

Feng Liu

List of Publications by Year in descending order

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docs citations

218
times ranked

2286
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Multi-Modal Antenna With Coupled Radiating Structures (I-MARS) for 7T pTx Body MRI. IEEE Transactions on Medical Imaging, 2022, 41, 39-51.	8.9	5
2	Deep grey matter quantitative susceptibility mapping from small spatial coverages using deep learning. Zeitschrift Fur Medizinische Physik, 2022, 32, 188-198.	1.5	3
3	Actively-shielded ultrahigh field MRI/NMR superconducting magnet design. Superconductor Science and Technology, 2022, 35, 014001.	3.5	9
4	Exposure of Infants to Gradient Fields in a Baby MRI Scanner. Bioelectromagnetics, 2022, 43, 69-80.	1.6	1
5	Progress of ultra-high-field superconducting magnets in China. Superconductor Science and Technology, 2022, 35, 023001.	3.5	22
6	A Novel Active Shim Coil Design Scheme for the Effective Imaging Region above the Patient Bed in MRI. Journal of Superconductivity and Novel Magnetism, 2022, 35, 1685-1691.	1.8	1
7	Instant tissue field and magnetic susceptibility mapping from MRI raw phase using Laplacian enhanced deep neural networks. NeuroImage, 2022, 259, 119410.	4.2	12
8	Divergence-Based Magnetic Resonance Electrical Properties Tomography. IEEE Transactions on Biomedical Engineering, 2021, 68, 192-203.	4.2	6
9	Metamaterial-Inspired Radiofrequency (RF) Shield With Reduced Specific Absorption Rate (SAR) and Improved Transmit Efficiency for UHF MRI. IEEE Transactions on Biomedical Engineering, 2021, 68, 1178-1189.	4.2	16
10	Cognitive Load During Multitasking Can Be Accurately Assessed Based on Single Channel Electroencephalography Using Graph Methods. IEEE Access, 2021, 9, 33102-33109.	4.2	14
11	Compressed Sensing-Based Simultaneous Recovery of Magnitude and Phase MR Images via Dual Trigonometric Sparsity. IEEE Access, 2021, 9, 38001-38009.	4.2	3
12	Constrained Backtracking Matching Pursuit Algorithm for Image Reconstruction in Compressed Sensing. Applied Sciences (Switzerland), 2021, 11, 1435.	2.5	9
13	A volumetric finite-difference method for the design of three-dimensional, arbitrary-structured MRI gradient coil. Review of Scientific Instruments, 2021, 92, 034712.	1.3	4
14	On the regularization of feature fusion and mapping for fast MR multi-contrast imaging via iterative networks. Magnetic Resonance Imaging, 2021, 77, 159-168.	1.8	12
15	ReUINet: A fast GNL distortion correction approach on a 1.0T MRI scanner. Medical Physics, 2021, 48, 2991-3002.	3.0	3
16	Recurrence Plot-Based Approach for Cardiac Arrhythmia Classification Using Inception-ResNet-v2. Frontiers in Physiology, 2021, 12, 648950.	2.8	22
17	Effect of radiofrequency inhomogeneity on water-content based electrical properties tomography and its correction by flip angle maps. Magnetic Resonance Imaging, 2021, 78, 25-34.	1.8	4
18	Deep unregistered multi-contrast MRI reconstruction. Magnetic Resonance Imaging, 2021, 81, 33-41.	1.8	8

