Feng Liu

List of Publications by Year
in descending order

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218	3,041	186265	265206
papers	citations	28 h-index	42 g-index

218	218	218	2286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of heart rate variability using fuzzy measure entropy. Computers in Biology and Medicine, 2013, 43, 100-108.	7.0	129
2	Comparison of different threshold valuesrfor 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
3	Electromagnetic fields inside a lossy, multilayered spherical head phantom excited by MRI coils: models and methods. Physics in Medicine and Biology, 2004, 49, 1835-1851.	3.0	82
4	On the induced electric field gradients in the human body for magnetic stimulation by gradient coils in MRI. IEEE Transactions on Biomedical Engineering, 2003, 50, 804-815.	4.2	71
5	Determination of Sample Entropy and Fuzzy Measure Entropy Parameters for Distinguishing Congestive Heart Failure from Normal Sinus Rhythm Subjects. Entropy, 2015, 17, 6270-6288.	2.2	68
6	Calculation of electric fields induced by body and head motion in high-field MRI. Journal of Magnetic Resonance, 2003, 161, 99-107.	2.1	61
7	Compressed sensing MRI with singular value decomposition-based sparsity basis. Physics in Medicine and Biology, 2011, 56, 6311-6325.	3.0	57
8	Multidimensional Compressed Sensing MRI Using Tensor Decomposition-Based Sparsifying Transform. PLoS ONE, 2014, 9, e98441.	2.5	57
9	Numerical evaluation of the fields induced by body motion in or near high-field MRI scanners. Progress in Biophysics and Molecular Biology, 2005, 87, 267-278.	2.9	54
10	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
11	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
12	Analysis of cardiac ventricular wall motion based on a three-dimensional electromechanical biventricular model. Physics in Medicine and Biology, 2005, 50, 1901-1917.	3.0	48
13	Numerical study of currents in workers induced by body-motion around high-ultrahigh field MRI magnets. Journal of Magnetic Resonance Imaging, 2007, 26, 1261-1277.	3.4	44
14	Finite-difference time-domain-based studies of MRI pulsed field gradient-induced eddy currents inside the human body. Concepts in Magnetic Resonance, 2002, 15, 26-36.	1.3	43
15	Focused, eight-element transceive phased array coil for parallel magnetic resonance imaging of the chestâ€”Theoretical considerations. Magnetic Resonance in Medicine, 2005, 53, 1251-1257.	3.0	43
16	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
17	Finite difference time domain (FDTD) method for modeling the effect of switched gradients on the human body in MRI. Magnetic Resonance in Medicine, 2002, 48, 1037-1042.	3.0	41
18	Passive Shim Design and a Shimming Approach for Biplanar Permanent Magnetic Resonance Imaging Magnets. IEEE Transactions on Magnetics, 2008, 44, 394-402.	2.1	40

