

Mark A Griswold

List of Publications by Year in descending order

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221
papers

17,755
citations

23567

58
h-index

14759

127
g-index

223
all docs

223
docs citations

223
times ranked

11132
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective excitation localized by the Bloch–Siegert shift and a B1+ gradient. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1081-1097.	3.0	4
2	Comparing learning retention in medical students using mixed-reality to supplement dissection: a preliminary study. <i>International Journal of Medical Education</i> , 2022, 13, 107-114.	1.2	7
3	Characterizing thalamic and basal ganglia nuclei in medically intractable focal epilepsy by <sc>MR</sc> fingerprinting. <i>Epilepsia</i> , 2022, 63, 1998-2010.	5.1	7
4	Multicenter Repeatability and Reproducibility of <sc>MR</sc> Fingerprinting in Phantoms and in Prostatic Tissue. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1818-1827.	3.0	10
5	<sc>MR</sc> Fingerprinting with b-Tensor Encoding for Simultaneous Quantification of Relaxation and Diffusion in a Single Scan. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 2043-2057.	3.0	11
6	Myocardial T₁ and T₂ quantification and water–fat separation using cardiac MR fingerprinting with rosette trajectories at 3T and 1.5T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 103-119.	3.0	24
7	3D magnetic resonance fingerprinting with quadratic RF phase. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2084-2094.	3.0	13
8	Radiomic analysis of magnetic resonance fingerprinting in adult brain tumors. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 683-693.	6.4	31
9	<sc>Free-Breathing</sc> Abdominal Magnetic Resonance Fingerprinting Using a Pilot Tone Navigator. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1138-1151.	3.4	14
10	Magnetic resonance fingerprinting: an overview. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 4189-4200.	6.4	14
11	Rapid B₁-insensitive MR Fingerprinting for Quantitative Kidney Imaging. <i>Radiology</i> , 2021, 300, 380-387.	7.3	11
12	Feasibility of MR fingerprinting using a high-performance 0.55T MRI system. <i>Magnetic Resonance Imaging</i> , 2021, 81, 88-93.	1.8	15
13	Automated design of pulse sequences for magnetic resonance fingerprinting using physics-inspired optimization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	16
14	A System for Real-Time, Online Mixed-Reality Visualization of Cardiac Magnetic Resonance Images. <i>Journal of Imaging</i> , 2021, 7, 274.	3.0	3
15	Magnetic resonance fingerprinting Part 1: Potential uses, current challenges, and recommendations. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 675-692.	3.4	58
16	Magnetic resonance fingerprinting review part 2: Technique and directions. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 993-1007.	3.4	42
17	Non-invasive tumor decoding and phenotyping of cerebral gliomas utilizing multiparametric 18F-FET PET-MRI and MR Fingerprinting. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1435-1445.	6.4	85
18	Quantifying Perfusion Properties with DCE-MRI Using a Dictionary Matching Approach. <i>Scientific Reports</i> , 2020, 10, 10210.	3.3	3

