

Bogusław Tomanek

List of Publications by Year in descending order

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Version: 2024-02-01

136
papers

3,934
citations

117453

34
h-index

143772

57
g-index

141
all docs

141
docs citations

141
times ranked

4998
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | High-field magnetic resonance imaging: Challenges, advantages, and opportunities for novel contrast agents. <i>Chemical Physics Reviews</i> , 2022, 3, . | 2.6 | 6 |
| 2 | A Short and Light, Sparse Dipolar Halbach Magnet for MRI. <i>IEEE Access</i> , 2021, 9, 95294-95303. | 2.6 | 11 |
| 3 | Colloidally Stable Monodisperse Fe Nanoparticles as T_2 Contrast Agents for High-Field Clinical and Preclinical Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2021, 4, 1235-1242. | 2.4 | 14 |
| 4 | Target-Specific Magnetic Resonance Imaging of Human Prostate Adenocarcinoma Using NaDyF ₄ @NaGdF ₄ Core-Shell Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24345-24355. | 4.0 | 6 |
| 5 | Simple compensation method for improved half-pulse excitation profile with rephasing gradient. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1796-1805. | 1.9 | 2 |
| 6 | A high duty-cycle, multi-channel, power amplifier for high-resolution radiofrequency encoded magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 679-692. | 1.1 | 3 |
| 7 | Bifunctional Pyrrolidin-2-one Terminated Manganese Oxide Nanoparticles for Combined Magnetic Resonance and Fluorescence Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13069-13078. | 4.0 | 13 |
| 8 | Shape-controlled MnO nanoparticles as T_1 MRI contrast agents. <i>AIP Advances</i> , 2019, 9, . | 0.6 | 6 |
| 9 | LyP-1 Conjugated Nanoparticles for Magnetic Resonance Imaging of Triple Negative Breast Cancer. <i>Molecular Imaging and Biology</i> , 2018, 20, 428-435. | 1.3 | 9 |
| 10 | Challenges in developing a magnetic resonance-compatible haptic hand-controller for neurosurgical training. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 1148-1167. | 1.0 | 5 |
| 11 | Influence of k-space trajectory corrections on proton density mapping with ultrashort echo time imaging: Application for imaging of short T ₂ components in white matter. <i>Magnetic Resonance Imaging</i> , 2018, 51, 87-95. | 1.0 | 3 |
| 12 | Validation of Inner, Second, and Outer Sphere Contributions to T ₁ and T ₂ Relaxation in Gd ³⁺ -Based Nanoparticles Using Eu ³⁺ Lifetime Decay as a Probe. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11557-11569. | 1.5 | 19 |
| 13 | MR imaging of tissue near aneurysm clips using short- and zero time MR sequences. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 130, 398-403. | 2.5 | 3 |
| 14 | Design of a high power PIN-diode controlled switchable RF transmit array for TRASE RF imaging. <i>Concepts in Magnetic Resonance Part B</i> , 2018, 48B, . | 0.3 | 8 |
| 15 | Synthesis, characterization, and evaluation of PEGylated first-row transition metal ferrite nanoparticles as T_2 contrast agents for high-field MRI. <i>RSC Advances</i> , 2017, 7, 38125-38134. | 1.7 | 41 |
| 16 | K-space trajectory mapping and its application for ultrashort Echo time imaging. <i>Magnetic Resonance Imaging</i> , 2017, 36, 68-76. | 1.0 | 14 |
