

Akimasa Hirata

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

260
papers

5,024
citations

38
h-index

59
g-index

289
ext. papers

6,453
ext. citations

2.9
avg, IF

6.99
L-index

#	Paper	IF	Citations
260	Guidelines for Limiting Exposure to Electromagnetic Fields (100 kHz to 300 GHz). <i>Health Physics</i> , 2020 , 118, 483-524	2.3	389
259	Inter-subject Variability in Electric Fields of Motor Cortical tDCS. <i>Brain Stimulation</i> , 2015 , 8, 906-13	5.1	200
258	Wireless Power Transfer Charging System for AIMDs and Pacemakers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016 , 64, 633-642	4.1	129
257	Temperature rises in the human eye exposed to EM waves in the frequency range 0.6-6 GHz. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2000 , 42, 386-393	2	118
256	Double-sided printed bow-tie antenna for UWB communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2004 , 3, 152-153	3.8	117
255	Effects of coil orientation on the electric field induced by TMS over the hand motor area. <i>Physics in Medicine and Biology</i> , 2014 , 59, 203-18	3.8	107
254	Fast multigrid-based computation of the induced electric field for transcranial magnetic stimulation. <i>Physics in Medicine and Biology</i> , 2012 , 57, 7753-65	3.8	103
253	Reducing the staircasing error in computational dosimetry of low-frequency electromagnetic fields. <i>Physics in Medicine and Biology</i> , 2012 , 57, N25-34	3.8	82
252	Temperature elevation in the human brain and skin with thermoregulation during exposure to RF energy. <i>BioMedical Engineering OnLine</i> , 2018 , 17, 1	4.1	78
251	Electric fields of motor and frontal tDCS in a standard brain space: A computer simulation study. <i>NeuroImage</i> , 2016 , 137, 140-151	7.9	76
250	Correlation of maximum temperature increase and peak SAR in the human head due to handset antennas. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2003 , 51, 1834-1841	4.1	75
249	Computational analysis shows why transcranial alternating current stimulation induces retinal phosphenes. <i>Journal of Neural Engineering</i> , 2013 , 10, 046009	5	67
248	Can electric fields explain inter-individual variability in transcranial direct current stimulation of the motor cortex?. <i>Scientific Reports</i> , 2019 , 9, 626	4.9	65
247	Temperature increase in the human head due to a dipole antenna at microwave frequencies. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2003 , 45, 109-116	2	61
246	Temperature increase in human eyes due to near-field and far-field exposures at 900 MHz, 1.5 GHz, and 1.9 GHz. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2005 , 47, 68-76	2	61
245	Where and what TMS activates: Experiments and modeling. <i>Brain Stimulation</i> , 2018 , 11, 166-174	5.1	60
244	Dominant factors influencing whole-body average SAR due to far-field exposure in whole-body resonance frequency and GHz regions. <i>Bioelectromagnetics</i> , 2007 , 28, 484-7	1.6	60