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19	Assessment of Mixed-Reality Technology Use in Remote Online Anatomy Education. JAMA Network Open, 2020, 3, e2016271.	5.9	24
20	Mixed reality as a time-efficient alternative to cadaveric dissection. Medical Teacher, 2020, 42, 896-901.	1.8	40
21	Cardiac cine magnetic resonance fingerprinting for combined ejection fraction, T_1 and T_2 quantification. NMR in Biomedicine, 2020, 33, e4323.	2.8	27
22	Simultaneous Mapping of T_1 and T_2 Using Cardiac Magnetic Resonance Fingerprinting in a Cohort of Healthy Subjects at 1.5T. Journal of Magnetic Resonance Imaging, 2020, 52, 1044-1052.	3.4	31
23	Differential Image Based Robot to MRI Scanner Registration with Active Fiducial Markers for an MRI-Guided Robotic Catheter System. IEEE International Conference on Intelligent Robots and Systems, 2020, 2020, 2958-2964.	0.6	0
24	Differential Image Based Robot to MRI Scanner Registration with Active Fiducial Markers for an MRI-Guided Robotic Catheter System. , 2020, 2020, 2958-2964.		1
25	Magnetic Resonance Fingerprinting to Characterize Childhood and Young Adult Brain Tumors. Pediatric Neurosurgery, 2019, 54, 310-318.	0.7	32
26	MR Fingerprinting and ADC Mapping for Characterization of Lesions in the Transition Zone of the Prostate Gland. Radiology, 2019, 292, 685-694.	7.3	59
27	Reproducibility and Repeatability of MR Fingerprinting Relaxometry in the Human Brain. Radiology, 2019, 292, 429-437.	7.3	78
28	Holographic Reconstruction of Axonal Pathways in the Human Brain. Neuron, 2019, 104, 1056-1064.e3.	8.1	91
29	Treatment of Glioblastoma Using Multicomponent Silica Nanoparticles. Advanced Therapeutics, 2019, 2, 1900118.	3.2	23
30	Recommendations towards standards for quantitative MRI (qMRI) and outstanding needs. Journal of Magnetic Resonance Imaging, 2019, 49, e26-e39.	3.4	67
31	Parameter map error due to normal noise and aliasing artifacts in MR fingerprinting. Magnetic Resonance in Medicine, 2019, 81, 3108-3123.	3.0	30
32	Repeatability and reproducibility of 3D MR fingerprinting relaxometry measurements in normal breast tissue. Journal of Magnetic Resonance Imaging, 2019, 50, 1133-1143.	3.4	34
33	A new supplement to gross anatomy dissection: HoloAnatomy. Medical Education, 2019, 53, 522-523.	2.1	29
34	Development of high-resolution 3D MR fingerprinting for detection and characterization of epileptic lesions. Journal of Magnetic Resonance Imaging, 2019, 49, spcone-spcone.	3.4	0
35	Partial volume mapping using magnetic resonance fingerprinting. NMR in Biomedicine, 2019, 32, e4082.	2.8	29
36	Dynamic, Simultaneous Concentration Mapping of Multiple MRI Contrast Agents with Dual Contrast - Magnetic Resonance Fingerprinting. Scientific Reports, 2019, 9, 19888.	3.3	6

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37	Development of high-resolution 3D MR fingerprinting for detection and characterization of epileptic lesions. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1333-1346.	3.4	70
38	Simultaneous multislice cardiac magnetic resonance fingerprinting using low rank reconstruction. <i>NMR in Biomedicine</i> , 2019, 32, e4041.	2.8	38
39	Realistic 4D MRI abdominal phantom for the evaluation and comparison of acquisition and reconstruction techniques. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1863-1875.	3.0	14
40	Optimal Experiment Design for Magnetic Resonance Fingerprinting: Cram�r-Rao Bound Meets Spin Dynamics. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 844-861.	8.9	89
41	Magnetic resonance fingerprinting with quadratic RF phase for measurement of T_2^* simultaneously with T_1 , and T_2 . <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1849-1862.	3.0	35
42	Three-dimensional MR Fingerprinting for Quantitative Breast Imaging. <i>Radiology</i> , 2019, 290, 33-40.	7.3	59
43	Magnetic resonance field fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2347-2359.	3.0	32
44	a-f BLAST: Non-Iterative Radial k-t BLAST Reconstruction for Real-Time Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 775-790.	8.9	1
45	Single breathhold 3D cardiac T_1 mapping using through-time spiral GRAPPA. <i>NMR in Biomedicine</i> , 2018, 31, e3923.	2.8	12
46	Regularly incremented phase encoding MR fingerprinting (RIPE-MRF) for enhanced motion artifact suppression in preclinical cartesian MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2176-2182.	3.0	17
47	Quantitative perfusion imaging of neoplastic liver lesions: A multi-institution study. <i>Scientific Reports</i> , 2018, 8, 4990.	3.3	14
48	Estimation of perfusion properties with MR Fingerprinting Arterial Spin Labeling. <i>Magnetic Resonance Imaging</i> , 2018, 50, 68-77.	1.8	34
49	Improved magnetic resonance fingerprinting reconstruction with low-rank and subspace modeling. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 933-942.	3.0	113
50	Fast 3D magnetic resonance fingerprinting for a whole-brain coverage. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2190-2197.	3.0	113
51	Bayesian estimation of multicomponent relaxation parameters in magnetic resonance fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 159-170.	3.0	40
52	Active localization and tracking of needle and target in robotic image-guided intervention systems. <i>Autonomous Robots</i> , 2018, 42, 83-97.	4.8	9
53	Low rank approximation methods for MR fingerprinting with large scale dictionaries. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2392-2400.	3.0	49
54	Investigating and reducing the effects of confounding factors for robust T1 and T2 mapping with cardiac MR fingerprinting. <i>Magnetic Resonance Imaging</i> , 2018, 53, 40-51.	1.8	60