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19	Accelerating quantitative susceptibility and R2* mapping using incoherent undersampling and deep neural network reconstruction. <i>NeuroImage</i> , 2021, 240, 118404.	4.2	8
20	xQSM: quantitative susceptibility mapping with octave convolutional and noise-regularized neural networks. <i>NMR in Biomedicine</i> , 2021, 34, e4461.	2.8	25
21	Universal Undersampled MRI Reconstruction. <i>Lecture Notes in Computer Science</i> , 2021, , 211-221.	1.3	7
22	Optimizing multicontrast MRI reconstruction with shareable feature aggregation and selection. <i>NMR in Biomedicine</i> , 2021, 34, e4540.	2.8	4
23	Image reconstruction for the rotating RF coil using k-t bin robust principal component analysis (RPCA) method. , 2021, 2021, 3313-3316.		0
24	Design of an insertable cone-shaped gradient coil matrix for head imaging with a volumetric finite-difference method. <i>Review of Scientific Instruments</i> , 2021, 92, 124709.	1.3	1
25	Numerical Experiments on the Contrast Capability of Magnetic Resonance Electrical Property Tomography. <i>Magnetic Resonance in Medical Sciences</i> , 2020, 19, 77-85.	2.0	1
26	Changes of the postcentral cortex in irritable bowel syndrome patients. <i>Brain Imaging and Behavior</i> , 2020, 14, 1566-1576.	2.1	13
27	Integrating model- and data-driven methods for synchronous adaptive multi-band image fusion. <i>Information Fusion</i> , 2020, 54, 145-160.	19.1	23
28	Integral MR-EPT With the Calculation of Coil Current Distributions. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 175-187.	8.9	4
29	The Optimal Target Magnetic Field Method for Passive Shimming in MRI. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 867-875.	1.8	7
30	Geometric distortion characterization and correction for the 1.0T Australian MRI linac system using an inverse electromagnetic method. <i>Medical Physics</i> , 2020, 47, 1126-1138.	3.0	11
31	Highly Shielded Gradient Coil Design for a Superconducting Planar MRI System. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1-1.	4.2	3
32	Design of Highly Uniform Three Dimensional Spherical Magnetic Field Coils for Atomic Sensors. <i>IEEE Sensors Journal</i> , 2020, 20, 11229-11236.	4.7	30
33	A dedicated eight-channel receive RF coil array for monkey brain MRI at 9.4 T. <i>NMR in Biomedicine</i> , 2020, 33, e4369.	2.8	2
34	Insert magnet and shim coils design for a 27 T nuclear magnetic resonance spectrometer with hybrid high and low temperature superconductors. <i>Superconductor Science and Technology</i> , 2020, 33, 064004.	3.5	17
35	Magnetic Resonance-Electrical Properties Tomography by Directly Solving Maxwell's Curl Equations. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3318.	2.5	1
36	Actively-Shielded Superconducting Magnet Design of a Large-Bore 7 T Animal MRI Scanner. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-4.	1.7	4

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37	Fast geometric distortion correction using a deep neural network: Implementation for the 1 Tesla MRIâ€Linac system. Medical Physics, 2020, 47, 4303-4315.	3.0	4
38	Statistical analysis of the accuracy of water contentâ€based electrical properties tomography. NMR in Biomedicine, 2020, 33, e4273.	2.8	5
39	Electromagnetic design of a 1.5T open MRI superconducting magnet. Physica C: Superconductivity and Its Applications, 2020, 570, 1353602.	1.2	8
40	Adaptive <scp>SAR</scp> massâ€averaging framework to improve predictions of local <scp>RF</scp> heating near a hip implant for parallel transmit at 7 <scp>T</scp>. Magnetic Resonance in Medicine, 2019, 81, 615-627.	3.0	15
41	A Novel Design Method of Independent Zonal Superconducting Shim Coil. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-8.	1.7	8
42	A Dichotomization Winding Scheme on a Novel Asymmetric Head Gradient Coil Design with an Improved Force and Torque Balance. IEEE Transactions on Biomedical Engineering, 2019, 66, 1-1.	4.2	3
43	Gradient Field Deviation (GFD) Correction Using a Hybrid-Norm Approach With Wavelet Sub-Band Dependent Regularization: Implementation for Radial MRI at 9.4 T. IEEE Transactions on Biomedical Engineering, 2019, 66, 2693-2701.	4.2	5
44	Directional tensor product complex tight framelets for compressed sensing MRI reconstruction. IET Image Processing, 2019, 13, 2183-2189.	2.5	1
45	Tesseral superconducting shim coil design with quasi-saddle geometry for use in high-field magnet system. Review of Scientific Instruments, 2019, 90, 094705.	1.3	7
46	Chaotic Binary Sensing Matrices. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950121.	1.7	4
47	A cone-shaped gradient coil design for high-resolution MRI head imaging. Physics in Medicine and Biology, 2019, 64, 085003.	3.0	5
48	Electrocardiogram Reconstruction Based on Compressed Sensing. IEEE Access, 2019, 7, 37228-37237.	4.2	14
49	A numerical and experimental study of RF shimming in the presence of hip prostheses using adaptive SAR at 3 T. Magnetic Resonance in Medicine, 2019, 81, 3826-3839.	3.0	6
50	A Novel Mixed Integer Programming Scheme for Passive Shimming in MRI. , 2019, , .		1
51	Bipolar measurement matrix using chaotic sequence. Communications in Nonlinear Science and Numerical Simulation, 2019, 72, 139-151.	3.3	12
52	Reference-Based Integral MR-EPT: Simulation and Experiment Studies at 9.4 T MRI. IEEE Transactions on Biomedical Engineering, 2019, 66, 1832-1843.	4.2	8
53	Numerical Design of High-Efficiency Whole-Body Gradient Coils With a Hybrid Cylindrical-Planar Structure. IEEE Transactions on Biomedical Engineering, 2019, 66, 1628-1636.	4.2	6
54	Robust Feature Selection Based on Fuzzy Rough Sets with Representative Sample. Lecture Notes in Computer Science, 2019, , 151-165.	1.3	1

