

# Stefania Romeo

## List of Publications by Year in descending order

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39  
papers

919  
citations

471371

17  
h-index

454834

30  
g-index

42  
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42  
docs citations

42  
times ranked

1016  
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.	1.6	11
2	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.	1.8	10
3	Genotoxicity of radiofrequency electromagnetic fields: Protocol for a systematic review of in vitro studies. <i>Environment International</i> , 2021, 148, 106386.	4.8	19
4	Evidence of bystander effect induced by radiofrequency radiation in a human neuroblastoma cell line. <i>Environmental Research</i> , 2021, 196, 110935.	3.7	8
5	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.	2.3	10
6	Analysis of ionic channel currents under nsPEFs-stimulation by a circuital model of an excitable cell. , 2020, , .		2
7	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.	1.2	9
8	Calcium Electroporation: An Overview of an Innovative Cancer Treatment Approach. , 2019, , .		2
9	Electroporation-Induced Cell Modifications Detected with THz Time-Domain Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 854-862.	1.2	3
10	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.	1.6	16
11	ns Pulsed Electric Field-Induced Action Potentials in the Circuital Model of an Axon. <i>IEEE Transactions on Nanobioscience</i> , 2018, 17, 110-116.	2.2	5
12	Protective effect of 1950 MHz electromagnetic field in human neuroblastoma cells challenged with menadione. <i>Scientific Reports</i> , 2018, 8, 13234.	1.6	18
13	ESOPE-Equivalent Pulsing Protocols for Calcium Electroporation: An <i>In Vitro</i> Optimization Study on 2 Cancer Cell Models. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381878807.	0.8	35
14	Adverse and beneficial effects in Chinese hamster lung fibroblast cells following radiofrequency exposure. <i>Bioelectromagnetics</i> , 2017, 38, 245-254.	0.9	22
15	Circuital modelling for electroporation. , 2017, , .		1
16	FEM-based numerical simulation supporting experimentally tested Electrochemotherapy protocols. , 2017, , .		1
17	Nanometer-Scale Permeabilization and Osmotic Swelling Induced by 5-ns Pulsed Electric Fields. <i>Journal of Membrane Biology</i> , 2017, 250, 21-30.	1.0	20
18	Exposure Assessment and Biomonitoring of Workers in Magnetic Resonance Environment: An Exploratory Study. <i>Frontiers in Public Health</i> , 2017, 5, 344.	1.3	13

#	ARTICLE	IF	CITATIONS
19	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.	1.6	21
20	Induced electric fields and currents in the body by movements in a MRI facility: A numerical analysis. , 2015, , .		0
21	The Role of Pulse Repetition Rate in nsPEF-Induced Electroporation: A Biological and Numerical Investigation. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2234-2243.	2.5	44
22	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.	1.7	12
23	Dose-Dependent ATP Depletion and Cancer Cell Death following Calcium Electroporation, Relative Effect of Calcium Concentration and Electric Field Strength. <i>PLoS ONE</i> , 2015, 10, e0122973.	1.1	68
24	Induced movements of giant vesicles by millimeter wave radiation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1710-1718.	1.4	6
25	Effect of millimetre waves on phosphatidylcholine membrane models: a non-thermal mechanism of interaction. <i>Soft Matter</i> , 2014, 10, 5559-5567.	1.2	15
26	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.	0.8	41
27	A Blumlein-type, nanosecond pulse generator with interchangeable transmission lines for bioelectrical applications. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013, 20, 1224-1230.	1.8	30
28	nsPEF-induced effects on cell membranes: use of electrophysical model to optimize experimental design. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2013, 20, 1231-1238.	1.8	19
29	Water influx and cell swelling after nanosecond electropermeabilization. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1715-1722.	1.4	59
30	A Microwave Resonant Sensor for Concentration Measurements of Liquid Solutions. <i>IEEE Sensors Journal</i> , 2013, 13, 1857-1864.	2.4	180
31	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.	2.9	15
32	Pore dynamics induced by nsPEFs: A comparison between experimental and theoretical results. , 2012, , .		1
33	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.	0.9	41
34	Cell Swelling and Membrane Permeabilization after Nanoelectropulse Exposure. <i>Biophysical Journal</i> , 2012, 102, 190a.	0.2	1
35	Radiofrequency radiation at 1950MHz (UMTS) does not affect key cellular endpoints in neuron-like PC12 cells. <i>Bioelectromagnetics</i> , 2012, 33, 497-507.	0.9	23
36	Induction of adaptive response in human blood lymphocytes exposed to 900 MHz radiofrequency fields: Influence of cell cycle. <i>International Journal of Radiation Biology</i> , 2011, 87, 993-999.	1.0	39

#	ARTICLE	IF	CITATIONS
37	Dielectric characterization study of liquid-based materials for mimicking breast tissues. Microwave and Optical Technology Letters, 2011, 53, 1276-1280.	0.9	61
38	DNA Electrophoretic Migration Patterns Change after Exposure of Jurkat Cells to a Single Intense Nanosecond Electric Pulse. PLoS ONE, 2011, 6, e28419.	1.1	17
39	Modified Blumlein Pulse-Forming Networks for Bioelectrical Applications. Journal of Membrane Biology, 2010, 236, 55-60.	1.0	11