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55	Fast magnetic resonance fingerprinting for dynamic contrast-enhanced studies in mice. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2681-2690.	3.0	15
56	Cadaver vs. Microsoft HoloLens: A Comparison of Educational Outcomes of a Breast Anatomy Module. <i>FASEB Journal</i> , 2018, 32, 635.6.	0.5	5
57	Real-time free-breathing cardiac imaging with self-calibrated through-time radial GRAPPA. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 250-264.	3.0	9
58	MR fingerprinting using the quick echo splitting NMR imaging technique. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 979-988.	3.0	30
59	MR fingerprinting for rapid quantification of myocardial T_1 , T_2 , and proton spin density. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1446-1458.	3.0	190
60	Simultaneous multislice magnetic resonance fingerprinting (SMS-MRF) with direct spiral slice GRAPPA (ds-SSG) reconstruction. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1966-1974.	3.0	35
61	Slice profile and B_1 corrections in 2D magnetic resonance fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1781-1789.	3.0	131
62	MR fingerprinting for rapid quantification of myocardial T_1 , T_2 , and proton spin density. <i>Magnetic Resonance in Medicine</i> , 2017, 77, C1-C1.	3.0	10
63	Development of a Combined MR Fingerprinting and Diffusion Examination for Prostate Cancer. <i>Radiology</i> , 2017, 283, 729-738.	7.3	125
64	Iterative Jacobian-Based Inverse Kinematics and Open-Loop Control of an MRI-Guided Magnetically Actuated Steerable Catheter System. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 1765-1776.	5.8	36
65	Cost-effectiveness of MR Imaging-guided Strategies for Detection of Prostate Cancer in Biopsy-Naive Men. <i>Radiology</i> , 2017, 285, 157-166.	7.3	66
66	Use of pattern recognition for unaliasing simultaneously acquired slices in simultaneous multislice MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1870-1876.	3.0	25
67	MR Fingerprinting of Adult Brain Tumors: Initial Experience. <i>American Journal of Neuroradiology</i> , 2017, 38, 492-499.	2.4	133
68	Dual Contrast - Magnetic Resonance Fingerprinting (DC-MRF): A Platform for Simultaneous Quantification of Multiple MRI Contrast Agents. <i>Scientific Reports</i> , 2017, 7, 8431.	3.3	27
69	^{31}P magnetic resonance fingerprinting for rapid quantification of creatine kinase reaction rate <i>in vivo</i> . <i>NMR in Biomedicine</i> , 2017, 30, e3786.	2.8	29
70	AIR-MRF: Accelerated iterative reconstruction for magnetic resonance fingerprinting. <i>Magnetic Resonance Imaging</i> , 2017, 41, 29-40.	1.8	39
71	Magnetic resonance fingerprinting - An overview. <i>Current Opinion in Biomedical Engineering</i> , 2017, 3, 56-66.	3.4	75
72	High efficiency radiofrequency power amplifier module for parallel transmit arrays at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1589-1598.	3.0	6

