

Mirta Milic

List of Publications by Year in descending order

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97
papers

1,954
citations

218677
26
h-index

289244
40
g-index

103
all docs

103
docs citations

103
times ranked

2871
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. <i>Nature Protocols</i> , 2020, 15, 3817-3826.	12.0	189
2	Cellular uptake and toxicity effects of silver nanoparticles in mammalian kidney cells. <i>Journal of Applied Toxicology</i> , 2015, 35, 581-592.	2.8	122
3	The comet assay in animal models: From bugs to whales – (Part 1 Invertebrates). <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 779, 82-113.	5.5	66
4	A meta-analysis of biomarkers related to oxidative stress and nitric oxide pathway in migraine. <i>Cephalalgia</i> , 2015, 35, 931-937.	3.9	61
5	Technical recommendations to perform the alkaline standard and enzyme-modified comet assay in human biomonitoring studies. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 24-32.	1.7	58
6	Oxidative stress response in neural stem cells exposed to different superparamagnetic iron oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2016, 11, 1701.	6.7	57
7	Impact of surface functionalization on the uptake mechanism and toxicity effects of silver nanoparticles in HepG2 cells. <i>Food and Chemical Toxicology</i> , 2017, 107, 349-361.	3.6	55
8	Evaluation of chlorpyrifos toxicity through a 28-day study: Cholinesterase activity, oxidative stress responses, parent compound/metabolite levels, and primary DNA damage in blood and brain tissue of adult male Wistar rats. <i>Chemico-Biological Interactions</i> , 2018, 279, 51-63.	4.0	55
9	Worldwide interest in the comet assay: a bibliometric study. <i>Mutagenesis</i> , 2015, 30, 155-163.	2.6	52
10	DNA damage in non-communicable diseases: A clinical and epidemiological perspective. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 776, 118-127.	1.0	50
11	Cytotoxic, genotoxic and biochemical markers of insecticide toxicity evaluated in human peripheral blood lymphocytes and an HepG2 cell line. <i>Food and Chemical Toxicology</i> , 2016, 96, 90-106.	3.6	48
12	Effects of low doses of glyphosate on DNA damage, cell proliferation and oxidative stress in the HepG2 cell line. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19267-19281.	5.3	48
13	Oxidative stress, cholinesterase activity, and DNA damage in the liver, whole blood, and plasma of Wistar rats following a 28-day exposure to glyphosate. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2018, 69, 154-168.	0.7	47
14	The comet assay in animal models: From bugs to whales – (Part 2 Vertebrates). <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 130-164.	5.5	46
15	The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108371.	5.5	45
16	Fumonisin B1: Oxidative status and DNA damage in rats. <i>Toxicology</i> , 2007, 232, 163-169.	4.2	39
17	Cholinergic Receptors as Target for Cancer Therapy in a Systems Medicine Perspective. <i>Current Molecular Medicine</i> , 2014, 14, 1126-1138.	1.3	39
18	DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. <i>Scientific Reports</i> , 2021, 11, 16793.	3.3	36