243	Confirmation of quasi-static approximation in SAR evaluation for a wireless power transfer system. <i>Physics in Medicine and Biology</i> , 2013 , 58, N241-9	3.8	59
242	Dominant factors affecting temperature rise in simulations of human thermoregulation during RF exposure. <i>Physics in Medicine and Biology</i> , 2011 , 56, 7449-71	3.8	59
241	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, 7583-93	3.8	57
240	Correlation between COVID-19 Morbidity and Mortality Rates in Japan and Local Population Density, Temperature, and Absolute Humidity. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	56
239	Influence of population density, temperature, and absolute humidity on spread and decay durations of COVID-19: A comparative study of scenarios in China, England, Germany, and Japan. <i>One Health</i> , 2021 , 12, 100203	7.6	53
238	Evaluation of SAR in a human body model due to wireless power transmission in the 10 MHz band. <i>Physics in Medicine and Biology</i> , 2012 , 57, 4991-5002	3.8	52
237	Correlation between maximum temperature increase and peak SAR with different average schemes and masses. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2006 , 48, 569-578	2	52
236	Intercomparison of induced fields in Japanese male model for ELF magnetic field exposures: effect of different computational methods and codes. <i>Radiation Protection Dosimetry</i> , 2010 , 138, 237-44	0.9	51
235	Intercomparison of whole-body averaged SAR in European and Japanese voxel phantoms. <i>Physics in Medicine and Biology</i> , 2008 , 53, 5883-97	3.8	50
234	FDTD analysis of human body-core temperature elevation due to RF far-field energy prescribed in the ICNIRP guidelines. <i>Physics in Medicine and Biology</i> , 2007 , 52, 5013-23	3.8	49
233	Dosimetry in models of child and adult for low-frequency electric field. <i>IEEE Transactions on Biomedical Engineering</i> , 2001 , 48, 1007-12	5	49
232	On the averaging area for incident power density for human exposure limits at frequencies over 6 GHz. <i>Physics in Medicine and Biology</i> , 2017 , 62, 3124-3138	3.8	47
231	Influence of Absolute Humidity, Temperature and Population Density on COVID-19 Spread and Decay Durations: Multi-Prefecture Study in Japan. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	47
230	Low-frequency electrical dosimetry: research agenda of the IEEE International Committee on Electromagnetic Safety. <i>Physics in Medicine and Biology</i> , 2016 , 61, R138-49	3.8	47
229	Correlation between peak spatial-average SAR and temperature increase due to antennas attached to human trunk. <i>IEEE Transactions on Biomedical Engineering</i> , 2006 , 53, 1658-64	5	46
228	Guidelines for TMS/tES clinical services and research through the COVID-19 pandemic. <i>Brain Stimulation</i> , 2020 , 13, 1124-1149	5.1	45
227	The correlation between mass-averaged SAR and temperature elevation in the human head model exposed to RF near-fields from 1 to 6 GHz. <i>Physics in Medicine and Biology</i> , 2009 , 54, 7227-38	3.8	41
226	Parameter variation effects on temperature elevation in a steady-state, one-dimensional thermal model for millimeter wave exposure of one- and three-layer human tissue. <i>Physics in Medicine and Biology</i> , 2010 , 55, 4647-59	3.8	40

225	FDTD analysis of body-core temperature elevation in children and adults for whole-body exposure. <i>Physics in Medicine and Biology</i> , 2008 , 53, 5223-38	3.8	40
224	In-situ electric field in human body model in different postures for wireless power transfer system in an electrical vehicle. <i>Physics in Medicine and Biology</i> , 2015 , 60, 163-73	3.8	39
223	FDTD-derived correlation of maximum temperature increase and peak SAR in child and adult head models due to dipole antenna. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2006 , 48, 240-247	2	39
222	Atlas of optimal coil orientation and position for TMS: A computational study. <i>Brain Stimulation</i> , 2018 , 11, 839-848	5.1	35
221	Dipole Antenna Above EBG Substrate for Local SAR Reduction. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011 , 10, 904-906	3.8	35
220	Computational verification of anesthesia effect on temperature variations in rabbit eyes exposed to 2.45 GHz microwave energy. <i>Bioelectromagnetics</i> , 2006 , 27, 602-12	1.6	35
219	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018 , 60, 589-597	2	34
218	Relationship between peak spatial-averaged specific absorption rate and peak temperature elevation in human head in frequency range of 1-30 GHz. <i>Physics in Medicine and Biology</i> , 2016 , 61, 5406-5425	3.8	34
217	An Operational VHF Broadband Digital Interferometer for Lightning Monitoring. <i>IEEJ Transactions on Fundamentals and Materials</i> , 2004 , 124, 1232-1238	0.2	34
216	. <i>IEEE Access</i> , 2019 , 7, 171346-171356	3.5	34
215	Temperature elevation in the eye of anatomically based human head models for plane-wave exposures. <i>Physics in Medicine and Biology</i> , 2007 , 52, 6389-99	3.8	33
214	An equivalent skin conductivity model for low-frequency magnetic field dosimetry. <i>Biomedical Physics and Engineering Express</i> , 2015 , 1, 015201	1.5	32
213	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, 4091-101	3.8	32
212	ON AVERAGING MASS OF SAR CORRELATING WITH TEMPERATURE ELEVATION DUE TO A DIPOLE ANTENNA. <i>Progress in Electromagnetics Research</i> , 2008 , 84, 221-237	3.8	32
211	Cost of focality in TDCS: Interindividual variability in electric fields. <i>Brain Stimulation</i> , 2020 , 13, 117-124	5.1	32
210	ESTIMATION OF CORE TEMPERATURE ELEVATION IN HUMANS AND ANIMALS FOR WHOLE-BODY AVERAGED SAR. <i>Progress in Electromagnetics Research</i> , 2009 , 99, 53-70	3.8	31
209	Principles for Non-Ionizing Radiation Protection. <i>Health Physics</i> , 2020 , 118, 477-482	2.3	30
208	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	3.8	29