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73	Repeatability of magnetic resonance fingerprinting T_1 and T_2 estimates assessed using the ISMRM/NIST MRI system phantom. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1452-1457.	3.0	123
74	Simultaneous multislice magnetic resonance fingerprinting with low-rank and subspace modeling. , 2017, 2017, 3264-3268.		6
75	Design analysis of an MPI human functional brain scanner. <i>International Journal on Magnetic Particle Imaging</i> , 2017, 3, .	1.0	29
76	Music-based magnetic resonance fingerprinting to improve patient comfort during MRI examinations. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2303-2314.	3.0	46
77	Accelerating magnetic resonance fingerprinting (MRF) using t-blipped simultaneous multislice (SMS) acquisition. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2078-2085.	3.0	54
78	Self-calibrated trajectory estimation and signal correction method for robust radial imaging using GRAPPA operator gridding. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 883-896.	3.0	22
79	High-performance iron oxide nanoparticles for magnetic particle imaging "guided hyperthermia (hMPI). <i>Nanoscale</i> , 2016, 8, 12162-12169.	5.6	155
80	Multiscale reconstruction for MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2481-2492.	3.0	82
81	Cardiac MR fingerprinting for T1 and T2 mapping in four heartbeats. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, W1.	3.3	7
82	Dynamic Quantitative T1 Mapping in Orthotopic Brain Tumor Xenografts. <i>Translational Oncology</i> , 2016, 9, 147-154.	3.7	10
83	Rapid volumetric T_1 mapping of the abdomen using three-dimensional through-time spiral GRAPPA. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1457-1465.	3.0	27
84	MR Fingerprinting for Rapid Quantitative Abdominal Imaging. <i>Radiology</i> , 2016, 279, 278-286.	7.3	169
85	Modeling and Validation of the Three-Dimensional Deflection of an MRI-Compatible Magnetically Actuated Steerable Catheter. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2142-2154.	4.2	38
86	Parallel transmit excitation at 1.5 T based on the minimization of a driving function for device heating. <i>Medical Physics</i> , 2015, 42, 359-371.	3.0	22
87	Inflection Points in Magnetic Resonance Imaging Technology"35 Years of Collaborative Research and Development. <i>Investigative Radiology</i> , 2015, 50, 645-656.	6.2	1
88	MR fingerprinting using fast imaging with steady state precession (FISP) with spiral readout. <i>Magnetic Resonance in Medicine</i> , 2015, 74, spcone-spcone.	3.0	2
89	Authors and reviewers: Honesty and honor. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 557-557.	3.4	1
90	Lipid elimination with an echo-shifting N/2 ghost acquisition (LEENA) MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 711-717.	3.0	4

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91	Free-Breathing Liver Perfusion Imaging Using 3-Dimensional Through-Time Spiral Generalized Autocalibrating Partially Parallel Acquisition Acceleration. <i>Investigative Radiology</i> , 2015, 50, 367-375.	6.2	30
92	Molecular Imaging of Tumors Using a Quantitative T1 Mapping Technique via Magnetic Resonance Imaging. <i>Diagnostics</i> , 2015, 5, 318-332.	2.6	15
93	Active Detuning of MRI Receive Coils with GaN FETs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015, 63, 4169-4177.	4.6	15
94	Fast group matching for MR fingerprinting reconstruction. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 523-528.	3.0	87
95	MR fingerprinting using fast imaging with steady state precession (FISP) with spiral readout. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1621-1631.	3.0	309
96	Preclinical MR fingerprinting (MRF) at 7 T: effective quantitative imaging for rodent disease models. <i>NMR in Biomedicine</i> , 2015, 28, 384-394.	2.8	53
97	Treatment of Invasive Brain Tumors Using a Chain-like Nanoparticle. <i>Cancer Research</i> , 2015, 75, 1356-1365.	0.9	63
98	Magnetic Particle Imaging Tracers: State-of-the-Art and Future Directions. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2509-2517.	4.6	102
99	MR Fingerprinting with chemical exchange (MRF-X) to quantify subvoxel T1 and extracellular volume fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, W35.	3.3	10
100	Complex difference constrained compressed sensing reconstruction for accelerated PRF thermometry with application to MRI-induced RF heating. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1420-1431.	3.0	19
101	Simultaneous T1 and T2 Brain Relaxometry in Asymptomatic Volunteers Using Magnetic Resonance Fingerprinting. <i>Tomography</i> , 2015, 1, 136-144.	1.8	68
102	Evaluation of left ventricular ejection fraction using through-time radial GRAPPA. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 79.	3.3	29
103	SVD Compression for Magnetic Resonance Fingerprinting in the Time Domain. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 2311-2322.	8.9	214
104	NI-07 * MAGNETIC RESONANCE FINGERPRINTING OF BRAIN TUMORS: INITIAL CLINICAL RESULTS. <i>Neuro-Oncology</i> , 2014, 16, v139-v139.	1.2	1
105	Clinical evaluation of CAIPIRINHA: Comparison against a GRAPPA standard. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 189-194.	3.4	37
106	Three-dimensional through-time radial GRAPPA for renal MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 864-874.	3.4	16
107	Device localization and dynamic scan plane selection using a wireless magnetic resonance imaging detector array. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 2243-2249.	3.0	5
108	Quantitative High-Resolution Renal Perfusion Imaging Using 3-Dimensional Through-Time Radial Generalized Autocalibrating Partially Parallel Acquisition. <i>Investigative Radiology</i> , 2014, 49, 666-674.	6.2	21

