

Friedo ZÄglzer

List of Publications by Year in descending order

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63
papers

994
citations

471509

17
h-index

454955

30
g-index

64
all docs

64
docs citations

64
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	Arginine deiminase inhibits proliferation of human leukemia cells more potently than asparaginase by inducing cell cycle arrest and apoptosis. <i>Leukemia</i> , 2000, 14, 826-829.	7.2	122
2	Heterogeneity in 2-deoxy-D-glucose-induced modifications in energetics and radiation responses of human tumor cell lines. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 50, 1051-1061.	0.8	80
3	Increased radiosensitivity with chronic hypoxia in four human tumor cell lines. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 910-920.	0.8	77
4	Arginine Deiminase Inhibits Cell Proliferation by Arresting Cell Cycle and Inducing Apoptosis. <i>Biochemical and Biophysical Research Communications</i> , 1999, 261, 10-14.	2.1	76
5	Radiation induced G1-block and p53 status in six human cell lines. <i>Radiotherapy and Oncology</i> , 1995, 37, 20-28.	0.6	47
6	Analysis of DNA damage recovery processes in the adaptive response to ionizing radiation in human lymphocytes. <i>Mutagenesis</i> , 1996, 11, 291-297.	2.6	40
7	In vitro studies on the cellular uptake of melanoma imaging aminoalkyl-iodobenzamide derivatives (ABA). <i>Nuclear Medicine and Biology</i> , 1999, 26, 51-56.	0.6	28
8	Induction of Quiescent S-phase Cells by Irradiation and/or Hyperthermia. I. Time and Dose Dependence. <i>International Journal of Radiation Biology</i> , 1993, 63, 69-76.	1.8	25
9	Increased mutant induction by very low dose-rate γ -irradiation. <i>Die Naturwissenschaften</i> , 1985, 72, 439-440.	1.6	23
10	Changes in S-phase fraction and micronucleus frequency as prognostic factors in radiotherapy of cervical carcinoma. <i>Radiotherapy and Oncology</i> , 1995, 36, 128-132.	0.6	23
11	Effects of Serum Starvation on Radiosensitivity, Proliferation and Apoptosis in Four Human Tumor Cell Lines with Different p53 Status. <i>Strahlentherapie Und Onkologie</i> , 2003, 179, 99-106.	2.0	23
12	WAVELENGTH DEPENDENCE OF INACTIVATION AND MUTATION INDUCTION TO 6-thioguanine RESISTANCE IN V79 CHINESE HAMSTER FIBROBLASTS. <i>Photochemistry and Photobiology</i> , 1984, 40, 49-53.	2.5	21
13	Indicators of oxidative stress after ionizing and/or non-ionizing radiation: Superoxid dismutase and malondialdehyde. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 111-114.	3.8	20
14	Pragmatic ethical basis for radiation protection in diagnostic radiology. <i>British Journal of Radiology</i> , 2016, 89, 20150713.	2.2	20
15	Adaptation of the human population to the environment: Current knowledge, clues from Czech cytogenetic and α -omics-biomonitoring studies and possible mechanisms. <i>Mutation Research - Reviews in Mutation Research</i> , 2017, 773, 188-203.	5.5	19
16	A comparison of the potential therapeutic gain of p(66)/Be neutrons and d(14)/Be neutrons. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 1059-1065.	0.8	18
17	Persistence of Genetic Damage in Lymphocytes from Former Uranium Miners. <i>Cytogenetic and Genome Research</i> , 2012, 136, 288-294.	1.1	18
18	Towards a strategic research agenda for social sciences and humanities in radiological protection. <i>Journal of Radiological Protection</i> , 2019, 39, 766-784.	1.1	17