207	TMS Motor Thresholds Correlate With TDCS Electric Field Strengths in Hand Motor Area. <i>Frontiers in Neuroscience</i> , 2018 , 12, 426	5.1	29
206	Human exposure to pulsed fields in the frequency range from 6 to 100 GHz. <i>Physics in Medicine and Biology</i> , 2017 , 62, 6980-6992	3.8	29
205	Operation strategy of residential centralized photovoltaic system in remote areas. <i>Renewable Energy</i> , 2003 , 28, 997-1012	8.1	29
204	SAR and temperature increase in the human eye induced by obliquely incident plane waves. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2002 , 44, 592-594	2	28
203	Area-Averaged Transmitted Power Density at Skin Surface as Metric to Estimate Surface Temperature Elevation. <i>IEEE Access</i> , 2018 , 6, 77665-77674	3.5	28
202	The relationship between specific absorption rate and temperature elevation in anatomically based human body models for plane wave exposure from 30MHz to 6 GHz. <i>Physics in Medicine and Biology</i> , 2013 , 58, 903-21	3.8	27
201	Effect of the averaging volume and algorithm on the in situ electric field for uniform electric- and magnetic-field exposures. <i>Physics in Medicine and Biology</i> , 2010 , 55, N243-52	3.8	27
200	Acute ocular injuries caused by 60-Ghz millimeter-wave exposure. <i>Health Physics</i> , 2009 , 97, 212-8	2.3	25
199	Computational estimation of body temperature and sweating in the aged during passive heat exposure. <i>International Journal of Thermal Sciences</i> , 2015 , 89, 154-163	4.1	24
198	A high-resolution computational localization method for transcranial magnetic stimulation mapping. <i>NeuroImage</i> , 2018 , 172, 85-93	7.9	24
197	Estimation of Whole-Body Average SAR in Human Models Due to Plane-Wave Exposure at Resonance Frequency. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2010 , 52, 41-48	2	24
196	DOA estimation of ultra-wideband EM waves with MUSIC and interferometry. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2003 , 2, 190-193	3.8	23
195	. <i>IEEE Access</i> , 2020 , 8, 26863-26871	3.5	22
194	Gaps in Knowledge Relevant to the "Guidelines for Limiting Exposure to Time-Varying Electric and Magnetic Fields (1 Hz-100 kHz)". <i>Health Physics</i> , 2020 , 118, 533-542	2.3	22
193	Analysis of in situ electric field and specific absorption rate in human models for wireless power transfer system with induction coupling. <i>Physics in Medicine and Biology</i> , 2014 , 59, 3721-35	3.8	22
192	Modeling time variation of blood temperature in a bioheat equation and its application to temperature analysis due to RF exposure. <i>Physics in Medicine and Biology</i> , 2009 , 54, N189-96	3.8	22
191	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 677-685	2	21
190	Evaluation of nonuniform field exposures with coupling factors. <i>Physics in Medicine and Biology</i> , 2015 , 60, 8129-40	3.8	21