| 17 | K-space trajectory calibration for improved precision of quantitative ultrashort echo time imaging. , 2017, , . | | 0 |
| 18 | The synthesis and application of vitamins in nanoemulsion delivery systems. , 2016, , 519-555. | | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Site-specific conjugation of the quencher on peptide's N-terminal for the synthesis of a targeted non-spreading activatable optical probe. <i>Journal of Peptide Science</i> , 2016, 22, 415-420. | 0.8 | 1 |
| 20 | Design and Regulation of NaHoF ₄ and NaDyF ₄ Nanoparticles for High-Field Magnetic Resonance Imaging. <i>Chemistry of Materials</i> , 2016, 28, 3060-3072. | 3.2 | 65 |
| 21 | Maltol-Functionalized Fe ₃ O ₄ Nanoparticles as <i>in vivo</i> T ₂ Magnetic Resonance Imaging Contrast Agents. <i>ChemistrySelect</i> , 2016, 1, 1602-1606. | 0.7 | 10 |
| 22 | An RF breast coil for 0.2T MRI. <i>Concepts in Magnetic Resonance Part B</i> , 2016, 46, 3-7. | 0.3 | 7 |
| 23 | A quadrature volume RF coil for vertical B ₀ field open MRI systems. <i>Concepts in Magnetic Resonance Part B</i> , 2016, 46B, 118-122. | 0.3 | 2 |
| 24 | HyperCEST detection of cucurbit[6]uril in whole blood using an ultrashort saturation Pre-pulse train. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 285-290. | 0.4 | 13 |
| 25 | MRI-based assessment of liver perfusion and hepatocyte injury in the murine model of acute hepatitis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 789-798. | 1.1 | 7 |
| 26 | Evaluation of blood-brain barrier-stealth nanocomposites for in situ glioblastoma theranostics applications. <i>Nanoscale</i> , 2016, 8, 7866-7870. | 2.8 | 26 |
| 27 | Hyperpolarized and Inert Gas MRI: The Future. <i>Molecular Imaging and Biology</i> , 2015, 17, 149-162. | 1.3 | 44 |
| 28 | A review of new approaches in Her-2 targeting and 1H MRI application. <i>Medicinal Chemistry Research</i> , 2015, 24, 1365-1368. | 1.1 | 5 |
| 29 | Lactate Storm Marks Cerebral Metabolism following Brain Trauma. <i>Journal of Biological Chemistry</i> , 2014, 289, 20200-20208. | 1.6 | 44 |
| 30 | Symmetry of the fornix using diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 929-936. | 1.9 | 6 |
| 31 | White and gray matter contrast enhancement in MR images of the mouse brain in vivo using IR UTE with a cryo-coil at 9.4T. <i>Journal of Neuroscience Methods</i> , 2014, 232, 30-35. | 1.3 | 5 |
| 32 | Molecular susceptibility weighted imaging of the glioma rim in a mouse model. <i>Journal of Neuroscience Methods</i> , 2014, 226, 132-138. | 1.3 | 19 |
| 33 | Magnetic Resonance Microscopy for Assessment of Morphological Changes in Hydrating Hydroxypropylmethylcellulose Matrix Tablets In Situ—Is it Possible to Detect Phenomena Related to Drug Dissolution Within the Hydrated Matrices?. <i>Pharmaceutical Research</i> , 2014, 31, 2383-2392. | 1.7 | 21 |
| 34 | Tractography of Meyer's Loop asymmetries. <i>Epilepsy Research</i> , 2014, 108, 872-882. | 0.8 | 27 |
| 35 | Comparison of T ₂ and T ₂ *-weighted MR molecular imaging of a mouse model of glioma. <i>BMC Medical Imaging</i> , 2013, 13, 20. | 1.4 | 16 |
| 36 | Optimal dye-quencher pairs for the design of an activatable nanoprobe for optical imaging. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1824. | 1.6 | 18 |