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55	An Efficient Integral-Based Method for Three-Dimensional MR-EPT and the Calculation of the RF-Coil-Induced $\{B_z\}$ Field. IEEE Transactions on Biomedical Engineering, 2018, 65, 282-293.	4.2	16
56	Radial magnetic resonance imaging (MRI) using a rotating radiofrequency (RF) coil at 9.4T. NMR in Biomedicine, 2018, 31, e3860.	2.8	5
57	Spiral Gradient Coil Design for Use in Cylindrical MRI Systems. IEEE Transactions on Biomedical Engineering, 2018, 65, 911-920.	4.2	22
58	Technical Note: Sequential combination of parallel imaging and dynamic artificial sparsity framework for rapid free-breathing golden-angle radial dynamic MRI: KARTARTS-GROWL. Medical Physics, 2018, 45, 202-213.	3.0	7
59	Smart Wearables in Healthcare: Signal Processing, Device Development, and Clinical Applications. Journal of Healthcare Engineering, 2018, 2018, 1-2.	1.9	15
60	An actively shielded gradient coil design for use in planar MRI systems with limited space. Review of Scientific Instruments, 2018, 89, 095110.	1.3	9
61	Efficient sleep classification based on entropy features and a support vector machine classifier. Physiological Measurement, 2018, 39, 115005.	2.1	14
62	Age-related network topological difference based on the sleep ECG signal. Physiological Measurement, 2018, 39, 084009.	2.1	7
63	Numerical simulations on active shielding methods comparison and wrapped angle optimization for gradient coil design in MRI with enhanced shielding effect. Review of Scientific Instruments, 2018, 89, 055116.	1.3	1
64	MR-based electrical property tomography using a modified finite difference scheme. Physics in Medicine and Biology, 2018, 63, 145013.	3.0	12
65	Online dynamic cardiac imaging based on the elastic-net model. Inverse Problems in Science and Engineering, 2017, 25, 188-201.	1.2	0
66	Image Reconstruction for a Rotating Radiofrequency Coil (RRFC) Using Self-Calibrated Sensitivity From Radial Sampling. IEEE Transactions on Biomedical Engineering, 2017, 64, 274-283.	4.2	6
67	Pseudo-Polar Fourier Transform-Based Compressed Sensing MRI. IEEE Transactions on Biomedical Engineering, 2017, 64, 816-825.	4.2	20
68	A simulation study on the design of gradient coils in MRI for the imaging area above the patient bed. Measurement Science and Technology, 2017, 28, 035402.	2.6	5
69	A numerical study of the acoustic radiation due to eddy current-cryostat interactions. Medical Physics, 2017, 44, 2196-2206.	3.0	11
70	Design of transverse head gradient coils using a layer-sharing scheme. Journal of Magnetic Resonance, 2017, 278, 88-95.	2.1	9
71	Dynamic updating atlas for heart segmentation with a nonlinear field-based model. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1785.	2.3	4
72	An improved non-Cartesian partially parallel imaging by exploiting artificial sparsity. Magnetic Resonance in Medicine, 2017, 78, 271-279.	3.0	12

