

Micaela Liberti

List of Publications by Year in descending order

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193
papers

2,485
citations

186265

28
h-index

265206

42
g-index

196
all docs

196
docs citations

196
times ranked

1773
citing authors

#	ARTICLE	IF	CITATIONS
1	A Consensus Panel Review of Central Nervous System Effects of the Exposure to Low-Intensity Extremely Low-Frequency Magnetic Fields. <i>Brain Stimulation</i> , 2013, 6, 469-476.	1.6	85
2	Effect of High Exogenous Electric Pulses on Protein Conformation: Myoglobin as a Case Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 2273-2279.	2.6	85
3	Feasibility for Microwaves Energy to Affect Biological Systems Via Nonthermal Mechanisms: A Systematic Approach. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013, 61, 2031-2045.	4.6	84
4	Considerations for Developing an RF Exposure System: A Review for in vitro Biological Experiments. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, 58, 2702-2714.	4.6	76
5	A molecular dynamic study of cholesterol rich lipid membranes: comparison of electroporation protocols. <i>Bioelectrochemistry</i> , 2014, 100, 11-17.	4.6	75
6	Novel Passive Element Circuits for Microdosimetry of Nanosecond Pulsed Electric Fields. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 2302-2311.	4.2	63
7	Broadband Electrical Detection of Individual Biological Cells. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014, 62, 1905-1911.	4.6	62
8	Comparison between low-level 50ÂHz and 900ÂMHz electromagnetic stimulation on single channel ionic currents and on firing frequency in dorsal root ganglion isolated neurons. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 597-605.	2.6	61
9	Human aquaporin 4 gating dynamics under and after nanosecond-scale static and alternating electric-field impulses: A molecular dynamics study of field effects and relaxation. <i>Journal of Chemical Physics</i> , 2013, 139, 205101.	3.0	61
10	Microdosimetry for Nanosecond Pulsed Electric Field Applications: A Parametric Study for a Single Cell. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1294-1302.	4.2	52
11	Electropermeabilization of Inner and Outer Cell Membranes with Microsecond Pulsed Electric Fields: Quantitative Study with Calcium Ions. <i>Scientific Reports</i> , 2017, 7, 13079.	3.3	52
12	Assessment of Cytoplasm Conductivity by Nanosecond Pulsed Electric Fields. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 1595-1603.	4.2	49
13	Integrated models for the analysis of biological effects of EM fields used for mobile communications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2000, 48, 2082-2093.	4.6	48
14	Quantitative assessment of dielectric parameters for membrane lipid bilayers from RF permittivity measurements. <i>Bioelectromagnetics</i> , 2009, 30, 286-298.	1.6	48
15	Tubulin response to intense nanosecond-scale electric field in molecular dynamics simulation. <i>Scientific Reports</i> , 2019, 9, 10477.	3.3	45
16	Dipolar response and hydrogen-bond kinetics in liquid water in square-wave time-varying electric fields. <i>Molecular Physics</i> , 2014, 112, 1870-1878.	1.7	44
17	A Comparative Analysis Between Customized and Commercial Systems for Complex Permittivity Measurements on Liquid Samples at Microwave Frequencies. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013, 62, 1034-1046.	4.7	42
18	Microdosimetric Study for Nanosecond Pulsed Electric Fields on a Cell Circuit Model with Nucleus. <i>Journal of Membrane Biology</i> , 2013, 246, 761-767.	2.1	41

