiology</i> , 1999, 34, 648.   | 6.2 | 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.         | 1.6 | 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. | 2.4 | 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.   | 0.8 | 29        |
| 94  | Pseudohypocalcemia with MR Imaging Contrast Agents: A Cautionary Tale. <i>Radiology</i> , 2003, 227, 627-628.  | 7.3 | 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.  | 1.8 | 27        |
| 96  | 3D MPRAGE evaluation of lesions in the posterior cranial fossa. <i>Magnetic Resonance Imaging</i> , 1994, 12, 553-558.   | 1.8 | 27        |
| 97  | Off-label use and reimbursement of contrast media in MR. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 489-495.   | 3.4 | 27        |
| 98  | Functional magnetic resonance imaging in a stereotactic setup. <i>Magnetic Resonance Imaging</i> , 1996, 14, 1007-1012.  | 1.8 | 26        |
| 99  | Interleaved gradient echo planar (IGEP) and phase contrast CINE-PC flow measurements in the renal artery. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 889-895.   | 3.4 | 26        |
| 100 | Sparse Detector Configuration in SiPM Digital Photon Counting PET: a Feasibility Study. <i>Molecular Imaging and Biology</i> , 2019, 21, 447-453.  | 2.6 | 26        |
| 101 | Combined Assessment of Obstructive Sleep Apnea Syndrome with Dynamic MRI and Parallel EEG Registration. <i>Investigative Radiology</i> , 2000, 35, 267-276.  | 6.2 | 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.  | 6.2 | 25        |
| 103 | Future vision for the quality assurance of oncology clinical trials. <i>Frontiers in Oncology</i> , 2013, 3, 31.   | 2.8 | 24        |
| 104 | Magnetic resonance imaging of the canine brain at 3 and 7 T. <i>Veterinary Radiology and Ultrasound</i> , 2011, 52, 25-32.   | 0.9 | 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.                        | 3.0 | 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.   | 1.8 | 22        |
| 107 | Gadobenate Dimeglumine-Enhanced Magnetic Resonance Angiography of the Pelvic Arteries. <i>Investigative Radiology</i> , 2003, 38, 504-515.   | 6.2 | 22        |
| 108 | Classification of Signal-Time Curves Obtained by Dynamic Magnetic Resonance Mammography. <i>Investigative Radiology</i> , 2005, 40, 442-447.   | 6.2 | 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.   | 1.2 | 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.   | 2.0 | 22        |
| 111 | A comparison of magnetization prepared 3D gradientecho (MP-RAGE) sequences for imaging of intracranial lesions. Magnetic Resonance Imaging, 1996, 14, 329-335.   | 1.8 | 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. | 1.9 | 20        |
| 113 | Detecting cortical lesions in multiple sclerosis at 7 T using white matter signal attenuation. Magnetic Resonance Imaging, 2012, 30, 907-915.  | 1.8 | 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.  | 3.5 | 20        |
| 115 | Arteriovenous Malformations. Investigative Radiology, 2000, 35, 689-694.   | 6.2 | 19        |
| 116 | Contrast-Enhanced Magnetic Resonance Angiography: Technical Considerations for Optimized Clinical Implementation. Topics in Magnetic Resonance Imaging, 2001, 12, 283-299.   | 1.2 | 19        |
| 117 | Multiphase Magnetic Resonance Angiography of the Abdominal and Pelvic Arteries. Investigative Radiology, 2002, 37, 20-28.  | 6.2 | 19        |
| 118 | Special Techniques for Imaging Blood Flow to Tumors. Cancer Journal (Sudbury, Mass ), 2002, 8, 109-118.  | 2.0 | 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.   | 2.8 | 19        |
| 120 | Colorectal Liver Metastases: Contrast Agent Diffusion Coefficient for Quantification of Contrast Enhancement Heterogeneity at MR Imaging. Radiology, 2008, 248, 901-909.   | 7.3 | 19        |
| 121 | Assessing Prostate Volume by Magnetic Resonance Imaging. Investigative Radiology, 2005, 40, 243-248.   | 6.2 | 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.  | 0.6 | 18        |
| 123 | Improving Bladder Cancer Imaging Using 3-T Functional Dynamic Contrast-Enhanced Magnetic Resonance Imaging. Investigative Radiology, 2014, 49, 390-395.  | 6.2 | 18        |
| 124 | MRI of Capillary Hemangioma of the Testis. Journal of Computer Assisted Tomography, 1997, 21, 402-404.   | 0.9 | 18        |
| 125 | Serial MR imaging of intracranial metastases after radiosurgery. Magnetic Resonance Imaging, 1997, 15, 1121-1132.  | 1.8 | 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.   | 0.8 | 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.   | 1.8  | 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.         | 1.9  | 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.   | 0.8  | 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.  | 1.8  | 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.  | 2.5  | 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. | 1.6  | 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.  | 3.4  | 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.  | 1.8  | 15        |
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