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19	Evaluation of genotoxic effects of lead in pottery-glaze workers using micronucleus assay, alkaline comet assay and DNA diffusion assay. International Archives of Occupational and Environmental Health, 2012, 85, 807-818.	2.3	34
20	Environment Changes, Aflatoxins, and Health Issues, a Review. International Journal of Environmental Research and Public Health, 2020, 17, 7850.	2.6	34
21	Effects of low-level imidacloprid oral exposure on cholinesterase activity, oxidative stress responses, and primary DNA damage in the blood and brain of male Wistar rats. Chemico-Biological Interactions, 2021, 338, 109287.	4.0	34
22	Involvement of Ahr Pathway in Toxicity of Aflatoxins and Other Mycotoxins. Frontiers in Microbiology, 2019, 10, 2347.	3.5	32
23	Neurotoxicity of silver nanoparticles stabilized with different coating agents: In vitro response of neuronal precursor cells. Food and Chemical Toxicology, 2020, 136, 110935.	3.6	30
24	Irinotecan Toxicity to Human Blood Cells in vitro: Relationship between Various Biomarkers. Basic and Clinical Pharmacology and Toxicology, 2007, 100, 403-413.	2.5	29
25	Impact of surface functionalization on the toxicity and antimicrobial effects of selenium nanoparticles considering different routes of entry. Food and Chemical Toxicology, 2020, 144, 111621.	3.6	28
26	Evaluation of lead exposure in battery manufacturing workers with focus on different biomarkers. Journal of Applied Toxicology, 2010, 30, 321-328.	2.8	27
27	Surface coating affects uptake of silver nanoparticles in neural stem cells. Journal of Trace Elements in Medicine and Biology, 2018, 50, 684-692.	3.0	27
28	Fatty liver index as an indicator of metabolic syndrome. Clinical Biochemistry, 2012, 45, 68-71.	1.9	24
29	Surface Stabilization Affects Toxicity of Silver Nanoparticles in Human Peripheral Blood Mononuclear Cells. Nanomaterials, 2020, 10, 1390.	4.1	24
30	Inter-laboratory consistency and variability in the buccal micronucleus cytome assay depends on biomarker scored and laboratory experience: results from the HUMNxl international inter-laboratory scoring exercise. Mutagenesis, 2016, 32, gew047.	2.6	23
31	Genomic instability in a healthy elderly population: a pilot study of possible cytogenetic markers related to ageing. Mutagenesis, 2010, 25, 455-462.	2.6	21
32	Effects of the chloro-s-triazine herbicide terbuthylazine on DNA integrity in human and mouse cells. Environmental Science and Pollution Research, 2018, 25, 19065-19081.	5.3	19
33	Protein Corona Modulates Distribution and Toxicological Effects of Silver Nanoparticles In Vivo. Particle and Particle Systems Characterization, 2019, 36, 1900174.	2.3	18
34	Alkaline comet assay results on fresh and one-year frozen whole blood in small volume without cryo-protection in a group of people with different health status. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 3-10.	1.7	18
35	Association between arsenic exposure and biomarkers of type 2 diabetes mellitus in a Croatian population: A comparative observational pilot study. Science of the Total Environment, 2020, 720, 137575.	8.0	18
36	The genotoxic risk in health care workers occupationally exposed to cytotoxic drugs – A comprehensive evaluation by the SCE assay. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 462-479.	1.7	17

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37	Effects of sub-chronic exposure to terbuthylazine on DNA damage, oxidative stress and parent compound/metabolite levels in adult male rats. Food and Chemical Toxicology, 2017, 108, 93-103.	3.6	17
38	RENEB/EURADOS field exercise 2019: robust dose estimation under outdoor conditions based on the dicentric chromosome assay. International Journal of Radiation Biology, 2021, 97, 1181-1198.	1.8	17
39	Chromosome damage in workers in cigarette manufacturing industry. Journal of Applied Toxicology, 2008, 28, 399-404.	2.8	16
40	Level of primary DNA damage in the early stage of metabolic syndrome. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 758, 1-5.	1.7	16
41	Frequency of micronuclei and other biomarkers of DNA damage in populations exposed to dusts, asbestos and other fibers. A systematic review. Mutation Research - Reviews in Mutation Research, 2016, 770, 106-118.	5.5	16
42	Polymorphisms in DNA repair genes: link with biomarkers of the CBMN cytome assay in hospital workers chronically exposed to low doses of ionising radiation / Polimorfizmi u genima za popravak DNA: poveznica s biomarkerima mikronukleus-testa u medicinskih radnika kronično izloženi niskim dozama ionizirajućeg zračenja. Arhiv Za Higijenu Rada I Toksikologiju, 2015, 66, 109-120.	0.7	15
43	Assessment of oxidative stress responses and the cytotoxic and genotoxic potential of the herbicide tembotrione in HepG2 cells. Food and Chemical Toxicology, 2016, 94, 64-74.	3.6	15
44	The effect of insecticides chlorpyrifos, Î±-cypermethrin and imidacloprid on primary DNA damage, TP 53 and c- Myc structural integrity by comet-FISH assay. Chemosphere, 2017, 182, 332-338.	8.2	15
45	RENEB Inter-Laboratory comparison 2017: limits and pitfalls of ILCs. International Journal of Radiation Biology, 2021, 97, 888-905.	1.8	13
46	The comet assay in human biomonitoring: Technical and epidemiological perspectives. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 1-2.	1.7	12
47	A Systematic Review of Studies on Genotoxicity and Related Biomarkers in Populations Exposed to Pesticides in Mexico. Toxics, 2021, 9, 272.	3.7	12
48	Application of the buccal micronucleus cytome assay on child population exposed to sinus X-ray. European Journal of Radiology, 2020, 129, 109143.	2.6	11
49	Effect of differently coated silver nanoparticles on hemostasis. Platelets, 2021, 32, 651-661.	2.3	10
50	Interaction of Differently Coated Silver Nanoparticles With Skin and Oral Mucosal Cells. Journal of Pharmaceutical Sciences, 2021, 110, 2250-2261.	3.3	10
51	Assessment of multiple anthropogenic contaminants and their potential genotoxicity in the aquatic environment of Plitvice Lakes National Park, Croatia. Environmental Monitoring and Assessment, 2018, 190, 694.	2.7	9
52	Assessment of Cytogenetic Damage and Cholinesterasesâ€™ Activity in Workers Occupationally Exposed to Pesticides in Zamora-Jacona, Michoacan, Mexico. International Journal of Environmental Research and Public Health, 2021, 18, 6269.	2.6	9
53	DNA damage and genomic instability among workers formerly and currently exposed to asbestos. Scandinavian Journal of Work, Environment and Health, 2018, 44, 423-431.	3.4	9
54	Assessment of the radioprotective effects of amifostine and melatonin on human lymphocytes irradiated with gamma-rays in vitro. Arhiv Za Higijenu Rada I Toksikologiju, 2006, 57, 155-63.	0.7	9

