

The Virtual Familyâ€™ development of surface-based anatomical models for two children for dosimetric simulations

Physics in Medicine and Biology

55, N23-N38

DOI: [10.1088/0031-9155/55/2/n01](https://doi.org/10.1088/0031-9155/55/2/n01)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Efficiency enhancement in avalanche diodes by depletion-region-width modulation. Electronics Letters, 1974, 10, 435.	0.5	17
3	Dynamic Measurement of Capacitance Variation of Piezoelectric Ceramics with Stress. Japanese Journal of Applied Physics, 1995, 34, 1591-1594.	0.8	3
4	Work probability distribution in single-molecule experiments. Europhysics Letters, 2005, 69, 643-649.	0.7	32
5	Power System Restoration The Second Task Force Report. , 2009, , .		0
6	No effects of mobile phone electromagnetic field on auditory brainstem response. Bioelectromagnetics, 2010, 31, 48-55.	0.9	16
7	An eight-channel transmit/receive multipurpose coil for musculoskeletal MR imaging at 7 T. Medical Physics, 2010, 37, 6368-6376.	1.6	15
8	Improved numerical modelling of heat transfer in human tissue exposed to RF energy. Australasian Physical and Engineering Sciences in Medicine, 2010, 33, 307-317.	1.4	8
9	Impact of pinna compression on the RF absorption in the heads of adult and juvenile cell phone users. Bioelectromagnetics, 2010, 31, 406-412.	0.9	153
10	RF excitation using time interleaved acquisition of modes (TIAMO) to address inhomogeneity in high-field MRI. Magnetic Resonance in Medicine, 2010, 64, 327-333.	1.9	115
11	Correlation between peak spatial-average SAR and maximum temperature elevation in layered cubical model in the frequency range above 3 GHz. , 2010, , .		0
12	Full human body exposure assessment in low frequency electromagnetic fields. , 2010, , .		1
13	Patient-specific radiation dose and cancer risk estimation in CT: Part II. Application to patients. Medical Physics, 2011, 38, 408-419.	1.6	136
14	Age-dependent tissue-specific exposure of cell phone users. Physics in Medicine and Biology, 2010, 55, 1767-1783.	1.6	304
15	Ultra-Wideband Sensors for Improved Magnetic Resonance Imaging, Cardiovascular Monitoring and Tumour Diagnostics. Sensors, 2010, 10, 10778-10802.	2.1	23
16	Comparison of SAR and induced current densities in adults and children exposed to electromagnetic fields from electronic article surveillance devices. Physics in Medicine and Biology, 2010, 55, 1041-1055.	1.6	14
17	Development and validation of a magneto-hydrodynamic solver for blood flow analysis. Physics in Medicine and Biology, 2010, 55, 7253-7261.	1.6	11
18	The influence of the reflective environment on the absorption of a human male exposed to representative base station antennas from 300 MHz to 5 GHz. Physics in Medicine and Biology, 2010, 55, 5541-5555.	1.6	16
19	Fast cardiac CT simulation using a graphics processing unit-accelerated Monte Carlo code. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
20	SAR variation study from 300 to 5000 MHz for 15 voxel models including different postures. Physics in Medicine and Biology, 2010, 55, 1157-1176.	1.6	64
21	Assessment of induced SAR in children exposed to electromagnetic plane waves between 10 MHz and 5.6 GHz. Physics in Medicine and Biology, 2010, 55, 3115-3130.	1.6	77
22	A human exposure modelling method for HF transmitter sites. , 2010, , .		1
23	Comparison of SAR calculation algorithms for the finite-difference time-domain method. Physics in Medicine and Biology, 2010, 55, N421-N431.	1.6	21
24	User's hand effect on the Specific Absorption Rate in the head. , 2011, , .		1
25	Truncated multigrid versus pre-corrected FFT/AIM for bioelectromagnetics: When is O(N) better than O(NlogN)?. , 2011, , .		15
26	Uncertainty propagation in the SAR induced in the head using polynomial chaos decomposition. , 2011, , .		4
27	In-mouth antenna for tongue controlled wireless devices: Characteristics and link-loss. , 2011, 2011, 5598-601.		12
28	Highly adaptive RF excitation scheme based on conformal resonant CRLH metamaterial ring antennas for 7-Tesla traveling-wave magnetic resonance imaging. , 2011, 2011, 554-8.		6
29	A statistical analysis of the influence of the human body on the radiation pattern of wearable antennas. , 2011, , .		16
30	Modelling of the acoustic field of a multi-element HIFU array scattered by human ribs. Physics in Medicine and Biology, 2011, 56, 5553-5581.	1.6	30
31	Children and adults exposed to electromagnetic fields at the ICNIRP reference levels: theoretical assessment of the induced peak temperature increase. Physics in Medicine and Biology, 2011, 56, 4967-4989.	1.6	46
32	Pre- and post-natal exposure of children to EMF generated by domestic induction cookers. Physics in Medicine and Biology, 2011, 56, 6149-6160.	1.6	40
33	Local specific absorption rate control for parallel transmission by virtual observation points. Magnetic Resonance in Medicine, 2011, 66, 1468-1476.	1.9	204
34	Wireless Telemetry for Implantable Biomedical Microsystems. , 0, , .		19
35	Fast Simulation of Radiographic Images Using a Monte Carlo X-Ray Transport Algorithm Implemented in CUDA. , 2011, , 813-829.		3
36	CALCULATION OF WHOLE-BODY SAR FROM A 100 MHZ DIPOLE ANTENNA. Progress in Electromagnetics Research, 2011, 119, 133-153.	1.6	31
37	A Transmit/Receive Radiofrequency Array for Imaging the Carotid Arteries at 7 Tesla. Investigative Radiology, 2011, 46, 246-254.	3.5	18

#	ARTICLE	IF	CITATIONS
38	Dynamic Contrast-Enhanced Renal MRI at 7 Tesla. <i>Investigative Radiology</i> , 2011, 46, 425-433.	3.5	37
39	A Numeric Model to Simulate Solar Individual Ultraviolet Exposure. <i>Photochemistry and Photobiology</i> , 2011, 87, 721-728.	1.3	33
40	In silico imaging: Definition, possibilities and challenges. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 648, S276-S280.	0.7	6
41	Thermal effects of mobile phone RF fields on children: A provocation study. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 107, 399-403.	1.4	19
42	Local SAR enhancements in anatomically correct children and adult models as a function of position within 1.5ÂT MR body coil. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 107, 428-433.	1.4	40
43	Numerical dosimetry dedicated to children RF exposure. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 107, 421-427.	1.4	26
44	Evaluation and characterization of fetal exposures to low frequency magnetic fields generated by laptop computers. <i>Progress in Biophysics and Molecular Biology</i> , 2011, 107, 456-463.	1.4	13
45	Time-Multiplexed Beamforming for Noninvasive Microwave Hyperthermia Treatment. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1574-1584.	2.5	47
46	Transcranial Direct Current Stimulation: Estimation of the Electric Field and of the Current Density in an Anatomical Human Head Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1773-1780.	2.5	109
47	Estimation Formulas for the Specific Absorption Rate in Humans Exposed to Base-Station Antennas. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2011, 53, 909-922.	1.4	30
48	Domain Decomposition for Computing Extremely Low Frequency Induced Current in the Human Body. <i>IEEE Transactions on Magnetics</i> , 2011, 47, 886-889.	1.2	1
49	Renal imaging at 7 Tesla: preliminary results. <i>European Radiology</i> , 2011, 21, 841-849.	2.3	27
50	A surrogate model to assess the whole body SAR induced by multiple plane waves at 2.4ÂGHz. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2011, 66, 419-428.	1.6	14
51	Design and application of a four-channel transmit/receive surface coil for functional cardiac imaging at 7T. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 736-741.	1.9	50
52	Calculation of radiofrequency electromagnetic fields and their effects in MRI of human subjects. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1470-1482.	1.9	110
53	Toward individualized SAR models and in vivo validation. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1767-1776.	1.9	88
54	Exposure assessment in front of a multi-band base station antenna. <i>Bioelectromagnetics</i> , 2011, 32, 234-242.	0.9	9
55	Computational exposure assessment of electromagnetic fields generated by an RFID system for mother-newborn identity reconfirmation. <i>Bioelectromagnetics</i> , 2011, 32, 408-416.	0.9	9

#	ARTICLE	IF	CITATIONS
56	Estimation of head tissue-specific exposure from mobile phones based on measurements in the homogeneous SAM head. <i>Bioelectromagnetics</i> , 2011, 32, 493-505.	0.9	14
57	Analysis of the local worst-case SAR exposure caused by an MRI multi-transmit body coil in anatomical models of the human body. <i>Physics in Medicine and Biology</i> , 2011, 56, 4649-4659.	1.6	34
58	A comparison of induced electric fields in child and adult head models by transcranial magnetic stimulation. , 2011, , .		2
59	MRI safety assessment of a generic deep brain stimulator. , 2011, , .		1
60	A European initiative to develop procedures and instrumentation for worker's electromagnetic safety (WEMS). , 2011, , .		0
61	Energy deposition in the breast during CT scanning: quantification and implications for dose reduction. , 2011, , .		1
62	Novel methodology to characterize electromagnetic exposure of the brain. <i>Physics in Medicine and Biology</i> , 2011, 56, 383-396.	1.6	8
63	Variations in calculated whole body SAR for different ground coupling models. , 2011, , .		1
64	Implantable cardioverter-defibrillators exposed to low frequency magnetic fields. , 2011, , .		0
65	An electric field induced in the retina and brain at threshold magnetic flux density causing magnetophosphenes. <i>Physics in Medicine and Biology</i> , 2011, 56, 4091-4101.	1.6	38
66	Computational high-resolution heart phantoms for medical imaging and dosimetry simulations. <i>Physics in Medicine and Biology</i> , 2011, 56, 5845-5864.	1.6	13
67	GSM Mobile Phone Radiation Suppresses Brain Glucose Metabolism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 2293-2301.	2.4	33
68	Chinese adult anatomical models and the application in evaluation of RF exposures. <i>Physics in Medicine and Biology</i> , 2011, 56, 2075-2089.	1.6	53
69	Subcutaneous implanted antennas: interaction with biological tissues. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2012, 31, 1154-1163.	0.5	0
70	Children and adults exposed to low-frequency magnetic fields at the ICNIRP reference levels: theoretical assessment of the induced electric fields. <i>Physics in Medicine and Biology</i> , 2012, 57, 1815-1829.	1.6	55
71	The optimization of acoustic fields for ablative therapies of tumours in the upper abdomen. <i>Physics in Medicine and Biology</i> , 2012, 57, 8471-8497.	1.6	85
72	Comment on "Estimation of organ and effective dose due to Compton backscatter security scans" [Med. Phys., 39, 3396 (2012)]. <i>Medical Physics</i> , 2012, 39, 5782-5784.	1.6	1
73	Comparison of specific absorption rate induced in brain tissues of a child and an adult using mobile phone. <i>Journal of Applied Physics</i> , 2012, 111, 07B311.	1.1	12

#	ARTICLE	IF	CITATIONS
74	Assessment of magnetic field exposure of humans based on calculation of the resulting electric field parameters in body tissues. , 2012, , .		1
75	EMF dose in patients and medical staff during hyperthermia treatment of cancer. , 2012, , .		0
76	Absorption cross-section of the human body in a reverberant environment. , 2012, , .		8
77	A comparison of phantom models for on-body communications. , 2012, , .		3
78	Medical implants design. Issues and requirements. , 2012, , .		0
79	Patient-specific simulations and measurements of the magneto-hemodynamic effect in human primary vessels. <i>Physiological Measurement</i> , 2012, 33, 117-130.	1.2	20
80	Signal correlation between wearable antennas in body area networks in multipath environment. , 2012, , .		0
81	Theoretical investigation of transcranial alternating current stimulation using realistic head model. , 2012, 2012, 4156-9.		8
82	Computation of in situ electric field in the brain during transcranial magnetic stimulation. , 2012, , .		0
83	Ear Temperature Increase Produced by Cellular Phones Under Extreme Exposure Conditions. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012, 60, 1728-1734.	2.9	6
84	Effect of the variation in population on the whole body average SAR of persons exposed to vehicle mounted antennas. , 2012, , .		0
85	Design of a LTCC compact implantable broadband antenna for wireless biotelemetry. , 2012, , .		2
86	A study of SAR estimation by shape-deformable human models in anatomy. , 2012, , .		1
87	Water content evaluation of a human tissue using magnetic resonance imaging: A quantitative benchmarking approach. , 2012, , .		1
88	Impact of the skin conductivity and displacement currents on LF numerical dosimetry. , 2012, , .		2
89	UWB brain differential imaging capabilities. , 2012, , .		5
90	Correlation analysis of off-body radio channels in a street environment. , 2012, , .		4
91	Parallel FDTD simulations for WBAN channel characterization using different body models. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
92	An Iterative FDTD/MoM Technique for Assessing Coupling Effects in Front of Base-Station Antennas. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 1310-1313.	1.4	6
93	Design and exposure of wireless communication and power charging systems: Design rules, levels of exposure, challenges in exposure assessment and compliance testing. , 2012, , .		3
94	Numerical assessment methodology for active implantable medical device EMI due to magnetic resonance wireless power transmission antenna. , 2012, , .		15
95	Magnetic resonance based noninvasive RF nerve stimulator. , 2012, 2012, 6604-7.		1
96	A GPU-optimized binary space partition structure to accelerate the Monte Carlo simulation of CT projections of voxelized patient models with metal implants. , 2012, , .		2
97	Effects of tissue conductivity and electrode area on internal electric fields in a numerical human model for ELF contact current exposures. Physics in Medicine and Biology, 2012, 57, 2981-2996.	1.6	13
98	Fast multigrid-based computation of the induced electric field for transcranial magnetic stimulation. Physics in Medicine and Biology, 2012, 57, 7753-7765.	1.6	142
99	Estimation of the whole-body averaged SAR of grounded human models for plane wave exposure at respective resonance frequencies. Physics in Medicine and Biology, 2012, 57, 8427-8442.	1.6	16
100	Determining the influence of Korean population variation on whole-body average SAR. Physics in Medicine and Biology, 2012, 57, 2709-2725.	1.6	17
101	Occupational Exposure Assessment on an FM Mast: Electric Field and SAR Values. International Journal of Occupational Safety and Ergonomics, 2012, 18, 149-159.	1.1	5
102	Estimation of organ and effective dose due to Compton backscatter security scans. Medical Physics, 2012, 39, 3396-3403.	1.6	4
103	A database for estimating organ dose for coronary angiography and brain perfusion CT scans for arbitrary spectra and angular tube current modulation. Medical Physics, 2012, 39, 5336-5346.	1.6	8
104	Simultaneous Occupational Exposure to FM and UHF Transmitters. International Journal of Occupational Safety and Ergonomics, 2012, 18, 161-170.	1.1	4
105	A Receiver Architecture for Devices in Wireless Body Area Networks. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2012, 2, 82-95.	2.7	34
106	Occupational exposure assessment of magnetic fields generated by induction heating equipment—the role of spatial averaging. Physics in Medicine and Biology, 2012, 57, 5943-5953.	1.6	13
107	Comparison of three multichannel transmit/receive radiofrequency coil configurations for anatomic and functional cardiac MRI at 7.0T: implications for clinical imaging. European Radiology, 2012, 22, 2211-2220.	2.3	68
108	Evaluation of local electric fields generated by transcranial direct current stimulation with an extracerebral reference electrode based on realistic 3D body modeling. Physics in Medicine and Biology, 2012, 57, 2137-2150.	1.6	85
109	Computational analysis of thresholds for magnetophosphenes. Physics in Medicine and Biology, 2012, 57, 6147-6165.	1.6	15

#	ARTICLE	IF	CITATIONS
110	Influence of the Hand on the Specific Absorption Rate in the Head. IEEE Transactions on Antennas and Propagation, 2012, 60, 1066-1074.	3.1	21
111	Exposure to Electromagnetic Fields From Laptop Use of "Laptop" Computers. Archives of Environmental and Occupational Health, 2012, 67, 31-36.	0.7	24
112	An elliptical analytic link loss model for wireless propagation around the human torso. , 2012, , .		16
113	Detuning effects on implantable antenna at various human positions. , 2012, , .		7
114	Radiation Pattern of Wearable Antennas: A Statistical Analysis of the Influence of the Human Body. International Journal of Wireless Information Networks, 2012, 19, 209-218.	1.8	20
115	Practical applications of EM exposure research. , 2012, , .		0
116	Role of human variability on the estimation of the electric field and of the current density during transcranial direct current stimulation. , 2012, , .		1
117	Evaluation of Wireless Resonant Power Transfer Systems With Human Electromagnetic Exposure Limits. IEEE Transactions on Electromagnetic Compatibility, 2012, , 1-10.	1.4	101
118	A Study of RF Dosimetry from Exposure to an AMI Smart Meter. IEEE Antennas and Propagation Magazine, 2012, 54, 69-80.	1.2	8
120	Compliance boundaries for LTE base station antennas at 2600 MHz. , 2012, , .		2
121	Detailing Radio Frequency Heating Induced by Coronary Stents: A 7.0 Tesla Magnetic Resonance Study. PLoS ONE, 2012, 7, e49963.	1.1	43
122	High Spatial Resolution and Temporally Resolved T2* Mapping of Normal Human Myocardium at 7.0 Tesla: An Ultrahigh Field Magnetic Resonance Feasibility Study. PLoS ONE, 2012, 7, e52324.	1.1	33
123	DETUNING STUDY OF IMPLANTABLE ANTENNAS INSIDE THE HUMAN BODY. Progress in Electromagnetics Research, 2012, 124, 265-283.	1.6	48
124	Two-Dimensional sixteen channel transmit/receive coil array for cardiac MRI at 7.0 T: Design, evaluation, and application. Journal of Magnetic Resonance Imaging, 2012, 36, 847-857.	1.9	76
125	Fast design of local "gram" specific absorption rate "optimized radiofrequency pulses for parallel transmit systems. Magnetic Resonance in Medicine, 2012, 67, 824-834.	1.9	36
126	Coaxial waveguide MRI. Magnetic Resonance in Medicine, 2012, 67, 1173-1182.	1.9	16
127	Comparison between eight- and sixteen-channel TEM transceive arrays for body imaging at 7 T. Magnetic Resonance in Medicine, 2012, 67, 954-964.	1.9	54
128	Time-interleaved acquisition of modes: An analysis of SAR and image contrast implications. Magnetic Resonance in Medicine, 2012, 67, 1033-1041.	1.9	30

#	ARTICLE	IF	CITATIONS
129	Quantitative assessment of the effects of high- ϵ_r permittivity pads in 7 Tesla MRI of the brain. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1285-1293.	1.9	185
130	Local SAR in parallel transmission pulse design. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1566-1578.	1.9	71
131	In vivo 31P MR spectroscopic imaging of the human prostate at 7 T: Safety and feasibility. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1683-1695.	1.9	34
132	Simulations of high permittivity materials for 7 T neuroimaging and evaluation of a new barium titanate-based dielectric. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 912-918.	1.9	120
133	Increasing signal homogeneity and image quality in abdominal imaging at 3 T with very high permittivity materials. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1317-1324.	1.9	44
134	No effects of short-term GSM mobile phone radiation on cerebral blood flow measured using positron emission tomography. <i>Bioelectromagnetics</i> , 2012, 33, 247-256.	0.9	7
135	Local tissue temperature increase of a generic implant compared to the basic restrictions defined in safety guidelines. <i>Bioelectromagnetics</i> , 2012, 33, 366-374.	0.9	23
136	Electric field and current density distribution in an anatomical head model during transcranial direct current stimulation for tinnitus treatment. <i>Bioelectromagnetics</i> , 2012, 33, 476-487.	0.9	48
137	Exposure system to study hypotheses of ELF and RF electromagnetic field interactions of mobile phones with the central nervous system. <i>Bioelectromagnetics</i> , 2012, 33, 527-533.	0.9	13
138	Design and dosimetric analysis of a 385-MHz TETRA head exposure system for use in human provocation studies. <i>Bioelectromagnetics</i> , 2012, 33, 594-603.	0.9	8
139	Exposure of the Human Body to Professional and Domestic Induction Cooktops Compared to the Basic Restrictions. <i>Bioelectromagnetics</i> , 2012, 33, 695-705.	0.9	50
140	Where does transcranial magnetic stimulation (TMS) stimulate? Modelling of induced field maps for some common cortical and cerebellar targets. <i>Medical and Biological Engineering and Computing</i> , 2012, 50, 671-681.	1.6	95
141	Creation of a female and male segmentation dataset based on Chinese Visible Human (CVH). <i>Computerized Medical Imaging and Graphics</i> , 2012, 36, 336-342.	3.5	18
142	Computation of Induced Fields Into the Human Body by Dual Finite Element Formulations. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 783-786.	1.2	11
143	Mechanisms of RF Electromagnetic Field Absorption in Human Hands and Fingers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2012, 60, 2267-2276.	2.9	11
144	Application of an induced field sensor for assessment of electromagnetic exposure from compact fluorescent lamps. <i>Bioelectromagnetics</i> , 2012, 33, 166-175.	0.9	10
145	SAR simulations for high-field MRI: How much detail, effort, and accuracy is needed?. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1157-1168.	1.9	72
146	High-resolution MRI of the carotid arteries using a leaky waveguide transmitter and a high-density receive array at 7 T. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1186-1193.	1.9	31

#	ARTICLE	IF	CITATIONS
147	Human brain imaging at 9.4 T using a tunable patch antenna for transmission. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1494-1500.	1.9	19
148	Specific absorption rate intersubject variability in 7T parallel transmit MRI of the head. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1476-1485.	1.9	64
149	Optimum coupling and multimode excitation of traveling waves in a whole-body 9.4T scanner. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1805-1812.	1.9	14
150	Numerical evaluation of currents induced in a worker by ELF non-uniform electric fields in high voltage substations and comparison with experimental results. <i>Bioelectromagnetics</i> , 2013, 34, 61-73.	0.9	15
151	Seven-Tesla MRI of the female pelvis. <i>European Radiology</i> , 2013, 23, 2364-2373.	2.3	12
152	SAR exposure from UHF RFID reader in adult, child, pregnant woman, and fetus anatomical models. <i>Bioelectromagnetics</i> , 2013, 34, 443-452.	0.9	23
153	Analysis of human brain exposure to low-frequency magnetic fields: A numerical assessment of spatially averaged electric fields and exposure limits. <i>Bioelectromagnetics</i> , 2013, 34, 375-384.	0.9	54
154	Efficient evaluation of MRI-induced electric fields in the vicinity of implantable lead. , 2013, , .		5
155	openEMS – a free and open source equivalent-circuit (EC) FDTD simulation platform supporting cylindrical coordinates suitable for the analysis of traveling wave MRI applications. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2013, 26, 680-696.	1.2	35
156	No increased sensitivity in brain activity of adolescents exposed to mobile phone-like emissions. <i>Clinical Neurophysiology</i> , 2013, 124, 1303-1308.	0.7	36
157	Modulating Human Procedural Learning by Cerebellar Transcranial Direct Current Stimulation. <i>Cerebellum</i> , 2013, 12, 485-492.	1.4	142
159	A Link Loss Model for the On-Body Propagation Channel for Binaural Hearing Aids. <i>IEEE Transactions on Antennas and Propagation</i> , 2013, 61, 6180-6190.	3.1	36
160	The relationship between specific absorption rate and temperature elevation in anatomically based human body models for plane wave exposure from 30 MHz to 6 GHz. <i>Physics in Medicine and Biology</i> , 2013, 58, 903-921.	1.6	31
161	Antennas and Propagation for Body-Centric Wireless Communications at Millimeter-Wave Frequencies: A Review [Wireless Corner]. <i>IEEE Antennas and Propagation Magazine</i> , 2013, 55, 262-287.	1.2	114
162	Evaluation of the induced electric field and compliance procedure for a wireless power transfer system in an electrical vehicle. <i>Physics in Medicine and Biology</i> , 2013, 58, 7583-7593.	1.6	70
163	Stochastic method for determination of the organ-specific averaged SAR in realistic environments at 950 MHz. <i>Bioelectromagnetics</i> , 2013, 34, 549-562.	0.9	12
164	The properties of human body phantoms used in calculations of electromagnetic fields exposure by wireless communication handsets or hand-operated industrial devices. <i>Electromagnetic Biology and Medicine</i> , 2013, 32, 226-235.	0.7	8
165	Investigating the role of capacitive coupling between the operating table and the return electrode of an electrosurgery unit in the modification of the current density distribution within the patients' body. <i>BioMedical Engineering OnLine</i> , 2013, 12, 80.	1.3	3