189	Multi-scale simulations predict responses to non-invasive nerve root stimulation. <i>Journal of Neural Engineering</i> , 2014 , 11, 056013	5	21
188	Local exposure of the rat cortex to radiofrequency electromagnetic fields increases local cerebral blood flow along with temperature. <i>Journal of Applied Physiology</i> , 2011 , 110, 142-8	3.7	21
187	Folded-loop antenna with a reflector for mobile handsets at 2.0 GHz. <i>Microwave and Optical Technology Letters</i> , 2004 , 40, 272-275	1.2	21
186	Full-wave modal analysis of the rectangular waveguide grating. <i>IEEE Transactions on Plasma Science</i> , 2000 , 28, 614-620	1.3	20
185	Effects of dielectric permittivities on skin heating due to millimeter wave exposure. <i>BioMedical Engineering OnLine</i> , 2009 , 8, 20	4.1	19
184	Group-level and functional-region analysis of electric-field shape during cerebellar transcranial direct current stimulation with different electrode montages. <i>Journal of Neural Engineering</i> , 2019 , 16, 036001	5	19
183	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2018 , 60, 328-337	2	18
182	Influence of electromagnetic polarization on the whole-body averaged SAR in children for plane-wave exposures. <i>Physics in Medicine and Biology</i> , 2009 , 54, N59-65	3.8	18
181	. <i>IEEE Transactions on Plasma Science</i> , 2002 , 30, 1151-1159	1.3	18
180	Estimation of heat-related morbidity from weather data: A computational study in three prefectures of Japan over 2013-2018. <i>Environment International</i> , 2019 , 130, 104907	12.9	17
179	Assessment of Human Exposure to Electromagnetic Fields: Review and Future Directions. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 63, 1619-1630	2	17
178	Significant group-level hotspots found in deep brain regions during transcranial direct current stimulation (tDCS): A computational analysis of electric fields. <i>Clinical Neurophysiology</i> , 2020 , 131, 755-765	4.3	17
177	Setting exposure guidelines and product safety standards for radio-frequency exposure at frequencies above 6 GHz: brief review. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2019 , 74, 17-24	2	17
176	In-situ electric field and current density in Japanese male and female models for uniform magnetic field exposures. <i>Radiation Protection Dosimetry</i> , 2009 , 135, 272-5	0.9	16
175	Why intra-epidermal electrical stimulation achieves stimulation of small fibres selectively: a simulation study. <i>Physics in Medicine and Biology</i> , 2016 , 61, 4479-90	3.8	16
174	. <i>IEEE Access</i> , 2018 , 6, 74536-74546	3.5	16
173	Light-Emitting Diodes (LEDS): Implications for Safety. <i>Health Physics</i> , 2020 , 118, 549-561	2.3	15
172	The electromagnetic-thermal dosimetry for the homogeneous human brain model. <i>Engineering Analysis With Boundary Elements</i> , 2016 , 63, 61-73	2.6	15