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19	Controllable release from high-transition temperature magnetoliposomes by low-level magnetic stimulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 131, 136-140.	5.0	40
20	Translational and rotational diffusive motion in liquid water in square-wave time-varying electric fields. <i>Chemical Physics Letters</i> , 2013, 582, 60-65.	2.6	38
21	Mixed Quantum-Classical Methods for Molecular Simulations of Biochemical Reactions With Microwave Fields: The Case Study of Myoglobin. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2008, 56, 2511-2519.	4.6	36
22	A 3-D Microdosimetric Study on Blood Cells: A Permittivity Model of Cell Membrane and Stochastic Electromagnetic Analysis. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, 58, 691-698.	4.6	36
23	Acute exposure to low-level CW and GSM-modulated 900 MHz radiofrequency does not affect Ca^{2+} currents through voltage-gated calcium channels in rat cortical neurons. <i>Bioelectromagnetics</i> , 2007, 28, 599-607.	1.6	35
24	Assessing the Electromagnetic Fields Generated by a Radiofrequency MRI Body Coil at 64 MHz: Defeaturing Versus Accuracy. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1591-1601.	4.2	35
25	Distributed Effect in High-Frequency Electroporation of Biological Cells. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 3503-3511.	4.6	34
26	Cancellation of nerve excitation by the reversal of nanosecond stimulus polarity and its relevance to the gating time of sodium channels. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 4539-4550.	5.4	34
27	Microdosimetry in the Microwave Range: A Quantitative Assessment at Single Cell Level. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 865-868.	4.0	30
28	Modeling electromagnetic fields detectability in a HH-like neuronal system: stochastic resonance and window behavior. <i>Biological Cybernetics</i> , 2006, 94, 118-127.	1.3	29
29	Water response to intense electric fields: A molecular dynamics study. <i>Bioelectromagnetics</i> , 2015, 36, 377-385.	1.6	29
30	Microwave Exposure Systems for In Vivo Biological Experiments: A Systematic Review. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013, 61, 1980-1993.	4.6	27
31	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.	1.2	27
32	Modeling the positioning of single needle electrodes for the treatment of breast cancer in a clinical case. <i>BioMedical Engineering OnLine</i> , 2015, 14, S1.	2.7	26
33	A Microdosimetric Study of Electropulsation on Multiple Realistically Shaped Cells: Effect of Neighbours. <i>Journal of Membrane Biology</i> , 2016, 249, 691-701.	2.1	26
34	A Coplanar-Waveguide System for Cells Exposure During Electrophysiological Recordings. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2004, 52, 2521-2528.	4.6	24
35	Modeling of Chemical Reactions in Micelle: Water-Mediated Keto-Enol Interconversion As a Case Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 8102-8111.	2.6	23
36	Communication: Influence of nanosecond-pulsed electric fields on water and its subsequent relaxation: Dipolar effects and debunking memory. <i>Journal of Chemical Physics</i> , 2015, 142, 141101.	3.0	23

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37	Human aquaporin 4 gating dynamics under axially oriented electric-field impulses: A non-equilibrium molecular-dynamics study. <i>Journal of Chemical Physics</i> , 2018, 149, 245102.	3.0	23
38	Nanosecond pulsed electric signals can affect electrostatic environment of proteins below the threshold of conformational effects: The case study of SOD1 with a molecular simulation study. <i>PLoS ONE</i> , 2019, 14, e0221685.	2.5	23
39	A Real-Time Exposure System for Electrophysiological Recording in Brain Slices. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2007, 55, 2463-2471.	4.6	22
40	Human Aquaporin 4 Gating Dynamics under Perpendicularly-Oriented Electric-Field Impulses: A Molecular Dynamics Study. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1133.	4.1	22
41	Exploring the Applicability of Nano-Poration for Remote Control in Smart Drug Delivery Systems. <i>Journal of Membrane Biology</i> , 2017, 250, 31-40.	2.1	22
42	Controlled release from magnetoliposomes aqueous suspensions exposed to a low intensity magnetic field. <i>Bioelectromagnetics</i> , 2014, 35, 309-312.	1.6	21
43	Can Pulsed Electromagnetic Fields Trigger On-Demand Drug Release from High-Tm Magnetoliposomes?. <i>Nanomaterials</i> , 2018, 8, 196.	4.1	21
44	A 10- Ω High-Voltage Nanosecond Pulse Generator. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2010, , .	4.6	20
45	Transprotein-Electropore Characterization: A Molecular Dynamics Investigation on Human AQP4. <i>ACS Omega</i> , 2018, 3, 15361-15369.	3.5	20
46	Possible molecular and cellular mechanisms at the basis of atmospheric electromagnetic field bioeffects. <i>International Journal of Biometeorology</i> , 2021, 65, 59-67.	3.0	18
47	Technological and Theoretical Aspects for Testing Electroporation on Liposomes. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	17
48	Fundamental Electrical Quantities in Deep Brain Stimulation: Influence of Domain Dimensions and Boundary Conditions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 6669-72.	0.5	16
49	Stochastic resonance induced by exogenous noise in a model of a neuronal network. <i>Network: Computation in Neural Systems</i> , 2013, 24, 99-113.	3.6	16
50	Numerical characterization of intraoperative and chronic electrodes in deep brain stimulation. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 2.	2.1	16
51	Exposure to AC and DC magnetic fields induces changes in 5-HT1B receptor binding parameters in rat brain membranes. <i>Bioelectromagnetics</i> , 2006, 27, 414-422.	1.6	15
52	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 . <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1135-1144.	3.0	15
53	Controlling ionic conductivity through transprotein electropores in human aquaporin 4: a non-equilibrium molecular-dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3339-3346.	2.8	15
54	Proof-of-Concept of Electrical Activation of Liposome Nanocarriers: From Dry to Wet Experiments. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 819.	4.1	15