#	ARTICLE	IF	CITATIONS
166	Analysis of Dynamic On-Body Communication Channels for Various Movements and Polarization Schemes at 2.45 GHz. IEEE Transactions on Antennas and Propagation, 2013, 61, 6168-6179.	3.1	37
167	A 900 MHz Beam Steering Parasitic Antenna Array for Wearable Wireless Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 4520-4527.	3.1	29
168	A Simple Absolute Estimate of Peak Eddy Currents Induced by Transcranial Magnetic Stimulation Using the GR Model. IEEE Transactions on Magnetics, 2013, 49, 4999-5003.	1.2	8
169	Personal distributed exposimeter for radio frequency exposure assessment in real environments. Bioelectromagnetics, 2013, 34, 563-567.	0.9	36
170	Shape-deformable models for computational electromagnetic dosimetry of a human body. , 2013, , .		0
171	Two-pole filtering antenna for body centric communications. , 2013, , .		3
172	A numerical dosimetry study for pediatric transcranial magnetic stimulation. , 2013, , .		1
173	Computational model of cerebellar transcranial direct current stimulation. , 2013, 2013, 237-40.		8
174	Slot antennas for on-body communication. , 2013, , .		0
175	Evaluation of tissue dielectric properties from MR images. , 2013, , .		1
176	Multi-channel transmit/receive RF coil arrays for cardiac MRI at ultrahigh fields: Design, validation and clinical application. , 2013, , .		2
177	A 64-channel 3T array coil for accelerated brain MRI. Magnetic Resonance in Medicine, 2013, 70, 248-258.	1.9	202
178	Evaluation of the RF heating of a generic deep brain stimulator exposed in 1.5T magnetic resonance scanners. Bioelectromagnetics, 2013, 34, 104-113.	0.9	60
179	Design, evaluation and application of an eight channel transmit/receive coil array for cardiac MRI at 7.0T. European Journal of Radiology, 2013, 82, 752-759.	1.2	46
180	Contrast-enhanced ultra-high-field liver MRI: A feasibility trial. European Journal of Radiology, 2013, 82, 760-767.	1.2	22
182	Wall orientation and shear stress in the lattice Boltzmann model. Computers and Fluids, 2013, 73, 115-123.	1.3	33
183	Study of the influence of the laterality of mobile phone use on the SAR induced in two head models. Comptes Rendus Physique, 2013, 14, 418-424.	0.3	7
184	Evaluation of the current density in the brainstem during transcranial direct current stimulation with extra-cephalic reference electrode. Clinical Neurophysiology, 2013, 124, 1039-1040.	0.7	18

#	ARTICLE	IF	CITATIONS
185	Comparison of organsâ€™ shapes with geometric and Zernike 3D moments. Computer Methods and Programs in Biomedicine, 2013, 111, 740-754.	2.6	9
186	Massively parallel MRI detector arrays. Journal of Magnetic Resonance, 2013, 229, 75-89.	1.2	143
187	Progress and promises of human cardiac magnetic resonance at ultrahigh fields: A physics perspective. Journal of Magnetic Resonance, 2013, 229, 208-222.	1.2	61
188	Numerical Estimation of the Current Density in the Heart During Transcranial Direct Current Stimulation. Brain Stimulation, 2013, 6, 457-459.	0.7	18
189	The Effect of Coil Modeling on the Predicted Induced Electric Field Distribution During TMS. IEEE Transactions on Magnetics, 2013, 49, 1096-1100.	1.2	10
190	Temperature Rise Induced by Wire and Planar Antennas in a High-Resolution Human Head Model. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 288-298.	1.4	2
191	Cancer risks related to low-level RF/MW exposures, including cell phones. Electromagnetic Biology and Medicine, 2013, 32, 273-280.	0.7	14
192	Assessing Human Exposure to Electromagnetic Fields From Wireless Power Transmission Systems. Proceedings of the IEEE, 2013, 101, 1482-1493.	16.4	131
193	Statistical multi-path exposure method for assessing the whole-body SAR in a heterogeneous human body model in a realistic environment. Bioelectromagnetics, 2013, 34, 240-251.	0.9	16
194	MR safety assessment of potential RF heating from cranial fixation plates at 7 T. Medical Physics, 2013, 40, 042302.	1.6	33
195	Computational dosimetry of induced electric fields during realistic movements in the vicinity of a 3 T MRI scanner. Physics in Medicine and Biology, 2013, 58, 2625-2640.	1.6	31
196	CPW-fed double triangular slot antenna for biomedical applications. , 2013, , .		1
197	An RFID-enabled library management system using low-SAR smart bookshelves. , 2013, , .		16
198	Computational analysis shows why transcranial alternating current stimulation induces retinal phosphenes. Journal of Neural Engineering, 2013, 10, 046009.	1.8	94
199	GPU Acceleration of Finite Difference Schemes Used in Coupled Electromagnetic/Thermal Field Simulations. IEEE Transactions on Magnetics, 2013, 49, 1649-1652.	1.2	18
200	Mitigation of B_1 inhomogeneity on single-channel transmit systems with TIAMO. Magnetic Resonance in Medicine, 2013, 70, 290-294.	1.9	14
201	First-pass contrast-enhanced renal MRA at 7 Tesla: initial results. European Radiology, 2013, 23, 1059-1066.	2.3	21
202	MIMO capacity performance of off-body radio channels in a street environment. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
203	Development of newborn and 1-year-old reference phantoms based on polygon mesh surfaces. Journal of Radiological Protection, 2013, 33, 669-691.	0.6	14
204	A novel medical image data-based multi-physics simulation platform for computational life sciences. Interface Focus, 2013, 3, 20120058.	1.5	17
205	UWB pulse propagation into human tissues. Physics in Medicine and Biology, 2013, 58, 8689-8707.	1.6	36
206	Compliance boundaries for multiple-frequency base station antennas in three directions. Bioelectromagnetics, 2013, 34, 465-478.	0.9	13
207	Combining near- and far-field exposure for an organ-specific and whole-body RF-EMF proxy for epidemiological research: A reference case. Bioelectromagnetics, 2013, 34, 366-374.	0.9	61
208	MIMO Capacity Analysis of Off-Body Radio Channels in a Street Environment. , 2013, , .		3
209	Tailored RF magnetic field distribution along the bore of a 7-Tesla traveling-wave magnetic resonance imaging system. , 2013, , .		2
210	Estimate of the fetal temperature increase due to UHF RFID exposure. , 2013, 2013, 1254-7.		0
211	Specific absorption rate in human fetus with fetal growth for RF far-field exposure. , 2013, , .		1
212	Reducing radiation dose to the female breast during CT coronary angiography: A simulation study comparing breast shielding, angular tube current modulation, reduced kV, and partial angle protocols using an unknown-location signal-detectability metric. Medical Physics, 2013, 40, 081921.	1.6	7
213	Radiofrequency field enhancement with high dielectric constant (HDC) pads in a receive array coil at 3.0T. Journal of Magnetic Resonance Imaging, 2013, 38, 435-440.	1.9	44
214	A forward model analysis of dielectric shimming in magnetic resonance imaging. , 2013, , .		2
215	Exposure of high resolution fetuses in advanced pregnant woman models at different stages of pregnancy to uniform magnetic fields at the frequency of 50 Hz. , 2013, 2013, 4525-8.		2
216	Magnetic resonance specific integral equation solver based on precomputed numerical Green functions. , 2013, , .		2
217	Modelling on- and off-body channels in Body Area Networks. , 2013, , .		6
218	Experimental and numerical assessment of low-frequency current distributions from UMTS and GSM mobile phones. Physics in Medicine and Biology, 2013, 58, 8339-8357.	1.6	11
219	Slice-based supine-to-standing posture deformation for Chinese anatomical models and the dosimetric results with wide band frequency electromagnetic field exposure: simulation. Radiation Protection Dosimetry, 2013, 154, 31-36.	0.4	7
220	Simplified segmented human models for whole body and localised SAR evaluation of 20 MHz to 6 GHz electromagnetic field exposures. Radiation Protection Dosimetry, 2013, 153, 266-272.	0.4	19

#	ARTICLE	IF	CITATIONS
221	Nonenhanced Magnetic Resonance Angiography of the Lower Extremity Vessels at 7 Tesla. Investigative Radiology, 2013, 48, 525-534.	3.5	9
222	Pediatric radiation dosimetry for positron-emitting radionuclides using anthropomorphic phantoms. Medical Physics, 2013, 40, 102502.	1.6	22
223	Design and Evaluation of a Hybrid Radiofrequency Applicator for Magnetic Resonance Imaging and RF Induced Hyperthermia: Electromagnetic Field Simulations up to 14.0 Tesla and Proof-of-Concept at 7.0 Tesla. PLoS ONE, 2013, 8, e61661.	1.1	89
224	Dual-Band On-Body Repeater Antenna for In-on-On WBAN Applications. International Journal of Antennas and Propagation, 2013, 2013, 1-12.	0.7	26
225	Safety Aspects of People Exposed to Ultra Wideband Radar Fields. International Journal of Antennas and Propagation, 2013, 2013, 1-7.	0.7	16
226	MRI-Based Multiscale Model for Electromagnetic Analysis in the Human Head with Implanted DBS. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-12.	0.7	22
227	Evaluation of the Electromagnetic Power Absorption in Humans Exposed to Plane Waves: The Effect of Breathing Activity. International Journal of Antennas and Propagation, 2013, 2013, 1-7.	0.7	3
228	ultraMEDIS – Ultra-Wideband Sensing in Medicine. , 2013, , .		8
229	STUDY OF HUMAN EXPOSURE USING KRIGING METHOD. Progress in Electromagnetics Research B, 2014, 61, 241-252.	0.7	5
230	EMF Monitoring – Concepts, Activities, Gaps and Options. International Journal of Environmental Research and Public Health, 2014, 11, 9460-9479.	1.2	41
231	Specific Absorption Rates and Temperature Elevations due to Wireless Radio Terminals in Proximity to a Fetus at Gestational Ages of 13, 18, and 26 Weeks. IEICE Transactions on Communications, 2014, E97.B, 2175-2183.	0.4	1
232	Visual prostheses: The enabling technology to give sight to the blind. Journal of Ophthalmic and Vision Research, 2014, 9, 494.	0.7	50
233	Intersubject local SAR variation for 7T prostate MR imaging with an eight-channel single-side adapted dipole antenna array. Magnetic Resonance in Medicine, 2014, 71, 1559-1567.	1.9	39
234	Analysis of in situ electric field and specific absorption rate in human models for wireless power transfer system with induction coupling. Physics in Medicine and Biology, 2014, 59, 3721-3735.	1.6	28
235	Effect of Anatomical Brain Development on Induced Electric Fields During Transcranial Magnetic Stimulation. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	25
236	Exposures representative of traction current magnetic fields in hybrid and electric vehicles - I: Simulation of basic restrictions in a seated human. , 2014, , .		4
237	COMPUTATIONAL MODELING OF TRANSCRANIAL DIRECT CURRENT STIMULATION IN THE CHILD BRAIN: IMPLICATIONS FOR THE TREATMENT OF REFRACTORY CHILDHOOD FOCAL EPILEPSY. International Journal of Neural Systems, 2014, 24, 1430006.	3.2	26
238	Influence of the environment on MIMO on-body communications. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
239	Incontinence management for the elderly: Development of a radar-based bladder volume monitor. , 2014, , .		2
240	3D printed miniaturized UWB antenna for wireless body area network. , 2014, , .		4
241	Basic Features of a Cell Electroporation Model: Illustrative Behavior for Two Very Different Pulses. Journal of Membrane Biology, 2014, 247, 1209-1228.	1.0	79
242	Numerical and experimental analysis of UWB pulse propagation into human tissues. , 2014, , .		4
243	Local temperature assessment produced by an implantable antenna for intracranial pressure monitoring. , 2014, , .		0
244	Equivalence principle use to assess the exposure induced by a Femto antenna at 2100MHz. , 2014, , .		1
245	Assessing complex low frequency magnetic fields against the EU directive for worker protection. , 2014, , .		2
246	Are Children More Exposed to Radio Frequency Energy From Mobile Phones Than Adults?. IEEE Access, 2014, 2, 1497-1509.	2.6	227
247	Quantitative prediction of radio frequency induced local heating derived from measured magnetic field maps in magnetic resonance imaging: A phantom validation at 7â€™T. Applied Physics Letters, 2014, 105, 244101.	1.5	19
248	Multi-scale simulations predict responses to non-invasive nerve root stimulation. Journal of Neural Engineering, 2014, 11, 056013.	1.8	26
249	Analysis and Optimization of Spiral Circular Inductive Coupling Link for Bio-Implanted Applications on Air and within Human Tissue. Sensors, 2014, 14, 11522-11541.	2.1	55
250	Induced electric fields in the MAXWEL surface-based human model from exposure to external low frequency electric fields. Radiation Protection Dosimetry, 2014, 162, 244-253.	0.4	12
251	Circularâ€™ring patch antenna with higher order mode for onâ€™body communications. Microwave and Optical Technology Letters, 2014, 56, 1543-1547.	0.9	29
252	On the issues related to compliance assessment of ICNIRP 2010 basic restrictions. Journal of Radiological Protection, 2014, 34, N31-N39.	0.6	28
253	Exposures representative of traction current magnetic fields in hybrid and electric vehicles - II: Safety factors provided by field reference levels. , 2014, , .		4
254	Assessment of local RF-induced heating of AIMDs during MR exposure. , 2014, , .		11
255	Toward deep transcranial magnetic stimulation. , 2014, , .		1
256	Investigation of human exposure to magnetic fields from electrical powertrains: measured exposure levels and simulated impact on human body. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
257	A study of antenna efficiency and MRI compatibility of cardiac stent. , 2014, , .		2
258	Statistical path loss model for dynamic off-body channels. , 2014, , .		10
259	Analysis of the influence of handset phone position on RF exposure of brain tissue. Bioelectromagnetics, 2014, 35, 568-579.	0.9	17
260	Simulation of radiofrequency ablation in real human anatomy. International Journal of Hyperthermia, 2014, 30, 570-578.	1.1	37
261	Polynomial Chaos decomposition applied to stochastic dosimetry: Study of the influence of the magnetic field orientation on the pregnant woman exposure at 50 Hz. , 2014, 2014, 342-4.		2
262	A multi-tissue segmentation of the human head for detailed computational models. , 2014, 2014, 2484-7.		0
263	A More Scalable and Efficient Parallelization of the Adaptive Integral Methodâ€”Part II: BIOEM Application. IEEE Transactions on Antennas and Propagation, 2014, 62, 727-738.	3.1	15
264	Gradient-based magnetic resonance electrical properties imaging of brain tissues. , 2014, 2014, 6056-9.		0
265	Using virtual MIMO in off-body channels for power efficient communications. , 2014, , .		1
266	Safe and efficient design of the shelf antenna in an RFID-based Library Management System. , 2014, , .		1
267	Assessing the MR compatibility of dental retainer wires at 7 Tesla. Magnetic Resonance in Medicine, 2014, 72, 1191-1198.	1.9	38
268	Influence of tissue mass and exposure duration on correlation between radio frequency energy absorption and induced temperature elevation. , 2014, , .		2
269	Utilization of waveguide applicators combination for electromagnetic field focusing. , 2014, , .		0
270	Induced electric fields in workers near lowâ€”frequency induction heating machines. Bioelectromagnetics, 2014, 35, 222-226.	0.9	3
271	Recent developments in QCRF-FDTD modeling of complex dispersive media. , 2014, , .		1
272	Bio heat equation modeling on macro and micro scales. , 2014, , .		1
273	Modelling of deep transcranial magnetic stimulation: Different coil configurations. , 2014, 2014, 4306-9.		6
274	Dielectric pads and lowâ€”adiabatic pulses: Complementary techniques to optimize structural T₁w wholeâ€”brain MP2RAGE scans at 7 tesla. Journal of Magnetic Resonance Imaging, 2014, 40, 804-812.	1.9	58

#	ARTICLE	IF	CITATIONS
275	Ventricular B_1 perturbation at 7 T - real effect or measurement artifact?. NMR in Biomedicine, 2014, 27, 617-620.	1.6	11
276	Exploitation of realistic computational anthropomorphic phantoms for the optimization of nuclear imaging acquisition and processing protocols. , 2014, 2014, 1921-4.		1
277	An exponential growth of computational phantom research in radiation protection, imaging, and radiotherapy: a review of the fifty-year history. Physics in Medicine and Biology, 2014, 59, R233-R302.	1.6	201
278	Prediction and comparison of downlink electric-field and uplink localised SAR values for realistic indoor wireless planning. Radiation Protection Dosimetry, 2014, 162, 487-498.	0.4	13
279	Dual patch antenna sensor for pneumothorax diagnosis: Sensitivity and performance study. , 2014, 2014, 4827-30.		2
280	Denosing of B_1 field maps for noise-robust image reconstruction in electrical properties tomography. Medical Physics, 2014, 41, 102304.	1.6	18
281	Slot antenna array on circular SIW resonator for on body communications. , 2014, , .		2
282	Theoretical assessment of the maximum obtainable power in wireless power transfer constrained by human body exposure limits in a typical room scenario. Physics in Medicine and Biology, 2014, 59, 3453-3464.	1.6	11
283	The reduction in Monte Carlo calculated organ doses from CT with tube current modulation using WILLIAM, a voxel model of seven year-old anatomy. Australasian Physical and Engineering Sciences in Medicine, 2014, 37, 743-752.	1.4	1
284	Quantification Of RF-exposure of the Fetus Using Anatomical CAD-Models in Three Different Gestational Stages. Health Physics, 2014, 107, 369-381.	0.3	9
285	Ophthalmic Magnetic Resonance Imaging at 7 T Using a 6-Channel Transceiver Radiofrequency Coil Array in Healthy Subjects and Patients With Intraocular Masses. Investigative Radiology, 2014, 49, 260-270.	3.5	32
286	Ultrahigh-Field Imaging of the Biliary Tract at 7 T. Investigative Radiology, 2014, 49, 346-353.	3.5	7
287	High Permittivity Dielectric Pads Improve High Spatial Resolution Magnetic Resonance Imaging of the Inner Ear at 7 T. Investigative Radiology, 2014, 49, 271-277.	3.5	48
288	Initial Evaluation of Non-Contrast-Enhanced Magnetic Resonance Angiography in Patients With Peripheral Arterial Occlusive Disease at 7 T. Investigative Radiology, 2014, 49, 331-338.	3.5	13
289	Dosimetric evaluation of specific absorption rate in realistic head models with different sizes in mobile phone usage. , 2014, , .		0
290	Computational Phantoms for Organ Dose Calculations in Radiation Protection and Imaging. Biological and Medical Physics Series, 2014, , 225-262.	0.3	0
291	A review of numerical and experimental compensation techniques for skull-induced phase aberrations in transcranial focused ultrasound. International Journal of Hyperthermia, 2014, 30, 36-46.	1.1	104
292	Thermal Tissue Damage Model Analyzed for Different Whole-Body SAR and Scan Durations for Standard MR Body Coils. Magnetic Resonance in Medicine, 2014, 71, 421-431.	1.9	76

#	ARTICLE	IF	CITATIONS
293	Skin sodium measured with ^{23}Na MRI at 7.0 T. NMR in Biomedicine, 2015, 28, 54-62.	1.6	74
294	Collateral Thermal Effect of MRI-LINAC Gradient Coils on Metallic Hip Prostheses. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	8
295	Comparison of Fat Saturation Techniques for Single-Shot Fast Spin Echo Sequences for 7-T Body Imaging. Investigative Radiology, 2014, 49, 101-108.	3.5	4
296	Highly cited articles in Physics in Medicine and Biology. Physics in Medicine and Biology, 2014, 59, 4461-4463.	1.6	1
297	Development of a new generation of high-resolution anatomical models for medical device evaluation: the Virtual Population 3.0. Physics in Medicine and Biology, 2014, 59, 5287-5303.	1.6	355
298	Simultaneous high-definition transcranial direct current stimulation of the motor cortex and motor imagery. , 2014, 2014, 454-6.		6
299	Microwave hyperthermia treatment of neck cancer using eight UWB antennas. , 2014, , .		3
300	Are glutamate and lactate increases ubiquitous to physiological activation? A ^1H functional MR spectroscopy study during motor activation in human brain at 7Tesla. NeuroImage, 2014, 93, 138-145.	2.1	90
301	MRI-based three-dimensional thermal physiological characterization of thyroid gland of human body. Medical Engineering and Physics, 2014, 36, 16-25.	0.8	18
302	Modeling the current density generated by transcutaneous spinal direct current stimulation (tsDCS). Clinical Neurophysiology, 2014, 125, 2260-2270.	0.7	77
303	MRI-based finite element simulation on radiofrequency ablation of thyroid cancer. Computer Methods and Programs in Biomedicine, 2014, 113, 529-538.	2.6	16
304	The effect of head and coil modeling for the calculation of induced electric field during transcranial magnetic stimulation. International Journal of Psychophysiology, 2014, 93, 167-171.	0.5	6
305	Numerical and experimental evaluation of RF shimming in the human brain at 9.4T using a dual-row transmit array. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 373-386.	1.1	41
306	Reduced-Order Models for Electromagnetic Scattering Problems. IEEE Transactions on Antennas and Propagation, 2014, 62, 3150-3162.	3.1	44
307	Characterization of path loss and absorption for a wireless radio frequency link between an in-body endoscopy capsule and a receiver outside the body. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	1.5	28
308	Direct cerebral and cardiac ^{17}O -MRI at 3T: initial results at natural abundance. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2014, 27, 95-99.	1.1	27
309	GPU Acceleration of Algebraic Multigrid Preconditioners for Discrete Elliptic Field Problems. IEEE Transactions on Magnetics, 2014, 50, 461-464.	1.2	17
310	Solution of Large Complex BEM Systems Derived From High-Resolution Human Models. IEEE Transactions on Magnetics, 2014, 50, 521-524.	1.2	3