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55	Blood selenium, glutathione peroxidase activity and antioxidant supplementation of subjects exposed to arsenic via drinking water. <i>Environmental Toxicology and Pharmacology</i> , 2010, 29, 138-143.	4.0	8
56	Biomarkers of DNA damage in COPD patients undergoing pulmonary rehabilitation: Integrating clinical parameters with genomic profiling. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 111-117.	1.7	8
57	Genotoxicity of Mercury and Its Derivatives Demonstrated In Vitro and In Vivo in Human Populations Studies. Systematic Review. <i>Toxics</i> , 2021, 9, 326.	3.7	8
58	DNA damage in kidney and parenchymal and non-parenchymal liver cells of adult Wistar rats after subchronic oral treatment with tembotrione. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1800-1807.	5.3	7
59	miRNAs: A potentially valuable tool in pesticide toxicology assessment-current experimental and epidemiological data review. <i>Chemosphere</i> , 2022, 295, 133792.	8.2	7
60	The Influence of Individual Genome Sensitivity in DNA Damage Repair Assessment in Chronic Professional Exposure to Low Doses of Ionizing Radiation. , Ö , , .		6
61	Genotoxic effects of the carbamate insecticide Pirimor-50Â® in Vicia faba root tip meristems and human lymphocyte culture after direct application and treatment with its metabolic extracts. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2016, 67, 266-276.	0.7	6
62	Assessment of genotoxicity of Lannate-90Â® and its plant and animal metabolites in human lymphocyte cultures. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2016, 67, 116-125.	0.7	6
63	Skin Characteristics of Hairdresser Apprentices at the Beginning of Vocational Training. <i>Dermatitis</i> , 2021, 32, 437-443.	1.6	6
64	3-(2-deoxy-Î²- d - erythro -pentafulanosyl)pyrimido[1,2-Î±]purin-10(3H)-one deoxyguanosine adducts of workers exposed to asbestos fibers. <i>Toxicology Letters</i> , 2017, 270, 1-7.	0.8	5
65	The shape of titanium dioxide nanomaterials modulates their protection efficacy against ultraviolet light in human skin cells. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	5
66	Evaluation of oxidative stress responses and primary DNA damage in blood and brain of rats exposed to low levels of tembotrione. <i>Chemosphere</i> , 2020, 253, 126643.	8.2	5
67	Daily Vegetables Intake and Response to COPD Rehabilitation. The Role of Oxidative Stress, Inflammation and DNA Damage. <i>Nutrients</i> , 2021, 13, 2787.	4.1	5
68	Biomonitoring findings for occupational lead exposure in battery and ceramic tile workers using biochemical markers, alkaline comet assay, and micronucleus test coupled with fluorescence <i>in situ</i> hybridisation. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2020, 71, 339-352.	0.7	5
69	Genome damage in testicular seminoma patients seven years after radiotherapy. <i>International Journal of Radiation Biology</i> , 2013, 89, 928-933.	1.8	4
70	Correlation between folate and vitamin Bâ€, and markers of DNA stability in healthy men: preliminary results. <i>Acta Biochimica Polonica</i> , 2010, 57, 339-45.	0.5	4
71	Changes in anthropometric, biochemical, oxidative, and DNA damage parameters after 3-weeks-567-kcal-hospital-controlled-VLCD in severely obese patients with BMIÂ %o~Â#Â kgÂ m~2. <i>Clinical Nutrition ESPEN</i> , 2022, 49, 319-327.	1.2	4
72	Effects of a 3-Week Hospital-Controlled Very-Low-Calorie Diet in Severely Obese Patients. <i>Nutrients</i> , 2021, 13, 4468.	4.1	4