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55	A Wire Patch Cell Exposure System for in vitro Experiments at Wi-Fi Frequencies. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 4086-4093.	4.6	14
56	Modeling triplet flavin-indole electron transfer and interradsical dipolar interaction: a perturbative approach. Theoretical Chemistry Accounts, 2013, 132, 1.	1.4	14
57	Evidences of plasma membrane-mediated ROS generation upon ELF exposure in neuroblastoma cells supported by a computational multiscale approach. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1446-1457.	2.6	14
58	Effects of 2.45 GHz microwave fields on liposomes entrapping glycoenzyme ascorbate oxidase: Evidence for oligosaccharide side chain involvement. Bioelectromagnetics, 2004, 25, 338-345.	1.6	13
59	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.	3.0	13
60	A wide-band bio-chip for real-time optical detection of bioelectromagnetic interactions with cells. Scientific Reports, 2018, 8, 5044.	3.3	12
61	Confocal Microscopy Improves 3D Microdosimetry Applied to Nanoporation Experiments Targeting Endoplasmic Reticulum. Frontiers in Bioengineering and Biotechnology, 2020, 8, 552261.	4.1	12
62	Permeability changes of connexin32 hemi channels reconstituted in liposomes induced by extremely low frequency, low amplitude magnetic fields. Biochimica Et Biophysica Acta - Biomembranes, 2005, 1668, 33-40.	2.6	11
63	An open-label, one-arm, dose-escalation study to evaluate safety and tolerability of extremely low frequency magnetic fields in acute ischemic stroke. Scientific Reports, 2017, 7, 12145.	3.3	11
64	Automatic decoding of input sinusoidal signal in a neuron model: High pass homomorphic filtering. Neurocomputing, 2018, 292, 165-173.	5.9	11
65	Dielectric Spectroscopy of Blood Cells Suspensions: Study on Geometrical Structure of Biological Cells. , 2006, 2006, 3194-7.		10
66	Preparation and characterization of lipid vesicles entrapping iron oxide nanoparticles. Asia-Pacific Journal of Chemical Engineering, 2012, 7, S335.	1.5	10
67	A Numerical Study to Compare Stimulations by Intraoperative Microelectrodes and Chronic Macroelectrodes in the DBS Technique. BioMed Research International, 2013, 2013, 1-7.	1.9	10
68	In vitro exposure: Linear and non-linear thermodynamic events in Petri dishes. Bioelectromagnetics, 2015, 36, 527-537.	1.6	10
69	Pulsed Electromagnetic Fields: A Novel Attractive Therapeutic Opportunity for Neuroprotection After Acute Cerebral Ischemia. Neuromodulation, 2022, 25, 1240-1247.	0.8	10
70	Effects of Exogenous Noise in a Silent Neuron Model: Firing Induction and EM Signal Detection. , 2006, 2006, 4183-6.		9
71	Micro vs macro electrode DBS stimulation: A dosimetric study. , 2010, 2010, 2057-60.		9
72	Signal transduction on enzymes: the Effect of electromagnetic field stimuli on superoxide dismutase (SOD). , 2012, 2012, 5674-7.		9