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73	A framework combining window width-level adjustment and Gaussian filter-based multi-resolution for automatic whole heart segmentation. <i>Neurocomputing</i> , 2017, 220, 138-150.	5.9	28
74	Improved $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle k \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle - \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ PCA Algorithm Using Artificial Sparsity in Dynamic MRI. <i>Computational and Mathematical Methods in Medicine</i> , 2017, 2017, 1-12.	1.3	2
75	Quantitative analysis of the reconstruction errors of the currently popular algorithm of magnetic resonance electrical property tomography at the interfaces of adjacent tissues. <i>NMR in Biomedicine</i> , 2016, 29, 744-750.	2.8	26
76	Simulation of multi-probe radiofrequency ablation guided by optical surgery navigation system under different active modes. <i>Computer Assisted Surgery</i> , 2016, 21, 107-116.	1.3	3
77	An improved asymmetric gradient coil design for high-resolution MRI head imaging. <i>Physics in Medicine and Biology</i> , 2016, 61, 8875-8889.	3.0	17
78	A large-scale measurement of dielectric properties of normal and malignant colorectal tissues obtained from cancer surgeries at Larmor frequencies. <i>Medical Physics</i> , 2016, 43, 5991-5997.	3.0	18
79	The Design of Decoupled Even-Order Zonal Superconducting Shim Coils for a 9.4 T Whole-Body MRI. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-8.	1.7	8
80	Asymmetric gradient coil design for use in a short, open bore magnetic resonance imaging scanner. <i>Journal of Magnetic Resonance</i> , 2016, 269, 203-212.	2.1	13
81	Mitigation of Intra-coil Eddy Currents in Split Gradient Coils in a Hybrid MRI-LINAC System. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 64, 1-1.	4.2	7
82	Passive shimming of a superconducting magnet using the L1-norm regularized least square algorithm. <i>Journal of Magnetic Resonance</i> , 2016, 263, 122-125.	2.1	15
83	Numerical assessment of the reduction of specific absorption rate by adding high dielectric materials for fetus MRI at 3 T. <i>Biomedizinische Technik</i> , 2016, 61, 455-461.	0.8	3
84	Intra-coil interactions in split gradient coils in a hybrid MRI-LINAC system. <i>Journal of Magnetic Resonance</i> , 2016, 265, 52-58.	2.1	10
85	Development of high magnetic field magnet technologies for the magnetic resonance medical imaging. , 2015, , .		1
86	Simulation study of noise reduction methods for a split MRI system using a finite element method. <i>Medical Physics</i> , 2015, 42, 7122-7131.	3.0	12
87	Accelerating dynamic cardiac imaging based on a dual-dictionary learning algorithm. , 2015, , .		0
88	IBEM applied to the design of gradient coils for superconducting MRI. , 2015, , .		0
89	Acoustic analysis for a split MRI system using FE method. <i>Concepts in Magnetic Resonance Part B</i> , 2015, 45, 85-96.	0.7	14
90	Determination of Sample Entropy and Fuzzy Measure Entropy Parameters for Distinguishing Congestive Heart Failure from Normal Sinus Rhythm Subjects. <i>Entropy</i> , 2015, 17, 6270-6288.	2.2	68