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|----|---|-----|-----------|
| 37 | B1 transmit phase gradient coil for single-axis TRASE RF encoding. <i>Magnetic Resonance Imaging</i> , 2013, 31, 891-899. | 1.0 | 15 |
| 38 | Detection of 19F-labeled biopharmaceuticals in cell cultures with magnetic resonance. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1056-1064. | 6.6 | 16 |
| 39 | High-resolution MRI encoding using radiofrequency phase gradients. <i>NMR in Biomedicine</i> , 2013, 26, 1602-1607. | 1.6 | 16 |
| 40 | Default Mode Network Functional Connectivity Altered in Failed Back Surgery Syndrome. <i>Journal of Pain</i> , 2013, 14, 483-491. | 0.7 | 37 |
| 41 | Non-invasive Determination of Functional and Structural Properties of Materials. <i>Special Publication - Royal Society of Chemistry</i> , 2013, , 103-111. | 0.0 | 0 |
| 42 | A pixel is an artifact: On the necessity of zero-filling in fourier imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2013, 42A, 32-44. | 0.2 | 11 |
| 43 | Functional MRI of the thoracic spinal cord during vibration sensation. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 981-985. | 1.9 | 11 |
| 44 | Collective Correlations of Brodmann Areas fMRI Study with RMT-Denoising. <i>Acta Physica Polonica B</i> , 2013, 44, 1243. | 0.3 | 2 |
| 45 | Applications of Nanoparticles for MRI Cancer Diagnosis and Therapy. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-12. | 1.5 | 93 |
| 46 | Evaluation of brain tumor vessels specific contrast agents for glioblastoma imaging. <i>Neuro-Oncology</i> , 2012, 14, 53-63. | 0.6 | 66 |
| 47 | Brain Tumor Surgery With 3-Dimensional Surface Navigation. <i>Operative Neurosurgery</i> , 2012, 71, ons286-ons295. | 0.4 | 30 |
| 48 | Compact MRI for Astronaut Physiological Research and Medical Diagnosis. , 2012, , . | | 2 |
| 49 | Cation Exchange: A Facile Method To Make NaYF ₄ :Yb,Tm-NaGdF ₄ Core-Shell Nanoparticles with a Thin, Tunable, and Uniform Shell. <i>Chemistry of Materials</i> , 2012, 24, 1297-1305. | 3.2 | 151 |
| 50 | Detection of trastuzumab efficacy using 1H MRI ex vivo of breast cancer cells. <i>Medicinal Chemistry Research</i> , 2012, 21, 2316-2319. | 1.1 | 4 |
| 51 | Magnetic Resonance Microscopy for Assessment of Morphological Changes in Hydrating Hydroxypropylmethyl Cellulose Matrix Tablets In Situ. <i>Pharmaceutical Research</i> , 2012, 29, 3420-3433. | 1.7 | 22 |
| 52 | NaDyF ₄ Nanoparticles as T ₂ Contrast Agents for Ultrahigh Field Magnetic Resonance Imaging. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 524-529. | 2.1 | 144 |
| 53 | In Vivo Open-Bore MRI Reveals Region- and Sub-Arc-Specific Lengthening of the Unloaded Human Posterior Cruciate Ligament. <i>PLoS ONE</i> , 2012, 7, e48714. | 1.1 | 13 |
| 54 | Strong 5-aminolevulinic acid-induced fluorescence is a novel intraoperative marker for representative tissue samples in stereotactic brain tumor biopsies. <i>Neurosurgical Review</i> , 2012, 35, 381-391. | 1.2 | 86 |

