

# Olga Zeni

## List of Publications by Year in descending order

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58  
papers

1,426  
citations

304743

22  
h-index

361022

35  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1343  
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	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
3	Genotoxicity of radiofrequency electromagnetic fields: Protocol for a systematic review of in vitro studies. <i>Environment International</i> , 2021, 148, 106386.	10.0	19
4	Evidence of bystander effect induced by radiofrequency radiation in a human neuroblastoma cell line. <i>Environmental Research</i> , 2021, 196, 110935.	7.5	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.	3.4	10
6	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
7	Calcium Electroporation: An Overview of an Innovative Cancer Treatment Approach. , 2019, , .		2
8	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
9	Is there a Biological Basis for Therapeutic Applications of Millimetre Waves and THz Waves?. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 863-878.	2.2	24
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.	2.8	16
11	Guest Editorial: Special Issue on THz Radiation Applied to Biophysical, Biological, and Biomedical Sciences. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 797-798.	2.2	4
12	Editorial: Effects of Combined EMF Exposures and Co-exposures. <i>Frontiers in Public Health</i> , 2018, 6, 230.	2.7	1
13	Protective effect of 1950 MHz electromagnetic field in human neuroblastoma cells challenged with menadione. <i>Scientific Reports</i> , 2018, 8, 13234.	3.3	18
14	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.	1.9	35
15	Adverse and beneficial effects in Chinese hamster lung fibroblast cells following radiofrequency exposure. <i>Bioelectromagnetics</i> , 2017, 38, 245-254.	1.6	22
16	FEM-based numerical simulation supporting experimentally tested Electrochemotherapy protocols. , 2017, , .		1
17	Cellular Response to ELF-MF and Heat: Evidence for a Common Involvement of Heat Shock Proteins?. <i>Frontiers in Public Health</i> , 2017, 5, 280.	2.7	17
18	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

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19	Quality Matters: Systematic Analysis of Endpoints Related to "Cellular Life" in Vitro Data of Radiofrequency Electromagnetic Field Exposure. International Journal of Environmental Research and Public Health, 2016, 13, 701.	2.6	31
20	Lack of effects on key cellular parameters of MRC-5 human lung fibroblasts exposed to 370µmT static magnetic field. Scientific Reports, 2016, 6, 19398.	3.3	21
21	Induced electric fields and currents in the body by movements in a MRI facility: A numerical analysis. , 2015, , .		0
22	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
23	Growth inhibition, cell-cycle alteration and apoptosis in stimulated human peripheral blood lymphocytes by multiwalled carbon nanotube buckypaper. Nanomedicine, 2015, 10, 351-360.	3.3	12
24	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
25	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
26	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
27	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
28	Pore dynamics induced by nsPEFs: A comparison between experimental and theoretical results. , 2012, , .		1
29	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
30	Radiofrequency radiation at 1950µMHz (UMTS) does not affect key cellular endpoints in neuron-like PC12 cells. Bioelectromagnetics, 2012, 33, 497-507.	1.6	23
31	Automated segmentation of comet assay images using Gaussian filtering and fuzzy clustering. Medical and Biological Engineering and Computing, 2012, 50, 523-532.	2.8	13
32	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
33	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
34	DNA Damage by Carbon Nanotubes Using the Single Cell Gel Electrophoresis Technique. Methods in Molecular Biology, 2010, 625, 109-119.	0.9	11
35	Human Fibroblasts and 900 MHz Radiofrequency Radiation: Evaluation of DNA Damage after Exposure and Co-exposure to 3-Chloro-4-(dichloromethyl)-5-Hydroxy-2(5h)-furanone (MX). Radiation Research, 2009, 171, 743-751.	1.5	19
36	Evaluation of genotoxic effects in human leukocytes after in vitro exposure to 1950 MHz UMTS radiofrequency field. Bioelectromagnetics, 2008, 29, 177-184.	1.6	42

