List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | miRNAs: A potentially valuable tool in pesticide toxicology assessment-current experimental and epidemiological data review. Chemosphere, 2022, 295, 133792.   | 8.2 | 7         |
| 2  | A pooled analysis of molecular epidemiological studies on modulation of DNA repair by host factors.<br>Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 876-877, 503447.  | 1.7 | 2         |
| 3  | Changes in anthropometric, biochemical, oxidative, and DNA damage parameters after<br>3-weeks-567-kcal-hospital-controlled-VLCD in severely obese patients with BMIÂ≥Â35ÂkgÂmâ^2. Clinical<br>Nutrition ESPEN, 2022, 49, 319-327.                          | 1.2 | 4         |
| 4  | Kidney cell DNA damage caused by combined exposure to volatile anaesthetics and 1 Gy or 2 Gy<br>radiotherapy dose <i>in vivo</i> . Arhiv Za Higijenu Rada I Toksikologiju, 2022, 73, 62-70.  | 0.7 | 2         |
| 5  | DNA damage in dementia: Evidence from patients affected by severe Chronic Obstructive Pulmonary<br>Disease (COPD) and meta-analysis of most recent literature. Mutation Research - Genetic Toxicology<br>and Environmental Mutagenesis, 2022, 878, 503499. | 1.7 | 3         |
| 6  | Effect of differently coated silver nanoparticles on hemostasis. Platelets, 2021, 32, 651-661.   | 2.3 | 10        |
| 7  | Effects of low-level imidacloprid oral exposure on cholinesterase activity, oxidative stress<br>responses, and primary DNA damage in the blood and brain of male Wistar rats. Chemico-Biological<br>Interactions, 2021, 338, 109287.                       | 4.0 | 34        |
| 8  | The hCOMET project: International database comparison of results with the comet assay in human<br>biomonitoring. Baseline frequency of DNA damage and effect of main confounders. Mutation Research<br>- Reviews in Mutation Research, 2021, 787, 108371.  | 5.5 | 45        |
| 9  | 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         |
| 10 | Skin Characteristics of Hairdresser Apprentices at the Beginning of Vocational Training. Dermatitis, 2021, 32, 437-443.  | 1.6 | 6         |
| 11 | RENEB Inter-Laboratory comparison 2017: limits and pitfalls of ILCs. International Journal of Radiation Biology, 2021, 97, 888-905.  | 1.8 | 13        |
| 12 | Interaction of Differently Coated Silver Nanoparticles With Skin and Oral Mucosal Cells. Journal of Pharmaceutical Sciences, 2021, 110, 2250-2261.   | 3.3 | 10        |
| 13 | Assessment of Cytogenetic Damage and Cholinesterases' 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         |
| 14 | 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        |
| 15 | Daily Vegetables Intake and Response to COPD Rehabilitation. The Role of Oxidative Stress,<br>Inflammation and DNA Damage. Nutrients, 2021, 13, 2787.  | 4.1 | 5         |
| 16 | DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death.<br>Scientific Reports, 2021, 11, 16793.  | 3.3 | 36        |
| 17 | DNA damage assessment in peripheral blood of Swiss albino mice after combined exposure to volatile<br>anesthetics and 1 or 2 Gy radiotherapy inÂvivo. International Journal of Radiation Biology, 2021, 97,<br>1425-1435.                                  | 1.8 | 2         |
| 18 | Potential radioprotective properties of arbutin against ionising radiation on human leukocytes in vitro. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2021, 872, 503413.  | 1.7 | 2         |

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|----|--|------|-----------|
| 19 | A Systematic Review of Studies on Genotoxicity and Related Biomarkers in Populations Exposed to Pesticides in Mexico. Toxics, 2021, 9, 272.  | 3.7  | 12        |
| 20 | 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         |