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91	Compressed Sensing MRI via Two-stage Reconstruction. IEEE Transactions on Biomedical Engineering, 2015, 62, 110-118.	4.2	28
92	A novel passive shimming method for the correction of magnetic fields above the patient bed in MRI. Journal of Magnetic Resonance, 2015, 257, 64-69.	2.1	16
93	In vivo sensitivity estimation and imaging acceleration with rotating RF coil arrays at 7 Tesla. Journal of Magnetic Resonance, 2015, 252, 29-40.	2.1	5
94	Aliasing Artefact Suppression in Compressed Sensing MRI for Random Phase-Encode Undersampling. IEEE Transactions on Biomedical Engineering, 2015, 62, 2215-2223.	4.2	15
95	Design of Shimming Rings for Small Permanent MRI Magnet Using Sensitivity-Analysis-Based Particle Swarm Optimization Algorithm. Journal of Medical and Biological Engineering, 2015, 35, 448-454.	1.8	2
96	Multidimensional Compressed Sensing MRI Using Tensor Decomposition-Based Sparsifying Transform. PLoS ONE, 2014, 9, e98441.	2.5	57
97	Online dynamic magnetic resonance imaging based on an improved motion prediction scheme. , 2014, , .		5
98	GPU accelerated high-dimensional compressed sensing MRI. , 2014, , .		3
99	Sparse-Representation-Based Direct MinimumLp-Norm Algorithm for MRI Phase Unwrapping. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-11.	1.3	6
100	Highly accelerated acquisition and homogeneous image reconstruction with rotating RF coil array at 7Tâ€”A phantom based study. Journal of Magnetic Resonance, 2014, 240, 102-112.	2.1	8
101	An analysis of the gradient-induced electric fields and current densities in human models when situated in a hybrid MRI-LINAC system. Physics in Medicine and Biology, 2014, 59, 233-245.	3.0	20
102	Image registration guided, sparsity constrained reconstructions for dynamic MRI. Magnetic Resonance Imaging, 2014, 32, 1403-1417.	1.8	5
103	Numerical Safety Study of Currents Induced in the Patient During Rotations in the Static Field Produced by a Hybrid MRI-LINAC System. IEEE Transactions on Biomedical Engineering, 2014, 61, 784-793.	4.2	10
104	Fibroblast proliferation alters cardiac excitation conduction and contraction: a computational study. Journal of Zhejiang University: Science B, 2014, 15, 225-242.	2.8	16
105	Improved l1-SPIRiT using 3D walsh transform-based sparsity basis. Magnetic Resonance Imaging, 2014, 32, 924-933.	1.8	6
106	Skin and proximity effects in the conductors of split gradient coils for a hybrid Linac-MRI scanner. Journal of Magnetic Resonance, 2014, 242, 86-94.	2.1	13
107	Unconventional Gradient Coil Designs in Magnetic Resonance Imaging. Critical Reviews in Biomedical Engineering, 2014, 42, 493-526.	0.9	2
108	Analysis of heart rate variability using fuzzy measure entropy. Computers in Biology and Medicine, 2013, 43, 100-108.	7.0	129

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109	The combination of self-organizing feature maps and support vector regression for solving the inverse ECG problem. <i>Computers and Mathematics With Applications</i> , 2013, 66, 1981-1990.	2.7	3
110	Fast dynamic magnetic resonance imaging based on an improved Motion Estimation/Motion Compensation scheme. , 2013, , .		4
111	Sparsity-constrained SENSE reconstruction: An efficient implementation using a fast composite splitting algorithm. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1218-1227.	1.8	17
112	Flanged-edge transverse gradient coil design for a hybrid LINAC-MRI system. <i>Journal of Magnetic Resonance</i> , 2013, 226, 70-78.	2.1	22
113	Distributed Compressed Sensing MRI Using Volume Array Coil. <i>International Journal of Distributed Sensor Networks</i> , 2013, 9, 989678.	2.2	0
114	A homogeneous superconducting magnet design using a hybrid optimization algorithm. <i>Measurement Science and Technology</i> , 2013, 24, 125402.	2.6	12
115	Improved halbach magnets by particle swarm optimization for mobile nuclear magnetic resonance systems. , 2013, , .		4
116	Marriage of CT and MRI for vulnerable plaque characterization. <i>Imaging in Medicine</i> , 2013, 5, 95-97.	0.0	1
117	A New Particle Swarm Optimization-Based Method for Phase Unwrapping of MRI Data. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-9.	1.3	9
118	Cardiovascular System Modeling. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-2.	1.3	3
119	High acceleration with a rotating radiofrequency coil array (RRFCA) in parallel magnetic resonance imaging (MRI). , 2012, 2012, 1098-101.		3
120	Design of Superconducting Shim Coils for a 400 MHz NMR Using Nonlinear Optimization Algorithm. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 4900505-4900505.	1.7	11
121	A Hybrid Model of Maximum Margin Clustering Method and Support Vector Regression for Noninvasive Electrocardiographic Imaging. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-9.	1.3	8
122	A Study of Mechanical Optimization Strategy for Cardiac Resynchronization Therapy Based on an Electromechanical Model. <i>Computational and Mathematical Methods in Medicine</i> , 2012, 2012, 1-13.	1.3	6
123	Improving SAR estimations in MRI using subject-specific models. <i>Physics in Medicine and Biology</i> , 2012, 57, 8153-8171.	3.0	27
124	Application of SVD-based sparsity in compressed sensing susceptibility weighted imaging. , 2012, , .		3
125	A Finite Difference Method for the Design of Gradient Coils in MRI-An Initial Framework. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2412-2421.	4.2	31
126	A Superconducting Magnet System for Whole-Body Metabolism Imaging. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 4400905-4400905.	1.7	34