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73	Electroporation mechanism: Review of molecular models based on computer simulation. , 2012, , .		9
74	Restoring the encoding properties of a stochastic neuron model by an exogenous noise. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 42.	2.1	9
75	Electric-driven membrane poration: A rationale for water role in the kinetics of pore formation. <i>Bioelectrochemistry</i> , 2022, 143, 107987.	4.6	9
76	Indoor Telemedicine in Hospital: a PDA-based Flexible Solution for Wireless Monitoring and Database Integration.. , 2005, 2006, 386-9.		8
77	A microwave microdosimetric study on blood cells: Estimation of cell membrane permittivity and parametric EM analysis. , 2009, , .		8
78	Automatic decoding of input sinusoidal signal in a neuron model: Improved SNR spectrum by low-pass homomorphic filtering. <i>Neurocomputing</i> , 2017, 267, 605-614.	5.9	8
79	Geometrical Characterization of an Electropore from Water Positional Fluctuations. <i>Journal of Membrane Biology</i> , 2017, 250, 11-19.	2.1	8
80	Patient Semi-specific Computational Modeling of Electromagnetic Stimulation Applied to Neuroprotective Treatments in Acute Ischemic Stroke. <i>Scientific Reports</i> , 2020, 10, 2945.	3.3	8
81	The Impact of Bilayer Rigidity on the Release from Magnetoliposomes Vesicles Controlled by PEMFs. <i>Pharmaceutics</i> , 2021, 13, 1712.	4.5	8
82	Myoglobin as a Case Study for Molecular Simulations in the Presence of a Microwave Electromagnetic Field. , 2006, , .		7
83	Effects of an Exogenous Noise on a Realistic Network Model: Encoding of an EM Signal. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 2404-7.	0.5	7
84	Microstrip-based nanosecond pulse generators: Numerical and circuital modeling. , 2010, , .		7
85	Revealing Spectrum Features of Stochastic Neuron Spike Trains. <i>Mathematics</i> , 2020, 8, 1011.	2.2	7
86	Portable System for Practical Permittivity Measurements Improved by Homomorphic Deconvolution. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 514-521.	4.7	6
87	A computational design of a versatile microchamber for in vitro nanosecond pulsed electric fields experiments. <i>The Integration VLSI Journal</i> , 2017, 58, 446-453.	2.1	6
88	Feasibility of Drug Delivery Mediated by Ultra-Short and Intense Pulsed Electric Fields. , 2019, 2019, 1678-1681.		6
89	Numerical Investigations of CW Electric Fields on Lipid Vesicles for Controlled Drug Delivery. , 2019, , .		6
90	A Microdosimetric Realistic Model to Study Frequency-Dependent Electroporation in a Cell with Endoplasmic Reticulum. , 2019, , .		6