| 21 | Genotoxicity of Mercury and Its Derivatives Demonstrated In Vitro and In Vivo in Human Populations<br>Studies. Systematic Review. Toxics, 2021, 9, 326.  | 3.7  | 8         |
| 22 | Effects of a 3-Week Hospital-Controlled Very-Low-Calorie Diet in Severely Obese Patients. Nutrients, 2021, 13, 4468.   | 4.1  | 4         |
| 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 | DNA damage in kidney and parenchymal and non-parenchymal liver cells of adult Wistar rats after<br>subchronic oral treatment with tembotrione. Environmental Science and Pollution Research, 2020,<br>27, 1800-1807.   | 5.3  | 7         |
| 25 | Surface Stabilization Affects Toxicity of Silver Nanoparticles in Human Peripheral Blood<br>Mononuclear Cells. Nanomaterials, 2020, 10, 1390.  | 4.1  | 24        |
| 26 | Impact of surface functionalization on the toxicity and antimicrobial effects of selenium<br>nanoparticles considering different routes of entry. Food and Chemical Toxicology, 2020, 144, 111621.   | 3.6  | 28        |
| 27 | Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. Nature Protocols, 2020, 15, 3817-3826.  | 12.0 | 189       |
| 28 | Environment Changes, Aflatoxins, and Health Issues, a Review. International Journal of Environmental<br>Research and Public Health, 2020, 17, 7850.  | 2.6  | 34        |
| 29 | Application of the buccal micronucleus cytome assay on child population exposed to sinus X-ray.<br>European Journal of Radiology, 2020, 129, 109143.   | 2.6  | 11        |
| 30 | The shape of titanium dioxide nanomaterials modulates their protection efficacy against ultraviolet<br>light in human skin cells. Journal of Nanoparticle Research, 2020, 22, 1.   | 1.9  | 5         |
| 31 | Association between arsenic exposure and biomarkers of type 2 diabetes mellitus in a Croatian<br>population: A comparative observational pilot study. Science of the Total Environment, 2020, 720,<br>137575.  | 8.0  | 18        |
| 32 | Evaluation of oxidative stress responses and primary DNA damage in blood and brain of rats exposed to low levels of tembotrione. Chemosphere, 2020, 253, 126643.   | 8.2  | 5         |
| 33 | Chromatographic Detection of 8-Hydroxy-2′-Deoxyguanosine in Leukocytes of Asbestos Exposed<br>Workers for Assessing Past and Recent Carcinogen Exposures. Diagnostics, 2020, 10, 239.  | 2.6  | 0         |
| 34 | Biomonitoring findings for occupational lead exposure in battery and ceramic tile workers using<br>biochemical markers, alkaline comet assay, and micronucleus test coupled with fluorescence <i>in<br/>situ</i> hybridisation. Arhiv Za Higijenu Rada I Toksikologiju, 2020, 71, 339-352. | 0.7  | 5         |
| 35 | Involvement of Ahr Pathway in Toxicity of Aflatoxins and Other Mycotoxins. Frontiers in Microbiology, 2019, 10, 2347.  | 3.5  | 32        |
| 36 | Protein Corona Modulates Distribution and Toxicological Effects of Silver Nanoparticles In Vivo.<br>Particle and Particle Systems Characterization, 2019, 36, 1900174.   | 2.3  | 18        |

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|----|--|-----|-----------|
| 37 | The comet assay in human biomonitoring: Technical and epidemiological perspectives. Mutation<br>Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 843, 1-2.   | 1.7 | 12        |
| 38 | Technical recommendations to perform the alkaline standard and enzyme-modified comet assay in<br>human biomonitoring studies. Mutation Research - Genetic Toxicology and Environmental<br>Mutagenesis, 2019, 843, 24-32.   | 1.7 | 58        |
| 39 | The comet assay in animal models: From bugs to whales – (Part 2 Vertebrates). Mutation Research -<br>Reviews in Mutation Research, 2019, 781, 130-164.   | 5.5 | 46        |