#	ARTICLE	IF	CITATIONS
311	Induced Current Calculation in Detailed 3-D Adult and Child Model for the Wireless Power Transfer Frequency Range. IEEE Transactions on Magnetics, 2014, 50, 1041-1044.	1.2	13
312	Evaluation of Electromagnetic Fields in Human Body Exposed to Wireless Inductive Charging System. IEEE Transactions on Magnetics, 2014, 50, 1037-1040.	1.2	66
313	Human Exposure to Close-Range Resonant Wireless Power Transfer Systems as a Function of Design Parameters. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 1027-1034.	1.4	83
314	Effects of coil orientation on the electric field induced by TMS over the hand motor area. Physics in Medicine and Biology, 2014, 59, 203-218.	1.6	137
315	Cardiac Changes Due to Electronic Control Devices? A Computer-Based Analysis of Electrical Effects at the Human Heart Caused by an ECD Pulse Applied to the Body's Exterior. Journal of Forensic Sciences, 2014, 59, 659-664.	0.9	6
316	Thermoregulatory Modeling for Cold Stress. , 2014, 4, 1057-1081.		40
317	Rapid Local Specific Absorption Rate Estimation for Magnetic Resonance Imaging. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 771-779.	1.4	4
318	Modeling of EEG electrode artifacts and thermal ripples in human radiofrequency exposure studies. Bioelectromagnetics, 2014, 35, 273-283.	0.9	10
319	Modular 32-channel transceiver coil array for cardiac MRI at 7.0T. Magnetic Resonance in Medicine, 2014, 72, 276-290.	1.9	90
320	Radio frequency electromagnetic field compliance assessment of multi-band and MIMO equipped radio base stations. Bioelectromagnetics, 2014, 35, 296-308.	0.9	15
321	Hyperthermia Therapy for Cancer. , 2014, , 115-151.		7
322	Link budget analysis of a biocompatible dual-band implantable antenna for Intracranial Pressure monitoring. , 2014, , .		0
323	Evaluation of human exposure to pulsed waves. , 2014, , .		2
324	Telemetry for Implantable Medical Devices: Part 1 - Media Properties and Standards. IEEE Solid-State Circuits Magazine, 2014, 6, 47-51.	0.5	22
325	High spatial resolution in vivo magnetic resonance imaging of the human eye, orbit, nervus opticus and optic nerve sheath at 7.0 Tesla. Experimental Eye Research, 2014, 125, 89-94.	1.2	34
326	Design of a novel compact printed folded dipole antenna for biomedical applications. , 2014, , .		9
327	Ultra low power transceivers for wireless sensors and body area networks. , 2014, , .		3
328	Stable FFT-JVIE solvers for fast analysis of highly inhomogeneous dielectric objects. Journal of Computational Physics, 2014, 269, 280-296.	1.9	73

#	ARTICLE	IF	CITATIONS
329	Koch slot loop antenna for wireless body-centric communication. Microwave and Optical Technology Letters, 2014, 56, 764-766.	0.9	6
330	Temperature Increase in the Fetus Exposed to UHF RFID Readers. IEEE Transactions on Biomedical Engineering, 2014, 61, 2011-2019.	2.5	15
331	Dosimetric study on eye's exposure to wide band radio frequency electromagnetic fields: Variability by the ocular axial length. Bioelectromagnetics, 2014, 35, 324-336.	0.9	10
332	A hybrid FE-BE method for SAR estimate in voxel based human models undergoing MRI. Engineering Analysis With Boundary Elements, 2014, 49, 15-21.	2.0	3
333	Modelling the electric field and the current density generated by cerebellar transcranial DC stimulation in humans. Clinical Neurophysiology, 2014, 125, 577-584.	0.7	133
334	An eight-channel transmit/receive array of TE ₀₁ mode high permittivity ceramic resonators for human imaging at 7T. Journal of Magnetic Resonance, 2014, 243, 122-129.	1.2	37
335	Informing dose design by modeling transcutaneous spinal direct current stimulation. Clinical Neurophysiology, 2014, 125, 2147-2149.	0.7	11
336	Array of balanced antipodal Vivaldi antennas used for microwave hyperthermia treatment of neck cancer. , 2014, , .		3
337	Electrical Properties Tomography in the Human Brain at 1.5, 3, and 7T: A Comparison Study. Magnetic Resonance in Medicine, 2014, 71, 354-363.	1.9	88
338	A fast, analytically based method to optimize local transmit efficiency for a transmit array. Magnetic Resonance in Medicine, 2014, 71, 432-439.	1.9	5
339	Dosimetric study of fetal exposure to uniform magnetic fields at 50%Hz. Bioelectromagnetics, 2014, 35, 580-597.	0.9	23
340	High permittivity pads reduce specific absorption rate, improve B ₁ homogeneity, and increase contrast-to-noise ratio for functional cardiac MRI at 3 T. Magnetic Resonance in Medicine, 2014, 71, 1632-1640.	1.9	67
341	Whole-body and local RF absorption in human models as a function of anatomy and position within 1.5T MR body coil. Magnetic Resonance in Medicine, 2014, 71, 839-845.	1.9	55
342	Development of a wearable microwave bladder monitor for the management and treatment of urinary incontinence. Proceedings of SPIE, 2014, , .	0.8	4
343	Computational platform combining detailed and precise functionalized anatomical phantoms with EM-Neuron interaction modeling. , 2014, , .		4
344	Reference system for basic-restrictions related evaluation of magnetic field exposure an approach by the example of resistance welding equipment. , 2014, , .		0
345	Space distribution of SAR and temperature in human body model with tumor using waveguide applicator array. , 2014, , .		2
346	A study of SAR pattern in biological tissues due to RF exposure. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
347	Investigation of in-body path loss in different human subjects for localization of capsule endoscope. , 2015, 2015, 5461-4.		3
348	Gradient-based electrical properties tomography (gEPT): A robust method for mapping electrical properties of biological tissues in vivo using magnetic resonance imaging. Magnetic Resonance in Medicine, 2015, 74, 634-646.	1.9	80
349	Quasistatic Approximation for Exposure Assessment of Wireless Power Transfer. IEICE Transactions on Communications, 2015, E98.B, 1156-1163.	0.4	10
350	Grid sensitivity analysis of human phantom models to minimize the simulation error for capsule endoscope localization. , 2015, , .		1
351	Pediatric personalized CT-dosimetry Monte Carlo simulations, using computational phantoms. Journal of Physics: Conference Series, 2015, 637, 012020.	0.3	3
352	Clinical applications of dual-channel transmit MRI: A review. Journal of Magnetic Resonance Imaging, 2015, 42, 855-869.	1.9	32
353	The effect of high-permittivity pads on specific absorption rate in radiofrequency-shimmed dual-transmit cardiovascular magnetic resonance at 3T. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 82.	1.6	18
354	Thermal magnetic resonance: physics considerations and electromagnetic field simulations up to 23.5 Tesla (1GHz). Radiation Oncology, 2015, 10, 201.	1.2	39
355	Full-wave acoustic and thermal modeling of transcranial ultrasound propagation and investigation of skull-induced aberration correction techniques: a feasibility study. Journal of Therapeutic Ultrasound, 2015, 3, 11.	2.2	46
356	Rapid method for thermal dose-based safety supervision during MR scans. Bioelectromagnetics, 2015, 36, 398-407.	0.9	17
357	Response of personal exposimeters for exposure assessment in the GSM900 downlink band. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2015, 34, 1076-1084.	0.5	1
358	Dosimetry of infant exposure to power-frequency magnetic fields: Variation of 99th percentile induced electric field value by posture and skin-to-skin contact. Bioelectromagnetics, 2015, 36, 204-218.	0.9	19
359	Feasibility of Electric Property Tomography of pelvic tumors at 3T. Magnetic Resonance in Medicine, 2015, 73, 1505-1513.	1.9	49
360	Eight-channel transceiver RF coil array tailored for $¹H/¹⁹F MR of the human knee and fluorinated drugs at 7.0 T. NMR in Biomedicine, 2015, 28, 726-737.$	1.6	25
361	Comparison of RF body coils for MRI at 3T: a simulation study using parallel transmission on various anatomical targets. NMR in Biomedicine, 2015, 28, 1332-1344.	1.6	28
362	A semi-dynamic heart model for UWB microwave transmission simulations and hardware evaluation. Biomedical Physics and Engineering Express, 2015, 1, 045005.	0.6	1
363	Human exposure from pulsed magnetic field therapy mats: A numerical case study with three commercial products. Bioelectromagnetics, 2015, 36, 149-161.	0.9	11
364	Dosimetry for infant exposures to electronic article surveillance system: Posture, physical dimension and anatomy. Bioelectromagnetics, 2015, 36, 319-324.	0.9	2

#	ARTICLE	IF	CITATIONS
365	Investigation of maximum local specific absorption rate in 7â€‰T magnetic resonance with respect to load size by use of electromagnetic simulations. <i>Bioelectromagnetics</i> , 2015, 36, 358-366.	0.9	9
366	A novel method to assess human population exposure induced by a wireless cellular network. <i>Bioelectromagnetics</i> , 2015, 36, 451-463.	0.9	44
367	An equivalent skin conductivity model for low-frequency magnetic field dosimetry. <i>Biomedical Physics and Engineering Express</i> , 2015, 1, 015201.	0.6	50
368	On the RF heating of coronary stents at 7.0 Tesla MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 999-1010.	1.9	58
369	Parallel-plate waveguide for volume radio frequency transmission in MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1482-1491.	1.9	1
370	Statistical simulation of SAR variability with geometric and tissue property changes by using the unscented transform. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2357-2362.	1.9	6
371	Comparison between simulated decoupling regimes for specific absorption rate prediction in parallel transmit MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1423-1434.	1.9	21
372	Numerical prediction of temperature elevation induced around metallic hip prostheses by traditional, split, and uniplanar gradient coils. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 272-279.	1.9	19
373	Sodium MRI of the human heart at 7.0â€‰T: preliminary results. <i>NMR in Biomedicine</i> , 2015, 28, 967-975.	1.6	26
374	INTER-SUBJECT VARIABILITY EVALUATION TOWARDS A ROBUST MICROWAVE SENSOR FOR PNEUMOTHORAX DIAGNOSIS. <i>Progress in Electromagnetics Research M</i> , 2015, 42, 61-70.	0.5	5
375	Assessment of Foetal Exposure to the Homogeneous Magnetic Field Harmonic Spectrum Generated by Electricity Transmission and Distribution Networks. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 3667-3690.	1.2	13
376	Study of the Influence of the Orientation of a 50-Hz Magnetic Field on Fetal Exposure Using Polynomial Chaos Decomposition. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 5934-5953.	1.2	17
377	Dose estimation in reference and non-reference pediatric patients undergoing computed tomography examinations: a Monte Carlo study. <i>Radioprotection</i> , 2015, 50, 43-54.	0.5	11
378	MIDA: A Multimodal Imaging-Based Detailed Anatomical Model of the Human Head and Neck. <i>PLoS ONE</i> , 2015, 10, e0124126.	1.1	220
379	Characterization and Evaluation of a Commercial WLAN System for Human Provocation Studies. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	3
380	Joint Minimization of Uplink and Downlink Whole-Body Exposure Dose in Indoor Wireless Networks. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	18
381	Effect of the Interindividual Variability on Computational Modeling of Transcranial Direct Current Stimulation. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-9.	1.1	20
382	A Computational Model for Real-Time Calculation of Electric Field due to Transcranial Magnetic Stimulation in Clinics. <i>International Journal of Antennas and Propagation</i> , 2015, 2015, 1-11.	0.7	27

#	ARTICLE	IF	CITATIONS
383	Diversity Performance of Off-Body MB-OFDM UWB-MIMO. IEEE Transactions on Antennas and Propagation, 2015, 63, 3187-3197.	3.1	26
384	Investigations on the effect of frequency and noise in a localization technique based on microwave imaging for an in-body RF source. Proceedings of SPIE, 2015, , .	0.8	1
385	Modeling the Effect of Adverse Environmental Conditions and Clothing on Temperature Rise in a Human Body Exposed to Radio Frequency Electromagnetic Fields. IEEE Transactions on Biomedical Engineering, 2015, 62, 627-637.	2.5	18
386	Design of an all-textile circular patch antenna with corrugated ground for guided wave along the body surface for WBAN applications. Journal of Electromagnetic Waves and Applications, 2015, 29, 905-924.	1.0	9
387	Deep transcranial magnetic stimulation using figure-of-eight and Halo coils. , 2015, , .		4
388	Comparison of local transmit antennas for extremity imaging in MRI. , 2015, , .		1
389	Modeling of MRI-induced heating in pacemaker patients during 1.5T MRI scans. , 2015, , .		1
390	Dose estimations for Iranian 11-year-old pediatric phantoms undergoing computed tomography examinations. Journal of Radiation Research, 2015, 56, 646-655.	0.8	6
391	FAST ASSESSMENT OF RF POWER ABSORPTION IN INDOOR ENVIRONMENTS BY ROOM ELECTROMAGNETICS THEORY. Radiation Protection Dosimetry, 2015, 171, 477-482.	0.4	0
392	Deep Transcranial Magnetic Stimulation Using Figure-of-Eight and Halo Coils. IEEE Transactions on Magnetism, 2015, 51, 1-4.	1.2	20
393	SAR simulations of EMF exposure due to tablet operation close to the user's body. , 2015, , .		8
394	No Effects of Acute Exposure to Wi-Fi Electromagnetic Fields on Spontaneous EEG Activity and Psychomotor Vigilance in Healthy Human Volunteers. Radiation Research, 2015, 184, 568-577.	0.7	22
395	Heating and Safety Concerns of the Radio-Frequency Field in MRI. Current Radiology Reports, 2015, 3, 1.	0.4	24
396	On the Subjective Acceptance during Cardiovascular Magnetic Resonance Imaging at 7.0 Tesla. PLoS ONE, 2015, 10, e0117095.	1.1	14
397	Intersubject assessment of implantable antenna performance for intracranial pressure monitoring. , 2015, 2015, 7196-9.		0
398	Wireless radio channel for intramuscular electrode implants in the control of upper limb prostheses. , 2015, 2015, 4085-8.		3
399	Sensitivity analysis of human phantom models for accurate in-body path-loss model development. , 2015, , .		1
400	Experience with magnetic resonance imaging of human subjects with passive implants and tattoos at 7 T: a retrospective study. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 577-590.	1.1	29

#	ARTICLE	IF	CITATIONS
401	In Reply to Wang etÂal. International Journal of Radiation Oncology Biology Physics, 2015, 93, 211-213.	0.4	0
402	Convex optimization of MRI exposure for mitigation of RF-heating from active medical implants. Physics in Medicine and Biology, 2015, 60, 7293-7308.	1.6	18
403	New VHP-Female v. 2.0 full-body computational phantom and its performance metrics using FEM simulator ANSYS HFSS. , 2015, 2015, 3237-41.		21
404	Transcranial Direct Current Stimulation: Personalizing the neuromodulation. , 2015, 2015, 234-7.		3
405	A Technique to Evaluate MRI-Induced Electric Fields at the Ends of Practical Implanted Lead. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 305-313.	2.9	103
406	Impact of head morphology on local brain specific absorption rate from exposure to mobile phone radiation. Bioelectromagnetics, 2015, 36, 66-76.	0.9	18
407	Antennas and Propagation for In-Mouth Tongue-Controlled Devices in Wireless Body Area Networks. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1518-1521.	2.4	9
408	Generation of infant anatomical models for evaluating electromagnetic field exposures. Bioelectromagnetics, 2015, 36, 10-26.	0.9	27
409	New approach based on tetrahedral-mesh geometry for accurate 4D Monte Carlo patient-dose calculation. Physics in Medicine and Biology, 2015, 60, 1601-1612.	1.6	10
410	Radiofrequency configuration to facilitate bilateral breast ³¹ P MR spectroscopic imaging and high-resolution MRI at 7 Tesla. Magnetic Resonance in Medicine, 2015, 74, 1803-1810.	1.9	26
411	A Microwave Imaging-Based Technique to Localize an In-Body RF Source for Biomedical Applications. IEEE Transactions on Biomedical Engineering, 2015, 62, 1231-1241.	2.5	38
412	Determinants of the electric field during transcranial direct current stimulation. NeuroImage, 2015, 109, 140-150.	2.1	529
413	The discrepancy between maximum in vitro exposure levels and realistic conservative exposure levels of mobile phones operating at 900/1800 MHz. Bioelectromagnetics, 2015, 36, 133-148.	0.9	11
414	Computational dosimetry for child and adult human models due to contact current from 10 Hz to 110 MHz. Radiation Protection Dosimetry, 2015, 167, 642-652.	0.4	5
415	CSI-EPT: A Contrast Source Inversion Approach for Improved MRI-Based Electric Properties Tomography. IEEE Transactions on Medical Imaging, 2015, 34, 1788-1796.	5.4	86
416	Deep brain transcranial magnetic stimulation using variable "Halo coil" system. Journal of Applied Physics, 2015, 117, .	1.1	16
417	On the safety margin of using simplified human head models for local SAR simulations of B1-shimming at 7 Tesla. Magnetic Resonance Imaging, 2015, 33, 779-786.	1.0	3
418	Whole-Body Averaged Specific Absorption Rate Estimation Using a Personal, Distributed Exposimeter. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1534-1537.	2.4	10

#	ARTICLE	IF	CITATIONS
419	In-to-Out Body Antenna-Independent Path Loss Model for Multilayered Tissues and Heterogeneous Medium. <i>Sensors</i> , 2015, 15, 408-421.	2.1	29
420	Motion-Induced Fields in Magnetic Resonance Imaging: Are the Dielectric Currents Really Negligible?. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	0.6	9
421	A Novel Method to Decrease Electric Field and SAR Using an External High Dielectric Sleeve at 3 T Head MRI: Numerical and Experimental Results. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1063-1069.	2.5	13
422	Electromagnetic fields in body by wireless inductive system. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , 2015, 34, 590-595.	0.5	3
423	Non-Invasive UWB Sensing of Astronauts's Breathing Activity. <i>Sensors</i> , 2015, 15, 565-591.	2.1	26
424	Engineering for safety assurance in MRI: analytical, numerical and experimental dosimetry. <i>Magnetic Resonance Imaging</i> , 2015, 33, 681-689.	1.0	13
425	Iterative multi-channel radio frequency pulse calibration with improving B1 field uniformity in high field MRI. <i>BioMedical Engineering OnLine</i> , 2015, 14, 15.	1.3	3
426	Evaluation of human exposure to complex waveform magnetic fields generated by arc-welding equipment according to European safety standards. <i>Radiation Protection Dosimetry</i> , 2015, 163, 292-305.	0.4	1
427	MRI interactions of a fully implantable pressure monitoring device. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1441-1449.	1.9	7
428	Typical exposure of children to EMF: exposimetry and dosimetry. <i>Radiation Protection Dosimetry</i> , 2015, 163, 70-80.	0.4	21
429	On-Body Calibration and Measurements Using a Personal, Distributed Exposimeter for Wireless Fidelity. <i>Health Physics</i> , 2015, 108, 407-418.	0.3	16
430	Assessment methodologies of child exposure in realistic wireless contexts. , 2015, , .		0
431	SAR calculation in semi-homogeneous human models of pregnancy for RF exposure. , 2015, , .		4
432	Sensitivity of Whole-Body Dosimetry to Channel Model Parameters. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 3654-3661.	3.1	1
433	An Efficient Approach to Estimate MRI RF Field Induced <i>In Vivo</i> Heating for Small Medical Implants. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015, 57, 643-650.	1.4	17
434	SAR Comparison of SAM Phantom and Anatomical Head Models for a Typical Bar-Type Phone Model. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2015, 57, 1281-1284.	1.4	18
435	Compliance Testing Methodology for Wireless Power Transfer Systems. <i>IEEE Transactions on Power Electronics</i> , 2015, 30, 6264-6273.	5.4	32
436	Textile antenna with EBC structure for body surface wave enhancement. <i>Electronics Letters</i> , 2015, 51, 1131-1132.	0.5	32

#	ARTICLE	IF	CITATIONS
437	Deep transcranial magnetic stimulation for the treatment of neuropsychiatric disorders in elderly people: Electric field assessment. , 2015, , .		5
438	Numerical simulations in virtual anatomical models: The devil is in the details. , 2015, , .		0
440	SAR distribution for a strongly coupled resonant wireless power transfer system. , 2015, , .		2
441	Computational Study Toward Deep Transcranial Magnetic Stimulation Using Coaxial Circular Coils. IEEE Transactions on Biomedical Engineering, 2015, 62, 2911-2919.	2.5	21
442	Multi-GPU Accelerated Admittance Method for High-Resolution Human Exposure Evaluation. IEEE Transactions on Biomedical Engineering, 2015, 62, 2920-2930.	2.5	5
443	Parallel transmit pulse design for patients with deep brain stimulation implants. Magnetic Resonance in Medicine, 2015, 73, 1896-1903.	1.9	56
444	MRI and ³¹ P magnetic resonance spectroscopy hardware for axillary lymph node investigation at 7T. Magnetic Resonance in Medicine, 2015, 73, 2038-2046.	1.9	10
445	Simultaneous EEG&fMRI at ultra-high field: Artifact prevention and safety assessment. NeuroImage, 2015, 105, 132-144.	2.1	63
446	Electromagnetic therapeutic coils design to reduce energy loss. E3S Web of Conferences, 2016, 10, 00084.	0.2	3
448	Modeling the pelvic region for non-invasive pelvic intraoperative neuromonitoring. Current Directions in Biomedical Engineering, 2016, 2, 185-188.	0.2	1
449	Non-Invasive in vivo Loss Tangent Imaging: Thermal Sensitivity Estimation at the Larmor Frequency. Investigative Magnetic Resonance Imaging, 2016, 20, 36.	0.2	0
450	Cerebellar and Spinal Direct Current Stimulation in Children: Computational Modeling of the Induced Electric Field. Frontiers in Human Neuroscience, 2016, 10, 522.	1.0	41
451	A Personal, Distributed Exposimeter: Procedure for Design, Calibration, Validation, and Application. Sensors, 2016, 16, 180.	2.1	10
452	Local Multi-Channel RF Surface Coil versus Body RF Coil Transmission for Cardiac Magnetic Resonance at 3 Tesla: Which Configuration Is Winning the Game?. PLoS ONE, 2016, 11, e0161863.	1.1	22
453	Monitoring the heart with ultra-wideband microwave signals: evaluation with a semi-dynamic heart model. Biomedical Physics and Engineering Express, 2016, 2, 035011.	0.6	4
454	Simple estimation of induced electric fields in nervous system tissues for human exposure to non-uniform electric fields at power frequency. Physics in Medicine and Biology, 2016, 61, 4438-4451.	1.6	13
455	¹³ C MRS of human brain at 7 T esla using [² â€• ¹³ C]glucose infusion and low power broadband stochastic proton decoupling. Magnetic Resonance in Medicine, 2016, 75, 954-961.	1.9	22
456	Numerically simulated exposure of children and adults to pulsed gradient fields in MRI. Journal of Magnetic Resonance Imaging, 2016, 44, 1360-1367.	1.9	7