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19	An FDTD Model for Calculation of Gradient-Induced Eddy Currents in MRI System. IEEE Transactions on Applied Superconductivity, 2004, 14, 1983-1989.	1.7	39
20	Numerical modeling of 11.1T MRI of a human head using a MoM/FDTD method. Concepts in Magnetic Resonance Part B, 2005, 24B, 28-38.	0.7	38
21	Analysis of Transient Eddy Currents in MRI Using a Cylindrical FDTD Method. IEEE Transactions on Applied Superconductivity, 2006, 16, 1924-1936.	1.7	35
22	Exposure of workers to pulsed gradients in MRI. Journal of Magnetic Resonance Imaging, 2007, 26, 1236-1254.	3.4	35
23	Transient temperature rise in a mouse due to low-frequency regional hyperthermia. Physics in Medicine and Biology, 2006, 51, 1673-1691.	3.0	34
24	GPU-Accelerated FDTD Modeling of Radio-Frequency Fieldâ€“Tissue Interactions in High-Field MRI. IEEE Transactions on Biomedical Engineering, 2011, 58, 1789-1796.	4.2	34
25	A Superconducting Magnet System for Whole-Body Metabolism Imaging. IEEE Transactions on Applied Superconductivity, 2012, 22, 4400905-4400905.	1.7	34
26	A Hybrid Field-Harmonics Approach for Passive Shimming Design in MRI. IEEE Transactions on Applied Superconductivity, 2011, 21, 60-67.	1.7	33
27	A Finite Difference Method for the Design of Gradient Coils in MRIâ€”An Initial Framework. IEEE Transactions on Biomedical Engineering, 2012, 59, 2412-2421.	4.2	31
28	Design of Highly Uniform Three Dimensional Spherical Magnetic Field Coils for Atomic Sensors. IEEE Sensors Journal, 2020, 20, 11229-11236.	4.7	30
29	Hybrid numerical techniques for the modelling of radiofrequency coils in MRI. NMR in Biomedicine, 2009, 22, 937-951.	2.8	29
30	Compressed Sensing MRI via Two-stage Reconstruction. IEEE Transactions on Biomedical Engineering, 2015, 62, 110-118.	4.2	28
31	A framework combining window width-level adjustment and Gaussian filter-based multi-resolution for automatic whole heart segmentation. Neurocomputing, 2017, 220, 138-150.	5.9	28
32	Improving SAR estimations in MRI using subject-specific models. Physics in Medicine and Biology, 2012, 57, 8153-8171.	3.0	27
33	Numerical modelling of thermal effects in rats due to high-field magnetic resonance imaging (0.5â€“1) Tj ETQq1 1 0.784314 rgBT /Ove	3.0	26
34	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
35	Quantitative analysis of the reconstruction errors of the currently popular algorithm of magnetic resonance electrical property tomography at the interfaces of adjacent tissues. NMR in Biomedicine, 2016, 29, 744-750.	2.8	26
36	An electromagnetic reverse method of coil sensitivity mapping for parallel MRI â€“ Theoretical framework. Journal of Magnetic Resonance, 2010, 207, 59-68.	2.1	25

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37	xQSM: quantitative susceptibility mapping with octave convolutional and noiseâ€regularized neural networks. NMR in Biomedicine, 2021, 34, e4461.	2.8	25
38	Simulation of Brugada syndrome using cellular and three-dimensional whole-heart modeling approaches. Physiological Measurement, 2006, 27, 1125-1142.	2.1	23
39	Integrating model- and data-driven methods for synchronous adaptive multi-band image fusion. Information Fusion, 2020, 54, 145-160.	19.1	23
40	Longitudinal gradient coil optimization in the presence of transient eddy currents. Magnetic Resonance in Medicine, 2007, 57, 1119-1130.	3.0	22
41	Flanged-edge transverse gradient coil design for a hybrid LINACâ€“MRI system. Journal of Magnetic Resonance, 2013, 226, 70-78.	2.1	22
42	Spiral Gradient Coil Design for Use in Cylindrical MRI Systems. IEEE Transactions on Biomedical Engineering, 2018, 65, 911-920.	4.2	22
43	Recurrence Plot-Based Approach for Cardiac Arrhythmia Classification Using Inception-ResNet-v2. Frontiers in Physiology, 2021, 12, 648950.	2.8	22
44	Progress of ultra-high-field superconducting magnets in China. Superconductor Science and Technology, 2022, 35, 023001.	3.5	22
45	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
46	Pseudo-Polar Fourier Transform-Based Compressed Sensing MRI. IEEE Transactions on Biomedical Engineering, 2017, 64, 816-825.	4.2	20
47	Deformation-Space Method for the Design of Biplanar Transverse Gradient Coils in Open MRI Systems. IEEE Transactions on Magnetics, 2008, 44, 2035-2041.	2.1	18
48	A largeâ€scale measurement of dielectric properties of normal and malignant colorectal tissues obtained from cancer surgeries at Larmor frequencies. Medical Physics, 2016, 43, 5991-5997.	3.0	18
49	A distributed equivalent magnetic current based FDTD method for the calculation of E-fields induced by gradient coils. Journal of Magnetic Resonance, 2004, 169, 323-327.	2.1	17
50	Quench Protection Design of a 1.5 T Superconducting MRI Magnet. IEEE Transactions on Applied Superconductivity, 2012, 22, 4703604-4703604.	1.7	17
51	Sparsity-constrained SENSE reconstruction: An efficient implementation using a fast composite splitting algorithm. Magnetic Resonance Imaging, 2013, 31, 1218-1227.	1.8	17
52	An improved asymmetric gradient coil design for high-resolution MRI head imaging. Physics in Medicine and Biology, 2016, 61, 8875-8889.	3.0	17
53	Insert magnet and shim coils design for a 27 T nuclear magnetic resonance spectrometer with hybrid high and low temperature superconductors. Superconductor Science and Technology, 2020, 33, 064004.	3.5	17
54	High-Field Magnetic Resonance Imaging With Reduced Field/Tissue RF Artefactsâ€”A Modeling Study Using Hybrid MoM/FEM and FDTD Technique. IEEE Transactions on Electromagnetic Compatibility, 2006, 48, 628-633.	2.2	16