| 40 | Biomarkers of DNA damage in COPD patients undergoing pulmonary rehabilitation: Integrating clinical<br>parameters with genomic profiling. Mutation Research - Genetic Toxicology and Environmental<br>Mutagenesis, 2019, 843, 111-117.   | 1.7 | 8         |
| 41 | Alkaline comet assay results on fresh and one-year frozen whole blood in small volume without<br>cryo-protection in a group of people with different health status. Mutation Research - Genetic<br>Toxicology and Environmental Mutagenesis, 2019, 843, 3-10.                      | 1.7 | 18        |
| 42 | The comet assay in animal models: From bugs to whales – (Part 1 Invertebrates). Mutation Research -<br>Reviews in Mutation Research, 2019, 779, 82-113.  | 5.5 | 66        |
| 43 | Assessment of Listerine Cool Mint mouthwash influence on possible DNA damage measured by buccal micronucleus cytome assay-preliminary results. Genetics & Applications, 2019, 3, 24.   | 0.1 | 1         |
| 44 | Surface coating affects uptake of silver nanoparticles in neural stem cells. Journal of Trace Elements<br>in Medicine and Biology, 2018, 50, 684-692.  | 3.0 | 27        |
| 45 | Effects of the chloro-s-triazine herbicide terbuthylazine on DNA integrity in human and mouse cells.<br>Environmental Science and Pollution Research, 2018, 25, 19065-19081.   | 5.3 | 19        |
| 46 | Effect of alcohol dehydrogenaseâ€1B and â€7 polymorphisms on blood ethanol and acetaldehyde<br>concentrations in healthy subjects with a history of moderate alcohol consumption. Drug Testing<br>and Analysis, 2018, 10, 488-495.   | 2.6 | 3         |
| 47 | 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. Chemico-Biological Interactions, 2018, 279, 51-63. | 4.0 | 55        |
| 48 | Oxidative stress, cholinesterase activity, and DNA damage in the liver, whole blood, and plasma of<br>Wistar rats following a 28-day exposure to glyphosate. Arhiv Za Higijenu Rada I Toksikologiju, 2018, 69,<br>154-168.   | 0.7 | 47        |
| 49 | Assessment of multiple anthropogenic contaminants and their potential genotoxicity in the aquatic<br>environment of Plitvice Lakes National Park, Croatia. Environmental Monitoring and Assessment, 2018,<br>190, 694.   | 2.7 | 9         |
| 50 | DNA damage and genomic instability among workers formerly and currently exposed to asbestos.<br>Scandinavian Journal of Work, Environment and Health, 2018, 44, 423-431.   | 3.4 | 9         |
| 51 | 3-(2-deoxy-β- d - erythro -pentafuranosyl)pyrimido[1,2-α]purin-10(3H)-one deoxyguanosine adducts of<br>workers exposed to asbestos fibers. Toxicology Letters, 2017, 270, 1-7.   | 0.8 | 5         |
| 52 | The effect of insecticides chlorpyrifos, α-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        |
| 53 | Effects of sub-chronic exposure to terbuthylazine on DNA damage, oxidative stress and parent compound/metabolite levels in adult maleArats. Food and Chemical Toxicology, 2017, 108, 93-103.   | 3.6 | 17        |
| 54 | 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         |

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|----|---|-----|-----------|
| 55 | Impact of surface functionalization on the uptake mechanism and toxicity effects of silver nanoparticles in HepG2 cells. Food and Chemical Toxicology, 2017, 107, 349-361.  | 3.6 | 55        |
| 56 | Effects of low doses of glyphosate on DNA damage, cell proliferation and oxidative stress in the HepG2 cell line. Environmental Science and Pollution Research, 2017, 24, 19267-19281.  | 5.3 | 48        |
| 57 | Oxidative stress response in neural stem cells exposed to different superparamagnetic iron oxide nanoparticles. International Journal of Nanomedicine, 2016, 11, 1701.  | 6.7 | 57        |