#	ARTICLE	IF	CITATIONS
457	Electric field induced in the human body by uniform 50 Hz electric or magnetic fields: bibliography analysis and method for conservatively deriving measurable limits. Journal of Radiological Protection, 2016, 36, 419-436.	0.6	7
458	Three-layered radio frequency coil arrangement for sodium MRI of the human brain at 9.4 Tesla. Magnetic Resonance in Medicine, 2016, 75, 906-916.	1.9	48
459	A theoretical approach based on electromagnetic scattering for analysing dielectric shimming in high-field MRI. Magnetic Resonance in Medicine, 2016, 75, 2185-2194.	1.9	23
460	Virtual population-based assessment of the impact of 3 Tesla radiofrequency shimming and thermoregulation on safety and B ₁ uniformity. Magnetic Resonance in Medicine, 2016, 76, 986-997.	1.9	42
461	Assessment of exposure to MRI motion-induced fields based on the International Commission on Non-ionizing Radiation Protection (ICNIRP) guidelines. Magnetic Resonance in Medicine, 2016, 76, 1291-1300.	1.9	13
462	Safety testing and operational procedures for self-developed radiofrequency coils. NMR in Biomedicine, 2016, 29, 1131-1144.	1.6	91
463	A Pilot Study Into the Use of FDG-mNP as an Alternative Approach in Neuroblastoma Cell Hyperthermia. IEEE Transactions on Nanobioscience, 2016, 15, 517-525.	2.2	13
464	A new sequence for shaped voxel spectroscopy in the human brain using 2D spatially selective excitation and parallel transmission. NMR in Biomedicine, 2016, 29, 1028-1037.	1.6	8
465	Large scale study on the variation of RF energy absorption in the head & brain regions of adults and children and evaluation of the SAM phantom conservativeness. Physics in Medicine and Biology, 2016, 61, 2991-3008.	1.6	62
466	Electrical safety in arc welding processes. , 2016, , .		1
468	The effect of inter-electrode distance on the electric field distribution during transcutaneous lumbar spinal cord direct current stimulation. , 2016, 2016, 1754-1757.		6
469	On the sensitivity of the skull thickness for the SAR assessment in the intracranial tissues. , 2016, , .		1
470	Influence of electrode configuration on the electric field distribution during transcutaneous spinal direct current stimulation of the cervical spine. , 2016, 2016, 3121-3124.		5
471	Ultra-high field RF coil development for evaluating upper extremity imaging applications. NMR in Biomedicine, 2016, 29, 1768-1779.	1.6	10
472	Dosimetry of ultra-high voltage transmission power lines with AC-750 kV. , 2016, , .		0
473	Computational estimation of the induced electric fields in visual tissues by circular-Halo coil. , 2016, , .		0
474	VHP-Female full-body human CAD model for cross-platform FEM simulations – Recent development and validations. , 2016, 2016, 2232-2235.		15
475	Effect of dispersive and high precision age-dependent dielectric properties on SAR assessments. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
476	Assessment of the occupational exposure to the magnetic field produced by spot welding guns in controlled environment and actual working conditions. , 2016, , .		1
477	RF-induced heating comparison between in-vivo and in-phantom for 1.5T MRI. , 2016, , .		7
478	Human exposure assessment in dynamic inductive power transfer for automotive applications. , 2016, , .		0
479	Numerical compliance testing of human exposure to electromagnetic radiation from smart-watches. Physics in Medicine and Biology, 2016, 61, 6975-6992.	1.6	2
480	MR conditional safety assessment of implanted medical devices: Advantages of computational human phantoms. , 2016, 2016, 6465-6468.		7
481	TLM numerical thermal dosimetry in realistic environment. , 2016, , .		1
482	Functionalized anatomical models for EM-neuron Interaction modeling. Physics in Medicine and Biology, 2016, 61, 4390-4401.	1.6	19
483	A nested phosphorus and proton coil array for brain magnetic resonance imaging and spectroscopy. NeuroImage, 2016, 124, 602-611.	2.1	19
484	On the importance of body posture and skin modelling with respect to <i>in situ</i> electric field strengths in magnetic field exposure scenarios. Physics in Medicine and Biology, 2016, 61, 4412-4437.	1.6	16
485	Time resolved dosimetry of human brain exposed to low frequency pulsed magnetic fields. Physics in Medicine and Biology, 2016, 61, 4452-4465.	1.6	5
486	Investigation of assumptions underlying current safety guidelines on EM-induced nerve stimulation. Physics in Medicine and Biology, 2016, 61, 4466-4478.	1.6	14
487	An All-Textile SIW Cavity-Backed Circular Ring-Slot Antenna for WBAN Applications. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1995-1999.	2.4	90
488	Calculation of Human Body Resistance at Power Frequency Using Anatomic Numerical Human Model. Energy Procedia, 2016, 89, 401-407.	1.8	6
489	A comparison of human body compensation models for RSSI based localization and tracking. , 2016, , .		0
490	Wireless body area networks numerical, experimental and approximate characterization. , 2016, , .		1
491	Effects of anatomical differences on electromagnetic fields, <i>SAR</i> , and temperature change. Concepts in Magnetic Resonance Part B, 2016, 46, 8-18.	0.3	26
492	Combination of a multimode antenna and <i>TIAMO</i> for traveling wave imaging at 9.4 <i>GHz</i> . Magnetic Resonance in Medicine, 2016, 75, 452-462.	1.9	8
493	Contributions to 3D differential microwave imaging. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
494	Study of specific absorption rate (SAR) induced in human endocrine glands for using mobile phones. , 2016, , .		2
495	Practical improvements in the design of high permittivity pads for dielectric shimming in neuroimaging at 7 T. Journal of Magnetic Resonance, 2016, 270, 108-114.	1.2	35
496	Numerical calculation of specific absorption rate for smart-watch with planar inverted F antenna. , 2016, , .		0
497	Currents flowing through the human body: The numerical viewpoint. , 2016, , .		2
498	Age-dependent of electromagnetic absorption in human endocrine glands for using mobile phones. , 2016, , .		1
499	Relationship between peak spatial-averaged specific absorption rate and peak temperature elevation in human head in frequency range of 1â€“30 GHz. Physics in Medicine and Biology, 2016, 61, 5406-5425.	1.6	39
500	Deep transcranial magnetic stimulation using the semi-Halo coil. , 2016, , .		3
501	Deep transcranial magnetic stimulation using deformed halo-circular assembly coil. , 2016, , .		2
502	Covering Population Variability: Morphing of Computation Anatomical Models. Lecture Notes in Computer Science, 2016, , 13-22.	1.0	4
503	From Image-Based Modeling to the Modeling of Imaging with the Virtual Population. Lecture Notes in Computer Science, 2016, , 45-54.	1.0	1
504	Computational models of non-invasive brain and spinal cord stimulation. , 2016, 2016, 6457-6460.		9
505	Evaluation of SARs in a human-body model due to smart-watch wearable device. , 2016, , .		2
506	Wireless power transfer in presence of a body. , 2016, , .		0
507	TLM computation of temperature distribution in human head exposed to electromagnetic waves. , 2016, , .		3
508	Multiparametric imaging with heterogeneous radiofrequency fields. Nature Communications, 2016, 7, 12445.	5.8	144
509	High dielectric material in MRI: Numerical assessment of the reduction of the induced local power on implanted cardiac leads. , 2016, 2016, 2361-2364.		7
510	In-to-out body path loss for wireless radio frequency capsule endoscopy in a human body. , 2016, 2016, 3048-3051.		3
511	On the born approximation for differential microwave imaging using volume integral equation formulation. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
512	Norm Characterization for Body-Centric Networks. IEEE Access, 2016, 4, 3195-3200.	2.6	0
514	On-body calibration and measurements using personal radiofrequency exposimeters in indoor diffuse and specular environments. Bioelectromagnetics, 2016, 37, 298-309.	0.9	31
515	The Influence of Averaging Schemes and Exposure Duration on the Correlation Between Temperature Elevation and RF Power Absorption Metrics in MRI Scans [Health Matters]. IEEE Microwave Magazine, 2016, 17, 14-22.	0.7	2
516	COMPUTATIONAL ASSESSMENT OF PREGNANT WOMAN MODELS EXPOSED TO UNIFORM ELF-MAGNETIC FIELDS: COMPLIANCE WITH THE EUROPEAN CURRENT EXPOSURE REGULATIONS FOR THE GENERAL PUBLIC AND OCCUPATIONAL EXPOSURES AT 50 Hz. Radiation Protection Dosimetry, 2016, 172, 382-392.	0.4	1
517	Experimental and numerical analysis of B ₁₊ field and SAR with a new transmit array design for 7 T breast MRI. Journal of Magnetic Resonance, 2016, 269, 55-64.	1.2	19
518	Personal radio-frequency exposimeters in indoor diffuse environments: Measurement and simulation. , 2016, , .		0
519	Electrodynamics and radiofrequency antenna concepts for human magnetic resonance at 23.5Â (1ÂGHz) and beyond. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 641-656.	1.1	28
520	Development and evaluation of a multichannel endorectal RF coil for prostate MRI at 7T in combination with an external surface array. Journal of Magnetic Resonance Imaging, 2016, 43, 1279-1287.	1.9	19
521	The fractionated dipole antenna: A new antenna for body imaging at 7 T. Magnetic Resonance in Medicine, 2016, 75, 1366-1374.	1.9	181
522	16-channel bow tie antenna transceiver array for cardiac MR at 7.0 tesla. Magnetic Resonance in Medicine, 2016, 75, 2553-2565.	1.9	72
523	Passive radiofrequency shimming in the thighs at 3 Tesla using high permittivity materials and body coil receive uniformity correction. Magnetic Resonance in Medicine, 2016, 76, 1951-1956.	1.9	13
524	¹ H MRS in the human spinal cord at 7T using a dielectric waveguide transmitter, RF shimming and a high density receive array. NMR in Biomedicine, 2016, 29, 1231-1239.	1.6	14
525	Whether human cardiac and body magnetic resonance at ultrahigh fields? technical advances, practical considerations, applications, and clinical opportunities. NMR in Biomedicine, 2016, 29, 1173-1197.	1.6	40
526	Fast Electromagnetic Analysis of MRI Transmit RF Coils Based on Accelerated Integral Equation Methods. IEEE Transactions on Biomedical Engineering, 2016, 63, 2250-2261.	2.5	34
527	A new approach for electrical properties estimation using a global integral equation and improvements using high permittivity materials. Journal of Magnetic Resonance, 2016, 262, 8-14.	1.2	23
528	Wireless Power Transfer Charging System for AIMDs and Pacemakers. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 633-642.	2.9	192
529	A technical guide to tDCS, and related non-invasive brain stimulation tools. Clinical Neurophysiology, 2016, 127, 1031-1048.	0.7	998
530	Evaluation of the Electric Field Induced in Transcranial Magnetic Stimulation Operators. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	14

#	ARTICLE	IF	CITATIONS
531	A Potential-Based Formulation for Motion-Induced Electric Fields in MRI. IEEE Transactions on Magnetism, 2016, 52, 1-4.	1.2	5
532	Enhanced Indoor Location Tracking Through Body Shadowing Compensation. IEEE Sensors Journal, 2016, 16, 2105-2114.	2.4	19
533	Infants and young children modeling method for numerical dosimetry studies: application to plane wave exposure. Physics in Medicine and Biology, 2016, 61, 1500-1514.	1.6	3
534	31P CSI of the human brain in healthy subjects and tumor patients at 9.4T with a three-layered multi-nuclear coil: initial results. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 579-589.	1.1	31
535	A Novel Methodology to Evaluate Uplink Exposure by Personal Devices in Wireless Networks. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 896-906.	1.4	4
536	Improvements in RF Shimming in High Field MRI Using High Permittivity Materials With Low Order Pre-Fractal Geometries. IEEE Transactions on Medical Imaging, 2016, 35, 1837-1844.	5.4	11
537	Breath Activity Monitoring With Wearable UWB Radars: Measurement and Analysis of the Pulses Reflected by the Human Body. IEEE Transactions on Biomedical Engineering, 2016, 63, 1447-1454.	2.5	29
538	Deep Transcranial Magnetic Stimulation: Modeling of Different Coil Configurations. IEEE Transactions on Biomedical Engineering, 2016, 63, 1543-1550.	2.5	76
539	Assessment of Electric-Field Exposure Using Reliability Analysis. IEEE Transactions on Power Delivery, 2016, 31, 1510-1516.	2.9	1
540	Dosimetry of electromagnetic field exposure of an active armband and its electromagnetic interference to the cardiac pacemakers using adult, child and infant models. Electromagnetic Biology and Medicine, 2016, 35, 120-125.	0.7	3
541	Local specific absorption rate in brain tumors at 7 tesla. Magnetic Resonance in Medicine, 2016, 75, 381-389.	1.9	15
542	A Computational Model of the Electric Field Distribution due to Regional Personalized or Nonpersonalized Electrodes to Select Transcranial Electric Stimulation Target. IEEE Transactions on Biomedical Engineering, 2017, 64, 184-195.	2.5	30
543	Efficient Simultaneous Reconstruction of Time-Varying Images and Electrode Contact Impedances in Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2017, 64, 795-806.	2.5	28
544	B1-based SAR reconstruction using contrast source inversion—electric properties tomography (CSI-EPT). Medical and Biological Engineering and Computing, 2017, 55, 225-233.	1.6	11
545	Validating subject-specific RF and thermal simulations in the calf muscle using MR-based temperature measurements. Magnetic Resonance in Medicine, 2017, 77, 1691-1700.	1.9	14
546	A comprehensive numerical analysis of background phase correction with V-SHARP. NMR in Biomedicine, 2017, 30, e3550.	1.6	65
547	Single-step quantitative susceptibility mapping with variational penalties. NMR in Biomedicine, 2017, 30, e3570.	1.6	50
548	Improving peak local SAR prediction in parallel transmit using in situ S-matrix measurements. Magnetic Resonance in Medicine, 2017, 77, 2040-2047.	1.9	13

#	ARTICLE	IF	CITATIONS
549	A 16-channel combined loop-dipole transceiver array for 7 Tesla body MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 884-894.	1.9	138
550	Pregnant women models analyzed for RF exposure and temperature increase in 3T shimmed birdcages. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2048-2056.	1.9	42
551	The Effect of Contrast Material on Radiation Dose at CT: Part I. Incorporation of Contrast Material Dynamics in Anthropomorphic Phantoms. <i>Radiology</i> , 2017, 283, 739-748.	3.6	40
552	Electromagnetic computation and modeling in MRI. <i>Medical Physics</i> , 2017, 44, 1186-1203.	1.6	12
553	Derivation of Coupling Factors for Different Wireless Power Transfer Systems: Inter- and Intralaboratory Comparison. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017, 59, 677-685.	1.4	27
554	ELF exposure from mobile and cordless phones for the epidemiological MOBI-Kids study. <i>Environment International</i> , 2017, 101, 59-69.	4.8	7
555	Dosimetry applications in GATE Monte Carlo toolkit. <i>Physica Medica</i> , 2017, 41, 136-140.	0.4	42
556	Time constants for temperature elevation in human models exposed to dipole antennas and beams in the frequency range from 1 to 30 GHz. <i>Physics in Medicine and Biology</i> , 2017, 62, 1676-1699.	1.6	43
557	Electric field estimation of deep transcranial magnetic stimulation clinically used for the treatment of neuropsychiatric disorders in anatomical head models. <i>Medical Engineering and Physics</i> , 2017, 43, 30-38.	0.8	25
558	Mobile phone types and SAR characteristics of the human brain. <i>Physics in Medicine and Biology</i> , 2017, 62, 2741-2761.	1.6	23
559	Radiofrequency exposure near an attocell as part of an ultra-high density access network. <i>Bioelectromagnetics</i> , 2017, 38, 295-306.	0.9	4
560	CSI-EPT in Presence of RF-Shield for MR-Coils. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 1396-1404.	5.4	16
561	A Co-Simulation Scalar-Potential Finite Difference Method for the Numerical Analysis of Human Exposure to Magneto-Quasi-Static Fields. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	13
562	Human Exposure Assessment in Dynamic Inductive Power Transfer for Automotive Applications. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	41
563	RF Safety Evaluation of a Breast Tissue Expander Device for MRI: Numerical Simulation and Experiment. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017, 59, 1390-1399.	1.4	5
564	Radio-frequency coils for ultra-high field magnetic resonance. <i>Analytical Biochemistry</i> , 2017, 529, 10-16.	1.1	12
565	EBG-Backed Flexible Printed Yagi-Uda Antenna for On-Body Communication. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 3762-3765.	3.1	65
566	Assessment of fetal exposure to 4G LTE tablet in realistic scenarios using stochastic dosimetry. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
567	A purpose-built neck coil for black-blood DANTE-prepared carotid artery imaging at 7 T. <i>Magnetic Resonance Imaging</i> , 2017, 40, 53-61.	1.0	7
568	The ultimate signal-to-noise ratio in realistic body models. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1969-1980.	1.9	61
569	H-Matrix Sparsification Applied to Bioelectromagnetic Analysis of Large Scale Human Models. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	1
570	Flexible and compact hybrid metasurfaces for enhanced ultra high field in vivo magnetic resonance imaging. <i>Scientific Reports</i> , 2017, 7, 1678.	1.6	81
571	Modeling trans-spinal direct current stimulation for the modulation of the lumbar spinal motor pathways. <i>Journal of Neural Engineering</i> , 2017, 14, 056014.	1.8	36
572	Wireless power transfer: Are children more exposed than adults?. , 2017, , .		5
573	Evaluation of currents induced in human body by plane wave exposure at 190 MHz. , 2017, , .		1
574	The impact of overhead lines for employees with stents. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 200, 012013.	0.3	9
575	Statistical analysis and surrogate modeling of indoor exposure induced from a WLAN source. , 2017, , .		7
576	Effect of adverse environmental conditions and protective clothing on temperature rise in a human body exposed to radiofrequency electromagnetic fields. <i>Bioelectromagnetics</i> , 2017, 38, 356-363.	0.9	8
577	Radiofrequency Exposures of Workers on Low-Power FM Radio Transmitters. <i>Annals of Work Exposures and Health</i> , 2017, 61, 457-467.	0.6	1
578	Douglas's Gunn Method Applied to Dosimetric Assessment in Magnetic Resonance Imaging. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	7
579	Improvement of Electromagnetic Field Distributions Using High Dielectric Constant (HDC) Materials for CTL-Spine MRI: Numerical Simulations and Experiments. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017, 59, 1382-1389.	1.4	5
580	Evaluation of transmit efficiency and SAR for a tight fit transceiver human head phased array at 9.4T. <i>NMR in Biomedicine</i> , 2017, 30, e3680.	1.6	34
581	Combination of visual and symbolic knowledge: A survey in anatomy. <i>Computers in Biology and Medicine</i> , 2017, 80, 148-157.	3.9	1
582	A Dissipative Systems Theory for FDTD With Application to Stability Analysis and Subgridding. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 751-762.	3.1	15
583	Computational Dosimetry of the Human Head Exposed to Near-Field Microwaves Using Measured Blood Flow. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017, 59, 739-746.	1.4	15
584	An Efficient Methodology for the Analysis of Dielectric Shimming Materials in Magnetic Resonance Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 666-673.	5.4	16

#	ARTICLE	IF	CITATIONS
585	Systematic Numerical Analysis of Magnetic Field Partial Body Exposure and Comparison With Occupational Exposure Limit Values According to European Directive 2013/35/EU. <i>Health Physics</i> , 2017, 113, 404-410.	0.3	1
586	An 8-channel transceiver 7-channel receive <sc>RF</sc> coil setup for high <sc>SNR</sc> ultrahigh-field <sc>MRI</sc> of the shoulder at 7T. <i>Medical Physics</i> , 2017, 44, 6195-6208.	1.6	9
587	An open-label, one-arm, dose-escalation study to evaluate safety and tolerability of extremely low frequency magnetic fields in acute ischemic stroke. <i>Scientific Reports</i> , 2017, 7, 12145.	1.6	11
588	Experimental Optimization of Exposure Index and Quality of Service in Wlan Networks. <i>Radiation Protection Dosimetry</i> , 2017, 175, 394-405.	0.4	2
589	Effects of body habitus on internal radiation dose calculations using the 5-year-old anthropomorphic male models. <i>Physics in Medicine and Biology</i> , 2017, 62, 6185-6206.	1.6	6
590	Development of a paediatric head voxel model database for dosimetric applications. <i>British Journal of Radiology</i> , 2017, 90, 20170051.	1.0	8
591	Assessment of Fetal Exposure to 4G LTE Tablet in Realistic Scenarios: Effect of Position, Gestational Age, and Frequency. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2017, 1, 26-33.	2.3	25
592	Design Aspects of Body-Worn UWB Antenna for Body-Centric Communication: A Review. <i>Wireless Personal Communications</i> , 2017, 97, 5865-5895.	1.8	9
593	A thin-film-based wearable antenna array for breast microwave imaging and diagnosis. , 2017, , .		5
594	Monte Carlo Method for Uncertainty Propagation in Magnetic Resonance-Based Electric Properties Tomography. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	1.2	8
595	Virtual Human Models for Electromagnetic Studies and Their Applications. <i>IEEE Reviews in Biomedical Engineering</i> , 2017, 10, 95-121.	13.1	89
596	Demonstration of 2 mm Thick Microcontrolled Injectable Stimulators Based on Rectification of High Frequency Current Bursts. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2017, 25, 1343-1352.	2.7	20
597	Arc Welding Processes: An Electrical Safety Analysis. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 819-825.	3.3	10
598	Currents Passing Through the Human Body: The Numerical Viewpoint. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 826-832.	3.3	6
599	Potential for high-permittivity materials to reduce local SAR at a pacemaker lead tip during MRI of the head with a body transmit coil at 3%T. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 383-386.	1.9	20
600	Alternative Approaches to Magnetic Resonance-Based Electric Properties Tomography and Local Specific Absorption Rate Estimation. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-8.	1.2	6
601	Toward imaging the body at 10.5 tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 434-443.	1.9	79
602	Contrast enhanced renal MR angiography at 7 Tesla: How much gadolinium do we need?. <i>European Journal of Radiology</i> , 2017, 86, 76-82.	1.2	7