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19	WAVELENGTH DEPENDENCE OF INACTIVATION and MUTAGENESIS IN HAPLOID YEAST CELLS OF DIFFERENT SENSITIVITIES. <i>Photochemistry and Photobiology</i> , 1983, 37, 39-48.	2.5	15
20	Induction of Quiescent S-phase Cells by Irradiation and/or Hyperthermia. II. Correlation with Colony Forming Ability. <i>International Journal of Radiation Biology</i> , 1993, 63, 77-82.	1.8	15
21	A comparison of different methods to determine cell proliferation by flow cytometry. <i>Cell Proliferation</i> , 1994, 27, 685-694.	5.3	15
22	G2-Phase Delays after Irradiation and/or Heat Treatment as Assessed by Two-Parameter Flow Cytometry. <i>Radiation Research</i> , 2001, 155, 50-56.	1.5	15
23	Micronuclei in lymphocytes from currently active uranium miners. <i>Radiation and Environmental Biophysics</i> , 2012, 51, 277-282.	1.4	15
24	Micronuclei in lymphocytes from radon spa personnel in the Czech Republic. <i>International Archives of Occupational and Environmental Health</i> , 2013, 86, 629-633.	2.3	14
25	Effect of hypothermia on radiation-induced micronuclei and delay of cell cycle progression in TK6 cells. <i>International Journal of Radiation Biology</i> , 2014, 90, 318-324.	1.8	14
26	Mapping the factors affecting the frequency and types of micronuclei in an elderly population from Southern Bohemia. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 793-794, 32-40.	1.0	14
27	Radiation and/or Hyperthermia Sensitivity of Human Melanoma Cells Grown for Several Days in Media with Reduced pH. <i>Strahlentherapie Und Onkologie</i> , 1999, 175, 325-332.	2.0	13
28	Analysis of Genetic Damage in Lymphocytes of Former Uranium Processing Workers. <i>Cytogenetic and Genome Research</i> , 2015, 147, 17-23.	1.1	13
29	Evidence for quiescent S- and G2-phase cells in human colorectal carcinomas: a flow cytometric study with the Ki-67 antibody. <i>Cell Proliferation</i> , 1995, 28, 313-327.	5.3	12
30	Quiescent S-phase cells as indicators of extreme physiological conditions in human tumor xenografts. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 45, 1019-1024.	0.8	11
31	Determination of Potential Doubling Times in Human Melanoma Cell Cultures Subjected to Irradiation and/or Hyperthermia by Flow Cytometry. <i>Radiation Research</i> , 1994, 138, 451.	1.5	9
32	A Cross-Cultural Approach to Radiation Ethics. <i>Radioactivity in the Environment</i> , 2013, , 53-70.	0.2	9
33	Radioactivity in mushrooms from selected locations in the Bohemian Forest, Czech Republic. <i>Radiation and Environmental Biophysics</i> , 2017, 56, 167-175.	1.4	9
34	p53 Levels, Cell Cycle Kinetics and Radiosensitivity in Two SV40 Transformed Wi38VA13 Fibroblast Strains. <i>Strahlentherapie Und Onkologie</i> , 2001, 177, 662-669.	2.0	8
35	Chromatin-bound PCNA as S-phase marker in mononuclear blood cells of patients with acute lymphoblastic leukaemia or multiple myeloma. <i>Cell Proliferation</i> , 2010, 43, 579-583.	5.3	8
36	Enhanced frequency of micronuclei in lymphocytes from current as opposed to former uranium miners. <i>Journal of Applied Biomedicine</i> , 2011, 9, 151-156.	1.7	8