| 58 | Genotoxic effects of the carbamate insecticide Pirimor-50® in Vicia faba root tip meristems and human<br>lymphocyte culture after direct application and treatment with its metabolic extracts. Arhiv Za<br>Higijenu Rada I Toksikologiju, 2016, 67, 266-276.   | 0.7 | 6         |
| 59 | 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        |
| 60 | Inter-laboratory consistency and variability in the buccal micronucleus cytome assay depends on<br>biomarker scored and laboratory experience: results from the HUMNxl international inter-laboratory<br>scoring exercise. Mutagenesis, 2016, 32, gew047.   | 2.6 | 23        |
| 61 | Cytotoxic, genotoxic and biochemical markers of insecticide toxicity evaluated in human peripheral blood lymphocytes and an HepG2 cell line. Food and Chemical Toxicology, 2016, 96, 90-106.  | 3.6 | 48        |
| 62 | Assessment of genotoxicity of Lannate-90® and its plant and animal metabolites in human lymphocyte<br>cultures. Arhiv Za Higijenu Rada I Toksikologiju, 2016, 67, 116-125.  | 0.7 | 6         |
| 63 | 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        |
| 64 | Effect of charge and surface ligand properties of silver nanoparticles on toxicity in mammalian cells<br>in vitro. Toxicology Letters, 2015, 238, S116.   | 0.8 | 0         |
| 65 | Polymorphisms in DNA repair genes: link with biomarkers of the CBMN cytome assay in hospital<br>workers chronically exposed to low doses of ionising radiation / Polimorfizmi u genima za popravak<br>DNA: poveznica s biomarkerima mikronukleus-testa u medicinskih radnika kroniÄno izloženih niskim<br>dozama ionizirajućeg zraÄenia. Arhiv Za Higijenu Rada I Toksikologiju, 2015, 66, 109-120. | 0.7 | 15        |
| 66 | DNA damage in non-communicable diseases: A clinical and epidemiological perspective. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 776, 118-127.   | 1.0 | 50        |
| 67 | A meta-analysis of biomarkers related to oxidative stress and nitric oxide pathway in migraine.<br>Cephalalgia, 2015, 35, 931-937.  | 3.9 | 61        |
| 68 | Worldwide interest in the comet assay: a bibliometric study. Mutagenesis, 2015, 30, 155-163.  | 2.6 | 52        |
| 69 | Cellular uptake and toxicity effects of silver nanoparticles in mammalian kidney cells. Journal of<br>Applied Toxicology, 2015, 35, 581-592.  | 2.8 | 122       |
| 70 | Systems Biology and Systems Medicine: The Technological Tools of the System Approaches to<br>Complexity. , 2014, 4, .   |     | 0         |
| 71 | Cholinergic Receptors as Target for Cancer Therapy in a Systems Medicine Perspective. Current Molecular Medicine, 2014, 14, 1126-1138.  | 1.3 | 39        |
| 72 | Genome damage in testicular seminoma patients seven years after radiotherapy. International Journal of Radiation Biology, 2013, 89, 928-933.  | 1.8 | 4         |

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|----|--|-----|-----------|
| 73 | Level of primary DNA damage in the early stage of metabolic syndrome. Mutation Research - Genetic<br>Toxicology and Environmental Mutagenesis, 2013, 758, 1-5.   | 1.7 | 16        |
| 74 | Evaluation of genotoxic effects of lead in pottery-glaze workers using micronucleus assay, alkaline<br>comet assay and DNA diffusion assay. International Archives of Occupational and Environmental<br>Health, 2012, 85, 807-818.                                       | 2.3 | 34        |
| 75 | Fatty liver index as an indicator of metabolic syndrome. Clinical Biochemistry, 2012, 45, 68-71.   | 1.9 | 24        |
| 76 | Su1209 Protective and Reparative Effect of Petadecapeptide BPC 157 on Mice Blood, Liver and Kidney Cells. Gastroenterology, 2012, 142, S-451.  | 1.3 | 0         |