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91	Theoretical evaluation of GSM/UMTS electromagnetic fields on neuronal network response. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 3029-3035.	4.6	5
92	Enhancement of EM Signal Detectability in a Realistic Model of Feedforward Neuronal Network. , 2007, , .		5
93	Channel noise enhances signal detectability in a model of acoustic neuron through the stochastic resonance paradigm. , 2009, 2009, 1525-8.		5
94	Technology and design of innovative flexible electrode for biomedical applications. , 2011, , .		5
95	Smart flexible planar electrodes for electrochemotherapy and biosensing. , 2013, , .		5
96	Single Cell Microdosimetric Studies Comparing Ideal and Measured Nanosecond Pulsed Electric Fields. , 2013, , .		5
97	The CNP signal is able to silence a supra threshold neuronal model. Frontiers in Computational Neuroscience, 2015, 9, 44.	2.1	5
98	Time resolved dosimetry of human brain exposed to low frequency pulsed magnetic fields. Physics in Medicine and Biology, 2016, 61, 4452-4465.	3.0	5
99	Experimental and numerical characterization of a grounded coplanar waveguide for nanoelectroporation applied to liposomes. International Journal of Microwave and Wireless Technologies, 2021, 13, 663-672.	1.9	5
100	A Miniaturized Ultra-Focal Magnetic Stimulator and Its Preliminary Application to the Peripheral Nervous System. , 2021, , 167-176.		5
101	A three-dimensional electromagnetic model for the DBS application. , 2009, , .		4
102	Design and Characterization of a Wi-Fi Loop Antenna Suitable for in Vivo Experiments. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 896-899.	4.0	4
103	Effects of nanosecond pulsed electric fields on the activity of a Hodgkin and Huxley neuron model. , 2012, 2012, 2567-70.		4
104	A TEM cell system for in vivo exposure at 2.45 GHz. , 2012, , .		4
105	Culture Medium Geometry: The Dominant Factor Affecting In Vitro RF Exposure Dosimetry. International Journal of Antennas and Propagation, 2015, 2015, 1-10.	1.2	4
106	A statistical analytical model for hydrophilic electropore characterization: a comparison study. RSC Advances, 2017, 7, 31997-32007.	3.6	4
107	Magnetic molecular dynamics simulations with Velocity Verlet algorithm. , 2017, , .		4
108	Experimental Characterization of a Figure of Eight Coil for Transcranial Magnetic Stimulation. , 2018, , .		4

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109	Ultra-focal Magnetic Stimulation Using a $\hat{\mu}$ TMS coil: a Computational Study. , 2019, 2019, 3987-3990.		4
110	Influence of Anatomical Model and Skin Conductivity on the Electric Field Induced in the Head by Transcranial Magnetic Stimulation. , 2019, 2019, 2917-2920.		4
111	A Coplanar Waveguide System for Drug Delivery Mediated by Nanoelectroporation: an Experimental and Numerical Study. , 2021, , .		4
112	Local Dosimetry at Cellular and Subcellular Level in HF and Millimeter-Wave Bands. IEEE Journal of Microwaves, 2021, , 1-12.	6.5	4
113	Numerical Evaluation of Human Body Near Field Exposure to a Vehicular Antenna for Military Applications. Frontiers in Public Health, 2021, 9, 794564.	2.7	4
114	Systematic numerical assessment of occupational exposure to electromagnetic fields of transcranial magnetic stimulation. Medical Physics, 2022, 49, 3416-3431.	3.0	4
115	Molecular simulations of biochemical processes in presence of a MW signal. , 2008, , .		3
116	Effects of pulsed magnetic field on neurons: Cnp signal silences a feed-forward network model. , 2013, , .		3
117	A microTMS system for peripheral nerve stimulation. Brain Stimulation, 2019, 12, 521.	1.6	3
118	A microdosimetric study at the cellular and intracellular level using a 3D realistic cell model. , 2022, , .		3
119	Microdosimetry applied to nanosecond pulsed electric fields: A comparison on a single cell between real and ideal waveforms. , 2011, 2011, 302-5.		2
120	Characterization of a train compartment scenario for the individual exposure assessment. , 2011, , .		2
121	Coplanar waveguide with defected ground structure for nanosecond subcellular electroporation. , 2011, , .		2
122	Coplanar waveguide with defected ground structure for nanosecond subcellular electroporation. , 2011, , .		2
123	Proving lightning role in the evolution of life. Physics of Life Reviews, 2013, 10, 380-381.	2.8	2
124	Effect of the meniscus at the solid-liquid interface on the microwave exposure of biological samples. , 2014, , .		2
125	Cell detection and discrimination by a microfluidic-integrated broadband microchamber. , 2014, , .		2
126	A microdosimetry study for a realistic shaped nucleus. , 2016, 2016, 4189-4192.		2