#	ARTICLE	IF	CITATIONS
603	Myocardial effective transverse relaxation time T2* Correlates with left ventricular wall thickness: A 7.0 T MRI study. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2381-2389.	1.9	21
604	Measured body composition and geometrical data of four "virtual family" members for thermoregulatory modeling. <i>International Journal of Biometeorology</i> , 2017, 61, 477-486.	1.3	11
605	Design Methodology of a Printed WPT System for HF-Band Mid-Range Applications Considering Human Safety Regulations. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 270-279.	2.9	23
606	A method to approximate maximum local SAR in multichannel transmit MR systems without transmit phase information. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 805-811.	1.9	8
607	Multi-Disciplinary Challenges in Tissue Modeling for Wireless Electromagnetic Powering: A Review. <i>IEEE Sensors Journal</i> , 2017, 17, 6498-6509.	2.4	29
608	Optimization-based strategy in multiple-channel magnetic resonance systems operating at 128 MHz to reduce radiofrequency heating induced by active implantable medical devices. , 2017, , .		1
609	Electrical Properties Tomography Based on $B_{1\rho}$ Maps in MRI: Principles, Applications, and Challenges. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2515-2530.	2.5	57
611	Numerical analysis for infant's unintentional exposure to 3.5 GHz plane wave radiofrequency electromagnetic fields by field test of fifth generation wireless technologies. <i>Radio Science</i> , 2017, 52, 1140-1148.	0.8	0
612	Building a high resolution surface-based human head and torso model for evaluation of specific absorption rates in MRI. , 2017, , .		6
613	Optimization of microwave hyperthermia applicator system for deep placed tumors treatment in head and neck area. , 2017, , .		0
614	Evaluation of Children's Exposure to Electromagnetic Fields of Mobile Phones Using Age-Specific Head Models With Age-Dependent Dielectric Properties. <i>IEEE Access</i> , 2017, 5, 27345-27353.	2.6	4
615	Non-Foster impedance matching of an electrically small loop antenna for biomedical telemetry. , 2017, , .		1
616	Designing High-Permittivity Pads for Dielectric Shimming in MRI using Model Order Reduction and Gauss-Newton Optimization. , 2017, , .		0
617	Virtual Humans for antenna/implant modeling. , 2017, , .		2
618	Thermal risks due to land vehicle radioelectric exposure: Results of Thales research and study for military purpose. , 2017, , .		2
619	Electrical properties tomography using contrast source inversion techniques. , 2017, , .		0
620	Stochastic dosimetry for the assessment of the fetal exposure to 4G LTE tablet in realistic scenarios. , 2017, , .		1
621	Safety assessment of ultra-high voltage transmission power lines with AC-750 kV. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
622	A study SARs for smart-watch model with monopole antenna. , 2017, , .		2
623	Surrogate model based on polynomial chaos of indoor exposure induced from a WLAN source. , 2017, , .		2
624	Deep transcranial magnetic stimulation with improved focality using figure-of-eight and Halo coils. , 2017, , .		0
625	MULTILAYERED BROADBAND ANTENNA FOR COMPACT EMBEDDED IMPLANTABLE MEDICAL DEVICES: DESIGN AND CHARACTERIZATION. Progress in Electromagnetics Research, 2017, 159, 1-13.	1.6	10
626	An approach to stable inversion of LPTV systems with application to a position-dependent motion system. , 2017, , .		2
627	Analysis of an Integrated 8-Channel Tx/Rx Body Array for Use as a Body Coil in 7-Tesla MRI. Frontiers in Physics, 2017, 5, .	1.0	16
628	Modeling and Characterization of the Uplink and Downlink Exposure in Wireless Networks. International Journal of Antennas and Propagation, 2017, 2017, 1-15.	0.7	4
629	1.5 versus 3 versus 7 Tesla in abdominal MRI: A comparative study. PLoS ONE, 2017, 12, e0187528.	1.1	30
630	Comparison of the induced fields using different coil configurations during deep transcranial magnetic stimulation. PLoS ONE, 2017, 12, e0178422.	1.1	95
631	Automated modification and fusion of voxel models to construct body phantoms with heterogeneous breast tissue: Application to MRI simulations. Journal of Biomedical Graphics and Computing, 2017, 7, 1.	0.2	7
632	Non-Uniform Magnetic Field Exposure Assessment Using Coupling Factors Based on 3-D Anatomical Human Model. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	0
633	Exposure of Insects to Radio-Frequency Electromagnetic Fields from 2 to 120â€‰GHz. Scientific Reports, 2018, 8, 3924.	1.6	52
634	DEVELOPMENT OF A SET OF MESH-BASED AND AGE-DEPENDENT CHINESE PHANTOMS AND APPLICATION FOR CT DOSE CALCULATIONS. Radiation Protection Dosimetry, 2018, 179, 370-382.	0.4	6
635	An 8/15â€‰channel Tx/Rx head neck RF coil combination with regionâ€‰specific B_{1+} shimming for wholeâ€‰brain MRI focused on the cerebellum at 7T. Magnetic Resonance in Medicine, 2018, 80, 1252-1265.	1.9	19
636	Electroconvulsive therapy (ECT) during pregnancy: quantifying and assessing the electric field strength inside the foetal brain. Scientific Reports, 2018, 8, 4128.	1.6	7
637	How Safe Are Spot Welding Guns to Use?: An Analysis of Occupational Exposure to Their Magnetic Field. IEEE Industry Applications Magazine, 2018, 24, 39-47.	0.3	5
638	A simple headâ€‰sized phantom for realistic static and radiofrequency characterization at high fields. Magnetic Resonance in Medicine, 2018, 80, 1738-1745.	1.9	19
639	Comparison of MEMS switches and PIN diodes for switched dual tuned RF coils. Magnetic Resonance in Medicine, 2018, 80, 1746-1753.	1.9	31

#	ARTICLE	IF	CITATIONS
640	7T ultra-high field body MR imaging with an 8-channel transmit/32-channel receive radiofrequency coil array. Medical Physics, 2018, 45, 2978-2990.	1.6	32
641	An analytic expression for the ultimate intrinsic SNR in a uniform sphere. Magnetic Resonance in Medicine, 2018, 80, 2256-2266.	1.9	9
642	Deformable torso phantoms of Chinese adults for personalized anatomy modelling. Journal of Anatomy, 2018, 233, 121-134.	0.9	13
643	Microwave Technology for Brain Imaging and Monitoring: Physical Foundations, Potential and Limitations. , 2018, , 7-35.		19
644	Estimating $\langle B_1 \rangle$ in the breast at 7T using a generic template. NMR in Biomedicine, 2018, 31, e3911.	1.6	3
645	Machine learning RF shimming: Prediction by iteratively projected ridge regression. Magnetic Resonance in Medicine, 2018, 80, 1871-1881.	1.9	25
646	Local Dosimetry Applied to Wireless Power Transfer Around 10 MHz: Dependence on EM Parameters and Tissues Morphology. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 123-130.	2.3	8
647	The ultimate intrinsic signal-to-noise ratio of loop and dipole-like current patterns in a realistic human head model. Magnetic Resonance in Medicine, 2018, 80, 2122-2138.	1.9	27
648	Wireless Power Link Based on Inductive Coupling for Brain Implantable Medical Devices. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 160-163.	2.4	39
649	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.	2.5	16
650	Transcutaneous spinal direct current stimulation of the lumbar and sacral spinal cord: a modelling study. Journal of Neural Engineering, 2018, 15, 036008.	1.8	27
651	Combination of surface and vertical loop elements improves receive performance of a human head transceiver array at 9.4T. NMR in Biomedicine, 2018, 31, e3878.	1.6	28
652	In vivo self-gated ^{23}Na MRI at 7 T using an oval-shaped body resonator. Magnetic Resonance in Medicine, 2018, 80, 1005-1019.	1.9	25
653	Near-Field Inductive-Coupling Link to Power a Three-Dimensional Millimeter-Size Antenna for Brain Implantable Medical Devices. IEEE Transactions on Biomedical Engineering, 2018, 65, 4-14.	2.5	55
654	Phase unwinding for dictionary compression with multiple channel transmission in magnetic resonance fingerprinting. Magnetic Resonance Imaging, 2018, 49, 32-38.	1.0	4
655	Millimeter spatial resolution in vivo sodium MRI of the human eye at 7 T using a dedicated radiofrequency transceiver array. Magnetic Resonance in Medicine, 2018, 80, 672-684.	1.9	6
656	Improved detection of fMRI activation in the cerebellum at 7T with dielectric pads extending the imaging region of a commercial head coil. Journal of Magnetic Resonance Imaging, 2018, 48, 431-440.	1.9	29
657	An 8-channel Tx/Rx dipole array combined with 16 Rx loops for high-resolution functional cardiac imaging at 7T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 7-18.	1.1	42

#	ARTICLE	IF	CITATIONS
658	Ultrawideband Technology for Medical In-Body Sensor Networks: An Overview of the Human Body as a Propagation Medium, Phantoms, and Approaches for Propagation Analysis. IEEE Antennas and Propagation Magazine, 2018, 60, 19-33.	1.2	45
659	Numerical evaluation of human exposure to WiMax patch antenna in tablet or laptop. Bioelectromagnetics, 2018, 39, 414-422.	0.9	2
660	Human Abdomen Path-Loss Modeling and Location Estimation of Wireless Capsule Endoscope Using Round-Trip Propagation Loss. IEEE Sensors Journal, 2018, 18, 3266-3277.	2.4	7
661	Accurate Fourth-Order Debye Model for the Head Tissues Across the 0.1-1 GHz Band Using Metaheuristic Genetic Algorithm. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 79-86.	2.3	6
662	High-Permittivity Pad Design for Dielectric Shimming in Magnetic Resonance Imaging Using Projection-Based Model Reduction and a Nonlinear Optimization Scheme. IEEE Transactions on Medical Imaging, 2018, 37, 1035-1044.	5.4	9
663	Computation of ultimate SAR amplification factors for radiofrequency hyperthermia in non-uniform body models: impact of frequency and tumour location. International Journal of Hyperthermia, 2018, 34, 87-100.	1.1	22
664	Parallel transmit capability of various RF transmit elements and arrays at 7T MRI. Magnetic Resonance in Medicine, 2018, 79, 1116-1126.	1.9	21
665	A numerical investigation on the effect of RF coil feed variability on global and local electromagnetic field exposure in human body models at 64 MHz. Magnetic Resonance in Medicine, 2018, 79, 1135-1144.	1.9	15
666	In vitro and in silico assessment of RF-induced heating around intracranial aneurysm clips at 7 T. Magnetic Resonance in Medicine, 2018, 79, 568-581.	1.9	19
667	SAR Simulations & Safety. NeuroImage, 2018, 168, 33-58.	2.1	82
668	Decoupling of a tight-fit transceiver phased array for human brain imaging at 9.4T: Loop overlapping rediscovered. Magnetic Resonance in Medicine, 2018, 79, 1200-1211.	1.9	26
669	An open channel parallel transmission coil for static and dynamic 7T MRI of the knee and ankle joints at multiple postures. Magnetic Resonance in Medicine, 2018, 79, 1804-1816.	1.9	25
670	Improved image quality and reduced power deposition in the spine at 3 T using extremely high permittivity materials. Magnetic Resonance in Medicine, 2018, 79, 1192-1199.	1.9	21
671	RF Shimming and Improved SAR Safety for MRI at 7 T With Combined Eight-Element Stepped Impedance Resonators and Traveling-Wave Antenna. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 540-555.	2.9	17
672	Approaching ultimate intrinsic signal-to-noise ratio with loop and dipole antennas. Magnetic Resonance in Medicine, 2018, 79, 1789-1803.	1.9	49
673	Improvements of transmit efficiency and receive sensitivity with ultrahigh dielectric constant (uHDC) ceramics at 1.5 T and 3 T. Magnetic Resonance in Medicine, 2018, 79, 2842-2851.	1.9	24
674	Computational Artifacts of the In Situ Electric Field in Anatomical Models Exposed to Low-Frequency Magnetic Field. IEEE Transactions on Electromagnetic Compatibility, 2018, 60, 589-597.	1.4	49
675	Human body models for validation studies of deep hyperthermia. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21207.	0.8	2

#	ARTICLE	IF	CITATIONS
676	Averaged head phantoms from magnetic resonance images of Korean children and young adults. <i>Physics in Medicine and Biology</i> , 2018, 63, 035003.	1.6	11
677	Numerical assessment of low-frequency dosimetry from sampled magnetic fields. <i>Physics in Medicine and Biology</i> , 2018, 63, 015029.	1.6	14
678	Selective proton-observed, carbon-edited (selPOCE) MRS method for measurement of glutamate and glutamine ¹³ C-labeling in the human frontal cortex. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 11-20.	1.9	19
679	Manipulating transmit and receive sensitivities of radiofrequency surface coils using shielded and unshielded high-permittivity materials. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 355-366.	1.1	11
680	Microwave Interstitial Applicator Array for Treatment of Pancreatic Cancer. , 2018, , .		2
681	Numerical Study of Stroke Detection Using UWB Radar. , 2018, , .		3
682	Comparison of Induced Fields in Virtual Human and Rat Heads by Transcranial Magnetic Stimulation. <i>BioMed Research International</i> , 2018, 2018, 1-8.	0.9	14
683	In-vivo and numerical analysis of the eigenmodes produced by a multi-level Tic-Tac-Toe head transmit array for 7 Tesla MRI. <i>PLoS ONE</i> , 2018, 13, e0206127.	1.1	14
685	A Fast Method to Estimate the Total Delivered Power of a 2-Channel MRI Radio Frequency Coil. , 2018, , .		0
686	Functionalized Anatomical Models for Computational Life Sciences. <i>Frontiers in Physiology</i> , 2018, 9, 1594.	1.3	18
687	Intercomparison of <i>In Situ</i> Electric Fields in Human Models Exposed to Spatially Uniform Magnetic Fields. <i>IEEE Access</i> , 2018, 6, 70964-70973.	2.6	22
688	High Resolution Modeling of Magnetic Field Exposure Scenarios in the Vicinity of Inductive Wireless Power Transfer Systems. , 2018, , .		0
689	Design of an 8Ch Dipole Transmit Array for Head Imaging with the use of a High Permittivity Material Helmet Shaped Former. , 2018, , .		0
690	VK-phantom male with 583 structures and female with 459 structures, based on the sectioned images of a male and a female, for computational dosimetry. <i>Journal of Radiation Research</i> , 2018, 59, 338-380.	0.8	13
691	Simulation Study on Coil Design for Transcranial Magnetic Stimulation*. , 2018, 2018, 2174-2177.		1
692	Comparison of Thermal Response for RF Exposure in Human and Rat Models. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2320.	1.2	7
693	Relationship of External Field Strength With Local and Whole-Body Averaged Specific Absorption Rates in Anatomical Human Models. <i>IEEE Access</i> , 2018, 6, 70186-70196.	2.6	12
694	First-Order Induced Current Density Imaging and Electrical Properties Tomography in MRI. <i>IEEE Transactions on Computational Imaging</i> , 2018, 4, 624-631.	2.6	7

#	ARTICLE	IF	CITATIONS
695	[PO49] Moving forward to personalized pediatric dosimetry on computed tomography applications. <i>Physica Medica</i> , 2018, 52, 112-113.	0.4	0
696	The Development of a Mathematical Human Thermal Model. , 2018, , 385-425.		0
697	Advancing Regulatory Science With Computational Modeling for Medical Devices at the FDA's Office of Science and Engineering Laboratories. <i>Frontiers in Medicine</i> , 2018, 5, 241.	1.2	93
698	Radio-Frequency Safety Assessment of Stents in Blood Vessels During Magnetic Resonance Imaging. <i>Frontiers in Physiology</i> , 2018, 9, 1439.	1.3	26
699	Deep Transcranial Magnetic Stimulation for the Addiction Treatment: Electric Field Distribution Modeling. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2018, 2, 242-248.	2.3	19
700	MRI RF-Induced Heating in Heterogeneous Human Body with Implantable Medical Device. , 0, , .		8
701	Human Temperature Control. , 2018, , .		17
702	Wireless Power Transfer: Exposure Assessment for Grounded and Ungrounded Human Body. , 2018, , .		1
703	Wavelet Domain Bootstrap for Testing the Equality of Bivariate Self-Similarity Exponents. , 2018, , .		3
704	CordVIEW II: A New Fine-Diameter Cord-Like Vehicle System for Search and Inspection in Exploring Workspace, Mark II â€œBasic Functional Segments, Integration, and Image/Maneuvering Stabilizerâ€œ. , 2018, , .		0
705	3-D Contrast Source Inversion-Electrical Properties Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2080-2089.	5.4	26
706	Decoupling of a doubleâ€œrow 16â€œelement tightâ€œfit transceiver phased array for human wholeâ€œbrain imaging at 9.4 T. <i>NMR in Biomedicine</i> , 2018, 31, e3964.	1.6	15
707	Fields and current densities induced in the human body by low-frequency electromagnetic fields. , 2018, , .		1
708	Modelling of the Current Density Distributions during Cortical Electric Stimulation for Neuropathic Pain Treatment. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-12.	0.7	5
709	Computational assessment of radiofrequency energy absorption of fetus during an MRI scan. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 045032.	0.6	1
710	Deep Transcranial Magnetic Stimulation: Improved Coil Design and Assessment of the Induced Fields Using MIDA Model. <i>BioMed Research International</i> , 2018, 2018, 1-9.	0.9	19
711	A personalized, Monte Carloâ€œbased method for internal dosimetric evaluation of radiopharmaceuticals in children. <i>Medical Physics</i> , 2018, 45, 3939-3949.	1.6	13
712	Design of a forward view antenna for prostate imaging at 7â€œT. <i>NMR in Biomedicine</i> , 2018, 31, e3993.	1.6	4

#	ARTICLE	IF	CITATIONS
713	Neuromodulation of lower limb motor responses with transcutaneous lumbar spinal cord direct current stimulation. <i>Clinical Neurophysiology</i> , 2018, 129, 1999-2009.	0.7	12
714	A Methodology to Empirically Compare Computational Bioelectromagnetics Methods: Evaluation of Three Competitive Methods. <i>IEEE Transactions on Antennas and Propagation</i> , 2018, 66, 4123-4136.	3.1	6
715	Pros and cons of ultra-high-field MRI/MRS for human application. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 109, 1-50.	3.9	331
716	Proton-decoupled carbon magnetic resonance spectroscopy in human calf muscles at 7 T using a multi-channel radiofrequency coil. <i>Scientific Reports</i> , 2018, 8, 6211.	1.6	10
717	New method for establishing a 3D subject-specific numerical electromagnetic model using hybrid imaging modalities. <i>Computers in Biology and Medicine</i> , 2018, 101, 33-38.	3.9	0
718	Coupled modeling and experimental investigation of RF-induced heating near ablation catheters under 1.5T MRI. , 2018, , .		0
719	SAR investigations on the exposure compliance of wearable wireless devices using infrared thermography. <i>Bioelectromagnetics</i> , 2018, 39, 451-459.	0.9	9
720	Design of a Quadrature 1H/31P Coil Using Bent Dipole Antenna and Four-Channel Loop at 3T MRI. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 2613-2618.	5.4	11
721	Influence of tissue conductivity on foetal exposure to extremely low frequency magnetic fields at 50 Hz using stochastic dosimetry. <i>PLoS ONE</i> , 2018, 13, e0192131.	1.1	14
722	Evaluation of MRI RF electromagnetic field induced heating near leads of cochlear implants. <i>Physics in Medicine and Biology</i> , 2018, 63, 135020.	1.6	21
723	MR-based electrical property tomography using a modified finite difference scheme. <i>Physics in Medicine and Biology</i> , 2018, 63, 145013.	1.6	12
724	Reducing the Memory Requirements of High Resolution Voxel Phantoms by Means of a Binary Tree Data Structure. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 76-82.	2.7	6
725	Investigation of RF-Induced Heating Near Interventional Catheters at 1.5 T MRI: A Combined Modeling and Experimental Study. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019, 61, 1423-1431.	1.4	11
726	CONtrast Conformed Electrical Properties Tomography (CONCEPT) Based on Multi-Channel Transmission and Alternating Direction Method of Multipliers. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 349-359.	5.4	10
727	Computer-Vision Techniques for Water-Fat Separation in Ultra High-Field MRI Local Specific Absorption Rate Estimation. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 768-774.	2.5	3
728	Experimental and theoretical assessment of power frequency electric field individual protective means. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 487, 012031.	0.3	2
729	Memory Footprint Reduction for the FFT-Based Volume Integral Equation Method via Tensor Decompositions. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 7476-7486.	3.1	15
730	Eddy Currents Distribution in Upper Extremities During Magnetotherapy. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
731	Automated gradient-based electrical properties tomography in the human brain using 7T MRI. <i>Magnetic Resonance Imaging</i> , 2019, 63, 258-266.	1.0	7
732	Multiphase System of Coils as Illustrated by Magnetotherapy. , 2019, , .		1
733	Near Field Wireless Powering of Deep Medical Implants. <i>Energies</i> , 2019, 12, 2720.	1.6	34
734	The dielectric properties of skin and their influence on the delivery of tumor treating fields to the torso: a study combining in vivo measurements with numerical simulations. <i>Physics in Medicine and Biology</i> , 2019, 64, 185014.	1.6	19
735	Efficient and Reliable Assessment of the Maximum Local Tissue Temperature Increase at the Electrodes of Medical Implants under MRI Exposure. <i>Bioelectromagnetics</i> , 2019, 40, 422-433.	0.9	5
736	Cardiorenal sodium MRI at 7.0 Tesla using a 4/4 channel ¹ H/ ²³ Na radiofrequency antenna array. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 2343-2356.	1.9	16
737	A Dual-Band Implantable Rectenna for Wireless Data and Power Support at Sub-GHz Region. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 6800-6810.	3.1	51
738	Developments in Electrical-Property Tomography Based on the Contrast-Source Inversion Method. <i>Journal of Imaging</i> , 2019, 5, 25.	1.7	7
739	A simulation study on the effect of optimized high permittivity materials on fetal imaging at 3T. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1822-1831.	1.9	7
740	Cervical trans-spinal direct current stimulation: a modelling-experimental approach. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 123.	2.4	14
741	Anatomical Model Uncertainty for RF Safety Evaluation of Metallic Implants Under MRI Exposure. <i>Bioelectromagnetics</i> , 2019, 40, 458-471.	0.9	12
742	Physical layer authentication of off-body channels by probabilistic neural networks. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2019, 32, e2628.	1.2	2
743	Size-specific dose estimations for pediatric chest, abdomen/pelvis and head CT scans with the use of GATE. <i>Physica Medica</i> , 2019, 65, 181-190.	0.4	10
744	A 32-channel parallel transmit system add-on for 7T MRI. <i>PLoS ONE</i> , 2019, 14, e0222452.	1.1	48
745	Development of Voxel Models Adjusted to ICRP Reference Children and Their Whole-Body Averaged SARs for Whole-Body Exposure to Electromagnetic Fields From 10 MHz to 6 GHz. <i>IEEE Access</i> , 2019, 7, 135909-135916.	2.6	11
746	Compact Implantable Antennas for Cerebrospinal Fluid Monitoring. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 4955-4967.	3.1	10
747	Radiofrequency induced heating around aneurysm clips using a generic birdcage head coil at 7 Tesla under consideration of the minimum distance to decouple multiple aneurysm clips. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1859-1875.	1.9	9
748	Opening a new window on MR-based Electrical Properties Tomography with deep learning. <i>Scientific Reports</i> , 2019, 9, 8895.	1.6	40