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|----|--|-----|-----------|
| 55 | A comparison of MR imaging of a mouse model of glioma at 0.2 T and 9.4 T. <i>Journal of Neuroscience Methods</i> , 2012, 204, 118-123. | 1.3 | 5 |
| 56 | A volume microstrip RF coil for MRI microscopy. <i>Magnetic Resonance Imaging</i> , 2012, 30, 70-77. | 1.0 | 21 |
| 57 | The effect of coating of Fe ₃ O ₄ /silica core/shell nanoparticles on T ₂ relaxation time at 9.4 T. <i>EPJ Applied Physics</i> , 2011, 55, 10401. | 0.3 | 3 |
| 58 | The effect of coating of Fe ₃ O ₄ /silica core/shell nanoparticles on T ₂ relaxation time at 9.4 T. <i>EPJ Applied Physics</i> , 2011, 56, 11401. | 0.3 | 0 |
| 59 | Magnetic resonance assays of haloperidol in human serum albumin. <i>Medicinal Chemistry Research</i> , 2011, 20, 62-66. | 1.1 | 3 |
| 60 | Quantitative assessment of cardiac output and left ventricular function by noninvasive phase-contrast and cine MRI: Validation study with invasive pressure-volume loop analysis in a swine model. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 203-210. | 1.9 | 13 |
| 61 | Convertible pneumatic actuator for magnetic resonance elastography of the brain. <i>Magnetic Resonance Imaging</i> , 2011, 29, 147-152. | 1.0 | 28 |
| 62 | Improvements in MR imaging of solids through gradient waveform optimization. <i>Canadian Journal of Chemistry</i> , 2011, 89, 729-736. | 0.6 | 0 |
| 63 | Corrigendum to "Alternate antegrade/retrograde perfusion: an effective technique to preserve hypertrophied hearts during valvular surgery" [Eur. J. Cardiothorac. Surg. 35 (2009) 69-76]. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 39, 802. | 0.6 | 0 |
| 64 | Alterations in Glycopeptides Associated with Herceptin Treatment of Human Breast Carcinoma MCF-7 and T-Lymphoblastoid Cells. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.007765. | 2.5 | 13 |
| 65 | Monitoring of 3D breast carcinoma cell culture using proton magnetic resonance imaging. <i>Medicinal Chemistry Research</i> , 2010, 19, 1153-1161. | 1.1 | 3 |
| 66 | Combined treatment of human MCF-7 breast carcinoma with antibody, cationic lipid and hyaluronic acid using ex vivo assays. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 192-201. | 1.4 | 16 |
| 67 | Detection of fluorine labeled Herceptin using cellular ¹⁹ F MRI ex vivo. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 894-900. | 1.4 | 11 |
| 68 | Human cervical spinal cord funiculi: Investigation with magnetic resonance diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 829-837. | 1.9 | 30 |
| 69 | Bloch simulations with intra-voxel spin dephasing. <i>Journal of Magnetic Resonance</i> , 2010, 203, 44-51. | 1.2 | 18 |
| 70 | ¹⁹ F MRI of 3D CEM cells to study the effects of tocopherols and tocotrienols. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 53, 599-602. | 1.4 | 8 |
| 71 | Detection of T ₂ changes in an early mouse brain tumor. <i>Magnetic Resonance Imaging</i> , 2010, 28, 784-789. | 1.0 | 12 |
| 72 | Derivatives of thicolchicine and its applications to CEM cells treatment using ¹⁹ F Magnetic Resonance ex vivo. <i>Bioorganic Chemistry</i> , 2010, 38, 1-6. | 2.0 | 15 |