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127	RF induced energy for partially implanted catheters: A computational study. , 2016, 2016, 1256-1259.		2
128	Microdosimetry for pulsed E fields in a realistic models of cells and endoplasmic reticulum. , 2017, , .		2
129	Monopole patch antenna for in vivo exposure to nanosecond pulsed electric fields. Medical and Biological Engineering and Computing, 2017, 55, 1073-1083.	2.8	2
130	Shared Knowledge, Gaps and Challenges of Microdosimetry: Realistic Models of Cells and Endoplasmic Reticulum. , 2018, , .		2
131	Microdosimetric Realistic Model of a Cell with Endoplasmic Reticulum. , 2019, 2019, 134-137.		2
132	Modeling and Analysis for Ultra-wideband Single-Cell Sensing by a Coplanar Waveguide. , 2019, , .		2
133	A Versatile Magnetic Exposure System for In-Vitro, Ex-Vivo, and In-Vivo Experiments Finalized to Therapeutic Applications in the IF Range. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 9-16.	3.4	2
134	Electroporation Mechanisms: The Role of Lipid Orientation in the Kinetics of Pore Formation. , 2020, 2020, 2235-2238.		2
135	Computational Estimate of the Induced Electric Field along Neuronal Fibers in TMS Applications. , 2021, , .		2
136	Wireless Power Transfer for Wearable and Implantable Devices: a Review Focusing on the WPT4WID Research Project of National Relevance. , 2021, , .		2
137	Dosimetric assessment of clinical staff exposed to magnetic field produced by a transcranial magnetic stimulation circular coil. , 2021, , .		2
138	Real Time Radio Frequency Exposure for Bio-Physical Data Acquisition. , 0, , .		2
139	Theoretical evaluation of UMTS/GSM electromagnetic fields on neuronal network response. , 0, , .		1
140	A coplanar waveguide system for cells exposure during electrophysiological recordings. , 0, , .		1
141	Modeling Biological Noise in Firing and Bursting Neurons in the Presence of an Electromagnetic Field. , 0, , .		1
142	The role of molecular computational methods in bioelectromagnetic research. , 2007, , .		1
143	Nanosecond pulsed electric field (nsPEF): A microdosimetry study at single cell level. , 2009, , .		1
144	A Wire Patch Cell for “in vitro” exposure at the Wi-Fi frequencies. , 2010, , .		1

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145	Customized systems for complex permittivity measurements on liquid samples at microwave frequencies: A comparative analysis. , 2012, , .		1
146	A dosimetric study comparing intra-operative microelectrode and chronic macroelectrode in the DBS technique. , 2013, , .		1
147	Molecular dynamics simulations of EM fields acting on SOD enzyme. , 2014, , .		1
148	Scenarios Approach to the Electromagnetic Exposure: The Case Study of a Train Compartment. BioMed Research International, 2015, 2015, 1-10.	1.9	1
149	Evaluation of Protein Electrostatic Potential from Molecular Dynamics Simulations in the Presence of Exogenous Electric Fields: The Case Study of Myoglobin. , 2015, , 255-270.		1
150	A numerical design of versatile microchambers for nsPEFs experiments. , 2016, , .		1
151	Microchambers for cell exposure: From the design to applications. , 2016, 2016, 4232-4235.		1
152	Lipid Electropore Geometry in Molecular Models. , 2017, , 155-170.		1
153	Versatile exposure system for laboratory experiments finalized to therapeutic applications in the IF range. , 2017, , .		1
154	Numerical estimation of a 10 nanosecond pulse effects on non-uniformly distributed liposomes. , 2017, , .		1
155	Characterization of a portable and low cost system for practical dielectric spectroscopy. , 2018, , .		1
156	Stimulation Strategies for Tinnitus Suppression in a Neuron Model. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-9.	1.3	1
157	Advances in Modeling Dielectric Response of Biological Structures at Microscopic Level. , 2019, , .		1
158	Numerical evaluation of the induced electric field in techniques of transcranial brain stimulation: influence of the anatomic model and skin conductivity. Brain Stimulation, 2019, 12, 493.	1.6	1
159	Patient Semi-Specific Computational Modeling of Electromagnetic Stimulation. Brain Stimulation, 2019, 12, 455.	1.6	1
160	Computational optimization of transcranial focused ultrasound stimulation: Toward noninvasive, selective stimulation of deep brain structures. Applied Physics Letters, 2021, 118, 233702.	3.3	1
161	3D microdosimetric model to plan and control in vitro drug delivery mediated by nsPEFs with GCPW system. , 2021, , .		1
162	Miniaturized coils for noninvasive magnetic stimulation: a numerical comparison in terms of focality and penetration depth. , 2021, , .		1