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109	Parallel Imaging-Based Reduction of Acoustic Noise for Clinical Magnetic Resonance Imaging. Investigative Radiology, 2014, 49, 620-626.	6.2	19
110	On-Command Drug Release from Nanochains Inhibits Growth of Breast Tumors. Pharmaceutical Research, 2014, 31, 1460-1468.	3.5	13
111	Accelerated delayed enhancement imaging of myocardial infarction with through-time radial GRAPPA. Journal of Cardiovascular Magnetic Resonance, 2014, 16, W6.	3.3	1
112	Non-Cartesian parallel imaging reconstruction. Journal of Magnetic Resonance Imaging, 2014, 40, 1022-1040.	3.4	90
113	Quantification of left ventricular functional parameter values using 3D spiral bSSFP and through-time Non-Cartesian GRAPPA. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 65.	3.3	25
114	Real-time imaging with radial GRAPPA: Implementation on a heterogeneous architecture for low-latency reconstructions. Magnetic Resonance Imaging, 2014, 32, 747-758.	1.8	27
115	Treatment of cancer micrometastasis using a multicomponent chain-like nanoparticle. Journal of Controlled Release, 2014, 173, 51-58.	9.9	46
116	Reducing contrast contamination in radial turbo-spin-echo acquisitions by combining a narrow-band KWIC filter with parallel imaging. Magnetic Resonance in Medicine, 2014, 72, 1680-1686.	3.0	9
117	Auto-calibration approach for t SENSE. Magnetic Resonance in Medicine, 2014, 71, 1123-1129.	3.0	5
118	IR TrueFISP with a golden-ratio-based radial readout: Fast quantification of T_1 , T_2 , and proton density. Magnetic Resonance in Medicine, 2013, 69, 71-81.	3.0	91
119	Rapid time-resolved magnetic resonance angiography via a multiecho radial trajectory and GraDeS reconstruction. Magnetic Resonance in Medicine, 2013, 69, 346-359.	3.0	17
120	Magnetic particle spectroscopy of magnetite-polyethylene nanocomposite films: A novel sample for MPI tracer design. , 2013, , .		2
121	Triggered chemotherapeutic drug release from multi-component nanochains mediated by a local magnetic field. , 2013, , .		0
122	Simultaneous magnetic resonance angiography and perfusion (MRAP) measurement: Initial application in lower extremity skeletal muscle. Journal of Magnetic Resonance Imaging, 2013, 38, 1237-1244.	3.4	18
123	Peptide targeted tripod macrocyclic Gd(III) chelates for cancer molecular MRI. Biomaterials, 2013, 34, 7683-7693.	11.4	67
124	Magnetic resonance fingerprinting. Nature, 2013, 495, 187-192.	27.8	1,132
125	On-coil multiple channel transmit system based on class-D amplification and pre-amplification with current amplitude feedback. Magnetic Resonance in Medicine, 2013, 70, 276-289.	3.0	24
126	Results of the NeuroBlate System first-in-humans Phase I clinical trial for recurrent glioblastoma. Journal of Neurosurgery, 2013, 118, 1202-1219.	1.6	202