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|----|---|-----|-----------|
| 73 | Kinetic analysis of novel mono- and multivalent VHH-fragments and their application for molecular imaging of brain tumours. <i>British Journal of Pharmacology</i> , 2010, 160, 1016-1028. | 2.7 | 72 |
| 74 | N-Glycomic Changes in Human Breast Carcinoma MCF-7 and T-Lymphoblastoid Cells After Treatment with Herceptin and Herceptin/Lipoplex. <i>Journal of Proteome Research</i> , 2010, 9, 1533-1540. | 1.8 | 42 |
| 75 | Characterization of food stuffs using Magnetic Resonance Elastography. <i>Food Research International</i> , 2010, 43, 2087-2092. | 2.9 | 13 |
| 76 | Ex vivo assays of CEM cells cultured and treated in the three dimensional cultures. <i>Biomedicine and Pharmacotherapy</i> , 2010, 64, 390-395. | 2.5 | 11 |
| 77 | Application of ¹⁹ F magnetic resonance to study the efficacy of fluorine labeled drugs in the three-dimensional cultured breast cancer cells. <i>Archives of Biochemistry and Biophysics</i> , 2010, 493, 234-241. | 1.4 | 13 |
| 78 | The integration of real and virtual magnetic resonance imaging experiments in a single instrument. <i>Review of Scientific Instruments</i> , 2009, 80, 093709. | 0.6 | 14 |
| 79 | Alternate antegrade/retrograde perfusion: an effective technique to preserve hypertrophied hearts during valvular surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 35, 69-76. | 0.6 | 6 |
| 80 | Adipose-derived stem cells are an effective cell candidate for treatment of heart failure: an MR imaging study of rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1020-H1031. | 1.5 | 116 |
| 81 | Magnetic resonance molecular imaging of post-stroke neuroinflammation with a P-selectin targeted iron oxide nanoparticle. <i>Contrast Media and Molecular Imaging</i> , 2009, 4, 305-311. | 0.4 | 45 |
| 82 | Superparamagnetic iron oxide does not affect the viability and function of adipose-derived stem cells, and superparamagnetic iron oxide-enhanced magnetic resonance imaging identifies viable cells. <i>Magnetic Resonance Imaging</i> , 2009, 27, 108-119. | 1.0 | 45 |
| 83 | An optimized solenoidal head radiofrequency coil for low-field magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1302-1308. | 1.0 | 13 |
| 84 | Low-temperature first-order reversal curves and interaction effects on assemblies of iron oxide nanoparticles. <i>Physica B: Condensed Matter</i> , 2009, 404, 3666-3670. | 1.3 | 1 |
| 85 | The efficacy of new colchicine derivatives and viability of the T-Lymphoblastoid cells in three-dimensional culture using ¹⁹ F MRI and HPLC-UV ex vivo. <i>Bioorganic Chemistry</i> , 2009, 37, 193-201. | 2.0 | 10 |
| 86 | The application of ¹⁹ F magnetic resonance ex vivo imaging of three-dimensional cultured breast cancer cells to study the effect of α -tocopherol. <i>Analytical Biochemistry</i> , 2009, 387, 315-317. | 1.1 | 17 |
| 87 | Single-point imaging with a variable phase encoding interval. <i>Magnetic Resonance Imaging</i> , 2008, 26, 109-116. | 1.0 | 19 |
| 88 | A multifrequency narrow band-pass filter. <i>Concepts in Magnetic Resonance Part B</i> , 2008, 33B, 145-151. | 0.3 | 0 |
| 89 | Identification of chronic myocardial infarction with extracellular or intravascular contrast agents in magnetic resonance imaging. <i>Acta Pharmacologica Sinica</i> , 2008, 29, 65-73. | 2.8 | 9 |
| 90 | Differential Progression of Magnetization Transfer Imaging Changes Depending on Severity of Cerebral Hypoxic-Ischemic Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1613-1623. | 2.4 | 5 |