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163	An Over-Moded TEM Cell System for <i>in vivo</i> Exposure at 2.45 GHz. Journal of Electromagnetic Analysis and Applications, 2012, 04, 345-352.	0.2	1
164	Planning Sine Waves Electroporation on Liposomes for Drug Delivery Application. , 2020, , .		1
165	A Zeeman-Stark/Markov model approach to study the EM-RF exposure of a potassium channel. , 0, , .		0
166	Frequency spectrum investigations on detection of radiofrequency electromagnetic fields by biological cells. , 0, , .		0
167	A possible mechanism explaining variation in membrane permeability under exposure to weak magnetic fields. , 2004, 2004, 837-40.		0
168	A set up for nanosecond pulsed electric field investigations on biological cells. , 2010, , .		0
169	Numerical evaluation of the electric field induced in a cubic phantom by different antennas at 2.45 GHz. , 2011, , .		0
170	The role of water near charged interfaces: Molecular dynamics simulations of biological macromolecules in presence of high intense electric fields. , 2011, , .		0
171	Microdosimetry for ultrashort electric pulses: A literature review. , 2012, , .		0
172	Nanopore test circuit for single-strand DNA sequencing. , 2012, , .		0
173	Molecular dynamics simulations of a single DNA strand under the action of a continuous wave electric field. , 2014, , .		0
174	Reproducible sensing of individual biological cells by broadband microwave signals. , 2014, , .		0
175	Electromagnetic exposure systems for real time CARS imaging. , 2017, , .		0
176	Microchambers and devices for cells exposure: From the design to applications. , 2017, , .		0
177	Diversity of monopolar and bipolar nanosecond pulsed electric signals on the metallo-enzyme superoxide dismutase (SOD), a modelling approach. , 2017, , .		0
178	An in vivo exposure-system for wide-band electric pulses. , 2018, , .		0
179	Magnetic Molecular Dynamics Simulations of A2A Receptor in Solution. , 2018, , .		0
180	Molecular Dynamics Simulation Study of Intense Electric Field Effect on Tubulin. , 2018, , .		0

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181	Cells and electropulsion microchambers modeling for linear and nonlinear optical microspectroscopy. , 2018, , .		0
182	Extremely low frequency magnetic fields as neuroprotective treatment in acute ischemic stroke. Brain Stimulation, 2019, 12, 413.	1.6	0
183	Galvanotactic Phenomenon Induced by Non-Contact Electrostatic Field: Investigation in a Scratch Assay*. , 2020, 2020, 2520-2523.		0
184	A new wire patch cell for the exposure of cell cultures to electromagnetic fields at 2.45 GHz: Design and numerical characterization. , 2009, , .		0
185	Lipid Electropore Geometry in Molecular Models. , 2016, , 1-16.		0
186	The Frequency Dependent Response of Sinewave Electroporation. , 2020, , .		0
187	Response of Hydrated Lipid Bilayers to RF EM Fields: Molecular Dynamics Investigations. , 2021, , .		0
188	Title is missing!. , 2019, 14, e0221685.		0
189	Title is missing!. , 2019, 14, e0221685.		0
190	Title is missing!. , 2019, 14, e0221685.		0
191	Title is missing!. , 2019, 14, e0221685.		0
192	Controlled Drug Delivery Mediated by CW Electric fields: Experimental Setup and 3D Microdosimetry Modelling. , 2022, , .		0
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