

Stefania Romeo

List of Publications by Year in descending order

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42
all docs

42
docs citations

42
times ranked

1016
citing authors

#	ARTICLE	IF	CITATIONS
1	A Microwave Resonant Sensor for Concentration Measurements of Liquid Solutions. IEEE Sensors Journal, 2013, 13, 1857-1864.	4.7	180
2	Dose-Dependent ATP Depletion and Cancer Cell Death following Calcium Electroporation, Relative Effect of Calcium Concentration and Electric Field Strength. PLoS ONE, 2015, 10, e0122973.	2.5	68
3	Dielectric characterization study of liquid-based materials for mimicking breast tissues. Microwave and Optical Technology Letters, 2011, 53, 1276-1280.	1.4	61
4	Water influx and cell swelling after nanosecond electroporation. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1715-1722.	2.6	59
5	The Role of Pulse Repetition Rate in nsPEF-Induced Electroporation: A Biological and Numerical Investigation. IEEE Transactions on Biomedical Engineering, 2015, 62, 2234-2243.	4.2	44
6	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. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 747, 29-35.	1.7	41
7	Adaptive response in human blood lymphocytes exposed to non-ionizing radiofrequency fields: resistance to ionizing radiation-induced damage. Journal of Radiation Research, 2014, 55, 210-217.	1.6	41
8	Induction of adaptive response in human blood lymphocytes exposed to 900 MHz radiofrequency fields: Influence of cell cycle. International Journal of Radiation Biology, 2011, 87, 993-999.	1.8	39
9	ESOP-Equivalent Pulsing Protocols for Calcium Electroporation: An <i>In Vitro</i> Optimization Study on 2 Cancer Cell Models. Technology in Cancer Research and Treatment, 2018, 17, 153303381878807.	1.9	35
10	A Blumlein-type, nanosecond pulse generator with interchangeable transmission lines for bioelectrical applications. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 1224-1230.	2.9	30
11	Radiofrequency radiation at 1950 MHz (UMTS) does not affect key cellular endpoints in neuron-like PC12 cells. Bioelectromagnetics, 2012, 33, 497-507.	1.6	23
12	Adverse and beneficial effects in Chinese hamster lung fibroblast cells following radiofrequency exposure. Bioelectromagnetics, 2017, 38, 245-254.	1.6	22
13	Lack of effects on key cellular parameters of MRC-5 human lung fibroblasts exposed to 370 mT static magnetic field. Scientific Reports, 2016, 6, 19398.	3.3	21
14	Nanometer-Scale Permeabilization and Osmotic Swelling Induced by 5-ns Pulsed Electric Fields. Journal of Membrane Biology, 2017, 250, 21-30.	2.1	20
15	nsPEF-induced effects on cell membranes: use of electrophysical model to optimize experimental design. IEEE Transactions on Dielectrics and Electrical Insulation, 2013, 20, 1231-1238.	2.9	19
16	Genotoxicity of radiofrequency electromagnetic fields: Protocol for a systematic review of in vitro studies. Environment International, 2021, 148, 106386.	10.0	19
17	Protective effect of 1950 MHz electromagnetic field in human neuroblastoma cells challenged with menadione. Scientific Reports, 2018, 8, 13234.	3.3	18
18	DNA Electrophoretic Migration Patterns Change after Exposure of Jurkat Cells to a Single Intense Nanosecond Electric Pulse. PLoS ONE, 2011, 6, e28419.	2.5	17

#	ARTICLE	IF	CITATIONS
19	Occupational exposure to electromagnetic fields in magnetic resonance environment: basic aspects and review of exposure assessment approaches. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 531-545.	2.8	16
20	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
21	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
22	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
23	Growth inhibition, cell-cycle alteration and apoptosis in stimulated human peripheral blood lymphocytes by multiwalled carbon nanotube buckypaper. <i>Nanomedicine</i> , 2015, 10, 351-360.	3.3	12
24	Modified Blumlein Pulse-Forming Networks for Bioelectrical Applications. <i>Journal of Membrane Biology</i> , 2010, 236, 55-60.	2.1	11
25	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
26	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
27	Radiofrequency Electromagnetic Field Exposure and Apoptosis: A Scoping Review of In Vitro Studies on Mammalian Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2322.	4.1	10
28	Treatment with 3-Aminobenzamide Negates the Radiofrequency-Induced Adaptive Response in Two Cell Models. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 2768.	2.6	9
29	Evidence of bystander effect induced by radiofrequency radiation in a human neuroblastoma cell line. <i>Environmental Research</i> , 2021, 196, 110935.	7.5	8
30	Induced movements of giant vesicles by millimeter wave radiation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1710-1718.	2.6	6
31	ns Pulsed Electric Field-Induced Action Potentials in the Circuital Model of an Axon. <i>IEEE Transactions on Nanobioscience</i> , 2018, 17, 110-116.	3.3	5
32	Electroporation-Induced Cell Modifications Detected with THz Time-Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 854-862.	2.2	3
33	Calcium Electroporation: An Overview of an Innovative Cancer Treatment Approach. , 2019, , .		2
34	Analysis of ionic channel currents under nsPEFs-stimulation by a circuital model of an excitable cell. , 2020, , .		2
35	Pore dynamics induced by nsPEFs: A comparison between experimental and theoretical results. , 2012, , .		1
36	Cell Swelling and Membrane Permeabilization after Nanoelectropulse Exposure. <i>Biophysical Journal</i> , 2012, 102, 190a.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Circuital modelling for electroporation. , 2017, , .		1
38	FEM-based numerical simulation supporting experimentally tested Electrochemotherapy protocols. , 2017, , .		1
39	Induced electric fields and currents in the body by movements in a MRI facility: A numerical analysis. , 2015, , .		0