#	ARTICLE	IF	CITATIONS
749	Is the SAM phantom conservative for SAR evaluation of all phone designs?. ETRI Journal, 2019, 41, 337-347.	1.2	3
750	Dosimetric issues with simplified homogeneous body models in low frequency magnetic field exposure assessment. Journal of Radiological Protection, 2019, 39, 794-808.	0.6	3
751	On the development of equivalent medium for active implantable device radiofrequency safety assessment. Magnetic Resonance in Medicine, 2019, 82, 1164-1176.	1.9	11
752	Comparison of Passive 2-D and 3-D Ring Arrays for Medical Telemetry Focusing. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1189-1193.	2.4	7
753	Transcranial Magnetic Stimulation: Development of a Novel Deep-Brain Triple-Halo Coil. IEEE Magnetics Letters, 2019, 10, 1-5.	0.6	20
754	Evaluating exposure from electric fields in a high voltage switchyard according to the EU directive. Journal of Radiological Protection, 2019, 39, 150-160.	0.6	2
755	Brain SAR of average male Korean child to adult models for mobile phone exposure assessment. Physics in Medicine and Biology, 2019, 64, 045004.	1.6	19
756	Statistical Evaluation of Radiofrequency Exposure during Magnetic Resonant Imaging: Application of Whole-Body Individual Human Model and Body Motion in the Coil. International Journal of Environmental Research and Public Health, 2019, 16, 1069.	1.2	9
757	Development and evaluation of a 16-channel receive-only RF coil to improve 7T ultra-high field body MRI with focus on the spine. Magnetic Resonance in Medicine, 2019, 82, 796-810.	1.9	12
758	High-permittivity pad design tool for 7T neuroimaging and 3T body imaging. Magnetic Resonance in Medicine, 2019, 81, 3370-3378.	1.9	24
759	Evaluation of short folded dipole antennas as receive elements of ultra-high field human head array. Magnetic Resonance in Medicine, 2019, 82, 811-824.	1.9	16
760	An MRI Compatible RF MEMs Controlled Wireless Power Transfer System. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1717-1726.	2.9	15
761	Homogeneous B_1 for bilateral breast imaging at 7T using a five dipole transmit array merged with a high density receive loop array. NMR in Biomedicine, 2019, 32, e4039.	1.6	10
762	Comparison of Numerical Techniques for the Evaluation of Human Exposure From Measurement Data. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	9
763	Modeling Trans-Spinal Direct Current Stimulation in the Presence of Spinal Implants. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 790-797.	2.7	6
764	Computational and experimental evaluation of the Tic-Tac-Toe RF coil for 7 Tesla MRI. PLoS ONE, 2019, 14, e0209663.	1.1	18
766	[RAEE 2019 Back Cover]. , 2019, , .		0
767	Internet of Things (IoT). , 2019, , .		1

#	ARTICLE	IF	CITATIONS
768	Assessing Pre-University Students' Attitude Towards Mathematics. , 2019, , .		1
769	Cooperative and Distributive Caching System for Video Streaming Services over the Information Centric Networking. , 2019, , .		1
770	Design of Micro-heaters Inspired by Space Filling Fractal Curves. , 2019, , .		2
771	ANN based Measurement for No-Reference Video Quality of Experience Metric. , 2019, , .		0
772	Identifying mental workload using EEG and deep learning. , 2019, , .		2
774	IC3INA 2019 Cover Page. , 2019, , .		0
775	A Lightweight Deep Autoencoder-Based Approach for Unsupervised Anomaly Detection. , 2019, , .		3
776	ICIIBMS 2019 TOC. , 2019, , .		0
777	Statistical Analysis of String Fracture and Core Breakdown of Composite Insulators in Zhejiang Province. , 2019, , .		3
778	Smart Industrial Applications and Consumers. , 2019, , .		0
779	Advanced Lightweight Flexible Array with Mechanical Architecture. , 2019, , .		1
780	Ultra-focal Magnetic Stimulation Using a $\hat{\mu}$ TMS coil: a Computational Study. , 2019, 2019, 3987-3990.		4
781	Research on Reliability Index of Distribution Network Considering Voltage Sag and Loss of User. , 2019, , .		0
782	The Impact of Geographic Scale on Identifying Different Social Media Behavior Extremes in Crisis Research. , 2019, , .		0
783	Deformation of bubbles in silicon gel insulation under an alternating electric field. , 2019, , .		0
784	Landsat 9 Thermal Infrared Sensor 2 Spectral Response Test: Updates And Perspective. , 2019, , .		2
785	Phase Noise Simulation of Microwave Reference Oscillator Based on the MMIC Amplifier. , 2019, , .		2
786	Asynchronous Output Feedback Control Design for Nonlinear Switched Singular Systems with Time Varying Delay. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
788	A Tool for Translating Sequential Source Code to Parallel Code Written in C++ and OpenACC. , 2019, , .		0
789	Distributed sentiment analysis of an agglutinative language via Spark by applying machine learning methods. , 2019, , .		4
790	Test Time and Area Optimized BrST Scheme for Automotive ICs. , 2019, , .		9
791	Evaluation of Electrode Setups by MRI Based Human Phantom with FEM Based Quasi-Static Solver for Bioimpedance Measurement*. , 2019, 2019, 3978-3982.		1
792	Incorporating Ancillary Service Costs in Distributed Energy Resources Management Systems. , 2019, , .		1
793	Heterogeneous Integration Solutions for HPC Application by Using FO-MCM Chip Last Platform. , 2019, , .		1
794	High contrast imaging of low boiling point phase change contrast agents in moving tissue with ultrafast inter-frame activation imaging sequence. , 2019, , .		1
795	Engineering High-Speed Quantum Random Number Generators. , 2019, , .		1
796	Corrections to "Generalized Hyperbolic CORDIC and Its Logarithmic and Exponential Computation With Arbitrary Fixed Base" [Sep 19 DOI: 10.1109/TVLSI.2019.2919557]. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2019, 27, 2222-2222.	2.1	2
797	Pending Interest Lifetime Mechanism for Vehicular Named Data Networks. , 2019, , .		5
798	A Novel Azimuth Multichannel Reconstruction Approach for Moving Targets in Multichannel Sliding Spotlight SAR. , 2019, , .		1
799	Classification of Arithmetic Sentences Expressed in Natural Language using HMM. , 2019, , .		0
800	Insulator Contamination Measurement Based on Infrared Thermal and Visible Image Information Fusion. , 2019, , .		3
801	Study on Realizable Generalized Hold Functions as a Countermeasure against Zero Dynamics Attack. , 2019, , .		2
802	3D-stacked Strained SiGe/Ge Gate-All-Around (GAA) Structure Fabricated by 3D Ge Condensation. , 2019, , .		2
803	Experimental analysis of characteristics of saturation pollution on high voltage insulator in North China. , 2019, , .		2
804	Robust, Extensible, and Fast: Teamed Classifiers for Vehicle Tracking in Multi-Camera Networks. , 2019, , .		2
805	How Do Code Changes Evolve in Different Platforms? A Mining-Based Investigation. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
806	A Decision Transformer Fault Diagnostics System Based on Dissolved Gas Analysis. , 2019, , .		5
807	Surface Potential Simulation for Robust Electrode Placement by MRI Based Human Phantom with FEM Based Quasi-Static Solver for Bioimpedance Measurement* . , 2019, 2019, 3972-3977.		1
808	Bio-Based Polycationic Polyurethane as an Ion-Selective Membrane for Nitrate Tapered Optical Fiber Sensors. IEEE Access, 2019, 7, 157103-157112.	2.6	6
809	Analysis and Control of Chaotic Oscillation in FOSMIB Power System Using AISMC Technique. , 2019, , .		8
810	Impedance Scanning Method of Grid-tied Converters under Nonzero Grid Impedance Condition. , 2019, , .		3
811	Biodegradable Electrode patch made of Graphene/PHA for ECG detecting Applications. , 2019, , .		5
812	Identifying Beta-Lactam Resistance with Neural Networks. , 2019, , .		4
813	Extending SDN to Edge Fields for IoT-Centric Data Forwarding on Customized Routes. , 2019, , .		0
814	Power Quality Improvement Using Unified Power Quality Conditioner with Distribution Generation. , 2019, , .		1
815	Analysis of Power Transformer's Lifetime Using Health Index Transformer Method Based on Artificial Neural Network Modeling. , 2019, , .		8
816	Optimal Operation of Battery Energy Storage System in Smart Grid for Reducing Tap Changer Operation under Photovoltaic Fluctuation Using Cuckoo Search. , 2019, , .		2
817	Dual-Threshold Independent-Gate TFET with Tri-side Tunneling. , 2019, , .		0
818	Bayesian Inference with MILP Dispatch Models for the Probabilistic Prediction of Power Plant Dispatch. , 2019, , .		0
819	Flexible feeder interconnections for increased penetration of renewables and improved volt/VAr control in distribution networks. IET Generation, Transmission and Distribution, 2019, 13, 4861-4869.	1.4	2
820	Querying XML Data using Description Logics. , 2019, , .		0
821	Combining deep learning and 3D contrast source inversion in MR-based electrical properties tomography. NMR in Biomedicine, 2022, 35, e4211.	1.6	21
822	A Scalable Predictive Maintenance Model for Detecting Wind Turbine Component Failures Based on SCADA Data. , 2019, , .		7
823	Influence of Anatomical Model and Skin Conductivity on the Electric Field Induced in the Head by Transcranial Magnetic Stimulation. , 2019, 2019, 2917-2920.		4

#	ARTICLE	IF	CITATIONS
824	Movement Control of Two Wheels Balancing Robot using SMC based on Lyapunov Analysis. , 2019, , .		1
825	Lifetime Prediction of IGBT Modules Based on Mission Profiles in Traction Inverter Application. , 2019, , .		8
826	Design and Verification of a Robust Release Mechanism for CubeSat Deployables. , 2019, , .		2
827	Range-limited, Distributed Algorithms on Higher-Order Voronoi Partitions in Multi-Robot Systems. , 2019, , .		2
828	Biological Effects of Power Frequency Electric Field Shielding. , 2019, , .		0
829	Electric Field Distribution during Non-Invasive Electric and Magnetic Stimulation of the Cervical Spinal Cord. , 2019, 2019, 5898-5901.		2
830	Effects of 171 MHz Low-Intensity Electromagnetic Field on Glucocorticoid and Mineral Corticoid Activity of the Adrenal Glands of Rats. Bioelectromagnetics, 2019, 40, 578-587.	0.9	2
831	Human Cardiac Magnetic Resonance at Ultrahigh Fields. , 2019, , 142-160.e4.		0
832	Modelling and B1 Shim Analysis of 16-Element Transceiver Array at 7 T. , 2019, 2019, 1291-1295.		0
833	An in vivo coil setup for AC magnetic field-mediated magnetic nanoparticle heating experiments. , 2019, 2019, 3991-3994.		1
834	Optimized Transcutaneous Spinal Cord Direct Current Stimulation using Multiple Electrodes from 3/9/7 System. , 2019, 2019, 6290-6293.		2
835	Computational simulation of electromagnetic fields on human targets for magnetic targeting applications. , 2019, 2019, 5674-5677.		1
836	Menelik: A detailed anatomical human head model for electromagnetic computations. , 2019, , .		0
837	Particle Swarm Optimization for Positioning the Coil of Transcranial Magnetic Stimulation. BioMed Research International, 2019, 2019, 1-12.	0.9	7
838	Parallel Transmission for Ultrahigh Field MRI. Topics in Magnetic Resonance Imaging, 2019, 28, 159-171.	0.7	31
839	Toward 7T breast MRI clinical study: safety assessment using simulation of heterogeneous breast models in RF exposure. Magnetic Resonance in Medicine, 2019, 81, 1307-1321.	1.9	5
840	STATISTICAL APPROACH FOR HUMAN ELECTROMAGNETIC EXPOSURE ASSESSMENT IN FUTURE WIRELESS ATTO-CELL NETWORKS. Radiation Protection Dosimetry, 2019, 183, 326-331.	0.4	7
841	High permittivity ceramics improve the transmit field and receive efficiency of a commercial extremity coil at 1.5 Tesla. Journal of Magnetic Resonance, 2019, 299, 59-65.	1.2	31

#	ARTICLE	IF	CITATIONS
842	Importance of Exposure Duration and Metrics on Correlation Between RF Energy Absorption and Temperature Increase in a Human Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2253-2258.	2.5	14
843	Design and evaluation of a $1^{\text{H}}/^{31}\text{P}$ double-resonant helmet coil for 3T MRI of the brain. <i>Physics in Medicine and Biology</i> , 2019, 64, 035003.	1.6	8
844	Modulating interoception by insula stimulation: A double-blinded tDCS study. <i>Neuroscience Letters</i> , 2019, 696, 108-113.	1.0	18
845	Intersubject specific absorption rate variability analysis through construction of 23 realistic body models for prostate imaging at 7T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2106-2119.	1.9	30
846	Improved Decoupling for Low Frequency MRI Arrays Using Non-Conventional Preamplifier Impedance. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 1940-1948.	2.5	10
847	IMPULSE: A scalable algorithm for design of minimum specific absorption rate parallel transmit RF pulses. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2808-2822.	1.9	10
848	Finite-Difference Time-Domain Modeling for Electromagnetic Wave Analysis of Human Voxel Model at Millimeter-Wave Frequencies. <i>IEEE Access</i> , 2019, 7, 3635-3643.	2.6	9
849	Innovations in Computer Technologies Have Impacted Radiation Dosimetry Through Anatomically Realistic Phantoms and Fast Monte Carlo Simulations. <i>Health Physics</i> , 2019, 116, 263-275.	0.3	0
850	The "virtual DBS population": five realistic computational models of deep brain stimulation patients for electromagnetic MR safety studies. <i>Physics in Medicine and Biology</i> , 2019, 64, 035021.	1.6	11
851	A Review on Personalized Pediatric Dosimetry Applications Using Advanced Computational Tools. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 607-620.	2.7	7
852	Optimization of steady-state free precession MRI for lung ventilation imaging with 19 F C 3 F 8 at 1.5T and 3T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1130-1142.	1.9	12
853	A numerical assessment of the human body effect in the transmission of wireless microphones. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 809-817.	0.9	3
854	Advances in Computational Human Phantoms and Their Applications in Biomedical Engineering: A Topical Review. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 1-23.	2.7	58
855	DukeSim: A Realistic, Rapid, and Scanner-Specific Simulation Framework in Computed Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 1457-1465.	5.4	49
856	Whole-body average SAR measurement using flat phantoms for radio base station antennas and its applicability to adult and child human models. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2019, 74, 93-102.	1.6	4
857	Double-row 18-loop transceive ^{32}P receive tight-fit array provides for whole-brain coverage, high transmit performance, and SNR improvement near the brain center at 9.4T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3392-3405.	1.9	27
858	Modeling "Textured" Bones in Virtual Human Phantoms. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 47-53.	2.7	29
859	Absolute Quantification of Phosphorus-Containing Metabolites in the Liver Using ^{31}P MRSI and Hepatic Lipid Volume Correction at 7T Suggests No Dependence on Body Mass Index or Age. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 597-607.	1.9	16

#	ARTICLE	IF	CITATIONS
860	Impact of RF Shimming on RF-Induced Heating Near Implantable Medical Electrodes in a 3T MRI Coil. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 52-64.	1.4	4
861	Mitigation Solutions for the Magnetic Field Produced by MFDC Spot Welding Guns. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 83-92.	1.4	7
862	Assessing Human Exposure With Medical Implants to Electromagnetic Fields From a Wireless Power Transmission System in an Electric Vehicle. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 338-345.	1.4	42
863	Toward whole-brain cortex enhancement with an ultrahigh dielectric constant helmet at 3T. Magnetic Resonance in Medicine, 2020, 83, 1123-1134.	1.9	14
864	A deep learning method for image-based subject-specific local SAR assessment. Magnetic Resonance in Medicine, 2020, 83, 695-711.	1.9	29
865	Novel Method and Procedure for Evaluating Compliance of Sources With Strong Gradient Magnetic Fields Such as Wireless Power Transfer Systems. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1323-1332.	1.4	6
866	Designing parallel transmit head coil arrays based on radiofrequency pulse performance. Magnetic Resonance in Medicine, 2020, 83, 2331-2342.	1.9	9
867	In vivo potassium MRI of the human heart. Magnetic Resonance in Medicine, 2020, 83, 203-213.	1.9	7
868	In vivo human head MRI at 10.5T: A radiofrequency safety study and preliminary imaging results. Magnetic Resonance in Medicine, 2020, 84, 484-496.	1.9	59
869	Wireless-based sternal closure: MRI-related heating at 1.5 T/64 MHz and 3 T/128 MHz based on simulation and experimental phantom study. Magnetic Resonance in Medicine, 2020, 83, 1055-1065.	1.9	6
870	Neuroman: Voxel Phantoms from Surface Models of 300 Head Structures Including 12 Pairs of Cranial Nerves. Health Physics, 2020, 119, 192-205.	0.3	3
871	EVALUATION OF SPECIFIC ABSORPTION RATE IN THE FAR-FIELD, NEAR-TO-FAR FIELD AND NEAR-FIELD REGIONS FOR INTEGRATIVE RADIOFREQUENCY EXPOSURE ASSESSMENT. Radiation Protection Dosimetry, 2020, 190, 459-472.	0.4	25
872	Multi-site benchmarking of clinical 13C RF coils at 3T. Journal of Magnetic Resonance, 2020, 318, 106798.	1.2	10
873	Numerical Study on the Feasibility of a 24 GHz ISM-Band Doppler Radar Antenna for Near-Field Sensing of Human Respiration in Electromagnetic Aspects. Applied Sciences (Switzerland), 2020, 10, 6159.	1.3	7
874	An artificial dielectric slab for ultra high-field MRI: Proof of concept. Journal of Magnetic Resonance, 2020, 320, 106835.	1.2	23
875	Review on biophysical modelling and simulation studies for transcranial magnetic stimulation. Physics in Medicine and Biology, 2020, 65, 24TR03.	1.6	23
876	A Structured Cleaving Mesh for Bioheat Transfer Application. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 174-186.	1.7	2
877	Introduction of the snake antenna array: Geometry optimization of a sinusoidal dipole antenna for 10.5T body imaging with lower peak SAR. Magnetic Resonance in Medicine, 2020, 84, 2885-2896.	1.9	25

#	ARTICLE	IF	CITATIONS
879	MR-Based Electrical Conductivity Imaging Using Second-Order Total Generalized Variation Regularization. Applied Sciences (Switzerland), 2020, 10, 7910.	1.3	1
880	The Required Patient Modeling Realism in Radiofrequency Heating Simulation Studies. , 2020, , .		0
881	A formalism to investigate the optimal transmit efficiency in radiofrequency shimming. NMR in Biomedicine, 2020, 33, e4383.	1.6	9
882	Bent foldedâ€nd dipole head array for ultrahighâ€field MRI turns â€œdielectric resonanceâ€ from an enemy to a friend. Magnetic Resonance in Medicine, 2020, 84, 3453-3467.	1.9	21
883	Electromagnetic analysis and simulation aspects of wireless power transfer in the domain of inductive power transmission technology. Journal of Electromagnetic Waves and Applications, 2020, 34, 1719-1755.	1.0	8
884	Numerical modelling of temperature increase induced by transcutaneous Spinal Direct Current Stimulation (tsDC). , 2020, , .		0
885	Total Local Dose in Hypothetical 5G Mobile Networks for Varied Topologies and User Scenarios. Applied Sciences (Switzerland), 2020, 10, 5971.	1.3	9
886	Parallel transmission medical implant safety testbed: Realâ€time mitigation of RF induced tip heating using timeâ€domain Eâ€field sensors. Magnetic Resonance in Medicine, 2020, 84, 3468-3484.	1.9	12
887	Impact of Number of Segmented Tissues on SAR Prediction Accuracy in Deep Pelvic Hyperthermia Treatment Planning. Cancers, 2020, 12, 2646.	1.7	9
888	Introduction of Ultra-High-Field MR Imaging in Infants: Preparations and Feasibility. American Journal of Neuroradiology, 2020, 41, 1532-1537.	1.2	14
889	Evaluation of a 16-Channel Transceiver Loop + Dipole Antenna Array for Human Head Imaging at 10.5 Tesla. IEEE Access, 2020, 8, 203555-203563.	2.6	13
890	Investigating the challenges and generalizability of deep learning brain conductivity mapping. Physics in Medicine and Biology, 2020, 65, 135001.	1.6	15
891	Computational evaluation for improving the B1+ field in deep brain and cerebellum using a combination of a birdcage coil and a dipole antenna array. Journal of Electromagnetic Waves and Applications, 2020, 34, 926-939.	1.0	1
892	Influence of morphology and tissue distribution on SAR estimation: application on a heterogeneous head with realistic connected glasses. , 2020, , .		0
893	Conditional safety margins for less conservative peak local SAR assessment: A probabilistic approach. Magnetic Resonance in Medicine, 2020, 84, 3379-3395.	1.9	7
894	Investigation of Breast Tumor Detection Using Microwave Imaging Technique. , 2020, , .		3
895	Standardization of patient modeling in hyperthermia simulation studies: introducing the <i>Erasmus Virtual Patient Repository</i>. International Journal of Hyperthermia, 2020, 37, 608-616.	1.1	12
896	Magnetic Resonance-Electrical Properties Tomography by Directly Solving Maxwellâ€™s Curl Equations. Applied Sciences (Switzerland), 2020, 10, 3318.	1.3	1

#	ARTICLE	IF	CITATIONS
897	Machine Learning Applied to Electrified Vehicle Battery State of Charge and State of Health Estimation: State-of-the-Art. IEEE Access, 2020, 8, 52796-52814.	2.6	231
898	Grounding Concepts and Methods of Real-Time Scheduling in Reality Using Arduino. IEEE Transactions on Education, 2020, 63, 224-231.	2.0	1
899	Brain EEG Time-Series Clustering Using Maximum-Weight Clique. IEEE Transactions on Cybernetics, 2022, 52, 357-371.	6.2	21
900	On the Value of Available MODIS and Landsat8 OLI Image Pairs for MODIS Fractional Snow Cover Mapping Based on an Artificial Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4319-4334.	2.7	12
901	A robust electrical conductivity imaging method with total variation and wavelet regularization. Magnetic Resonance Imaging, 2020, 69, 28-39.	1.0	4
902	Realistic anatomically detailed open-source spinal cord stimulation (RADO-SCS) model. Journal of Neural Engineering, 2020, 17, 026033.	1.8	19
903	Thermal ablation of biological tissues in disease treatment: A review of computational models and future directions. Electromagnetic Biology and Medicine, 2020, 39, 49-88.	0.7	63
904	Resilient Routing Mechanism for Wireless Sensor Networks With Deep Learning Link Reliability Prediction. IEEE Access, 2020, 8, 64857-64872.	2.6	40
905	A Temperature-Controlled Laser Hot Needle With Grating Sensor for Liver Tissue Tract Ablation. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7119-7124.	2.4	15
906	In Situ Near-Field Path Loss and Data Communication Link for Brain Implantable Medical Devices Using Software-Defined Radio. IEEE Transactions on Antennas and Propagation, 2020, 68, 6787-6799.	3.1	8
907	Assessment of Exposure to Electric Vehicle Inductive Power Transfer Systems: Experimental Measurements and Numerical Dosimetry. Sustainability, 2020, 12, 4573.	1.6	8
908	Decoupling of folded end dipole antenna elements of a 9.4 T human head array using an RF shield. NMR in Biomedicine, 2020, 33, e4351.	1.6	16
909	A High-Performance GaN-Modified Nonuniform Distributed Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1729-1740.	2.9	17
910	Double-tuned $31\text{P}/^1\text{H}$ human head array with high performance at both frequencies for spectroscopic imaging at 9.4T. Magnetic Resonance in Medicine, 2020, 84, 1076-1089.	1.9	21
911	Wideband Self-Grounded Bow-Tie Antenna for Thermal MR. NMR in Biomedicine, 2020, 33, e4274.	1.6	13
912	A parametric study of radiative dipole body array coil for 7-Tesla MRI. Photonics and Nanostructures - Fundamentals and Applications, 2020, 39, 100764.	1.0	9
913	Patient Semi-specific Computational Modeling of Electromagnetic Stimulation Applied to Neuroprotective Treatments in Acute Ischemic Stroke. Scientific Reports, 2020, 10, 2945.	1.6	8
914	Text Mining of Open-Ended Questions in Self-Assessment of University Teachers: An LDA Topic Modeling Approach. IEEE Access, 2020, 8, 35318-35330.	2.6	52

