

# Michael Garwood

## List of Publications by Year in descending order

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140  
papers

9,577  
citations

41344

49  
h-index

40979

93  
g-index

145  
all docs

145  
docs citations

145  
times ranked

8540  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Return of the Frequency Sweep: Designing Adiabatic Pulses for Contemporary NMR. <i>Journal of Magnetic Resonance</i> , 2001, 153, 155-177.	2.1	815
2	Pushing spatial and temporal resolution for functional and diffusion MRI in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 80-104.	4.2	769
3	Adiabatic pulses. <i>NMR in Biomedicine</i> , 1997, 10, 423-434.	2.8	326
4	In vivo quantification of choline compounds in the breast with $^1\text{H}$ MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1134-1143.	3.0	317
5	Fast and quiet MRI using a swept radiofrequency. <i>Journal of Magnetic Resonance</i> , 2006, 181, 342-349.	2.1	305
6	Neoadjuvant Chemotherapy of Locally Advanced Breast Cancer: Predicting Response with in Vivo $^1\text{H}$ MR Spectroscopy—A Pilot Study at 4 T. <i>Radiology</i> , 2004, 233, 424-431.	7.3	304
7	9.4T human MRI: Preliminary results. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1274-1282.	3.0	278
8	MR Imaging Contrast Enhancement Based on Intermolecular Zero Quantum Coherences. , 1998, 281, 247-251.		225
9	Ultrahigh field magnetic resonance imaging and spectroscopy. <i>Magnetic Resonance Imaging</i> , 2003, 21, 1263-1281.	1.8	218
10	Improved tissue cryopreservation using inductive heating of magnetic nanoparticles. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	213
11	Monitoring disease progression in transgenic mouse models of Alzheimer's disease with proton magnetic resonance spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11906-11910.	7.1	193
12	Proton $T_2$ relaxation study of water, N-acetylaspartate, and creatine in human brain using Hahn and Carr-Purcell spin echoes at 4T and 7T. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 629-633.	3.0	191
13	In vivo visualization of Alzheimer's amyloid plaques by magnetic resonance imaging in transgenic mice without a contrast agent. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1263-1271.	3.0	181
14	Resolution Improvements in in Vivo $^1\text{H}$ NMR Spectra with Increased Magnetic Field Strength. <i>Journal of Magnetic Resonance</i> , 1998, 135, 260-264.	2.1	176
15	In Vivo Magnetic Resonance Microimaging of Individual Amyloid Plaques in Alzheimer's Transgenic Mice. <i>Journal of Neuroscience</i> , 2005, 25, 10041-10048.	3.6	150
16	Dental Magnetic Resonance Imaging: Making the Invisible Visible. <i>Journal of Endodontics</i> , 2011, 37, 745-752.	3.1	143
17	Metabolite quantification and high-field MRS in breast cancer. <i>NMR in Biomedicine</i> , 2009, 22, 65-76.	2.8	137
18	Adding in Vivo Quantitative $^1\text{H}$ MR Spectroscopy to Improve Diagnostic Accuracy of Breast MR Imaging: Preliminary Results of Observer Performance Study at 4.0 T. <i>Radiology</i> , 2005, 236, 465-475.	7.3	135