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55	Conformational Mobility of GOx Coenzyme Complex on Single-Wall Carbon Nanotubes. Sensors, 2008, 8, 8453-8462.	3.8	16
56	Fibroblast proliferation alters cardiac excitation conduction and contraction: a computational study. Journal of Zhejiang University: Science B, 2014, 15, 225-242.	2.8	16
57	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
58	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
59	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
60	Effect of Cardiac Motion on Solution of the Electrocardiography Inverse Problem. IEEE Transactions on Biomedical Engineering, 2009, 56, 923-931.	4.2	15
61	Aliasing Artefact Suppression in Compressed Sensing MRI for Random Phase-Encode Undersampling. IEEE Transactions on Biomedical Engineering, 2015, 62, 2215-2223.	4.2	15
62	Passive shimming of a superconducting magnet using the L1-norm regularized least square algorithm. Journal of Magnetic Resonance, 2016, 263, 122-125.	2.1	15
63	Smart Wearables in Healthcare: Signal Processing, Device Development, and Clinical Applications. Journal of Healthcare Engineering, 2018, 2018, 1-2.	1.9	15
64	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
65	A high definition, finite difference time domain method. Applied Mathematical Modelling, 2003, 27, 409-419.	4.2	14
66	Two hybrid regularization frameworks for solving the electrocardiography inverse problem. Physics in Medicine and Biology, 2008, 53, 5151-5164.	3.0	14
67	Acoustic analysis for a split <scp>MRI</scp> system using FE method. Concepts in Magnetic Resonance Part B, 2015, 45, 85-96.	0.7	14
68	Efficient sleep classification based on entropy features and a support vector machine classifier. Physiological Measurement, 2018, 39, 115005.	2.1	14
69	Electrocardiogram Reconstruction Based on Compressed Sensing. IEEE Access, 2019, 7, 37228-37237.	4.2	14
70	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
71	Influence of magnetically-induced E-fields on cardiac electric activity during MRI: A modeling study. Magnetic Resonance in Medicine, 2003, 50, 1180-1188.	3.0	13
72	An Inverse Methodology for High-Frequency RF Coil Design for MRI With De-emphasized<tex>$B _1$</tex>Fields. IEEE Transactions on Biomedical Engineering, 2005, 52, 1582-1587.	4.2	13