#	ARTICLE	IF	CITATIONS
915	ALTRA: Cross-Project Software Defect Prediction via Active Learning and Tradaboost. IEEE Access, 2020, 8, 30037-30049.	2.6	21
916	Design and Dosimetric Analysis of an Exposure Facility for Investigating Possible Effects of 2.45 GHz Wi-Fi Signals on Human Sleep. Bioelectromagnetics, 2020, 41, 230-240.	0.9	3
917	A Novel Circuit Architecture for Generating Narrow Pulses via Spectrum Stitching. IEEE Access, 2020, 8, 22454-22462.	2.6	2
918	Electrical tree reconstruction method for oil-impregnated pressboards based on the inverse problem for the electrostatic field. IEEE Transactions on Dielectrics and Electrical Insulation, 2020, 27, 94-102.	1.8	5
919	Parameter Estimation for the Jiles-Atherton Model in Weak Fields. IEEE Transactions on Magnetics, 2020, 56, 1-10.	1.2	8
920	Error Correction Based on Partial Information. IEEE Transactions on Information Theory, 2020, 66, 1396-1404.	1.5	4
921	Wearable device for thermotherapies. , 2020, , 179-200.		5
922	Transcranial direct current stimulation improves risky decision making in women but not in men: A sham-controlled study. Behavioural Brain Research, 2020, 382, 112485.	1.2	19
923	Accuracy Assessment of Numerical Dosimetry for the Evaluation of Human Exposure to Electric Vehicle Inductive Charging Systems. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1939-1950.	1.4	25
924	Development of a 3D Anthropomorphic Phantom Generator for Microwave Imaging Applications of the Head and Neck Region. Sensors, 2020, 20, 2029.	2.1	1
926	Field Focusing for Implanted Medical Devices. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 273-278.	2.3	1
927	Influence of Capacitive Coupling on High-Fidelity Non-Contact ECG Measurement. IEEE Sensors Journal, 2020, 20, 9265-9273.	2.4	32
928	Discrepancies of Measured SAR between Traditional and Fast Measuring Systems. International Journal of Environmental Research and Public Health, 2020, 17, 2111.	1.2	3
929	Deep learning-based reconstruction of in vivo pelvis conductivity with a 3D patch-based convolutional neural network trained on simulated MR data. Magnetic Resonance in Medicine, 2020, 84, 2772-2787.	1.9	26
930	Magnetic Nonvolatile SRAM Based on Voltage-Gated Spin-Orbit-Torque Magnetic Tunnel Junctions. IEEE Transactions on Electron Devices, 2020, 67, 1965-1971.	1.6	15
931	Specific absorption rate implications of within-scan patient head motion for ultra-high field MRI. Magnetic Resonance in Medicine, 2020, 84, 2724-2738.	1.9	19
932	Exposure of Live-Line Workers to Magnetic Fields: A Dosimetric Analysis. International Journal of Environmental Research and Public Health, 2020, 17, 2429.	1.2	4
933	Magnetic-Resonance-Based Electrical Property Mapping Using Global Maxwell Tomography With an 8-Channel Head Coil at 7 Tesla: A Simulation Study. IEEE Transactions on Biomedical Engineering, 2021, 68, 236-246.	2.5	13

#	ARTICLE	IF	CITATIONS
934	Explaining RF induced current patterns on implantable medical devices during MRI using the transfer matrix. <i>Medical Physics</i> , 2021, 48, 132-141.	1.6	3
935	Modelling of the Temperature Changes Induced by Transcutaneous Spinal Direct Current Stimulation (tsDCS). <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2021, 5, 9-16.	2.3	2
936	Individualized SAR calculations using computer vision-based MR segmentation and a fast electromagnetic solver. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 429-443.	1.9	18
937	Numerical Assessment of RF Human Exposure in Smart Mobility Communications. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2021, 5, 100-107.	2.3	11
938	Metamaterial inspired wireless coil for clinical breast imaging. <i>Journal of Magnetic Resonance</i> , 2021, 322, 106877.	1.2	13
939	Brain Tissue Conductivity Measurements with MR-Electrical Properties Tomography: An In Vivo Study. <i>Brain Topography</i> , 2021, 34, 56-63.	0.8	14
940	A comprehensive electromagnetic evaluation of an MRI anthropomorphic head phantom. <i>NMR in Biomedicine</i> , 2021, 34, e4441.	1.6	1
941	FDTD Algorithm for Numerical Anatomical Models With Cells Containing Several Debye Media. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021, 63, 947-950.	1.4	0
942	Architecture of Multiple Convolutional Neural Networks to Construct a Subject-Specific Knee Model for Estimating Local Specific Absorption Rate. <i>Applied Magnetic Resonance</i> , 2021, 52, 177-199.	0.6	1
943	Computational models for contact current dosimetry at frequencies below 1 MHz. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 107-119.	1.6	3
944	Local SAR compression with overestimation control to reduce maximum relative SAR overestimation and improve multi-channel RF array performance. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 153-163.	1.1	8
945	Global and peak local specific absorption rate control on parallel transmit systems using k means SAR compression model. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1093-1103.	1.9	1
946	Application of transcranial magnetic stimulation for major depression: Coil design and neuroanatomical variability considerations. <i>European Neuropsychopharmacology</i> , 2021, 45, 73-88.	0.3	27
947	Compression of Volume-Surface Integral Equation Matrices via Tucker Decomposition for Magnetic Resonance Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 459-471.	3.1	10
949	The Internet of Bodies: A Systematic Survey on Propagation Characterization and Channel Modeling. <i>IEEE Internet of Things Journal</i> , 2022, 9, 321-345.	5.5	36
950	Numerical Analysis of Electromagnetic Field Exposure from 5G Mobile Communications at 28 GHz in Adults and Children Users for Real-World Exposure Scenarios. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1073.	1.2	25
951	Electrical Properties Tomography: A Methodological Review. <i>Diagnostics</i> , 2021, 11, 176.	1.3	25
952	Integrated Multi-Modal Antenna With Coupled Radiating Structures (I-MARS) for 7T pTx Body MRI. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 39-51.	5.4	5

#	ARTICLE	IF	CITATIONS
953	Effects of Simulated Error-Sources on Different 3-D CSI-EPT Strategies. IEEE Transactions on Computational Imaging, 2021, 7, 713-723.	2.6	1
954	Development, validation, and pilot MRI safety study of a high-resolution, open source, whole body pediatric numerical simulation model. PLoS ONE, 2021, 16, e0241682.	1.1	12
955	Electromagnetic simulation of a 16-channel head transceiver at 7 T using circuit-spatial optimization. Magnetic Resonance in Medicine, 2021, 85, 3463-3478.	1.9	3
956	Extending a birdcage coil for magnetic resonance imaging of a human head with an artificial magnetic shield. Photonics and Nanostructures - Fundamentals and Applications, 2021, 43, 100890.	1.0	2
957	Temperature-based MRI safety simulations with a limited number of tissues. Magnetic Resonance in Medicine, 2021, 86, 543-550.	1.9	5
958	Local SAR compression algorithm with improved compression, speed, and flexibility. Magnetic Resonance in Medicine, 2021, 86, 561-568.	1.9	8
959	Unshielded bent folded-dipole 9.4 T human head transceiver array decoupled using modified passive dipoles. Magnetic Resonance in Medicine, 2021, 86, 581-597.	1.9	13
960	Simulation Design of Incremental Leg Tapered Birdcage Coil for Head Imaging at 4.7T MRI. Applied Sciences (Switzerland), 2021, 11, 2064.	1.3	2
961	Electromagnetic simulation of RF burn injuries occurring at skin-skin and skin-bore wall contact points in an MRI scanner with a birdcage coil. Physica Medica, 2021, 82, 219-227.	0.4	7
962	New CTIA Standard Phantoms for OTA Testing. , 2021, , .		0
963	Reaching Deeper: Absolute In Vivo Thermal Reading of Liver by Combining Superbright Ag ₂ S Nanothermometers and In Silico Simulations. Advanced Science, 2021, 8, 2003838.	5.6	13
964	Improved whole-brain SNR with an integrated high-permittivity material in a head array at 7T. Magnetic Resonance in Medicine, 2021, 86, 1167-1174.	1.9	19
965	Stroke Classification in Simulated Electromagnetic Imaging Using Graph Approaches. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 46-53.	2.3	31
966	A GPU-accelerated framework for rapid estimation of scanner-specific scatter in CT for virtual imaging trials. Physics in Medicine and Biology, 2021, 66, 075004.	1.6	7
967	Innovative Stochastic Modeling of Residential Exposure to Radio Frequency Electromagnetic Field Sources. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2021, 5, 62-69.	2.3	6
968	Effects of Long-Term Exposure of Intermediate Frequency Magnetic Fields (20 kHz, 360 μ T) on the Development, Pathological Findings, and Behavior of Female Mice. Bioelectromagnetics, 2021, 42, 309-316.	0.9	2
969	Coil Design of a Wireless Power-Transfer Receiver Integrated into a Left Ventricular Assist Device. Electronics (Switzerland), 2021, 10, 874.	1.8	7
970	EPTlib: An Open-Source Extensible Collection of Electric Properties Tomography Techniques. Applied Sciences (Switzerland), 2021, 11, 3237.	1.3	10

#	ARTICLE	IF	CITATIONS
971	Improving phase-based conductivity reconstruction by means of deep learning-based denoising of phase data for 3T MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2084-2094.	1.9	9
972	Estimation of patient skin dose in fluoroscopy: summary of a joint report by AAPM TG357 and EFOMP. <i>Medical Physics</i> , 2021, 48, e671-e696.	1.6	12
973	A New Method of Haemorrhagic Stroke Detection Via Deep Magnetic Induction Tomography. <i>Frontiers in Neuroscience</i> , 2021, 15, 659095.	1.4	5
974	Novel Method to Improve the Uniformity of 7T Body MR Images. <i>Concepts in Magnetic Resonance Part B</i> , 2021, 2021, 1-9.	0.3	0
975	Effect of radiofrequency inhomogeneity on water-content based electrical properties tomography and its correction by flip angle maps. <i>Magnetic Resonance Imaging</i> , 2021, 78, 25-34.	1.0	4
976	Atlas construction and spatial normalisation to facilitate radiation-induced late effects research in childhood cancer. <i>Physics in Medicine and Biology</i> , 2021, 66, 105005.	1.6	6
977	Performance analysis of integrated RF microstrip transmit antenna arrays with high channel count for body imaging at 7 T. <i>NMR in Biomedicine</i> , 2021, 34, e4515.	1.6	14
978	Adjustable RF Transmitter Head Coil: Improving Transmit Efficiency With SAR Management for 7-T Magnetic Resonance Imaging. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021, 69, 2686-2696.	2.9	10
979	Robust RF shimming and small-tip-angle multispoke pulse design with finite-difference regularization. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1472-1481.	1.9	6
980	Motor and cognitive outcomes of cerebello-spinal stimulation in neurodegenerative ataxia. <i>Brain</i> , 2021, 144, 2310-2321.	3.7	38
981	Folded-end dipole transceiver array for human whole-brain imaging at 7T. <i>NMR in Biomedicine</i> , 2021, 34, e4541.	1.6	11
982	SAR and temperature distributions in a database of realistic human models for 7 T cardiac imaging. <i>NMR in Biomedicine</i> , 2021, 34, e4525.	1.6	4
983	RF Exposure Assessment for Various Poses of Patient Assistant in Open MRI Environment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4967.	1.3	3
984	Posture-Transformed Monkey Phantoms Developed from a Visible Monkey. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4430.	1.3	2
985	32-Channel self-grounded bow-tie transceiver array for cardiac MR at 7.0T. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2862-2879.	1.9	7
986	9.4-T double-tuned $^{13}\text{C}/^1\text{H}$ human head array using a combination of surface loops and dipole antennas. <i>NMR in Biomedicine</i> , 2021, 34, e4577.	1.6	9
987	Automated medical avatar animation for warfighter mission simulation. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 91, S107-S112.	1.1	0
988	Anatomical 3D Modeling of Upper Limb for Bio-impedance based Hand Motion Interpretation. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
989	A comprehensive survey on non-invasive wearable bladder volume monitoring systems. Medical and Biological Engineering and Computing, 2021, 59, 1373-1402.	1.6	11
990	Post-processing algorithms for specific absorption rate compression. Magnetic Resonance in Medicine, 2021, 86, 2853-2861.	1.9	4
991	Design and Implementation of Two 16-Element Antisymmetric Transceiver Coil Arrays for Parallel Transmission Human Cardiac MRI at 7 T. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3540-3557.	2.9	8
992	Displacement current distribution on a high dielectric constant helmet and its effect on RF field at 10.5 T (447 MHz). Magnetic Resonance in Medicine, 2021, 86, 3292-3303.	1.9	5
993	A Nested Eight-Channel Transmit Array With Open-Face Concept for Human Brain Imaging at 7 Tesla. Frontiers in Physics, 2021, 9, .	1.0	13
994	Safety and imaging performance of two-channel RF shimming for fetal MRI at 3T. Magnetic Resonance in Medicine, 2021, 86, 2810-2821.	1.9	3
995	A Fast Volume Integral Equation Solver With Linear Basis Functions for the Accurate Computation of EM Fields in MRI. IEEE Transactions on Antennas and Propagation, 2021, 69, 4020-4032.	3.1	8
996	Inside Humans: Creating a Simple Layered Anatomical Model from Human Surface Scans. Frontiers in Virtual Reality, 2021, 2, .	2.5	4
997	A local multi-transmit coil combined with a high-density receive array for cerebellar fMRI at 7T. NMR in Biomedicine, 2021, 34, e4586.	1.6	7
998	Design and Implementation of Split-Leg Type Elliptical Whole-Body Birdcage RF Coil at 1.5 T MRI. Applied Sciences (Switzerland), 2021, 11, 7448.	1.3	4
999	Body-loop related MRI radiofrequency-induced heating hazards: Observations, characterizations, and recommendations. Magnetic Resonance in Medicine, 2022, 87, 337-348.	1.9	6
1000	Computational Estimate of the Induced Electric Field along Neuronal Fibers in TMS Applications. , 2021, , .		2
1001	Determination of the Larmor Frequency for Highest Transmit Efficiency in the Head. , 2021, , .		1
1002	Design and Construction of a PET-Compatible Double-Tuned $^1\text{H}/^{31}\text{P}$ MR Head Coil. IEEE Transactions on Medical Imaging, 2021, 40, 2015-2022.	5.4	3
1003	Rapid safety assessment and mitigation of radiofrequency induced implant heating using small root mean square sensors and the sensor matrix $\langle i\mathbf{Q}\mathbf{Q}^{\text{H}}\mathbf{i} \rangle$. Magnetic Resonance in Medicine, 2022, 87, 509-527.	1.9	8
1004	Evaluation of 8-Channel Radiative Antenna Arrays for Human Head Imaging at 10.5 Tesla. Sensors, 2021, 21, 6000.	2.1	5
1005	A phased array applicator based on open ridged waveguide antenna for microwave hyperthermia. Microwave and Optical Technology Letters, 2021, 63, 3086-3091.	0.9	5
1006	Occupational exposure to electromagnetic fields in magnetic resonance environment: an update on regulation, exposure assessment techniques, health risk evaluation, and surveillance. Medical and Biological Engineering and Computing, 2022, 60, 297-320.	1.6	11

#	ARTICLE	IF	CITATIONS
1007	A geometrically accurate 3 dimensional model of human thermoregulation for transient cold and hot environments. Computers in Biology and Medicine, 2021, 138, 104892.	3.9	21
1008	A radially interleaved sodium and proton coil array for brain MRI at 7T. NMR in Biomedicine, 2021, 34, e4608.	1.6	8
1009	Treatment planning facilitates clinical decision making for hyperthermia treatments. International Journal of Hyperthermia, 2021, 38, 532-551.	1.1	14
1010	Design of microstrip transmission line array for magnetic resonance imaging at 300MHz for spinal cord examination. Journal of Electromagnetic Waves and Applications, 2021, 35, 1125-1139.	1.0	3
1011	Effect of radiofrequency shield diameter on signal-to-noise ratio at ultra-high field MRI. Magnetic Resonance in Medicine, 2021, 85, 3522-3530.	1.9	11
1012	Evaluation of the radiofrequency performance of a wide-bore 1.5T positron emission tomography/magnetic resonance imaging body coil for radiotherapy planning. Physics and Imaging in Radiation Oncology, 2021, 17, 13-19.	1.2	2
1013	Fast online-customized (FOCUS) parallel transmission pulses: A combination of universal pulses and individual optimization. Magnetic Resonance in Medicine, 2021, 85, 3140-3153.	1.9	29
1014	A Novel Method to Predict the Maximum Electric Fields in Different Body Parts Exposed to Uniform Low-Frequency Magnetic Field. IEEE Transactions on Electromagnetic Compatibility, 2021, , 1-9.	1.4	1
1015	In silico assessment of collateral eddy current heating in biocompatible implants subjected to magnetic hyperthermia treatments. International Journal of Hyperthermia, 2021, 38, 846-861.	1.1	10
1016	Effect of skin conductivity on the electric field induced by transcranial stimulation techniques in different head models. Physics in Medicine and Biology, 2021, 66, 035010.	1.6	13
1017	Real-time assessment of potential peak local specific absorption rate value without phase monitoring: Trigonometric maximization method for worst-case local specific absorption rate determination. Magnetic Resonance in Medicine, 2021, 85, 3420-3433.	1.9	6
1018	Patient-Specific RF Safety Assessment in MRI: Progress in Creating Surface-Based Human Head and Shoulder Models. , 2019, , 245-282.		4
1021	Body Absorbed Radiation and Design Issues for Wearable Antennas and Sensors. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 399-402.	0.2	2
1022	Compliance of non-sinusoidal or pulsed magnetic fields generated by industrial sources with reference to human exposure guidelines. , 2020, , .		4
1023	Therapy's individualization of bone injuries with the magnetic field applicators. , 2016, , .		4
1024	Simulation of Inductive Power Transfer Systems Exposing a Human Body With Two-Step Scaled-Frequency FDTD Methods. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	7
1025	Operator Safety and Field Focality in Aluminum Shielded Transcranial Magnetic Stimulation. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	9
1026	Manycore Stencil Computations in Hyperthermia Applications. Chapman & Hall/CRC Computational Science, 2010, , 255-277.	0.5	3

#	ARTICLE	IF	CITATIONS
1027	PTFOS: Flexible and Absorbable Intracranial Electrodes for Magnetic Resonance Imaging. PLoS ONE, 2012, 7, e41187.	1.1	15
1028	Sequence Comparison for Non-Enhanced MRA of the Lower Extremity Arteries at 7 Tesla. PLoS ONE, 2014, 9, e86274.	1.1	14
1029	Non-Enhanced T1-Weighted Liver Vessel Imaging at 7 Tesla. PLoS ONE, 2014, 9, e97465.	1.1	9
1030	Investigation of the Saturation Pulse Artifact in Non-Enhanced MR Angiography of the Lower Extremity Arteries at 7 Tesla. PLoS ONE, 2015, 10, e0119845.	1.1	2
1031	Characterization of In-Body to On-Body Wireless Radio Frequency Link for Upper Limb Prostheses. PLoS ONE, 2016, 11, e0164987.	1.1	15
1032	Small-angle X-ray scattering characteristics of mouse brain: Planar imaging measurements and tomographic imaging simulations. PLoS ONE, 2017, 12, e0186451.	1.1	3
1033	Combined Simulation of Bioelectromagnetics and Nerve Activation and its Application. IEEE Transactions on Fundamentals and Materials, 2018, 138, 265-270.	0.2	3
1034	SURROGATE MODELING OF INDOOR DOWN-LINK HUMAN EXPOSURE BASED ON SPARSE POLYNOMIAL CHAOS EXPANSION. , 2020, 10, 145-163.		4
1035	Multifrequency approach in hyperthermia treatment planning: Impact of frequency on SAR distribution in head and neck. , 2017, , .		4
1036	A voxel-based electrostatic field analysis for the virtual-human model Duke using the indirect boundary element method with a GPU-accelerated fast multipole method. WIT Transactions on Modelling and Simulation, 2014, , .	0.0	1
1037	Dawn of the Visible Monkey: Segmentation of the Rhesus Monkey for 2D and 3D Applications. Journal of Korean Medical Science, 2020, 35, e100.	1.1	4
1038	Cardiac functional magnetic resonance imaging at 7T: Image quality optimization and ultra-high field capabilities. World Journal of Radiology, 2020, 12, 231-246.	0.5	8
1039	Dispersive FDTD Modeling of Human Body. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 205-215.	0.0	1
1040	Performance Enhancement of an MTL Coil Loaded With High-Permittivity Dielectric Liner for 7 T Brain MRI. IEEE Access, 2021, 9, 144417-144425.	2.6	3
1041	Microwave Imaging of the Neck by Means of Artificial Neural Networks for Tumor Detection. IEEE Open Journal of Antennas and Propagation, 2021, 2, 1044-1056.	2.5	9
1042	Adaptive Clustering Distorted Born Iterative Method for Microwave Brain Tomography With Stroke Detection and Classification. IEEE Transactions on Biomedical Engineering, 2022, 69, 1512-1523.	2.5	20
1043	Dosimetric assessment of clinical staff exposed to magnetic field produced by a transcranial magnetic stimulation circular coil. , 2021, , .		2
1044	Assessment of Human Exposure to Electromagnetic Fields: Review and Future Directions. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1619-1630.	1.4	62

#	ARTICLE	IF	CITATIONS
1045	Robust and Scalable Interactive Freeform Modeling of High Definition Medical Images. Lecture Notes in Computer Science, 2012, , 1-11.	1.0	1
1046	Numerical Assessment of EEG Electrode Artifacts during EMF Exposure in Human Provocation Studies. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 408-415.	0.2	1
1048	The Impact of Thermal Modeling on Limiting RF-EMF. Journal of Electromagnetic Analysis and Applications, 2013, 05, 137-144.	0.1	1
1049	MRI-Induced Tissue Heating at Metallic Sutures (Cerclages). Journal of Electromagnetic Analysis and Applications, 2013, 05, 354-358.	0.1	0
1050	Mobi-Kids Study: Exposure Assessment of Electromagnetic Radiation from Mobile Phones I. Analysis on Exposure Types. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2013, 24, 1017-1026.	0.0	1
1051	Mobi-Kids Study: Exposure Assessment of Electromagnetic Radiation from Mobile Phones -II. Evaluation Method of Head SAR and Cumulative Dose. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2013, 24, 1158-1166.	0.0	2
1052	Neural Recording and Neural Stimulation Circuits and Systems. , 2014, , 217-242.		0
1053	Design of a TM ₃₁ Higher Order Mode Half Circular-Ring Microstrip Patch Antenna for On-Body Communications. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2014, 25, 491-503.	0.0	0
1054	A New Method to Estimate the Induced Electric Field in the Human Child Exposed to a 100 kHz-10 MHz Magnetic Field Using Body Size Parameters. Journal of Magnetics, 2014, 19, 174-180.	0.2	1
1055	Methodology for Transformation of Individual Scan Data into Realistic Animated Human Models. , 2014, , .		0
1056	Design of Various WBAN Antennas Considering for the Location on a Human Body. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2014, 25, 1095-1103.	0.0	0
1057	Oddziaływanie aplikatorów w pola magnetycznego na otoczenie w zależności od kształtu sygnału zasilającego. Przegląd Elektrotechniczny, 2015, 1, 205-206.	0.1	0
1058	Link budget investigations for ingestible antenna in MedRadio band. , 2015, , .		0
1059	Design of a Planar Antenna with Monopole-like Radiation Pattern for On-Body Communications. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2015, 26, 365-373.	0.0	0
1060	Children's Mobile Phone Use and Dosimetry. Journal of the Korean Institute of Electromagnetic Engineering and Science, 2015, 15, 167-172.	2.9	3
1061	Analysis of Safety Distance and Maximum Permissible Power of Resonant Wireless Power Transfer Systems with Regard to Magnetic Field Exposure. Journal of Magnetics, 2015, 20, 450-459.	0.2	0
1063	Computational Study of Thermal Changes during the Non-invasive Neuro-electrostimulation of the Nerve Structures in the Human Neck - Modelling Using Finite Element Method. , 2017, , .		1
1065	Magnetresonanztomographie und -spektroskopie. , 2018, , 205-283.		0