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19	Zoomed Functional Imaging in the Human Brain at 7 Tesla with Simultaneous High Spatial and High Temporal Resolution. <i>NeuroImage</i> , 2002, 17, 272-286.	4.2	134
20	Assessment of brain iron and neuronal integrity in patients with Parkinson's disease using novel MRI contrasts. <i>Movement Disorders</i> , 2007, 22, 334-340.	3.9	128
21	Metabolomic Characterization of Human Rectal Adenocarcinoma with Intact Tissue Magnetic Resonance Spectroscopy. <i>Diseases of the Colon and Rectum</i> , 2009, 52, 520-525.	1.3	122
22	Localized $^1\text{H}$ NMR spectroscopy in different regions of human brain <i>in vivo</i> at 7T: $T_2$ relaxation times and concentrations of cerebral metabolites. <i>NMR in Biomedicine</i> , 2012, 25, 332-339.	2.8	117
23	Applications of Magnetic Resonance in Model Systems: Tumor Biology and Physiology. <i>Neoplasia</i> , 2000, 2, 139-151.	5.3	110
24	Imaging blood flow in brain tumors using arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 169-173.	3.0	109
25	<i>In vivo</i> $^1\text{H}$ $T_2$ measurement in the human occipital lobe at 4T and 7T by Carr-Purcell MRI: Detection of microscopic susceptibility contrast. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 742-750.	3.0	109
26	Accounting for biological aggregation in heating and imaging of magnetic nanoparticles. <i>Technology</i> , 2014, 02, 214-228.	1.4	102
27	Imaging in breast cancer: Magnetic resonance spectroscopy. <i>Breast Cancer Research</i> , 2005, 7, 149-52.	5.0	100
28	Eliminating spurious lipid sidebands in $^1\text{H}$ MRS of breast lesions. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 215-222.	3.0	97
29	Observation of resolved glucose signals in $^1\text{H}$ NMR spectra of the human brain at 4 Tesla. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 1-6.	3.0	87
30	SPIO-Enhanced Magnetic Resonance Imaging of Alzheimer's Disease Plaques in A $\beta$ PP/PS-1 Transgenic Mouse Brain. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 349-365.	2.6	86
31	RASER: A new ultrafast magnetic resonance imaging method. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 794-799.	3.0	85
32	Spectroscopic imaging and spatial localization using adiabatic pulses and applications to detect transmural metabolite distribution in the canine heart. <i>Magnetic Resonance in Medicine</i> , 1989, 10, 14-37.	3.0	81
33	$T_1$ -MRI contrast in the human brain: Modulation of the longitudinal rotating frame relaxation shutter-speed during an adiabatic RF pulse. <i>Journal of Magnetic Resonance</i> , 2006, 181, 135-147.	2.1	81
34	Transverse relaxation in the rotating frame induced by chemical exchange. <i>Journal of Magnetic Resonance</i> , 2004, 169, 293-299.	2.1	76
35	Predictable Heating and Positive MRI Contrast from a Mesoporous Silica-Coated Iron Oxide Nanoparticle. <i>Molecular Pharmaceutics</i> , 2016, 13, 2172-2183.	4.6	75
36	Magnetic Resonance Imaging of Alzheimer's Pathology in the Brains of Living Transgenic Mice: A New Tool in Alzheimer's Disease Research. <i>Neuroscientist</i> , 2007, 13, 38-48.	3.5	73