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73	Genotoxicity and effects of nanosilver contamination in drinking water disinfection. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 829-836.	2.1	3
74	Effect of alcohol dehydrogenaseâ€”1B and â€”7 polymorphisms on blood ethanol and acetaldehyde concentrations in healthy subjects with a history of moderate alcohol consumption. <i>Drug Testing and Analysis</i> , 2018, 10, 488-495.	2.6	3
75	DNA damage in dementia: Evidence from patients affected by severe Chronic Obstructive Pulmonary Disease (COPD) and meta-analysis of most recent literature. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 878, 503499.	1.7	3
76	DNA damage assessment in peripheral blood of Swiss albino mice after combined exposure to volatile anesthetics and 1 or 2â€”Gy radiotherapy inâ€”vivo. <i>International Journal of Radiation Biology</i> , 2021, 97, 1425-1435.	1.8	2
77	Potential radioprotective properties of arbutin against ionising radiation on human leukocytes in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2021, 872, 503413.	1.7	2
78	A pooled analysis of molecular epidemiological studies on modulation of DNA repair by host factors. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503447.	1.7	2
79	Evaluation of in vitro genotoxic activity of bleomycin and mitomycin C in human lymphocytes using the alkaline comet assay. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2004, 55, 249-59.	0.7	2
80	Kidney cell DNA damage caused by combined exposure to volatile anaesthetics and 1 Gy or 2 Gy radiotherapy dose <i>in vivo</i>. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2022, 73, 62-70.	0.7	2
81	Mercury chloride genotoxicity in human lymphocyte culture assessed by the alkaline comet assay. <i>Toxicology Letters</i> , 2006, 164, S195.	0.8	1
82	Mercury chloride genotoxicity evaluated by micronucleus test in human lymphocyte culture. <i>Toxicology Letters</i> , 2006, 164, S195.	0.8	1
83	DNA damage in lymphocytes of lead workers determined by the alkaline comet assay. <i>Toxicology Letters</i> , 2007, 172, S122.	0.8	1
84	Long-Term Follow-Up Study of Genome Damage Elimination in Patients with Testicular Seminoma Exposed to Ionising Radiation during Radiotherapy. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2011, 62, 51-56.	0.7	1
85	Assessment of Listerine Cool Mint mouthwash influence on possible DNA damage measured by buccal micronucleus cytome assay-preliminary results. <i>Genetics & Applications</i> , 2019, 3, 24.	0.1	1
86	Evaluation of apoptotic activity of mercury chloride by DNA diffusion assay. <i>Toxicology Letters</i> , 2006, 164, S194-S195.	0.8	0
87	Correlations of blood lead in lead workers and the incidence of micronuclei. <i>Toxicology Letters</i> , 2007, 172, S117.	0.8	0
88	Micronuclei and trace elements in lead workers. <i>Toxicology Letters</i> , 2007, 172, S119-S120.	0.8	0
89	Correlation between frequency of micronuclei and status of folate and vitamin B12 in operating theatre staff. <i>Toxicology Letters</i> , 2008, 180, S74.	0.8	0
90	Su1209 Protective and Reparative Effect of Petadecapeptide BPC 157 on Mice Blood, Liver and Kidney Cells. <i>Gastroenterology</i> , 2012, 142, S-451.	1.3	0

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91	Systems Biology and Systems Medicine: The Technological Tools of the System Approaches to Complexity. , 2014, 4, .		0
92	Effect of charge and surface ligand properties of silver nanoparticles on toxicity in mammalian cells in vitro. Toxicology Letters, 2015, 238, S116.	0.8	0
93	Correlation of buccal micronucleus cytome assay parameters with arsenic and its species measured in urine from people in Eastern Croatia. Toxicology Letters, 2017, 280, S211.	0.8	0
94	Chromatographic Detection of 8-Hydroxy-2â€²-Deoxyguanosine in Leukocytes of Asbestos Exposed Workers for Assessing Past and Recent Carcinogen Exposures. Diagnostics, 2020, 10, 239.	2.6	0
95	DNA Damage and Glutathione Peroxidase Activity in Liver and Kidney Cells in Wistar Rats Exposed to Terbutylazine (TERB) for 28 Consecutive Days. , 0, , .		0
96	Response to the Letter to the Editor: The importance of genotoxicity studies for biomonitoring children exposed to X-ray. European Journal of Radiology, 2021, 135, 109506.	2.6	0
97	Assessment of transplacental and lactational genotoxicity of tembotrione in Wistar rats at different developmental stages by alkaline comet assay. Toxicology, 2021, 463, 152983.	4.2	0