

Mirta Milic

List of Publications by Year in descending order

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97
papers

1,954
citations

218381

26
h-index

288905

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.	5.5	189
2	Cellular uptake and toxicity effects of silver nanoparticles in mammalian kidney cells. <i>Journal of Applied Toxicology</i> , 2015, 35, 581-592.	1.4	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.	2.4	66
4	A meta-analysis of biomarkers related to oxidative stress and nitric oxide pathway in migraine. <i>Cephalalgia</i> , 2015, 35, 931-937.	1.8	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.	0.9	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.	3.3	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.	1.8	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.	1.7	55
9	Worldwide interest in the comet assay: a bibliometric study. <i>Mutagenesis</i> , 2015, 30, 155-163.	1.0	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.	0.4	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.	1.8	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.	2.7	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.	0.4	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.	2.4	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.	2.4	45
16	Fumonisin B1: Oxidative status and DNA damage in rats. <i>Toxicology</i> , 2007, 232, 163-169.	2.0	39
17	Cholinergic Receptors as Target for Cancer Therapy in a Systems Medicine Perspective. <i>Current Molecular Medicine</i> , 2014, 14, 1126-1138.	0.6	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.	1.6	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. <i>International Archives of Occupational and Environmental Health</i> , 2012, 85, 807-818.	1.1	34
20	Environment Changes, Aflatoxins, and Health Issues, a Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7850.	1.2	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. <i>Chemico-Biological Interactions</i> , 2021, 338, 109287.	1.7	34
22	Involvement of Ahr Pathway in Toxicity of Aflatoxins and Other Mycotoxins. <i>Frontiers in Microbiology</i> , 2019, 10, 2347.	1.5	32
23	Neurotoxicity of silver nanoparticles stabilized with different coating agents: In vitro response of neuronal precursor cells. <i>Food and Chemical Toxicology</i> , 2020, 136, 110935.	1.8	30
24	Irinotecan Toxicity to Human Blood Cells in vitro: Relationship between Various Biomarkers. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2007, 100, 403-413.	1.2	29
25	Impact of surface functionalization on the toxicity and antimicrobial effects of selenium nanoparticles considering different routes of entry. <i>Food and Chemical Toxicology</i> , 2020, 144, 111621.	1.8	28
26	Evaluation of lead exposure in battery manufacturing workers with focus on different biomarkers. <i>Journal of Applied Toxicology</i> , 2010, 30, 321-328.	1.4	27
27	Surface coating affects uptake of silver nanoparticles in neural stem cells. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 684-692.	1.5	27
28	Fatty liver index as an indicator of metabolic syndrome. <i>Clinical Biochemistry</i> , 2012, 45, 68-71.	0.8	24
29	Surface Stabilization Affects Toxicity of Silver Nanoparticles in Human Peripheral Blood Mononuclear Cells. <i>Nanomaterials</i> , 2020, 10, 1390.	1.9	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. <i>Mutagenesis</i> , 2016, 32, gew047.	1.0	23
31	Genomic instability in a healthy elderly population: a pilot study of possible cytogenetic markers related to ageing. <i>Mutagenesis</i> , 2010, 25, 455-462.	1.0	21
32	Effects of the chloro-s-triazine herbicide terbuthylazine on DNA integrity in human and mouse cells. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19065-19081.	2.7	19
33	Protein Corona Modulates Distribution and Toxicological Effects of Silver Nanoparticles In Vivo. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900174.	1.2	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. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 3-10.	0.9	18
35	Association between arsenic exposure and biomarkers of type 2 diabetes mellitus in a Croatian population: A comparative observational pilot study. <i>Science of the Total Environment</i> , 2020, 720, 137575.	3.9	18
36	The genotoxic risk in health care workers occupationally exposed to cytotoxic drugs – A comprehensive evaluation by the SCE assay. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 462-479.	0.9	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. <i>Food and Chemical Toxicology</i> , 2017, 108, 93-103.	1.8	17
38	RENEB/EURADOS field exercise 2019: robust dose estimation under outdoor conditions based on the dicentric chromosome assay. <i>International Journal of Radiation Biology</i> , 2021, 97, 1181-1198.	1.0	17
39	Chromosome damage in workers in cigarette manufacturing industry. <i>Journal of Applied Toxicology</i> , 2008, 28, 399-404.	1.4	16
40	Level of primary DNA damage in the early stage of metabolic syndrome. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 758, 1-5.	0.9	16
41	Frequency of micronuclei and other biomarkers of DNA damage in populations exposed to dusts, asbestos and other fibers. A systematic review. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 106-118.	2.4	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. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2015, 66, 109-120.	0.4	15
43	Assessment of oxidative stress responses and the cytotoxic and genotoxic potential of the herbicide tembotrione in HepG2 cells. <i>Food and Chemical Toxicology</i> , 2016, 94, 64-74.	1.8	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. <i>Chemosphere</i> , 2017, 182, 332-338.	4.2	15