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| 91 | AN INTEGRATED RADIO FREQUENCY PROBE AND CRANIAL CLAMP FOR INTRAOPERATIVE MAGNETIC RESONANCE IMAGING. <i>Operative Neurosurgery</i> , 2007, 60, E179-E180. | 0.4 | 1 |
| 92 | Does Normothermic Normokalemic Simultaneous Antegrade/Retrograde Perfusion Improve Myocardial Oxygenation and Energy Metabolism for Hypertrophied Hearts?. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1751-1758. | 0.7 | 20 |
| 93 | Functional magnetic resonance imaging within the rat spinal cord following peripheral nerve injury. <i>NeuroImage</i> , 2007, 38, 669-676. | 2.1 | 14 |
| 94 | Simple phase method for measurement of magnetic field gradient waveforms. <i>Magnetic Resonance Imaging</i> , 2007, 25, 1272-1276. | 1.0 | 25 |
| 95 | Blood-Oxygen-Level-Dependent Magnetic Resonance Signal and Cerebral Oxygenation Responses to Brain Activation are Enhanced by Concurrent Transient Hypertension in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1280-1289. | 2.4 | 32 |
| 96 | MR imaging of teeth using a silent single point imaging technique. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 763-767. | 1.1 | 25 |
| 97 | Transient blood pressure changes affect the functional magnetic resonance imaging detection of cerebral activation. <i>NeuroImage</i> , 2006, 31, 1-11. | 2.1 | 85 |
| 98 | Simultaneous functional magnetic resonance imaging in the rat spinal cord and brain. <i>Experimental Neurology</i> , 2006, 197, 458-464. | 2.0 | 23 |
| 99 | The aging hippocampus: A multi-level analysis in the rat. <i>Neuroscience</i> , 2006, 139, 1173-1185. | 1.1 | 188 |
| 100 | Keeping the heart empty and beating improves preservation of hypertrophied hearts for valve surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 1314-1320. | 0.4 | 33 |
| 101 | Evolution of Magnetic Resonance Imaging Changes Associated with Cerebral Hypoxia-Ischemia and a Relatively Selective White Matter Injury in Neonatal Rats. <i>Pediatric Research</i> , 2006, 59, 554-559. | 1.1 | 35 |
| 102 | Specificity of choline metabolites for in vivo diagnosis of breast cancer using 1H MRS at 1.5T. <i>European Radiology</i> , 2005, 15, 1037-1043. | 2.3 | 104 |
| 103 | Double-frequency birdcage volume coils for 4.7T and 7T. <i>Concepts in Magnetic Resonance Part B</i> , 2005, 26B, 16-22. | 0.3 | 18 |
| 104 | Transient increases in blood pressure affect sensory-motor activation following stroke using functional MR imaging in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S402-S402. | 2.4 | 0 |
| 105 | Development of Acute Edema Following Cerebral Hypoxia-Ischemia in Neonatal Compared with Juvenile Rats Using Magnetic Resonance Imaging. <i>Pediatric Research</i> , 2004, 55, 101-106. | 1.1 | 24 |
| 106 | Pilot study of dermal and subcutaneous fat structures by MRI in individuals who differ in gender, BMI, and cellulite grading. <i>Skin Research and Technology</i> , 2004, 10, 161-168. | 0.8 | 143 |
| 107 | Correspondence of AQP4 expression and hypoxic-ischaemic brain oedema monitored by magnetic resonance imaging in the immature and juvenile rat. <i>European Journal of Neuroscience</i> , 2004, 19, 2261-2269. | 1.2 | 85 |
| 108 | Noninvasive assessment of the injured human spinal cord by means of functional magnetic resonance imaging. <i>Spinal Cord</i> , 2004, 42, 59-66. | 0.9 | 93 |