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73	A theoretical comparison of two optimization methods for radiofrequency drive schemes in high frequency MRI resonators. Physics in Medicine and Biology, 2005, 50, 5281-5291.	3.0	13
74	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
75	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
76	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
77	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
78	Asymmetric gradient coil design for use in a short, open bore magnetic resonance imaging scanner. Journal of Magnetic Resonance, 2016, 269, 203-212.	2.1	13
79	Changes of the postcentral cortex in irritable bowel syndrome patients. Brain Imaging and Behavior, 2020, 14, 1566-1576.	2.1	13
80	A Simple Relationship for High Efficiencyâ€“Gradient Uniformity Tradeoff in Multilayer Asymmetric Gradient Coils for Magnetic Resonance Imaging. IEEE Transactions on Magnetics, 2007, 43, 523-532.	2.1	12
81	A homogeneous superconducting magnet design using a hybrid optimization algorithm. Measurement Science and Technology, 2013, 24, 125402.	2.6	12
82	Simulation study of noise reduction methods for a split MRI system using a finite element method. Medical Physics, 2015, 42, 7122-7131.	3.0	12
83	An improved nonâ€Cartesian partially parallel imaging by exploiting artificial sparsity. Magnetic Resonance in Medicine, 2017, 78, 271-279.	3.0	12
84	MR-based electrical property tomography using a modified finite difference scheme. Physics in Medicine and Biology, 2018, 63, 145013.	3.0	12
85	Bipolar measurement matrix using chaotic sequence. Communications in Nonlinear Science and Numerical Simulation, 2019, 72, 139-151.	3.3	12
86	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
87	Instant tissue field and magnetic susceptibility mapping from MRI raw phase using Laplacian enhanced deep neural networks. NeuroImage, 2022, 259, 119410.	4.2	12
88	Multiple-acquisition parallel imaging combined with a transceive array for the amelioration of high-field RF distortion: A modeling study. Concepts in Magnetic Resonance Part B, 2006, 29B, 95-105.	0.7	11
89	An MRI-dedicated parallel FDTD scheme. Concepts in Magnetic Resonance Part B, 2007, 31B, 147-161.	0.7	11
90	Design of Superconducting Shim Coils for a 400 MHz NMR Using Nonlinear Optimization Algorithm. IEEE Transactions on Applied Superconductivity, 2012, 22, 4900505-4900505.	1.7	11

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91	Advanced Three-Dimensional Tailored RF Pulse Design in Volume Selective Parallel Excitation. IEEE Transactions on Medical Imaging, 2012, 31, 997-1007.	8.9	11
92	A numerical study of the acoustic radiation due to eddy current-cryostat interactions. Medical Physics, 2017, 44, 2196-2206.	3.0	11
93	Geometric distortion characterization and correction for the 1.0ÂT Australian MRIâ€linac system using an inverse electromagnetic method. Medical Physics, 2020, 47, 1126-1138.	3.0	11
94	Analysis of the Influence of the Electrical Asynchrony on Regional Mechanics of the Infarcted Left Ventricle Using Electromechanical Heart Models.. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2003, 46, 1-9.	0.4	10
95	Effect of cardiac motion on body surface electrocardiographic potentials: an MRI-based simulation study. Physics in Medicine and Biology, 2006, 51, 3405-3418.	3.0	10
96	An efficient impedance method for induced field evaluation based on a stabilized Bi-conjugate gradient algorithm. Physics in Medicine and Biology, 2008, 53, 6363-6375.	3.0	10
97	Simulation and analysis of the interactions between split gradient coils and a split magnet cryostat in an MRIâ€“PET system. Journal of Magnetic Resonance, 2012, 222, 8-15.	2.1	10
98	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
99	Intra-coil interactions in split gradient coils in a hybrid MRIâ€“LINAC system. Journal of Magnetic Resonance, 2016, 265, 52-58.	2.1	10
100	A comparison of different choices for the regularization parameter in inverse electrocardiography models. , 2006, 2006, 3903-6.		9
101	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
102	The application of subspace preconditioned LSQR algorithm for solving the electrocardiography inverse problem. Medical Engineering and Physics, 2009, 31, 979-985.	1.7	9
103	A New Particle Swarm Optimization-Based Method for Phase Unwrapping of MRI Data. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-9.	1.3	9
104	Design of transverse head gradient coils using a layer-sharing scheme. Journal of Magnetic Resonance, 2017, 278, 88-95.	2.1	9
105	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
106	Constrained Backtracking Matching Pursuit Algorithm for Image Reconstruction in Compressed Sensing. Applied Sciences (Switzerland), 2021, 11, 1435.	2.5	9
107	Actively-shielded ultrahigh field MRI/NMR superconducting magnet design. Superconductor Science and Technology, 2022, 35, 014001.	3.5	9
108	Forward and Inverse Solutions of Electrocardiography Problem Using an Adaptive BEM Method. , 2007, , 290-299.		8

