

# Rita Massa

## List of Publications by Year in descending order

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45  
papers

1,122  
citations

430874

18  
h-index

395702

33  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1061  
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-thermal effects of microwaves on proteins: thermophilic enzymes as model system. <i>FEBS Letters</i> , 1997, 402, 102-106.	2.8	178
2	Electromagnetic fields at mobile phone frequency induce apoptosis and inactivation of the multi-chaperone complex in human epidermoid cancer cells. <i>Journal of Cellular Physiology</i> , 2005, 204, 539-548.	4.1	95
3	Cytogenetic damage in human lymphocytes following GMSK phase modulated microwave exposure. <i>Bioelectromagnetics</i> , 2002, 23, 7-13.	1.6	92
4	ON QUANTITATIVE MICROWAVE TOMOGRAPHY OF FEMALE BREAST. <i>Progress in Electromagnetics Research</i> , 2009, 97, 75-93.	4.4	89
5	Dielectric characterization study of liquid-based materials for mimicking breast tissues. <i>Microwave and Optical Technology Letters</i> , 2011, 53, 1276-1280.	1.4	61
6	Non-thermal effects of electromagnetic fields at mobile phone frequency on the refolding of an intracellular protein: Myoglobin. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 188-196.	2.6	48
7	Formation of Reactive Oxygen Species in L929 Cells after Exposure to 900 MHz RF Radiation with and without Co-exposure to 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone. <i>Radiation Research</i> , 2007, 167, 306-311.	1.5	44
8	Induction of an adaptive response in human blood lymphocytes exposed to radiofrequency fields: Influence of the universal mobile telecommunication system (UMTS) signal and the specific absorption rate. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 747, 29-35.	1.7	41
9	Adaptive response in human blood lymphocytes exposed to non-ionizing radiofrequency fields: resistance to ionizing radiation-induced damage. <i>Journal of Radiation Research</i> , 2014, 55, 210-217.	1.6	41
10	A high-efficiency waveguide applicator for in vitro exposure of mammalian cells at 1.95 GHz. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2006, 54, 2256-2264.	4.6	30
11	Are the conformational dynamics and the ligand binding properties of myoglobin affected by exposure to microwave radiation?. <i>European Biophysics Journal</i> , 2003, 32, 628-634.	2.2	27
12	The response of giant phospholipid vesicles to millimeter waves radiation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1497-1507.	2.6	26
13	Different effects of microwave energy and conventional heat on the activity of a thermophilic $\beta$ -D-galactosidase from <i>Bacillus acidocaldarius</i> . <i>Bioelectromagnetics</i> , 1999, 20, 172-176.	1.6	23
14	Radiofrequency radiation at 1950 MHz (UMTS) does not affect key cellular endpoints in neuron-like PC12 cells. <i>Bioelectromagnetics</i> , 2012, 33, 497-507.	1.6	23
15	Evaluation of Cytotoxic and Genotoxic Effects in Human Peripheral Blood Leukocytes Following Exposure to 1950-MHz Modulated Signal. <i>IEEE Transactions on Plasma Science</i> , 2006, 34, 1441-1448.	1.3	22
16	Adverse and beneficial effects in Chinese hamster lung fibroblast cells following radiofrequency exposure. <i>Bioelectromagnetics</i> , 2017, 38, 245-254.	1.6	22
17	Reactive oxygen species formation is not enhanced by exposure to UMTS 1950 MHz radiation and co-exposure to ferrous ions in Jurkat cells. <i>Bioelectromagnetics</i> , 2009, 30, 525-535.	1.6	21
18	Lack of effects on key cellular parameters of MRC-5 human lung fibroblasts exposed to 370 mT static magnetic field. <i>Scientific Reports</i> , 2016, 6, 19398.	3.3	21