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|-----|---|-----|-----------|
| 109 | Mapping myocardial viability using interleaved T1â€“T2*weighted imaging. International Journal of Cardiovascular Imaging, 2004, 20, 135-143. | 0.7 | 3 |
| 110 | High-resolution imaging at 3T and 7T with multiring local volume coils. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 16, 167-173. | 1.1 | 10 |
| 111 | Cerebral blood flow response to a hypoxic-ischemic insult differs in neonatal and juvenile rats. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 17, 117-124. | 1.1 | 18 |
| 112 | MR molecular imaging of early endothelial activation in focal ischemia. Annals of Neurology, 2004, 56, 116-120. | 2.8 | 86 |
| 113 | Single point imaging with suppressed sound pressure levels through gradient-shape adjustment. Journal of Magnetic Resonance, 2004, 170, 177-183. | 1.2 | 6 |
| 114 | Magnetic Resonance Imaging of Seeds by Use of Single Point Acquisition. Journal of Agricultural and Food Chemistry, 2004, 52, 4979-4983. | 2.4 | 7 |
| 115 | Functional magnetic resonance imaging of the human brain and spinal cord by means of signal enhancement by extravascular protons. Concepts in Magnetic Resonance, 2003, 16A, 28-34. | 1.3 | 8 |
| 116 | Doubly tunable double ring surface coil. Concepts in Magnetic Resonance, 2003, 17B, 11-16. | 1.3 | 8 |
| 117 | Functional magnetic resonance imaging of the human brain based on signal enhancement by extravascular protons (SEEP fMRI). Magnetic Resonance in Medicine, 2003, 49, 433-439. | 1.9 | 52 |
| 118 | An NMR technique for measurement of magnetic field gradient waveforms. Journal of Magnetic Resonance, 2003, 162, 189-197. | 1.2 | 9 |
| 119 | Pain modulates cerebral activity during cognitive performance. NeuroImage, 2003, 19, 655-664. | 2.1 | 40 |
| 120 | Intraoperative Assessment of Aneurysm Clipping Using Magnetic Resonance Angiography and Diffusion-weighted Imaging: Technical Case Report. Neurosurgery, 2002, 50, 893-898. | 0.6 | 46 |
| 121 | Mapping of Neuronal Function in the Healthy and Injured Human Spinal Cord with Spinal fMRI. NeuroImage, 2002, 17, 1854-1860. | 2.1 | 88 |
| 122 | Extravascular proton-density changes as a non-BOLD component of contrast in fMRI of the human spinal cord. Magnetic Resonance in Medicine, 2002, 48, 122-127. | 1.9 | 81 |
| 123 | Use of mutually inductive coupling in probe design. Concepts in Magnetic Resonance, 2002, 15, 262-285. | 1.3 | 67 |
| 124 | Functional magnetic resonance imaging of the human cervical spinal cord with stimulation of different sensory dermatomes. Magnetic Resonance Imaging, 2002, 20, 1-6. | 1.0 | 62 |
| 125 | Functional magnetic resonance imaging of tonic pain and vasopressor effects in rats. Magnetic Resonance Imaging, 2002, 20, 707-712. | 1.0 | 59 |
| 126 | Spin-echo versus gradient-echo fMRI with short echo times. Magnetic Resonance Imaging, 2001, 19, 827-831. | 1.0 | 51 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Characterization of contrast changes in functional MRI of the human spinal cord at 1.5 T. Magnetic Resonance Imaging, 2001, 19, 833-838. | 1.0 | 58 |
| 128 | The engineering of an interventional MRI with a movable 1.5 Tesla magnet. Journal of Magnetic Resonance Imaging, 2001, 13, 78-86. | 1.9 | 33 |
| 129 | <title>Simultaneous near-IR spectroscopy and magnetic resonance imaging to assess cerebral oxygenation and brain water during hypoxia-ischemia in two-week-old rats</title>. , 2001, , . | | 0 |
| 130 | Probe with chest shielding for improved breast MRI. Magnetic Resonance in Medicine, 2000, 43, 917-920. | 1.9 | 17 |
| 131 | Analysis of Ovariectomy and Estrogen Effects on Body Composition in Rats by X-Ray and Magnetic Resonance Imaging Techniques. Journal of Bone and Mineral Research, 2000, 15, 138-146. | 3.1 | 27 |
| 132 | MR spectroscopy using multi-ring surface coils. Magnetic Resonance in Medicine, 1999, 42, 655-664. | 1.9 | 13 |
| 133 | A mobile high-field magnetic resonance system for neurosurgery. Journal of Neurosurgery, 1999, 91, 804-813. | 0.9 | 234 |
| 134 | Dual surface coil with high-B1 homogeneity for deep organ MR imaging. Magnetic Resonance Imaging, 1997, 15, 1199-1204. | 1.0 | 18 |
| 135 | Magnetic resonance microscopy of internal structure of drone and queen honey bees. Journal of Apicultural Research, 1996, 35, 3-9. | 0.7 | 10 |
| 136 | Double EPI sequence with 180° RF pulses. Magnetic Resonance in Medicine, 1990, 16, 161-165. | 1.9 | 4 |