

Olga Zeni

List of Publications by Year in descending order

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Version: 2024-02-01

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	Cytogenetic damage in human lymphocytes following GMSK phase modulated microwave exposure. <i>Bioelectromagnetics</i> , 2002, 23, 7-13.	1.6	92
2	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
3	Genomic Instability and Aging.. <i>Annals of the New York Academy of Sciences</i> , 1992, 663, 4-16.	3.8	71
4	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
5	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
6	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
7	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
8	Cytotoxicity Investigation on Cultured Human Blood Cells Treated with Single-Wall Carbon Nanotubes. <i>Sensors</i> , 2008, 8, 488-499.	3.8	48
9	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
10	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.	4.2	44
11	Evaluation of genotoxic effects in human leukocytes after in vitro exposure to 1950 MHz UMTS radiofrequency field. <i>Bioelectromagnetics</i> , 2008, 29, 177-184.	1.6	42
12	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
13	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
14	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.	1.8	39
15	Lack of chromosomal aberration and micronucleus induction in human lymphocytes exposed to pulsed magnetic fields. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1994, 306, 129-133.	1.0	38
16	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
17	THz radiation studies on biological systems at the ENEA FEL facility. <i>Infrared Physics and Technology</i> , 2004, 45, 339-347.	2.9	35
18	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

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19	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
20	Quality Matters: Systematic Analysis of Endpoints Related to "Cellular Life" in Vitro Data of Radiofrequency Electromagnetic Field Exposure. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 701.	2.6	31
21	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.	2.9	30
22	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
23	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
24	Adverse and beneficial effects in Chinese hamster lung fibroblast cells following radiofrequency exposure. <i>Bioelectromagnetics</i> , 2017, 38, 245-254.	1.6	22
25	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
26	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
27	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). <i>Radiation Research</i> , 2009, 171, 743-751.	1.5	19
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.	2.9	19
29	Genotoxicity of radiofrequency electromagnetic fields: Protocol for a systematic review of in vitro studies. <i>Environment International</i> , 2021, 148, 106386.	10.0	19
30	Protective effect of 1950 MHz electromagnetic field in human neuroblastoma cells challenged with menadione. <i>Scientific Reports</i> , 2018, 8, 13234.	3.3	18
31	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
32	DNA Electrophoretic Migration Patterns Change after Exposure of Jurkat Cells to a Single Intense Nanosecond Electric Pulse. <i>PLoS ONE</i> , 2011, 6, e28419.	2.5	17
33	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
34	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
35	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
36	Automated segmentation of comet assay images using Gaussian filtering and fuzzy clustering. <i>Medical and Biological Engineering and Computing</i> , 2012, 50, 523-532.	2.8	13

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37	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
38	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
39	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
40	DNA Damage by Carbon Nanotubes Using the Single Cell Gel Electrophoresis Technique. <i>Methods in Molecular Biology</i> , 2010, 625, 109-119.	0.9	11
41	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
42	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
43	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
44	Radiological workers sensitivity to 50ÅHz pulsed magnetic fields: preliminary results. <i>Radiation and Environmental Biophysics</i> , 2002, 41, 275-279.	1.4	9
45	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
46	Evidence of bystander effect induced by radiofrequency radiation in a human neuroblastoma cell line. <i>Environmental Research</i> , 2021, 196, 110935.	7.5	8
47	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
48	Measurement of micronuclei by cytokinesis-block method in bovine lymphocytes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1993, 289, 291-295.	1.0	6
49	Experimental Requirements for in vitro Studies Aimed to Evaluate the Biological Effects of Radiofrequency Radiation. , 0, , .		6
50	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
51	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
52	Calcium Electroporation: An Overview of an Innovative Cancer Treatment Approach. , 2019, , .		2
53	Influence of a 50 Hz Sinusoidal Magnetic Field on Sea Urchin Embryogenesis. , 1999, , 545-547.		2
54	Pore dynamics induced by nsPEFs: A comparison between experimental and theoretical results. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
55	FEM-based numerical simulation supporting experimentally tested Electrochemotherapy protocols. , 2017, , .		1
56	Editorial: Effects of Combined EMF Exposures and Co-exposures. Frontiers in Public Health, 2018, 6, 230.	2.7	1
57	COMBINED EXPOSURE TO EXTREMELY LOW FREQUENCY (ELF) MAGNETIC FIELDS AND CHEMICAL MUTAGENS: LACK OF GENOTOXIC EFFECTS IN HUMAN LYMPHOCYTES. Electromagnetic Biology and Medicine, 2001, 20, 331-341.	0.4	0
58	Induced electric fields and currents in the body by movements in a MRI facility: A numerical analysis. , 2015, , .		0