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37	Localized detection of glioma glycolysis using edited 1H MRS. <i>Magnetic Resonance in Medicine</i> , 1993, 30, 18-27.	3.0	71
38	Gapped pulses for frequency-swept MRI. <i>Journal of Magnetic Resonance</i> , 2008, 193, 267-273.	2.1	71
39	Rotating frame relaxation during adiabatic pulses vs. conventional spin lock: simulations and experimental results at 4 T. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1074-1087.	1.8	66
40	Subchronic In Vivo Effects of a High Static Magnetic Field (9.4 T) in Rats. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 122-139.	3.4	65
41	Comparison of amyloid plaque contrast generated by $T_2$ -weighted, $T_1$ -weighted, and susceptibility-weighted imaging methods in transgenic mouse models of Alzheimer's disease. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1158-1164.	3.0	63
42	SWIFT detection of SPIO-labeled stem cells grafted in the myocardium. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1154-1161.	3.0	61
43	Preparation of Scalable Silica-Coated Iron Oxide Nanoparticles for Nanowarming. <i>Advanced Science</i> , 2020, 7, 1901624.	11.2	61
44	MRI contrast from relaxation along a fictitious field (RAFF). <i>Magnetic Resonance in Medicine</i> , 2010, 64, 983-994.	3.0	59
45	Exchange-influenced $T_2$ contrast in human brain images measured with adiabatic radio frequency pulses. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 823-829.	3.0	53
46	Targeting Vascular Amyloid in Arterioles of Alzheimer Disease Transgenic Mice With Amyloid $\beta$ Protein Antibody-Coated Nanoparticles. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 653-661.	1.7	52
47	Quantifying iron oxide nanoparticles at high concentration based on longitudinal relaxation using a three-dimensional SWIFT look-locker sequence. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1982-1988.	3.0	51
48	Optical and SPION-Enhanced MR Imaging Shows that trans-Stilbene Inhibitors of NF- $\kappa$ B Concomitantly Lower Alzheimer's Disease Plaque Formation and Microglial Activation in APP/PS-1 Transgenic Mouse Brain. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 191-212.	2.6	51
49	$^{31}\text{P}$ NMR spectroscopy of the in vivo metabolism of an intracerebral glioma in the rat. <i>Magnetic Resonance in Medicine</i> , 1988, 6, 403-417.	3.0	50
50	Magnetic resonance imaging with adiabatic pulses using a single surface coil for RF transmission and signal detection. <i>Magnetic Resonance in Medicine</i> , 1989, 9, 25-34.	3.0	50
51	Asymmetric Adiabatic Pulses for NH Selection. <i>Journal of Magnetic Resonance</i> , 1999, 138, 173-177.	2.1	49
52	MR spectroscopy of breast cancer for assessing early treatment response: Results from the ACRIN 6657 MRS trial. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 290-302.	3.4	49
53	In vivo micro-MRI of intracortical neurovasculature. <i>NeuroImage</i> , 2006, 32, 62-69.	4.2	48
54	Transmural metabolite distribution in regional myocardial ischemia as studied with $^{31}\text{p}$ NMR. <i>Magnetic Resonance in Medicine</i> , 1989, 10, 108-118.	3.0	47

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55	Continuous SWIFT. <i>Journal of Magnetic Resonance</i> , 2012, 220, 26-31.	2.1	47
56	Electrodeposited Fe and Fe@Au nanowires as MRI contrast agents. <i>Chemical Communications</i> , 2016, 52, 12634-12637.	4.1	47
57	Quantitative T1 and adiabatic Carr-Purcell T2 magnetic resonance imaging of human occipital lobe at 4 T. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 14-19.	3.0	45
58	Selective Contrast Enhancement of Individual Alzheimer's Disease Amyloid Plaques Using a Polyamine and Gd-DOTA Conjugated Antibody Fragment Against Fibrillar Aβ <sub>242</sub> for Magnetic Resonance Molecular Imaging. <i>Pharmaceutical Research</i> , 2008, 25, 1861-1872.	3.5	45
59	Functional magnetic resonance imaging using RASER. <i>NeuroImage</i> , 2011, 54, 350-360.	4.2	45
60	Quantitative Assessment of Water Pools by T1p and T2p MRI in Acute Cerebral Ischemia of the Rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 206-216.	4.3	42
61	T2 and T1 Adiabatic Relaxations and Contrasts. <i>Current Analytical Chemistry</i> , 2008, 4, 8-25.	1.2	41
62	Multi-Band-SWIFT. <i>Journal of Magnetic Resonance</i> , 2015, 251, 19-25.	2.1	41
63	Vitrification and Nanowarming of Kidneys. <i>Advanced Science</i> , 2021, 8, e2101691.	11.2	41
64	Probing Slow Protein Dynamics by Adiabatic $1R$ and $2R$ NMR Experiments. <i>Journal of the American Chemical Society</i> , 2010, 132, 9979-9981.	13.7	39
65	Detection of calcifications in vivo and ex vivo after brain injury in rat using SWIFT. <i>NeuroImage</i> , 2012, 61, 761-772.	4.2	39
66	Spatially localized in vivo $1H$ magnetic resonance spectroscopy of an intracerebral rat glioma. <i>Magnetic Resonance in Medicine</i> , 1992, 23, 96-108.	3.0	38
67	On- and off-resonance T1 MRI in acute cerebral ischemia of the rat. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 172-176.	3.0	37
68	Synthesis of Intrinsically Disordered Fluorinated Peptides for Modular Design of High-Signal $^{19}F$ MRI Agents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6440-6444.	13.8	37
69	Effects of continuous localized infusion of granulocyte-macrophage colony-stimulating factor and inoculations of irradiated glioma cells on tumor regression. <i>Journal of Neurosurgery</i> , 1999, 90, 1064-1071.	1.6	36
70	Spin-echo MRI using $\pi/2$ and $\pi$ hyperbolic secant pulses. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 175-187.	3.0	36
71	Intraoral approach for imaging teeth using the transverse $B_1$ field components of an occlusally oriented loop coil. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 160-165.	3.0	36
72	MRI contrasts in high rank rotating frames. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 254-262.	3.0	36