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127	Simulation and analysis of the interactions between split gradient coils and a split magnet cryostat in an MRI-PET system. Journal of Magnetic Resonance, 2012, 222, 8-15.	2.1	10
128	Quench Protection Design of a 1.5 T Superconducting MRI Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 4703604-4703604.	1.7	17
129	Inverse field-based approach for simultaneous B1 mapping at high fields – A phantom based study. Journal of Magnetic Resonance, 2012, 217, 27-35.	2.1	8
130	Electromechanical Design and Construction of a Rotating Radio-Frequency Coil System for Applications in Magnetic Resonance. IEEE Transactions on Biomedical Engineering, 2012, 59, 1068-1075.	4.2	6
131	Advanced Three-Dimensional Tailored RF Pulse Design in Volume Selective Parallel Excitation. IEEE Transactions on Medical Imaging, 2012, 31, 997-1007.	8.9	11
132	A comparison study of different RF shields for an 8-element transceive small animal array at 9.4T. , 2011, 2011, 543-6.		0
133	A theoretical study for the inverse design of an ellipsoidal phased-array breast coil. , 2011, 2011, 539-42.		0
134	Simulation and analysis of split gradient coil performance in MRI. , 2011, 2011, 4149-52.		1
135	Compressed sensing MRI using Singular Value Decomposition based sparsity basis. , 2011, 2011, 5734-7.		8
136	Comparison of different threshold values for approximate entropy: application to investigate the heart rate variability between heart failure and healthy control groups. Physiological Measurement, 2011, 32, 167-180.	2.1	99
137	Compressed sensing MRI with singular value decomposition-based sparsity basis. Physics in Medicine and Biology, 2011, 56, 6311-6325.	3.0	57
138	An Improved Cylindrical FDTD Algorithm and Its Application to Field-Tissue Interaction Study in MRI. IEEE Transactions on Magnetics, 2011, 47, 466-470.	2.1	13
139	A Hybrid Field-Harmonics Approach for Passive Shimming Design in MRI. IEEE Transactions on Applied Superconductivity, 2011, 21, 60-67.	1.7	33
140	GPU-Accelerated FDTD Modeling of Radio-Frequency Field-Tissue Interactions in High-Field MRI. IEEE Transactions on Biomedical Engineering, 2011, 58, 1789-1796.	4.2	34
141	Characterization and reduction of X-gradient induced eddy currents in a NdFeB magnetic resonance imaging magnet – 3D finite element method-based numerical studies. Concepts in Magnetic Resonance Part B, 2011, 39B, 47-58.	0.7	3
142	Finite element analysis of gradient z-coil induced eddy currents in a permanent MRI magnet. Journal of Magnetic Resonance, 2011, 208, 148-155.	2.1	13
143	On epicardial potential reconstruction using regularization schemes with the L1-norm data term. Physics in Medicine and Biology, 2011, 56, 57-72.	3.0	26
144	Optimized Slab Selective Parallel RF Excitation at Ultra High Field. , 2011, , .		0