| 77 | Genotoxicity and effects of nanosilver contamination in drinking water disinfection. Water Science<br>and Technology: Water Supply, 2012, 12, 829-836.   | 2.1 | 3         |
| 78 | Long-Term Follow-Up Study of Genome Damage Elimination in Patients with Testicular Seminoma<br>Exposed to Ionising Radiation during Radiotherapy. Arhiv Za Higijenu Rada I Toksikologiju, 2011, 62,<br>51-56.  | 0.7 | 1         |
| 79 | Evaluation of lead exposure in batteryâ€manufacturing workers with focus on different biomarkers.<br>Journal of Applied Toxicology, 2010, 30, 321-328.   | 2.8 | 27        |
| 80 | 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        |
| 81 | Blood selenium, glutathione peroxidase activity and antioxidant supplementation of subjects exposed to arsenic via drinking water. Environmental Toxicology and Pharmacology, 2010, 29, 138-143.   | 4.0 | 8         |
| 82 | Correlation between folate and vitamin Bâ,ê,, and markers of DNA stability in healthy men: preliminary<br>results. Acta Biochimica Polonica, 2010, 57, 339-45.   | 0.5 | 4         |
| 83 | The genotoxic risk in health care workers occupationally exposed to cytotoxic drugs—A<br>comprehensive evaluation by the SCE assay. Journal of Environmental Science and Health - Part A<br>Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 462-479. | 1.7 | 17        |
| 84 | Chromosome damage in workers in cigarette manufacturing industry. Journal of Applied Toxicology, 2008, 28, 399-404.  | 2.8 | 16        |
| 85 | Correlation between frequency of micronuclei and status of folate and vitamin B12 in operating theatre staff. Toxicology Letters, 2008, 180, S74.  | 0.8 | 0         |
| 86 | Correlations of blood lead in lead workers and the incidence of micronuclei. Toxicology Letters, 2007, 172, S117.  | 0.8 | 0         |
| 87 | Micronuclei and trace elements in lead workers. Toxicology Letters, 2007, 172, S119-S120.  | 0.8 | 0         |
| 88 | DNA damage in lymphocytes of lead workers determined by the alkaline comet assay. Toxicology<br>Letters, 2007, 172, S122.  | 0.8 | 1         |
| 89 | Fumonisin B1: Oxidative status and DNA damage in rats. Toxicology, 2007, 232, 163-169.   | 4.2 | 39        |
| 90 | Irinotecan Toxicity to Human Blood Cells in vitro: Relationship between Various Biomarkers. Basic and<br>Clinical Pharmacology and Toxicology, 2007, 100, 403-413.   | 2.5 | 29        |

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|----|--|-----|-----------|
| 91 | Evaluation of apoptotic activity of mercury chloride by DNA diffusion assay. Toxicology Letters, 2006, 164, S194-S195.   | 0.8 | 0         |
| 92 | Mercury chloride genotoxicity in human lymphocyte culture assessed by the alkaline comet assay.<br>Toxicology Letters, 2006, 164, S195.  | 0.8 | 1         |
| 93 | Mercury chloride genotoxicity evaluated by micronucleus test in human lymphocyte culture.<br>Toxicology Letters, 2006, 164, S195.  | 0.8 | 1         |
| 94 | Assessment of the radioprotective effects of amifostine and melatonin on human lymphocytes<br>irradiated with gamma-rays in vitro. Arhiv Za Higijenu Rada I Toksikologiju, 2006, 57, 155-63. | 0.7 | 9         |
| 95 | Evaluation of in vitro genotoxic activity of bleomycin and mitomycin C in human lymphocytes using<br>the alkaline comet assay. Arhiv Za Higijenu Rada I Toksikologiju, 2004, 55, 249-59.     | 0.7 | 2         |
| 96 | The Influence of Individual Genome Sensitivity in DNA Damage Repair Assessment in Chronic<br>Professional Exposure to Low Doses of Ionizing Radiation. , 0, , .                              |     | 6         |
| 97 | DNA Damage and Glutathione Peroxidase Activity in Liver and Kidney Cells in Wistar Rats Exposed to<br>Terbuthylazine (TERB) for 28 Consecutive Days. , 0, , .                                |     | 0         |