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73	MRI rotating frame relaxation measurements for articular cartilage assessment. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1537-1543.	1.8	35
74	MR Microimaging of amyloid plaques in Alzheimer's disease transgenic mice. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 82-88.	6.4	34
75	Quantification and biodistribution of iron oxide nanoparticles in the primary clearance organs of mice using T <sub>1</sub> contrast for heating. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 702-712.	3.0	34
76	MRI relaxation in the presence of fictitious fields correlates with myelin content in normal rat brain. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 161-168.	3.0	33
77	Role of MRI for detecting micro cracks in teeth. <i>Dentomaxillofacial Radiology</i> , 2016, 45, 20160150.	2.7	32
78	High-field magnetic resonance techniques for brain research. <i>Current Opinion in Neurobiology</i> , 2003, 13, 612-619.	4.2	30
79	Relaxation dispersion in MRI induced by fictitious magnetic fields. <i>Journal of Magnetic Resonance</i> , 2011, 209, 269-276.	2.1	30
80	In Vivo <sup>31</sup> P and <sup>1</sup> H NMR studies of rat brain tumor pH and blood flow during acute hyperglycemia: Differential effects between subcutaneous and intracerebral locations. <i>Magnetic Resonance in Medicine</i> , 1989, 12, 219-234.	3.0	29
81	T <sub>1</sub> estimation for aqueous iron oxide nanoparticle suspensions using a variable flip angle SWIFT sequence. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 341-347.	3.0	29
82	Magnetization transfer and adiabatic T <sub>1</sub> ρ-MRI reveal abnormalities in normal-appearing white matter of subjects with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2014, 20, 1066-1073.	3.0	29
83	Emerging ethical issues raised by highly portable MRI research in remote and resource-limited international settings. <i>NeuroImage</i> , 2021, 238, 118210.	4.2	28
84	Transformation in Mandibular Imaging With Sweep Imaging With Fourier Transform Magnetic Resonance Imaging. <i>JAMA Otolaryngology</i> , 2011, 137, 916.	1.2	25
85	Quantitative susceptibility mapping detects abnormalities in cartilage canals in a goat model of preclinical osteochondritis dissecans. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1276-1283.	3.0	25
86	Vitrification and Rewarming of Magnetic Nanoparticle-Loaded Rat Hearts. <i>Advanced Materials Technologies</i> , 2022, 7, 2100873.	5.8	25
87	In vivo observation of lactate methyl proton magnetization transfer in rat C6 glioma. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 676-685.	3.0	24
88	Magnetic Resonance Imaging of Amyloid Plaques in Transgenic Mouse Models of Alzheimers Disease. <i>Current Medical Imaging</i> , 2011, 7, 3-7.	0.8	21
89	Glioma cell density in a rat gene therapy model gauged by water relaxation rate along a fictitious magnetic field. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 269-277.	3.0	21
90	MRI of fast-relaxing spins. <i>Journal of Magnetic Resonance</i> , 2013, 229, 49-54.	2.1	21