171	Computational dosimetry for grounded and ungrounded human models due to contact current. <i>Physics in Medicine and Biology</i> , 2013 , 58, 5153-72	3.8	15
170	Computational estimation of decline in sweating in the elderly from measured body temperatures and sweating for passive heat exposure. <i>Physiological Measurement</i> , 2012 , 33, N51-60	2.9	15
169	Toward automatic classification of partial discharge sources with neural networks. <i>IEEE Transactions on Power Delivery</i> , 2006 , 21, 526-527	4.3	15
168	. <i>IEEE Access</i> , 2018 , 6, 70964-70973	3.5	15
167	A multi-scale computational approach based on TMS experiments for the assessment of electro-stimulation thresholds of the brain at intermediate frequencies. <i>Physics in Medicine and Biology</i> , 2018 , 63, 225006	3.8	15
166	Wireless power transfer system applied to an active implantable medical device 2014 ,		14
165	Dosimetry Using a Localized Exposure System in the Millimeter-Wave Band for in vivo Studies on Ocular Effects. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014 , 62, 1554-1564	4.1	14
164	Computational model for calculating body-core temperature elevation in rabbits due to whole-body exposure at 2.45 GHz. <i>Physics in Medicine and Biology</i> , 2008 , 53, 3391-404	3.8	14
163	Effect of microscopic modeling of skin in electrical and thermal analysis of transcranial direct current stimulation. <i>Physics in Medicine and Biology</i> , 2016 , 61, 8825-8838	3.8	14
162	Electromagnetic Dosimetry and Compliance for Wireless Power Transfer Systems in Vehicles. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 2024-2030	2	14
161	Deep Learning-Based Development of Personalized Human Head Model With Non-Uniform Conductivity for Brain Stimulation. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2351-2362	11.7	13
160	Internal electric field in pregnant-woman model for wireless power transfer systems in electric vehicles. <i>Electronics Letters</i> , 2015 , 51, 2136-2137	1.1	13
159	Estimation of the whole-body averaged SAR of grounded human models for plane wave exposure at respective resonance frequencies. <i>Physics in Medicine and Biology</i> , 2012 , 57, 8427-42	3.8	13
158	Conservative estimation of whole-body-averaged SARs in infants with a homogeneous and simple-shaped phantom in the GHz region. <i>Physics in Medicine and Biology</i> , 2008 , 53, 7215-23	3.8	13
157	ICNIRP Note: Critical Evaluation of Two Radiofrequency Electromagnetic Field Animal Carcinogenicity Studies Published in 2018. <i>Health Physics</i> , 2020 , 118, 525-532	2.3	13
156	Averaging Area of Incident Power Density for Human Exposure from Patch Antenna Arrays. <i>IEICE Transactions on Electronics</i> , 2018 , E101.C, 644-646	0.4	13
155	Real-time estimation of electric fields induced by transcranial magnetic stimulation with deep neural networks. <i>Brain Stimulation</i> , 2019 , 12, 1500-1507	5.1	12
154	End-to-end semantic segmentation of personalized deep brain structures for non-invasive brain stimulation. <i>Neural Networks</i> , 2020 , 125, 233-244	9.1	12