#	ARTICLE	IF	CITATIONS
1068	Possible Interactions Between Stent and Electromagnetic Field. Science Technology and Innovation, 2018, 3, 48-51.	0.0	2
1069	Mathematical Phantoms. , 2019, , 893-900.		0
1070	Estimates of Peak Electric Fields Induced by Transcranial Magnetic Stimulation in Pregnant Women as Patients or Operators Using an FEM Full-Body Model. , 2019, , 49-73.		3
1071	Modelling Studies of Non-invasive Electric and Magnetic Stimulation of the Spinal Cord. , 2021, , 139-165.		5
1073	Near-field Occupational Exposure in FM Transmission Pylons. , 2020, , .		0
1074	A 16-Channel Dipole Antenna Array for Human Head Magnetic Resonance Imaging at 10.5 Tesla. Sensors, 2021, 21, 7250.	2.1	9
1075	Towards blood flow in the virtual human: efficient self-coupling of HemeLB. Interface Focus, 2021, 11, 20190119.	1.5	10
1076	Three-Line Microstrip Array for Whole-Body MRI System at 7 T. Applied Sciences (Switzerland), 2021, 11, 73.	1.3	0
1077	uso da tecnologia no ensino da anatomia humana: revisÃ£o sistemÃ¡tica da literatura de 2017 a 2020. Medicina, 2020, 53, 447-455.	0.0	4
1078	Learning to ground medical text in a 3D human atlas. , 2020, , .		3
1079	A Cascaded Heterogeneous Equivalent Network for Evaluating RF-Induced Hazards on Active Implantable Medical Devices. IEEE Transactions on Electromagnetic Compatibility, 2022, 64, 286-294.	1.4	0
1080	Estimation of Electric Field Induced in Homogeneous Human Body Model Standing in Uniform Electric Field at Power Frequency. IEEJ Transactions on Fundamentals and Materials, 2019, 139, 697-698.	0.2	1
1081	Forward Calculation for Improving the Sensitivity of Multiple Perturbations in Magnetic Induction Tomography Based on Brain Tissue Structure. Communications in Computer and Information Science, 2020, , 420-432.	0.4	0
1082	RF Heating of Implants in MRI: Electromagnetic Analysis and Solutions. Investigative Magnetic Resonance Imaging, 2020, 24, 67.	0.2	8
1083	Estimation of short-circuit current induced by ELF uniform electric fields in grounded humans with different body shapes based on a semi-ellipsoidal model. Biomedical Physics and Engineering Express, 2020, 6, 055012.	0.6	0
1084	Calculation of Electrostatically Induced Electric Fields in Human Models using a Two-step Process Method of Voxel-based Fast Multipole Surface Charge Simulation Method. IEEJ Transactions on Fundamentals and Materials, 2020, 140, 481-490.	0.2	0
1085	Cardiac functional magnetic resonance imaging at 7T: Image quality optimization and ultra-high field capabilities. World Journal of Radiology, 2020, 12, 229-246.	0.5	0
1086	Simplified human body models for wearable antenna impedance simulations and measurements. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
1087	Numerical Analysis of Human Exposure to Nonuniform Electromagnetic Field from Low-Frequency Wireless Power Transfer Systems. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2020, 31, 851-854.	0.0	0
1088	Variability in Quantitative DCE-MRI: Sources and Solutions. Journal of Nature and Science, 2018, 4, .	1.1	18
1089	A fast tool for the parametric analysis of human body exposed to LF electromagnetic fields in biomedical applications. Computer Methods and Programs in Biomedicine, 2022, 214, 106543.	2.6	8
1090	Review of Existing Research on the Effects of Human Exposure to RF EMF. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2021, 32, 857-871.	0.0	0
1091	Comparison of different wireless coils for 1.5 T bilateral breast MRI. Journal of Physics: Conference Series, 2021, 2015, 012116.	0.3	2
1092	Comparison of SAR distribution of hip and knee implantable devices in 1.5T conventional cylindrical bore and 1.2T open bore vertical MRI systems. Magnetic Resonance in Medicine, 2022, 87, 1515-1528.	1.9	3
1093	Case Report: Initial Evidence of Safety and Efficacy of High Definition-Transcranial Direct Current Stimulation in a Patient With Neuropathic Pain and Implanted Spinal Cord Stimulator. Frontiers in Pain Research, 2021, 2, 753464.	0.9	1
1094	High fidelity blood flow in a patient-specific arteriovenous fistula. Scientific Reports, 2021, 11, 22301.	1.6	3
1095	Feasibility of Electromagnetic Knee Imaging Verified on <i>Ex-Vivo</i> Pig Knees. IEEE Transactions on Biomedical Engineering, 2022, 69, 1651-1662.	2.5	4
1097	A Novel J-Shape Antenna Array for Simultaneous MR-PET or MR-SPECT Imaging. IEEE Transactions on Medical Imaging, 2022, 41, 1104-1113.	5.4	7
1099	High-Resolution Model of Human Skin Appendages for Electromagnetic Dosimetry at Millimeter Waves. IEEE Journal of Microwaves, 2022, 2, 214-227.	4.9	7
1101	Near-Field Exposure in FM Frequencies: New Methodology and Estimation Formulas. Bioelectromagnetics, 2022, , .	0.9	1
1102	Exposure Assessment to Radiofrequency Electromagnetic Fields in Occupational Military Scenarios: A Review. International Journal of Environmental Research and Public Health, 2022, 19, 920.	1.2	5
1103	Evaluation of radiation dose to pediatric models from whole body PET/CT imaging. Journal of Applied Clinical Medical Physics, 2022, , e13545.	0.8	4
1105	Microwave-Based Detection of the Bladder State as a Support Tool for Urinary Incontinence [Bioelectromagnetics]. IEEE Antennas and Propagation Magazine, 2022, 64, 112-122.	1.2	11
1106	Progress in Understanding Radiofrequency Heating and Burn Injuries for Safer MR Imaging. Magnetic Resonance in Medical Sciences, 2023, 22, 7-25.	1.1	2
1107	Numerical Analysis of Transcranial Magnetic Stimulation Application in Patients With Orofacial Pain. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 590-599.	2.7	0
1108	Comparative Study of different Seat Cushion Materials to improve the Comfort of Tractor Seat. Journal of the Institution of Engineers (India): Series A, 2022, 103, 387-396.	0.6	3

#	ARTICLE	IF	CITATIONS
1109	Systematic numerical assessment of occupational exposure to electromagnetic fields of transcranial magnetic stimulation. <i>Medical Physics</i> , 2022, 49, 3416-3431.	1.6	4
1110	Genetic Algorithm for TMS Coil Position Optimization in Stroke Treatment. <i>Frontiers in Public Health</i> , 2021, 9, 794167.	1.3	2
1111	Personalized local SAR prediction for parallel transmit neuroimaging at $7T$ from a single $T1$-weighted dataset. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 464-475.	1.9	9
1112	A NEW METHOD FOR ESTIMATING INCREASE IN RADIATION DOSE ASSOCIATED WITH IODINATED CONTRAST USE. <i>Radiation Protection Dosimetry</i> , 2022, , .	0.4	0
1113	Fast Prediction of RF-induced Heating for Sacral Neuromodulation System Exposed to Multi-Channel 2 RF Field at 3T MRI. , 2021, 2021, 4159-4162.		5
1114	Evaluation of the RF-induced lead-tip heating of AIMDs using a Volume-Weighed Tissue-Cluster Model for 1.5T MRI. , 2021, 2021, 1527-1530.		4
1115	Improved Calculation Method of Coupling Factors for Low-Frequency Wireless Power Transfer Systems. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 44.	1.2	1
1116	Performance and safety assessment of an integrated transmit array for body imaging at 7ÅT under consideration of specific absorption rate, tissue temperature, and thermal dose. <i>NMR in Biomedicine</i> , 2022, 35, e4656.	1.6	9
1117	Landmark Effects on RF-induced Heating for Patients with Artificial Shoulder at 1.5 T MRI. , 2021, , .		3
1118	Estimation of RF and ELF dose by anatomical location in the brain from wireless phones in the MOBI-Kids study. <i>Environment International</i> , 2022, 163, 107189.	4.8	8
1119	Interference thresholds for active implantable cardiovascular devices in occupational low-frequency electric and magnetic fields: a numerical and in vitro study. <i>Medical Engineering and Physics</i> , 2022, 104, 103799.	0.8	3
1122	Electric Field Distribution Induced by TMS: Differences Due to Anatomical Variation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4509.	1.3	3
1123	Preferential activation of proprioceptive and cutaneous sensory fibers compared to motor fibers during cervical transcutaneous spinal cord stimulation: A computational study. <i>Journal of Neural Engineering</i> , 2022, , .	1.8	11
1124	A Microwave Imaging Technique Based on Artificial Neural Networks for Neck Tumors Detection. , 2022, , .		0
1125	Novel Numerical Basis Sets for Electromagnetic Field Expansion in Arbitrary Inhomogeneous Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 8227-8241.	3.1	2
1126	Optimizing sensory fiber activation during cervical transcutaneous spinal stimulation using different electrode configurations: A computational analysis. <i>Artificial Organs</i> , 0, , .	1.0	0
1127	High-permittivity pads to enhance SNR and transmit efficiency in MRI of the heart at 7T: a simulation study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 903-909.	1.1	5
1128	A Fetal Brain magnetic resonance Acquisition Numerical phantom (FaBiAN). <i>Scientific Reports</i> , 2022, 12, .	1.6	4

#	ARTICLE	IF	CITATIONS
1129	A Monopole and Dipole Hybrid Antenna Array for Human Brain Imaging at 10.5 Tesla. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1857-1861.	2.4	4
1130	Numerical Analysis of RF-Induced Heating While Wearing Face Mask at Magnetic Resonance Imaging. IEEE Access, 2022, 10, 60946-60954.	2.6	1
1131	Measurement and image-based estimation of dielectric properties of biological tissues “past, present, and future”. Physics in Medicine and Biology, 2022, 67, 14TR01.	1.6	32
1132	A 3-D virtual human model for simulating heat and cold stress. Journal of Applied Physiology, 2022, 133, 288-310.	1.2	6
1133	A Hybrid Volume-Surface Integral Equation Method for Rapid Electromagnetic Simulations in MRI. IEEE Transactions on Biomedical Engineering, 2023, 70, 105-114.	2.5	2
1134	An update on computational anthropomorphic anatomical models. Digital Health, 2022, 8, 205520762211119.	0.9	5
1135	A 32-element loop/dipole hybrid array for human head imaging at 7T. Magnetic Resonance in Medicine, 2022, 88, 1912-1926.	1.9	12
1136	Analysis of Numerical Artifacts Using Tetrahedral Meshes in Low Frequency Numerical Dosimetry. Applied Sciences (Switzerland), 2022, 12, 6526.	1.3	4
1137	Bench to bore ramifications of inter-subject head differences on RF shimming and specific absorption rates at 7T. Magnetic Resonance Imaging, 2022, 92, 187-196.	1.0	1
1138	Effects of Electromagnetic Fields Generated from Transcutaneous Transformer. Nihon AEM Gakkaishi, 2022, 30, 222-229.	0.0	0
1139	Computational techniques in bio-electromagnetics: theory and perspectives. , 2022, , .		0
1140	On Anatomical Human Models for Evaluation of Exposure to Electromagnetic Fields. , 2022, , .		0
1141	Improved Anatomical Female Breast Model: 3D Realization and Its Application to Numerical Plane Wave Exposure. , 2022, , .		3
1142	The impact of respiratory motion on electromagnetic fields and specific absorption rate in cardiac imaging at 7T. Magnetic Resonance in Medicine, 2022, 88, 2645-2661.	1.9	7
1143	The specific heat of the human body is lower than previously believed: The Journal of Temperature toolbox. Temperature, 0, , 1-5.	1.7	5
1144	Modeling a 3-D multiscale blood-flow and heat-transfer framework for realistic vascular systems. Scientific Reports, 2022, 12, .	1.6	3
1145	Heating of metallic biliary stents during magnetic hyperthermia of patients with pancreatic ductal adenocarcinoma: an in silico study. International Journal of Hyperthermia, 2022, 39, 1222-1232.	1.1	3
1146	Safety Assessment of H-Coil for Nursing Staff in Deep Transcranial Magnetic Stimulation. IEEE Magnetics Letters, 2022, 13, 1-5.	0.6	1

#	ARTICLE	IF	CITATIONS
1147	Computation of Absorbed Power Densities in High-Resolution Head Models by Considering Skin Thickness in Quasi-Millimeter and Millimeter Wave Bands. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 516-523.	2.3	10
1148	Personenschutz bei induktivem Laden von Fahrzeugbatterien – Ansätze zur praktikablen Echtzeitbestimmung der magneto-quasistatischen Körperexposition. , 2022, , 173-194.		0
1149	Simulation-Driven Triple-Tuned Array for 1^{H} , ^{31}P and ^{23}Na Using Composite Right- and Left-Handed Transmission Line for Rat Brain at 9.4T MRI. IEEE Access, 2022, 10, 104429-104435.	2.6	1
1150	Simulations of Induced Current Distribution inside a Virtual Human Model during Stroke Treatment. , 2022, , .		0
1151	Effect of Treatment for Abandoned DBS Leads on RF-Induced Heating during 1.5T MRI. , 2022, , .		0
1152	Detailed measurements and simulations of electric field distribution of two TMS coils cleared for obsessive compulsive disorder in the brain and in specific regions associated with OCD. PLoS ONE, 2022, 17, e0263145.	1.1	5
1153	RF-induced Heating Evaluation for Passive Device in Tissue-Reduced Virtual Family Models at 1.5 T. , 2022, , .		0
1154	Parallel Transmission Effect on RF-induced Local SAR of Face Mask during 3T MRI. , 2022, , .		0
1155	Patient-derived breast model repository, a tool for hyperthermia treatment planning and applicator design. International Journal of Hyperthermia, 2022, 39, 1213-1221.	1.1	4
1156	A Review of Computational Phantoms for Quality Assurance in Radiology and Radiotherapy in the Deep-Learning Era. Journal of Radiation Protection and Research, 2022, 47, 111-133.	0.3	3
1157	Credibility assessment of patient-specific computational modeling using patient-specific cardiac modeling as an exemplar. PLoS Computational Biology, 2022, 18, e1010541.	1.5	4
1158	Study on the Effect of Non-Symmetrical Current Distribution Controlled by Capacitor Placement in Radio-Frequency Coils for 7T MRI. Biosensors, 2022, 12, 867.	2.3	2
1159	Magnetic dosimetry simulations of wireless power transfer systems with high resolution voxel models utilizing the $\text{co}\hat{\text{e}}\text{simulation}$ scalar potential finite difference scheme. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 0, , .	1.2	1
1160	GPU-Based Near Real-Time Estimation of the Human Body Penetrating Low-Frequency Magnetic Fields Using Free Space Field Measurements. , 2022, , .		0
1161	Proposed Safety Guidelines for Patient Assistants in an Open MRI Environment. International Journal of Environmental Research and Public Health, 2022, 19, 15185.	1.2	1
1162	MARIE 2.0: A Perturbation Matrix Based Patient-Specific MRI Field Simulator. IEEE Transactions on Biomedical Engineering, 2023, 70, 1575-1586.	2.5	1
1163	Interplay Between Electrical Conductivity of Tissues and Position of Electrodes in Transcutaneous Spinal Direct Current Stimulation (tsDCS). , 2023, , 101-122.		0
1164	A systematic review of computational models for the design of spinal cord stimulation therapies: from neural circuits to patient-specific simulations. Journal of Physiology, 2023, 601, 3103-3121.	1.3	5

#	ARTICLE	IF	CITATIONS
1165	Ultra-high field MRI: parallel-transmit arrays and RF pulse design. <i>Physics in Medicine and Biology</i> , 2023, 68, 02TR02.	1.6	5
1166	Predicting RF-Induced Heating for Deep Brain Stimulator System Using an Artificial Neural Network. , 2022, , .		2
1167	RF-induced Heating Near Active Implanted Medical Devices in MRI: Impact of Tissue Simulating Medium. , 2023, , 125-132.		0
1168	Electromagnetic Compatibility Evaluation of Wireless Charging Systems for Public Spaces. , 2022, , .		2
1169	Head Model Simplification Methods Based on Validity Estimate for Transcranial Magnetic Stimulation. , 2022, , .		0
1171	Lumbar trans-spinal direct current stimulation: A modeling-experimental approach to dorsal root ganglia stimulation. <i>Frontiers in Neuroscience</i> , 0, 16, .	1.4	2
1172	Correcting image distortions from a nonlinear $B_1 + \nabla \cdot \mathbf{B}_1$ gradient field in frequency-modulated Rabi-encoded echoes. <i>Magnetic Resonance in Medicine</i> , 0, , .	1.9	2
1173	Finite element model of female thermoregulation with geometry based on medical images. <i>Journal of Thermal Biology</i> , 2023, 113, 103477.	1.1	7
1174	Wireless Bioelectronic Interfaces Electromagnetic Performance and Safety. , 2023, , 851-876.		0
1175	Multi-echo 2D MR thermometry in the upper leg at $7T$ using near-harmonic 2D reconstruction for initialization. <i>Magnetic Resonance in Medicine</i> , 0, , .	1.9	0
1176	GPU-Based Near Real-Time Estimation of the Human Body Penetrating Low-Frequency Magnetic Fields Using Free-Space Field Measurements. <i>IEEE Transactions on Magnetics</i> , 2023, , 1-1.	1.2	0
1177	Evaluation of Whole-Body Vibrations Effect on Tractor Driver in Indian Agricultural Conditions Using 4-Layered CAD Model. <i>Journal of the Institution of Engineers (India): Series C</i> , 0, , .	0.7	0
1178	Three dimensional models of human thermoregulation: A review. <i>Journal of Thermal Biology</i> , 2023, 112, 103491.	1.1	13
1179	An RF coil design to enable quintuple nuclear whole-brain MRI. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 2131-2141.	1.9	4
1180	Development of a Simple and Lightweight Phantom for Evaluating Human Body Avoidance Technology in Microwave Wireless Power Transfer. <i>IEICE Transactions on Communications</i> , 2023, E106.B, 645-651.	0.4	0
1181	Evaluation and Correction of B_1 -Based Brain Subject-Specific SAR Maps Using Electrical Properties Tomography. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2023, 7, 168-175.	2.3	2
1182	Design and Assessment of a Novel Biconical Human-Sized Alternating Magnetic Field Coil for MNP Hyperthermia Treatment of Deep-Seated Cancer. <i>Cancers</i> , 2023, 15, 1672.	1.7	2
1183	Hyperthermia Treatment Monitoring via Deep Learning Enhanced Microwave Imaging: A Numerical Assessment. <i>Cancers</i> , 2023, 15, 1717.	1.7	0

#	ARTICLE	IF	CITATIONS
1184	A framework for prediction of personalized pediatric nuclear medical dosimetry based on machine learning and Monte Carlo techniques. <i>Physics in Medicine and Biology</i> , 2023, 68, 084004.	1.6	1
1185	Radiofrequency antenna concepts for human cardiac MR at 14.0T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 0, , .	1.1	2
1186	Specific absorption rate (SAR) simulations for low-field ($\leq 0.1\text{T}$) MRI systems. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 0, , .	1.1	1
1187	Simulation-based evaluation of SAR and flip angle homogeneity for five transmit head arrays at 14T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 0, , .	1.1	1
1188	Multi-feed, loop-dipole combined dielectric resonator antenna arrays for human brain MRI at 7T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 0, , .	1.1	2
1189	On Preconditioners of the FFT-JVIE for Inhomogeneous Dielectric Objects. <i>IEEE Transactions on Antennas and Propagation</i> , 2023, , 1-1.	3.1	0
1190	Procedural technique development. , 2023, , 81-86.		0
1192	ÄœberprÄ¼fung der elektromagnetischen Umweltverträglichkeit bei induktiver Ladung. , 2023, , 143-180.		0
1202	Safety Assessment of Human with Metal Implants Exposed to Magnetic Field Based on Numerical Method. , 2023, , .		0
1205	Evaluation of MRI RF-induced for Active Implantable Medical Implants in the vicinity of other implantable devices. , 2023, , .		0
1208	Numerical Simulation of 8-Channel Array for Human Brain Imaging using C-Shaped Dipole Antennas with Improved Coverage. , 2023, , .		0
1214	Application of Windowed ICA-Based Clutter Removal Method to Microwave Breast Multi-Tumor System. , 2023, , .		0
1216	Occupational Exposure of Therapeutic Staff in Deep Transcranial Magnetic Stimulation. , 2023, , .		0
1220	Optimization of the Permittivity of the Transfer Medium in MRgFUS to Maximize SNR and Transmit Efficiency for MRI. , 2023, , .		0
1224	Effect of non-invasive spinal cord stimulation in unmedicated adults with major depressive disorder: a pilot randomized controlled trial and induced current flow pattern. <i>Molecular Psychiatry</i> , 0, , .	4.1	1
1225	Simplified Computational Model of the Cervical Region for Transcutaneous Spinal Direct Current Stimulation. <i>IFMBE Proceedings</i> , 2024, , 266-276.	0.2	0
1226	REC-NN: A reconstruction error compensation neural network for Magnetic Resonance Electrical Property Tomography (MREPT). , 2023, , .		0
1227	Effect of Non-invasive Spinal Stimulation on Self-sustained Firing Motoneuron Model: In-Silico Study Using Human Body Model. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1229	Microwave Imaging for the Diagnosis of Stroke in Pediatric Patients: An Initial Study. , 2023, , .		0
1230	Transmit Efficiency Across a Range of Field Strengths, Relative Permittivities and Transmit Coils. , 2023, , .		0
1233	A Comparative Study of 2D and 3D Deep Learning Networks for Human Body Models Temperature Prediction [*] . , 2023, , .		0
1234	Impact of the Complexity of the Geometry in an Analytical Solution Used to Train a Deep Learning Network [*] . , 2023, , .		0