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91	Detection of neuronal loss using T1 $\rho$ -MRI assessment of 1H <sub>2</sub> O spin dynamics in the aphakia mouse. Journal of Neuroscience Methods, 2009, 177, 160-167.	2.5	20
92	MRI by steering resonance through space. Magnetic Resonance in Medicine, 2014, 72, 49-58.	3.0	18
93	Relaxation During Adiabatic Radiofrequency Pulses. Current Analytical Chemistry, 2007, 3, 239-251.	1.2	15
94	In vivo imaging and quantification of iron oxide nanoparticle uptake and biodistribution. , 2012, 8317, .		15
95	Gradient-Modulated SWIFT. Magnetic Resonance in Medicine, 2016, 75, 537-546.	3.0	15
96	Gradient-Modulated PETRA MRI. Tomography, 2015, 1, 85-90.	1.8	15
97	Uncovering hidden in vivo resonances using editing based on localized TOCSY. Magnetic Resonance in Medicine, 2005, 53, 783-789.	3.0	14
98	Development and Validation of Noninvasive Magnetic Resonance Relaxometry for the In Vivo Assessment of Tissue-Engineered Graft Oxygenation. Tissue Engineering - Part C: Methods, 2016, 22, 1009-1017.	2.1	14
99	Evaluation of (E)-2'-deoxy-2'-(fluoromethylene)cytidine on the 9L rat brain tumor model using MRI. NMR in Biomedicine, 2003, 16, 67-76.	2.8	13
100	Multiparametric MRI of Epiphyseal Cartilage Necrosis (Osteochondrosis) with Histological Validation in a Goat Model. PLoS ONE, 2015, 10, e0140400.	2.5	13
101	Rapid ex vivo imaging of P4III prostate to bone tumor with SWIFT-MRI. Magnetic Resonance in Medicine, 2014, 72, 858-863.	3.0	12
102	Positive contrast from cells labeled with iron oxide nanoparticles: Quantitation of imaging data. Magnetic Resonance in Medicine, 2017, 78, 1900-1910.	3.0	12
103	Transmural distribution of 2-deoxyglucose uptake in normal and post-ischemic canine myocardium. NMR in Biomedicine, 1995, 8, 9-18.	2.8	11
104	The time-dependence of exchange-induced relaxation during modulated radio frequency pulses. Journal of Magnetic Resonance, 2006, 179, 136-139.	2.1	11
105	Designing 3D selective adiabatic radiofrequency pulses with single and parallel transmission. Magnetic Resonance in Medicine, 2018, 79, 701-710.	3.0	11
106	Design of an Intraoral Dipole Antenna for Dental Applications. IEEE Transactions on Biomedical Engineering, 2021, 68, 2563-2573.	4.2	11
107	Imaging and modification of the tumor vascular barrier for improvement in magnetic nanoparticle uptake and hyperthermia treatment efficacy. , 2013, 8584, .		10
108	Establishing the overlap of IONP quantification with echo and echoless MR relaxation mapping. Magnetic Resonance in Medicine, 2018, 79, 1420-1428.	3.0	10