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109	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
110	Reverseâ€engineering of gradient coil designs based on experimentally measured magnetic fields and approximate knowledge of coil geometryâ€application in exposure evaluations. Concepts in Magnetic Resonance Part B, 2009, 35B, 32-43.	0.7	8
111	Inverse design of a phasedâ€array coil for breast magnetic resonance imaging. Concepts in Magnetic Resonance Part B, 2009, 35B, 221-231.	0.7	8
112	Compressed sensing MRI using Singular Value Decomposition based sparsity basis. , 2011, 2011, 5734-7.		8
113	A Hybrid Model of Maximum Margin Clustering Method and Support Vector Regression for Noninvasive Electrocardiographic Imaging. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-9.	1.3	8
114	Inverse field-based approach for simultaneous B1 mapping at high fields â€“ A phantom based study. Journal of Magnetic Resonance, 2012, 217, 27-35.	2.1	8
115	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
116	The Design of Decoupled Even-Order Zonal Superconducting Shim Coils for a 9.4 T Whole-Body MRI. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-8.	1.7	8
117	A Novel Design Method of Independent Zonal Superconducting Shim Coil. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-8.	1.7	8
118	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
119	Electromagnetic design of a 1.5T open MRI superconducting magnet. Physica C: Superconductivity and Its Applications, 2020, 570, 1353602.	1.2	8
120	Deep unregistered multi-contrast MRI reconstruction. Magnetic Resonance Imaging, 2021, 81, 33-41.	1.8	8
121	Accelerating quantitative susceptibility and R2* mapping using incoherent undersampling and deep neural network reconstruction. NeuroImage, 2021, 240, 118404.	4.2	8
122	Mitigation of Intra-coil Eddy Currents in Split Gradient Coils in a Hybrid MRI-LINAC System. IEEE Transactions on Biomedical Engineering, 2016, 64, 1-1.	4.2	7
123	Technical Note: Sequential combination of parallel imaging and dynamic artificial sparsity framework for rapid freeâ€breathing goldenâ€angle radial dynamic MRI: Kâ€T ARTSâ€GROWL. Medical Physics, 2018, 45, 202-213.	3.0	7
124	Age-related network topological difference based on the sleep ECG signal. Physiological Measurement, 2018, 39, 084009.	2.1	7
125	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
126	The Optimal Target Magnetic Field Method for Passive Shimming in MRI. Journal of Superconductivity and Novel Magnetism, 2020, 33, 867-875.	1.8	7

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127	Universal Undersampled MRI Reconstruction. Lecture Notes in Computer Science, 2021, , 211-221.	1.3	7
128	A Study of Mechanical Optimization Strategy for Cardiac Resynchronization Therapy Based on an Electromechanical Model. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-13.	1.3	6
129	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
130	Sparse-Representation-Based Direct MinimumLp-Norm Algorithm for MRI Phase Unwrapping. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-11.	1.3	6
131	Improved l1-SPIRiT using 3D walsh transform-based sparsity basis. Magnetic Resonance Imaging, 2014, 32, 924-933.	1.8	6
132	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
133	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
134	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
135	Divergence-Based Magnetic Resonance Electrical Properties Tomography. IEEE Transactions on Biomedical Engineering, 2021, 68, 192-203.	4.2	6
136	Comparison of Four Recovery Algorithms Used in Compressed Sensing for ECG Signal Processing. , 0, , .		6
137	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
138	A ultra high field multi-element transceive volume array for small animal MRI. , 2008, 2008, 2039-42.		5
139	Parallel Solvers for Finite-Difference Modeling of Large-Scale, High-Resolution Electromagnetic Problems in MRI. International Journal of Antennas and Propagation, 2008, 2008, 1-12.	1.2	5
140	Online dynamic magnetic resonance imaging based on an improved motion prediction scheme. , 2014, , .		5
141	Image registration guided, sparsity constrained reconstructions for dynamic MRI. Magnetic Resonance Imaging, 2014, 32, 1403-1417.	1.8	5
142	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
143	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
144	Radial magnetic resonance imaging (MRI) using a rotating radiofrequency (RF) coil at 9.4ÂT. NMR in Biomedicine, 2018, 31, e3860.	2.8	5