#	ARTICLE	IF	CITATIONS
19	Microwave treatment for pest control: the case of <i>Rhynchophorus ferrugineus</i> in <i>Phoenix canariensis</i> . EPPO Bulletin, 2011, 41, 128-135.	0.8	19
20	Experimental and numerical evaluations on palm microwave heating for Red Palm Weevil pest control. Scientific Reports, 2017, 7, 45299.	3.3	19
21	Microwave induced shift of the main phase transition in phosphatidylcholine membranes. Bioelectrochemistry, 2012, 84, 18-24.	4.6	16
22	A Waveguide Applicator for In Vitro Exposures to Single or Multiple ICT Frequencies. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1994-2004.	4.6	15
23	Effect of millimetre waves on phosphatidylcholine membrane models: a non-thermal mechanism of interaction. Soft Matter, 2014, 10, 5559-5567.	2.7	15
24	Wide Band Permittivity Measurements of Palm (Phoenix Canariensis) and <i>Rhynchophorus ferrugineus</i> (Coleoptera Curculionidae) for RF Pest Control. Journal of Microwave Power and Electromagnetic Energy, 2014, 48, 158-169.	0.8	15
25	Chromosomal Aberrations in Bovine Lymphocytes Exposed to 50-Hz Electric Currents. Journal of Bioelectricity, 1988, 7, 239-245.	0.7	14
26	SAR and efficiency evaluation of a 900 MHz waveguide chamber for cell exposure. Bioelectromagnetics, 2008, 29, 429-438.	1.6	13
27	Exposure Assessment and Biomonitoring of Workers in Magnetic Resonance Environment: An Exploratory Study. Frontiers in Public Health, 2017, 5, 344.	2.7	13
28	Microwave Radiation Effect On The Synthesis Of Cadmium Sulphide Nanoparticles In Water In Oil Microemulsion: A Preliminary Study At Different Frequencies. Materials Research Innovations, 2004, 8, 44-47.	2.3	11
29	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.	2.8	11
30	Permeability Changes of Cationic Liposomes Loaded with Carbonic Anhydrase Induced by Millimeter Waves Radiation. Radiation Research, 2012, 178, 437-446.	1.5	10
31	Effects of Radiofrequency Exposure and Co-Exposure on Human Lymphocytes: The Influence of Signal Modulation and Bandwidth. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 17-23.	3.4	10
32	Microwave Devices for Ice Detection on Aircraft. Journal of Microwave Power and Electromagnetic Energy, 1996, 31, 83-86.	0.8	7
33	Improved Design of Waveguide Slot Array Applicators For Microwave Heating. Materials Research Innovations, 2004, 8, 71-74.	2.3	6
34	Induced movements of giant vesicles by millimeter wave radiation. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 1710-1718.	2.6	6
35	New experimental technique for detecting the effect of low-frequency electric fields on enzyme structure. Bioelectromagnetics, 1990, 11, 57-70.	1.6	4
36	A Novel Radiation Exposure Control Apparatus For Microwave Assisted Chemical Reactions. Materials Research Innovations, 2004, 8, 48-52.	2.3	4

#	ARTICLE	IF	CITATIONS
37	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 patientsâ€™ body. BioMedical Engineering OnLine, 2013, 12, 80.	2.7	3
38	Experimental results on the effectiveness of microwave treatment of phoenix canariensis palm infested by Rhynchophorus ferrugineus. , 2015, , .		2
39	Influence of Microwave Exposure on the Development of Phaseolus vulgaris L. Plants. , 2015, , .		2
40	Experimental set-up for dynamic evaluation of optical parameters of liquid samples exposed to microwave radiation. Electronics Letters, 1988, 24, 390.	1.0	1
41	A new non-disturbing and wideband optical microsensor of electromagnetic fields. Sensors and Actuators A: Physical, 2000, 85, 106-110.	4.1	1
42	Design and construction of a tissue-mimicking phantom to validate electrical properties mapping techniques based on magnetic resonance. , 2015, , .		1
43	Direct near-field antenna testing and fault diagnosis by a silicon-probe-based optical sensing technique. Microwave and Optical Technology Letters, 2003, 38, 95-98.	1.4	0
44	Induced electric fields and currents in the body by movements in a MRI facility: A numerical analysis. , 2015, , .		0
45	High power microwave applications of Phoenix canariensis palms for red palm weevil pest control. , 2015, , .		0