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109	Imaging the distribution of iron oxide nanoparticles in hypothermic perfused tissues. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1750-1759.	3.0	10
110	Contemporary approaches to high-field magnetic resonance imaging with large field inhomogeneity. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2020, 120-121, 95-108.	7.5	9
111	Development and validation of 3D MPAGE-SFP to enable MRI in inhomogeneous magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 831-844.	3.0	9
112	1 <sup>h</sup> gradient-based MRI using frequency-modulated Rabi-encoded echoes. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 674-685.	3.0	9
113	Imaging human teeth by phosphorus magnetic resonance with nuclear Overhauser enhancement. <i>Scientific Reports</i> , 2016, 6, 30756.	3.3	8
114	Full analytical solution of the Bloch equation when using a hyperbolic-secant driving function. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1630-1638.	3.0	8
115	Simple partial volume receive coils for in vivo <sup>1</sup> H MR studies at high magnetic fields. <i>Concepts in Magnetic Resonance Part B</i> , 2007, 31B, 71-85.	0.7	7
116	Magnetic Resonance Spectroscopy in the Diagnosis and Treatment of Breast Cancer. <i>Seminars in Breast Disease</i> , 2008, 11, 100-105.	0.0	7
117	2D Pulses using spatially dependent frequency sweeping. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1364-1374.	3.0	7
118	Two-dimensional frequency-swept pulse with resilience to both B <sub>1</sub> and B <sub>0</sub> inhomogeneity. <i>Journal of Magnetic Resonance</i> , 2019, 299, 93-100.	2.1	7
119	Retrospective correction of surface coil MR images using an automatic segmentation and modeling approach. <i>Magnetic Resonance in Medicine</i> , 1997, 10, 125-128.		5
120	Frequency offset dependence of adiabatic rotating frame relaxation rate constants: relevance to MRS investigations of metabolite dynamics <i>in vivo</i> . <i>NMR in Biomedicine</i> , 2011, 24, 807-814.	2.8	5
121	Adiabatic pulses. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 103-110.		5
122	Phase imaging in brain using SWIFT. <i>Journal of Magnetic Resonance</i> , 2015, 252, 20-28.	2.1	4
123	Noninvasive assessment of tissue-engineered graft viability by oxygen- <sup>17</sup> magnetic resonance spectroscopy. <i>Biotechnology and Bioengineering</i> , 2017, 114, 1118-1121.	3.3	4
124	RF pulse methods for use with surface coils: Frequency-modulated pulses and parallel transmission. <i>Journal of Magnetic Resonance</i> , 2018, 291, 84-93.	2.1	4
125	MRI exploiting frequency-modulated pulses and their nonlinear phase. <i>Journal of Magnetic Resonance</i> , 2020, 318, 106779.	2.1	4
126	Accelerated imaging with segmented 2D pulses using parallel imaging and virtual coils. <i>Journal of Magnetic Resonance</i> , 2019, 305, 185-194.	2.1	3



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127	Noninvasive Fluorine-19 Magnetic Resonance Relaxometry Measurement of the Partial Pressure of Oxygen in Acellular Perfluorochemical-loaded Alginate Microcapsules Implanted in the Peritoneal Cavity of Nonhuman Primates. <i>Transplantation</i> , 2020, 104, 259-269.	1.0	3
128	Magnetic Resonance Spectroscopy of Breast Cancer. , 2008, , 407-415.		2
129	What is new in breast MRI spectroscopy. <i>European Journal of Radiology</i> , 2012, 81, S107-S108.	2.6	2
130	Gradient rotating outer volume excitation (GROOVE): A novel method for single-shot two-dimensional outer volume suppression. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 139-149.	3.0	2
131	High-Spatial- and High-Temporal-Resolution Dynamic Contrast-enhanced MR Breast Imaging with Sweep Imaging with Fourier Transformation: A Pilot Study. <i>Radiology</i> , 2015, 274, 540-547.	7.3	2
132	Imaging of a high concentration of iron labeled cells with positive contrast in a rat knee. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1947-1954.	3.0	2
133	Ultra-low frequency EPR using longitudinal detection and fictitious-field modulation. <i>Journal of Magnetic Resonance</i> , 2020, 321, 106855.	2.1	2
134	Dual polarity encoded MRI using high bandwidth radiofrequency pulses for robust imaging with large field inhomogeneity. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1271-1283.	3.0	2
135	Exchange-induced relaxation in the presence of a fictitious field. <i>Journal of Magnetic Resonance</i> , 2014, 245, 12-16.	2.1	1
136	3D cine magnetic resonance imaging of rat lung ARDS using gradient-modulated SWIFT with retrospective respiratory gating. , 2015, 9417, .		1
137	UTE-SPECIAL for 3D localization at an echo time of 4Âms on a clinical 3ÂT scanner. <i>Journal of Magnetic Resonance</i> , 2020, 311, 106670.	2.1	1
138	Subchronic In Vivo Effects of a High Static Magnetic Field (9.4 T) in Rats. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 122-139.	3.4	1
139	Quantifying iron-oxide nanoparticles at high concentration based on longitudinal relaxation using a three-dimensional SWIFT look-locker sequence. <i>Magnetic Resonance in Medicine</i> , 2014, 71, spcone-spcone.	3.0	0
140	Reducing the Complexity of Model-Based MRI Reconstructions via Sparsification. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2477-2486.	8.9	0