45	RENEB Inter-Laboratory comparison 2017: limits and pitfalls of ILCs. <i>International Journal of Radiation Biology</i> , 2021, 97, 888-905.	1.0	13
46	The comet assay in human biomonitoring: Technical and epidemiological perspectives. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 1-2.	0.9	12
47	A Systematic Review of Studies on Genotoxicity and Related Biomarkers in Populations Exposed to Pesticides in Mexico. <i>Toxics</i> , 2021, 9, 272.	1.6	12
48	Application of the buccal micronucleus cytome assay on child population exposed to sinus X-ray. <i>European Journal of Radiology</i> , 2020, 129, 109143.	1.2	11
49	Effect of differently coated silver nanoparticles on hemostasis. <i>Platelets</i> , 2021, 32, 651-661.	1.1	10
50	Interaction of Differently Coated Silver Nanoparticles With Skin and Oral Mucosal Cells. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 2250-2261.	1.6	10
51	Assessment of multiple anthropogenic contaminants and their potential genotoxicity in the aquatic environment of Plitvice Lakes National Park, Croatia. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 694.	1.3	9
52	Assessment of Cytogenetic Damage and Cholinesterasesâ€™ Activity in Workers Occupationally Exposed to Pesticides in Zamora-Jacona, Michoacan, Mexico. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6269.	1.2	9
53	DNA damage and genomic instability among workers formerly and currently exposed to asbestos. <i>Scandinavian Journal of Work, Environment and Health</i> , 2018, 44, 423-431.	1.7	9
54	Assessment of the radioprotective effects of amifostine and melatonin on human lymphocytes irradiated with gamma-rays in vitro. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2006, 57, 155-63.	0.4	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.	2.0	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.	0.9	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.	1.6	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.	2.7	7
59	miRNAs: A potentially valuable tool in pesticide toxicology assessment-current experimental and epidemiological data review. <i>Chemosphere</i> , 2022, 295, 133792.	4.2	7
60	The Influence of Individual Genome Sensitivity in DNA Damage Repair Assessment in Chronic Professional Exposure to Low Doses of Ionizing Radiation. , 0, , .		6
61	Genotoxic effects of the carbamate insecticide Pirimor-50Â® in <i>Vicia faba</i> 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.	0.4	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.	0.4	6
63	Skin Characteristics of Hairdresser Apprentices at the Beginning of Vocational Training. <i>Dermatitis</i> , 2021, 32, 437-443.	0.8	6
64	3-(2-deoxy-Î²- d - erythro -pentafuranosyl)pyrimido[1,2-Î±]purin-10(3H)-one deoxyguanosine adducts of workers exposed to asbestos fibers. <i>Toxicology Letters</i> , 2017, 270, 1-7.	0.4	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.	0.8	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.	4.2	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.	1.7	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.	0.4	5
69	Genome damage in testicular seminoma patients seven years after radiotherapy. <i>International Journal of Radiation Biology</i> , 2013, 89, 928-933.	1.0	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.	0.3	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‰¥35ÂkgÂm~2. <i>Clinical Nutrition ESPEN</i> , 2022, 49, 319-327.	0.5	4
72	Effects of a 3-Week Hospital-Controlled Very-Low-Calorie Diet in Severely Obese Patients. <i>Nutrients</i> , 2021, 13, 4468.	1.7	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.	1.0	3
74	Effect of alcohol dehydrogenaseâ€”B 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.	1.6	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.	0.9	3
76	DNA damage assessment in peripheral blood of Swiss albino mice after combined exposure to volatile anesthetics and 1 or 2â€”Gy radiotherapy in vivo. <i>International Journal of Radiation Biology</i> , 2021, 97, 1425-1435.	1.0	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.	0.9	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.	0.9	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.	0.4	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.	0.4	2
81	Mercury chloride genotoxicity in human lymphocyte culture assessed by the alkaline comet assay. <i>Toxicology Letters</i> , 2006, 164, S195.	0.4	1
82	Mercury chloride genotoxicity evaluated by micronucleus test in human lymphocyte culture. <i>Toxicology Letters</i> , 2006, 164, S195.	0.4	1
83	DNA damage in lymphocytes of lead workers determined by the alkaline comet assay. <i>Toxicology Letters</i> , 2007, 172, S122.	0.4	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.	0.4	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.	0.4	0
87	Correlations of blood lead in lead workers and the incidence of micronuclei. <i>Toxicology Letters</i> , 2007, 172, S117.	0.4	0
88	Micronuclei and trace elements in lead workers. <i>Toxicology Letters</i> , 2007, 172, S119-S120.	0.4	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.	0.4	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.	0.6	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.	0.4	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.	0.4	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.	1.3	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.	1.2	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.	2.0	0