153	Development of accurate human head models for personalized electromagnetic dosimetry using deep learning. <i>NeuroImage</i> , 2019 , 202, 116132	7.9	12
152	Correlation Between Absorption Cross Section and Body Surface Area of Human for Far-Field Exposure at GHz Bands 2007 ,		12
151	Improved heat transfer modeling of the eye for electromagnetic wave exposures. <i>IEEE Transactions on Biomedical Engineering</i> , 2007 , 54, 959-61	5	12
150	Assessment of absorbed power density and temperature rise for nonplanar body model under electromagnetic exposure above 6 GHz. <i>Physics in Medicine and Biology</i> , 2020 , 65, 224001	3.8	12
149	Human exposure to radiofrequency energy above 6 GHz: review of computational dosimetry studies. <i>Physics in Medicine and Biology</i> , 2021 , 66,	3.8	12
148	. <i>IEEE Access</i> , 2019 , 7, 184320-184331	3.5	12
147	Intraoperative direct subcortical stimulation: comparison of monopolar and bipolar stimulation. <i>Physics in Medicine and Biology</i> , 2018 , 63, 225013	3.8	12
146	Evaluation method for in situ electric field in standardized human brain for different transcranial magnetic stimulation coils. <i>Physics in Medicine and Biology</i> , 2017 , 62, 2224-2238	3.8	11
145	Characteristics of ocular temperature elevations after exposure to quasi- and millimeter waves (18-40 GHz). <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015 , 36, 390-399	2.2	11
144	Risk Management of Heatstroke Based on Fast Computation of Temperature and Water Loss Using Weather Data for Exposure to Ambient Heat and Solar Radiation. <i>IEEE Access</i> , 2018 , 6, 3774-3785	3.5	11
143	Computational analysis of thresholds for magnetophosphenes. <i>Physics in Medicine and Biology</i> , 2012 , 57, 6147-65	3.8	11
142	On the issues related to compliance of LF pulsed exposures with safety standards and guidelines. <i>Physics in Medicine and Biology</i> , 2013 , 58, 8597-607	3.8	11
141	Folded-loop antennas for handset terminals at the 2.0-GHz band. <i>Microwave and Optical Technology Letters</i> , 2003 , 36, 376-378	1.2	11
140	. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2017 , 59, 739-746	2	10
139	Computation of induced electric field for the sacral nerve activation. <i>Physics in Medicine and Biology</i> , 2013 , 58, 7745-55	3.8	10
138	Computational modeling of temperature elevation and thermoregulatory response in the brains of anesthetized rats locally exposed at 1.5 GHz. <i>Physics in Medicine and Biology</i> , 2011 , 56, 7639-57	3.8	10
137	Human Head Modeling for Handset Antenna Design at 5 GHz Band. <i>Journal of Electromagnetic Waves and Applications</i> , 2005 , 19, 401-411	1.3	10
136	Accuracy Compensation in Direction Finding Using Patch Antenna Array With EBG Structure. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2006 , 5, 1-3	3.8	10

135	Exposure Assessment of Array Antennas at 28 GHz Using Hybrid Spherical Near-Field Transformation and FDTD Method. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 1-9	2	10
134	Human Head Skin Thickness Modeling for Electromagnetic Dosimetry. <i>IEEE Access</i> , 2019 , 7, 46176-46186	3.5	9
133	SAR AND RADIATION CHARACTERISTICS OF A DIPOLE ANTENNA ABOVE DIFFERENTFINITE EBG SUBSTRATESIN THE PRESENCE OF A REALISTICHEAD MODEL IN THE 3.5 GHZ BAND. <i>Progress in Electromagnetics Research B</i> , 2012 , 44, 53-70	0.7	9
132	Acute dosimetry and estimation of threshold-inducing behavioral signs of thermal stress in rabbits at 2.45-GHz microwave exposure. <i>IEEE Transactions on Biomedical Engineering</i> , 2010 , 57, 1234-42	5	9
131	Quasi-Static FDTD Method for Dosimetry in Human due to Contact Current. <i>IEICE Transactions on Electronics</i> , 2010 , E93-C, 60-65	0.4	9
130	Temperature Rise for Brief Radio-Frequency Exposure Below 6 GHz. <i>IEEE Access</i> , 2018 , 6, 65737-65746	3.5	9
129	TMS activation site estimation using multiscale realistic head models. <i>Journal of Neural Engineering</i> , 2020 , 17, 036004	5	8
128	A Study on Human Body Modeling for the Mobile Terminal Antenna Design at 400 MHZ Band. <i>Journal of Electromagnetic Waves and Applications</i> , 2005 , 19, 671-687	1.3	8
127	Feasibility study of adaptive nulling on handset for 4G mobile communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2004 , 3, 120-122	3.8	8
126	One-Year Lesson: Machine Learning Prediction of COVID-19 Positive Cases with Meteorological Data and Mobility Estimate in Japan. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	8
125	Infectivity Upsurge by COVID-19 Viral Variants in Japan: Evidence from Deep Learning Modeling. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	8
124	SAR evaluation in models of an adult and a child for magnetic field from wireless power transfer systems at 6.78 MHz. <i>Biomedical Physics and Engineering Express</i> , 2016 , 2, 027001	1.5	7
123	Corticomotoneuronal Model for Intraoperative Neurophysiological Monitoring During Direct Brain Stimulation. <i>International Journal of Neural Systems</i> , 2019 , 29, 1850026	6.2	7
122	FDTD analysis of temperature elevation in the lens of human and rabbit models due to near-field and far-field exposures at 2.45 GHz. <i>Radiation Protection Dosimetry</i> , 2013 , 155, 284-91	0.9	7
121	Quasistatic Approximation for Exposure Assessment of Wireless Power Transfer. <i>IEICE Transactions on Communications</i> , 2015 , E98.B, 1156-1163	0.5	7
120	Dosimetry in Japanese male and female models for a low-frequency electric field. <i>Physics in Medicine and Biology</i> , 2007 , 52, N339-43	3.8	7
119	Transient Thermal Responses of Skin to Pulsed Millimeter Waves. <i>IEEE Access</i> , 2020 , 8, 130239-130251	3.5	7
118	. <i>IEEE Access</i> , 2018 , 1-1	3.5	7