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145	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
146	A cone-shaped gradient coil design for high-resolution MRI head imaging. Physics in Medicine and Biology, 2019, 64, 085003.	3.0	5
147	Statistical analysis of the accuracy of water contentâ€based electrical properties tomography. NMR in Biomedicine, 2020, 33, e4273.	2.8	5
148	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
149	An Electrical Heart Model Incorporating Real Geometry and Motion. , 2005, 2006, 345-8.		4
150	A Fast Parallel Imaging Rotary Phased Array Head Coil with Improved Sensitivity Profile Deep in the Center of the Brain. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 504-7.	0.5	4
151	On the Accurate Modeling of a Complex Antenna for Breast Tumor Detection Using a Hybrid MOM/FDTD Approach. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6637-40.	0.5	4
152	Fast dynamic magnetic resonance imaging based on an improved Motion Estimation/Motion Compensation scheme. , 2013, , .		4
153	Improved halbach magnets by particle swarm optimization for mobile nuclear magnetic resonance systems. , 2013, , .		4
154	Dynamic updating atlas for heart segmentation with a nonlinear fieldâ€based model. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1785.	2.3	4
155	Chaotic Binary Sensing Matrices. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950121.	1.7	4
156	Integral MR-EPT With the Calculation of Coil Current Distributions. IEEE Transactions on Medical Imaging, 2020, 39, 175-187.	8.9	4
157	Actively-Shielded Superconducting Magnet Design of a Large-Bore 7 T Animal MRI Scanner. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-4.	1.7	4
158	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
159	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
160	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
161	Optimizing multicontrast MRI reconstruction with shareable feature aggregation and selection. NMR in Biomedicine, 2021, 34, e4540.	2.8	4
162	Comparison and analysis of nonlinear algorithms for compressed sensing in MRI. , 2010, 2010, 5661-4.		3

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163	Characterization and reduction of Xâ€gradient induced eddy currents in a NdFeB magnetic resonance imaging magnetâ€3D finite element methodâ€based numerical studies. Concepts in Magnetic Resonance Part B, 2011, 39B, 47-58.	0.7	3
164	Cardiovascular System Modeling. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-2.	1.3	3
165	Hign acceleration with a rotating radiofrequency coil array (RRFCA) in parallel magnetic resonance imaging (MRI). , 2012, 2012, 1098-101.		3
166	Application of SVD-based sparsity in compressed sensing susceptibility weighted imaging. , 2012, , .		3
167	The combination of self-organizing feature maps and support vector regression for solving the inverse ECG problem. Computers and Mathematics With Applications, 2013, 66, 1981-1990.	2.7	3
168	GPU accelerated high-dimensional compressed sensing MRI. , 2014, , .		3
169	Simulation of multi-probe radiofrequency ablation guided by optical surgery navigation system under different active modes. Computer Assisted Surgery, 2016, 21, 107-116.	1.3	3
170	Numerical assessment of the reduction of specific absorption rate by adding high dielectric materials for fetus MRI at 3 T. Biomedizinische Technik, 2016, 61, 455-461.	0.8	3
171	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
172	Highly Shielded Gradient Coil Design for a Superconducting Planar MRI System. IEEE Transactions on Biomedical Engineering, 2020, 67, 1-1.	4.2	3
173	Compressed Sensing-Based Simultaneous Recovery of Magnitude and Phase MR Images via Dual Trigonometric Sparsity. IEEE Access, 2021, 9, 38001-38009.	4.2	3
174	ReUINet: A fast GNL distortion correction approach on a 1.0ÂT MRIâ€Linac scanner. Medical Physics, 2021, 48, 2991-3002.	3.0	3
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