

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	Occupational exposure to electromagnetic fields in magnetic resonance environment: an update on regulation, exposure assessment techniques, health risk evaluation, and surveillance. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 297-320.	2.8	11
2	Effects of Radiofrequency Exposure and Co-Exposure on Human Lymphocytes: The Influence of Signal Modulation and Bandwidth. <i>IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology</i> , 2020, 4, 17-23.	3.4	10
3	Adverse and beneficial effects in Chinese hamster lung fibroblast cells following radiofrequency exposure. <i>Bioelectromagnetics</i> , 2017, 38, 245-254.	1.6	22
4	Experimental and numerical evaluations on palm microwave heating for Red Palm Weevil pest control. <i>Scientific Reports</i> , 2017, 7, 45299.	3.3	19
5	Exposure Assessment and Biomonitoring of Workers in Magnetic Resonance Environment: An Exploratory Study. <i>Frontiers in Public Health</i> , 2017, 5, 344.	2.7	13
6	Lack of effects on key cellular parameters of MRC-5 human lung fibroblasts exposed to 370µmT static magnetic field. <i>Scientific Reports</i> , 2016, 6, 19398.	3.3	21
7	Design and construction of a tissue-mimicking phantom to validate electrical properties mapping techniques based on magnetic resonance. , 2015, , .		1
8	Induced electric fields and currents in the body by movements in a MRI facility: A numerical analysis. , 2015, , .		0
9	High power microwave applications of Phoenix canariensis palms for red palm weevil pest control. , 2015, , .		0
10	Experimental results on the effectiveness of microwave treatment of phoenix canariensis palm infested by <i>Rhynchophorus ferrugineus</i> . , 2015, , .		2
11	Influence of Microwave Exposure on the Development of <i>Phaseolus vulgaris</i> L. Plants. , 2015, , .		2
12	Induced movements of giant vesicles by millimeter wave radiation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1710-1718.	2.6	6
13	Effect of millimetre waves on phosphatidylcholine membrane models: a non-thermal mechanism of interaction. <i>Soft Matter</i> , 2014, 10, 5559-5567.	2.7	15
14	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
15	Wide Band Permittivity Measurements of Palm (Phoenix Canariensis) and <i>Rhynchophorus ferrugineus</i> (Coleoptera Curculionidae) for RF Pest Control. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2014, 48, 158-169.	0.8	15
16	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.	2.7	3
17	A Waveguide Applicator for In Vitro Exposures to Single or Multiple ICT Frequencies. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013, 61, 1994-2004.	4.6	15
18	Permeability Changes of Cationic Liposomes Loaded with Carbonic Anhydrase Induced by Millimeter Waves Radiation. <i>Radiation Research</i> , 2012, 178, 437-446.	1.5	10

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19	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
20	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
21	Microwave induced shift of the main phase transition in phosphatidylcholine membranes. <i>Bioelectrochemistry</i> , 2012, 84, 18-24.	4.6	16
22	Microwave treatment for pest control: the case of <i>Rhynchophorus ferrugineus</i> in <i>Phoenix canariensis</i> . <i>EPPO Bulletin</i> , 2011, 41, 128-135.	0.8	19
23	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
24	ON QUANTITATIVE MICROWAVE TOMOGRAPHY OF FEMALE BREAST. <i>Progress in Electromagnetics Research</i> , 2009, 97, 75-93.	4.4	89
25	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
26	The response of giant phospholipid vesicles to millimeter waves radiation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1497-1507.	2.6	26
27	SAR and efficiency evaluation of a 900 MHz waveguide chamber for cell exposure. <i>Bioelectromagnetics</i> , 2008, 29, 429-438.	1.6	13
28	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
29	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
30	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
31	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
32	Improved Design of Waveguide Slot Array Applicators For Microwave Heating. <i>Materials Research Innovations</i> , 2004, 8, 71-74.	2.3	6
33	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
34	Microwave Radiation Effect On The Synthesis Of Cadmium Sulphide Nanoparticles In Water In Oil Microemulsion: A Preliminary Study At Different Frequencies. <i>Materials Research Innovations</i> , 2004, 8, 44-47.	2.3	11
35	A Novel Radiation Exposure Control Apparatus For Microwave Assisted Chemical Reactions. <i>Materials Research Innovations</i> , 2004, 8, 48-52.	2.3	4
36	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

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37	Direct near-field antenna testing and fault diagnosis by a silicon-probe-based optical sensing technique. <i>Microwave and Optical Technology Letters</i> , 2003, 38, 95-98.	1.4	0
38	Cytogenetic damage in human lymphocytes following GMSK phase modulated microwave exposure. <i>Bioelectromagnetics</i> , 2002, 23, 7-13.	1.6	92
39	A new non-disturbing and wideband optical microsensor of electromagnetic fields. <i>Sensors and Actuators A: Physical</i> , 2000, 85, 106-110.	4.1	1
40	Different effects of microwave energy and conventional heat on the activity of a thermophilic β -D-galactosidase from <i>Bacillus acidocaldarius</i> . <i>Bioelectromagnetics</i> , 1999, 20, 172-176.	1.6	23
41	Non-thermal effects of microwaves on proteins: thermophilic enzymes as model system. <i>FEBS Letters</i> , 1997, 402, 102-106.	2.8	178
42	Microwave Devices for Ice Detection on Aircraft. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 1996, 31, 83-86.	0.8	7
43	New experimental technique for detecting the effect of low-frequency electric fields on enzyme structure. <i>Bioelectromagnetics</i> , 1990, 11, 57-70.	1.6	4
44	Chromosomal Aberrations in Bovine Lymphocytes Exposed to 50-Hz Electric Currents. <i>Journal of Bioelectricity</i> , 1988, 7, 239-245.	0.7	14
45	Experimental set-up for dynamic evaluation of optical parameters of liquid samples exposed to microwave radiation. <i>Electronics Letters</i> , 1988, 24, 390.	1.0	1