117	No Dynamic Changes in Blood-brain Barrier Permeability Occur in Developing Rats During Local Cortex Exposure to Microwaves. <i>In Vivo</i> , 2015 , 29, 351-7	2.3	7
116	Different thermoregulatory responses of people from tropical and temperate zones: A computational study. <i>Building and Environment</i> , 2019 , 159, 106152	6.5	6
115	Learning-based estimation of dielectric properties and tissue density in head models for personalized radio-frequency dosimetry. <i>Physics in Medicine and Biology</i> , 2020 , 65, 065001	3.8	6
114	Brain AI: Deep Learning for Brain Stimulation. <i>IEEE Pulse</i> , 2019 , 10, 3-5	0.7	6
113	Multiphysics and Thermal Response Models to Improve Accuracy of Local Temperature Estimation in Rat Cortex under Microwave Exposure. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	6
112	Modeling of ESD-Induced Ultrawideband Noise Propagating on the Human Body. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2010 , 9, 1245-1247	3.8	6
111	Dispersive FDTD analysis of induced electric field in human models due to electrostatic discharge. <i>Physics in Medicine and Biology</i> , 2012 , 57, 4447-58	3.8	6
110	Time-Domain Mathematical Model of Impulsive Em Noises Emitted from Discharges. <i>Journal of Electromagnetic Waves and Applications</i> , 2006 , 20, 1681-1694	1.3	6
109	FDTD Calculation of FM-Band Crosstalks between Perpendicular Traces on Printed Circuit Board with Ground-Pattern Slits. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2009 , 129, 1642-1647 ^{9.1}	9.1	6
108	Group-level analysis of induced electric field in deep brain regions by different TMS coils. <i>Physics in Medicine and Biology</i> , 2020 , 65, 025007	3.8	6
107	Effect of Incidence Angle on the Spatial-Average of Incident Power Density Definition to Correlate Skin Temperature Rise for Millimeter Wave Exposures. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2021 , 1-16	2	6
106	Brain Cortical Stimulation Thresholds to Different Magnetic Field Sources Exposures at Intermediate Frequencies. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 1944-1952	2	5
105	Variability in TDCS electric fields: Effects of electrode size and configuration 2017 ,		5
104	DOMINANT FACTORS AFFECTING TEMPERATURE ELEVATION IN ADULT AND CHILD MODELS EXPOSED TO SOLAR RADIATION IN HOT ENVIRONMENT. <i>Progress in Electromagnetics Research B</i> , 2011 , 34, 47-61	0.7	5
103	EFFECTIVE RESISTANCE OF GROUNDED HUMANS FOR WHOLE-BODY AVERAGED SAR ESTIMATION AT RESONANCE FREQUENCIES. <i>Progress in Electromagnetics Research B</i> , 2011 , 35, 15-27	0.7	5
102	Direction-of-arrival estimation for ultra-wideband EM pulses with an interferometry. <i>Microwave and Optical Technology Letters</i> , 2003 , 37, 17-18	1.2	5
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