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145	The optimization of an 8-channel transceive volume array for small animal MRI at 9.4T. , 2011, 2011, 2833-6.		0
146	Using Additional Dielectric Material to Improve the RF Uniformity in Traveling-Wave MRI. , 2011, , .		0
147	Application of kernel principal component analysis and support vector regression for reconstruction of cardiac transmembrane potentials. Physics in Medicine and Biology, 2011, 56, 1727-1742.	3.0	13
148	A MOM/FEM-based coil sensitivity mapping method for high-field parallel MRI. , 2011, 2011, 2837-40.		1
149	Regularized Least Squares Estimating Sensitivity for Self-calibrating Parallel Imaging. Journal of Computers, 2011, 6, .	0.4	3
150	MRI Coil Design Using Boundary-Element Method With Regularization Technique: A Numerical Calculation Study. IEEE Transactions on Magnetics, 2010, 46, 1052-1059.	2.1	43
151	An electromagnetic reverse method of coil sensitivity mapping for parallel MRI “ Theoretical framework. Journal of Magnetic Resonance, 2010, 207, 59-68.	2.1	25
152	Investigating the adsorption mechanism of Bovine Serum Albumin on crystal surface by steering atomic force microscopy. , 2010, , .		0
153	An improved cylindrical FDTD method and its application to field-tissue interaction study in MRI. , 2010, 2010, 3154-7.		0
154	Comparison and analysis of nonlinear algorithms for compressed sensing in MRI. , 2010, 2010, 5661-4.		3
155	In situ Atomic Force Microscope observation of self-assembly adsorption of Bovine Serum Albumin on silica and gold nano film. , 2010, , .		0
156	Estimating the Coil Sensitivity Maps from the Surface Images in Parallel Imaging. , 2010, , .		0
157	The molecular mechanism of the nature/denature for glucose oxidase adsorbed on SWCNTs. , 2010, , .		0
158	A Finite-Difference Method for the Design of Biplanar Transverse Gradient Coil in MRI. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	1
159	A Method for Estimating the Coil Sensitivity Maps from the Surface Images in Parallel Imaging. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
160	Self-calibrating Coil Sensitivity Profiles for Parallel Imaging Based on Anisotropic Diffusion. Journal of Multimedia, 2010, 5, .	0.3	1
161	Mechanical analysis of congestive heart failure caused by bundle branch block based on an electromechanical canine heart model. Physics in Medicine and Biology, 2009, 54, 353-371.	3.0	9
162	Effect of Cardiac Motion on Solution of the Electrocardiography Inverse Problem. IEEE Transactions on Biomedical Engineering, 2009, 56, 923-931.	4.2	15

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163	Solving the ECG Forward Problem by Means of Standard h- and h-Hierarchical Adaptive Linear Boundary Element Method: Comparison With Two Refinement Schemes. IEEE Transactions on Biomedical Engineering, 2009, 56, 1454-1464.	4.2	8
164	Reverse-engineering of gradient coil designs based on experimentally measured magnetic fields and approximate knowledge of coil geometry—application in exposure evaluations. Concepts in Magnetic Resonance Part B, 2009, 35B, 32-43.	0.7	8
165	Inverse design of a phased-array coil for breast magnetic resonance imaging. Concepts in Magnetic Resonance Part B, 2009, 35B, 221-231.	0.7	8
166	Hybrid numerical techniques for the modelling of radiofrequency coils in MRI. NMR in Biomedicine, 2009, 22, 937-951.	2.8	29
167	The application of subspace preconditioned LSQR algorithm for solving the electrocardiography inverse problem. Medical Engineering and Physics, 2009, 31, 979-985.	1.7	9
168	Molecular mechanism for conformation mobility of the active center of glucose oxidase adsorbed on single wall carbon nanotubes. , 2009, 2009, 2739-43.		1
169	Equivalent Magnetization Current Method Applied to the Design of Gradient Coils for Magnetic Resonance Imaging. IEEE Transactions on Magnetics, 2009, 45, 767-775.	2.1	50
170	Truncated Total Least Squares: A New Regularization Method for the Solution of ECG Inverse Problems. IEEE Transactions on Biomedical Engineering, 2008, 55, 1327-1335.	4.2	53
171	An Improved Quasi-Static Finite-Difference Scheme for Induced Field Evaluation Based on the Biconjugate Gradient Method. IEEE Transactions on Biomedical Engineering, 2008, 55, 1800-1808.	4.2	5
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