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37	Cell Cycle-Dependent Expression of Ki-67 Antigen in Human Melanoma Cells Subjected to Irradiation and/or Hyperthermia. <i>Radiation Research</i> , 1995, 143, 98.	1.5	6
38	G2-block after irradiation of cells with different p53 status. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 1075-1079.	2.0	6
39	Empathy as an ethical principle for environmental health. <i>Science of the Total Environment</i> , 2020, 705, 135922.	8.0	6
40	INACTIVATION AND MUTATION INDUCTION TO 6-THIOGLUANINE RESISTANCE IN V79 HAMSTER FIBROBLASTS BY SIMULATED SUNLIGHT. <i>Photochemistry and Photobiology</i> , 1988, 47, 399-404.	2.5	5
41	Mutation induction in haploid yeast after split-dose radiation exposure. II. Combination of UV-irradiation and X-rays. <i>Environmental and Molecular Mutagenesis</i> , 2004, 43, 28-35.	2.2	5
42	Solar Ultraviolet Radiation Risk Estimates—A Comparison of Different Action Spectra and Detector Responsivities. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 4887.	2.6	5
43	Changes in cell cycle distribution of V79 Chinese hamster fibroblasts after irradiation at different wavelengths. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1991, 9, 171-179.	3.8	4
44	Relative Biological Effectiveness of 6 MeV Neutrons with Respect to Cell Inactivation and Disturbances of the G1Phase. <i>Radiation Research</i> , 2008, 169, 207-213.	1.5	4
45	Micronucleus frequency and content in healthy relatives of cancer patients. <i>Biomarkers</i> , 2017, 22, 1-7.	1.9	4
46	Photoreactivation of DNA synthetic activity in human embryo fibroblasts. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993, 18, 87-89.	3.8	3
47	Risk estimates for UV-B-enhanced solar radiation. <i>Die Naturwissenschaften</i> , 1993, 80, 462-465.	1.6	3
48	Similar Extent of Apoptosis Induction at Doses of X-Rays and Neutrons Isoeffective for Cell Inactivation. <i>Strahlentherapie Und Onkologie</i> , 2008, 184, 270-275.	2.0	3
49	Childhood leukaemia in the vicinity of German nuclear power plants - some missing links. <i>Journal of Applied Biomedicine</i> , 2010, 8, 67-72.	1.7	3
50	The radiological situation around the former uranium processing plant MAPE Mydlovary, Czech Republic. <i>Nuclear Technology and Radiation Protection</i> , 2015, 30, 132-138.	0.8	3
51	Mutation induction in haploid yeast after split-dose radiation-exposure. <i>Radiation and Environmental Biophysics</i> , 1989, 28, 101-111.	1.4	2
52	Approach of social institutions to preparedness for emergency. <i>Kontakt</i> , 2017, 19, e57-e66.	0.2	2
53	Incidence of spontaneous abortions and congenital anomalies in the vicinity of a uranium processing plant. <i>Central European Journal of Public Health</i> , 2020, 28, 44-47.	1.1	2
54	Flow Cytometric Analysis of Colorectal Mucosa from Patients with Crohn's Disease, Ulcerative Colitis and Cancer. <i>Oncology</i> , 1992, 49, 358-362.	1.9	1

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55	Inactivation and mutation induction to 6-thioguanine resistance in V79 Chinese hamster fibroblasts by 313 nm radiation: Some problems of action spectroscopy. Journal of Photochemistry and Photobiology B: Biology, 1993, 18, 81-85.	3.8	1
56	Radiation and/or hyperthermia sensitivity of human melanoma cells after several days of incubation in media lacking serum or certain serum components. International Journal of Radiation Oncology Biology Physics, 2000, 46, 491-497.	0.8	1
57	The Assessments of the Intracellular Antioxidant Protection of the Organism after LLLT Irradiation. AIP Conference Proceedings, 2009, , .	0.4	1
58	Differential S-phase progression after irradiation of p53 functional versus non-functional tumour cells. Radiology and Oncology, 2014, 48, 354-360.	1.7	1
59	Effective Doses of Employees at the Former Uranium Processing Plant MAPE Mydlovary, Czechoslovakia. Radiation Protection Dosimetry, 2017, 175, 171-177.	0.8	1
60	Environmental health: acute problems. Kontakt, 2013, 15, 190-202.	0.2	1
61	The role of empathy in ethics of radiological protection. Journal of Radiological Protection, 2022, 42, 014002.	1.1	1
62	Evacuation in case of a nuclear power plant accident - discussion of some ethical questions. Kontakt, 2015, 17, e177-e182.	0.2	0
63	Assessment of the radiological situation in different areas affected by uranium mining and uranium processing in the Czech Republic. Nuclear Technology and Radiation Protection, 2021, 36, 139-149.	0.8	0