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37	Cytotoxicity Investigation on Cultured Human Blood Cells Treated with Single-Wall Carbon Nanotubes. <i>Sensors</i> , 2008, 8, 488-499.	3.8	48
38	CYTOGENETIC OBSERVATIONS IN HUMAN PERIPHERAL BLOOD LEUKOCYTES FOLLOWING IN VITRO EXPOSURE TO THz RADIATION: A PILOT STUDY. <i>Health Physics</i> , 2007, 92, 349-357.	0.5	50
39	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
40	Evaluation of genotoxic effects in human peripheral blood leukocytes following an acute in vitro exposure to 900 MHz radiofrequency fields. <i>Bioelectromagnetics</i> , 2005, 26, 258-265.	1.6	53
41	THz radiation studies on biological systems at the ENEA FEL facility. <i>Infrared Physics and Technology</i> , 2004, 45, 339-347.	2.9	35
42	Induction of oxidative stress in murine cell lines by 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone (MX). <i>Toxicology Letters</i> , 2004, 147, 79-85.	0.8	11
43	THz Exposure of Whole Blood for the Study of Biological Effects on Human Lymphocytes. <i>Journal of Biological Physics</i> , 2003, 29, 171-176.	1.5	75
44	Cytogenetic damage in human lymphocytes following GMSK phase modulated microwave exposure. <i>Bioelectromagnetics</i> , 2002, 23, 7-13.	1.6	92
45	Radiological workers sensitivity to 50ÂHz pulsed magnetic fields: preliminary results. <i>Radiation and Environmental Biophysics</i> , 2002, 41, 275-279.	1.4	9
46	COMBINED EXPOSURE TO EXTREMELY LOW FREQUENCY (ELF) MAGNETIC FIELDS AND CHEMICAL MUTAGENS: LACK OF GENOTOXIC EFFECTS IN HUMAN LYMPHOCYTES. <i>Electromagnetic Biology and Medicine</i> , 2001, 20, 331-341.	0.4	0
47	MICRONUCLEUS FREQUENCY AND CELL PROLIFERATION IN HUMAN LYMPHOCYTES EXPOSED TO 50 Hz SINUSOIDAL MAGNETIC FIELDS. <i>Health Physics</i> , 1999, 76, 244-250.	0.5	36
48	Influence of a 50 Hz Sinusoidal Magnetic Field on Sea Urchin Embryogenesis. , 1999, , 545-547.		2
49	Genotoxicity and oxidative stress induced by pesticide exposure in bovine lymphocyte cultures in vitro. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998, 403, 13-20.	1.0	69
50	Cytogenetic damage and induction of pro-oxidant state in human lymphocytes exposed in vitro to glyphosate, vinclozolin, atrazine, and DPX-E9636. , 1998, 32, 39-46.		61
51	Cytogenetic effects induced by extremely low frequency pulsed magnetic fields in lymphocytes from Turner's syndrome subjects. <i>Bioelectrochemistry</i> , 1997, 43, 221-226.	1.0	15
52	Exposure to 100 Hz pulsed magnetic fields increases micronucleus frequency and cell proliferation in human lymphocytes. <i>Bioelectrochemistry</i> , 1997, 43, 77-81.	1.0	19
53	Spontaneous and mitomycin-C-induced micronuclei in lymphocytes from subjects affected by Turner's syndrome. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 357, 183-190.	1.0	7
54	Genotoxic Effects of Amplitude-Modulated Microwaves on Human Lymphocytes Exposed in Vitro under Controlled Conditions. <i>Electromagnetic Biology and Medicine</i> , 1995, 14, 157-164.	0.4	32

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55	Lack of chromosomal aberration and micronucleus induction in human lymphocytes exposed to pulsed magnetic fields. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 306, 129-133.	1.0	38
56	Measurement of micronuclei by cytokinesis-block method in bovine lymphocytes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1993, 289, 291-295.	1.0	6
57	Genomic Instability and Aging.. Annals of the New York Academy of Sciences, 1992, 663, 4-16.	3.8	71
58	Experimental Requirements for in vitro Studies Aimed to Evaluate the Biological Effects of Radiofrequency Radiation. , 0, , .		6