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127	Modeling the Brownian relaxation of nanoparticle ferrofluids: Comparison with experiment. Medical Physics, 2013, 40, 022303.	3.0	43
128	Novel magnetomechanical MR compatible vibrational device for producing kinesthetic illusion during fMRI. Medical Physics, 2013, 40, 112303.	3.0	7
129	Multi-Turn Transmit Coil to Increase B1 Efficiency in Current Source Amplification. Magnetic Resonance in Medicine, 2013, 69, 1180-1185.	3.0	7
130	Identification and mitigation of interference sources present in SSB-based wireless MRI receiver arrays. Magnetic Resonance in Medicine, 2013, 70, 1775-1786.	3.0	9
131	Multiband phase-constrained parallel MRI. Magnetic Resonance in Medicine, 2013, 69, 974-980.	3.0	43
132	Comparison of Brain MR Images at 1.5T Using BLADE and Rectilinear Techniques for Patients Who Move during Data Acquisition. American Journal of Neuroradiology, 2012, 33, 77-82.	2.4	31
133	Time-Resolved MR Angiography of the Legs at 3 T Using a Low Dose of Gadolinium: Initial Experience and Contrast Dynamics. American Journal of Roentgenology, 2012, 198, 686-691.	2.2	10
134	Enhanced Delivery of Chemotherapy to Tumors Using a Multicomponent Nanochain with Radio-Frequency-Tunable Drug Release. ACS Nano, 2012, 6, 4157-4168.	14.6	155
135	Through-time 3D radial GRAPPA for whole heart cardiac imaging. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	3
136	Parallel MR imaging. Journal of Magnetic Resonance Imaging, 2012, 36, 55-72.	3.4	402
137	Parallel excitation for B_1 -field insensitive fat-saturation preparation. Magnetic Resonance in Medicine, 2012, 68, 631-638.	3.0	7
138	T_2 -insensitive steady state imaging: A framework for purely T_2 -weighted TrueFISP. Magnetic Resonance in Medicine, 2012, 68, 409-420.	3.0	5
139	Diffusion-prepared fast imaging with steady-state free precession (DP-FISP): A rapid diffusion MRI technique at 7 T. Magnetic Resonance in Medicine, 2012, 68, 868-873.	3.0	20
140	Resolution enhanced T_2 -insensitive steady-state imaging. Magnetic Resonance in Medicine, 2012, 68, 421-429.	3.0	4
141	Fast cardiac T_1 mapping in mice using a model-based compressed sensing method. Magnetic Resonance in Medicine, 2012, 68, 1127-1134.	3.0	42
142	Time-efficient slab-selective water excitation for 3D MRI. Magnetic Resonance in Medicine, 2012, 67, 127-136.	3.0	0
143	Parallel Imaging in Angiography. , 2012, , 185-198.		0
144	Control of intravascular catheters using an array of active steering coils. Medical Physics, 2011, 38, 4215-4224.	3.0	34

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145	Improved radial GRAPPA calibration for real-time free-breathing cardiac imaging. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 492-505.	3.0	91
146	CEST-FISP: A novel technique for rapid chemical exchange saturation transfer MRI at 7 T. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 432-437.	3.0	75
147	Improvements in multislice parallel imaging using radial CAIPIRINHA. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1630-1637.	3.0	57
148	Temporal filtering effects in dynamic parallel MRI. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 192-198.	3.0	13
149	Improved temporal resolution in cardiac imaging using through-time spiral GRAPPA. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1682-1688.	3.0	49
150	Three-dimensional quadrature array coil elements for improved parallel magnetic resonance imaging performance at 1.5 Tesla. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2011, 38A, 61-73.	0.5	1
151	Applications of Time-Resolved MR Angiography. <i>American Journal of Roentgenology</i> , 2011, 196, W613-W620.	2.2	36
152	Evaluation of Image Quality of a 32-Channel versus a 12-Channel Head Coil at 1.5T for MR Imaging of the Brain. <i>American Journal of Neuroradiology</i> , 2011, 32, 365-373.	2.4	32
153	Multiple Overlapping k-Space Junctions for Investigating Translating Objects (MOJITO). <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 339-349.	8.9	10
154	Characterization and reduction of saturation banding in multiplanar coherent and incoherent steady-state imaging. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1415-1421.	3.0	6
155	Accelerating time-resolved MRA with multiecho acquisition. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1520-1528.	3.0	10
156	Free-breathing myocardial perfusion MRI using SW-CG-HYPR and motion correction. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1148-1154.	3.0	13
157	Rapid T_1 mapping of mouse myocardium with saturation recovery look-locker method. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 1296-1303.	3.0	53
158	Real-time low-latency self-calibrating grog for interventional mri. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, .	3.3	0
159	Time-Resolved and Bolus-Chase MR Angiography of the Leg: Branching Pattern Analysis and Identification of Septocutaneous Perforators. <i>American Journal of Roentgenology</i> , 2010, 195, 858-864.	2.2	28
160	Rapid 3D radial multi-echo functional magnetic resonance imaging. <i>NeuroImage</i> , 2010, 52, 1428-1443.	4.2	23
161	RT-GROG: parallelized self-calibrating GROG for real-time MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 306-312.	3.0	8
162	Dual purpose Prussian blue nanoparticles for cellular imaging and drug delivery: a new generation of T1-weighted MRI contrast and small molecule delivery agents. <i>Journal of Materials Chemistry</i> , 2010, 20, 5251.	6.7	223

#	ARTICLE	IF	CITATIONS
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164	Double spiral array coil design for enhanced 3D parallel MRI at 1.5 Tesla. Concepts in Magnetic Resonance Part B, 2009, 35B, 67-79.	0.7	7
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