# Siegfried KnasmÃ¼ller

List of Publications by Year
in descending order



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|---|---|---|---|
| 224 papers | 11,788 citations | 22153 59 h-index | 34986 98 g-index |

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|---|---|---|---|
| 256 all docs | 256 docs citations | 256 times ranked | 12107 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Buccal micronucleus cytome assay. Nature Protocols, 2009, 4, 825-837. | 12.0 | 493 |
| 2 | The micronucleus assay in human buccal cells as a tool for biomonitoring DNA damage: The HUMN project perspective on current status and knowledge gaps. Mutation Research - Reviews in Mutation Research, 2008, 659, 93-108. | 5.5 | 431 |
| 3 | Use of metabolically competent human hepatoma cells for the detection of mutagens and antimutagens. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 402, 185-202. | 1.0 | 346 |
| 4 | The HUman MicroNucleus project on eXfoLiated buccal cells (HUMNXL): The role of life-style, host factors, occupational exposures, health status, and assay protocol. Mutation Research - Reviews in Mutation Research, 2011, 728, 88-97. | 5.5 | 310 |
| 5 | Single cell gel electrophoresis assay: a new technique for human biomonitoring studies. Mutation Research - Reviews in Mutation Research, 2000, 463, 13-31. | 5.5 | 309 |
| 6 | Use of human-derived liver cell lines for the detection of environmental and dietary genotoxicants; current state of knowledge. Toxicology, 2004, 198, 315-328. | 4.2 | 306 |
| 7 | Green tea extract and (â^')â€epigallocatechinâ€3â€gallate, the major tea catechin, exert oxidant but lack antioxidant activities. FASEB Journal, 2005, 19, 1-26. | 0.5 | 264 |
| 8 | Use of a human-derived liver cell line for the detection of cytoprotective, antigenotoxic and cogenotoxic agents. Toxicology, 2004, 198, 329-340. | 4.2 | 263 |
| 9 | Detection of genotoxic effects of heavy metal contaminated soils with plant bioassays. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1998, 420, 37-48. | 1.7 | 203 |
| 10 | The use of the alkaline comet assay with lymphocytes in human biomonitoring studies. Mutation Research - Reviews in Mutation Research, 2004, 566, 209-229. | 5.5 | 193 |
| 11 | The HUMN and HUMNxL international collaboration projects on human micronucleus assays in lymphocytes and buccal cells--past, present and future. Mutagenesis, 2011, 26, 239-245. | 2.6 | 165 |
| 12 | The HUMNxl scoring criteria for different cell types and nuclear anomalies in the buccal micronucleus cytome assay â€“ An update and expanded photogallery. Mutation Research - Reviews in Mutation Research, 2013, 753, 100-113. | 5.5 | 162 |
| 13 | Genotoxic effects of heavy metals: Comparative investigation with plant bioassays. Environmental and Molecular Mutagenesis, 1998, 31, 183-191. | 2.2 | 150 |
| 14 | Effects of cruciferous vegetables and their constituents on drug metabolizing enzymes involved in the bioactivation of DNA-reactive dietary carcinogens. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 480-481, 285-297. | 1.0 | 149 |
| 15 | Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. Toxicology Letters, 2012, 213, 367-373. | 0.8 | 146 |
| 16 | Evaluation of the single cell gel electrophoresis assay with human hepatoma (Hep G2) cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 468, 213-225. | 1.7 | 145 |
| 17 | Effect of Staining Procedures on the Results of Micronucleus Assays with Exfoliated Oral Mucosa Cells. Cancer Epidemiology Biomarkers and Prevention, 2006, 15, 1835-1840. | 2.5 | 144 |
| 18 | Comparative investigation of multiple organs of mice and rats in the comet assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 517, 53-75. | 1.7 | 132 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. Environmental Pollution, 2016, 219, 275-287. | 7.5 | 125 |
| 20 | Anticancer activity of the lanthanum compound [tris(1,10-phenanthroline)lanthanum(III)]trithiocyanate (KP772; FFC24). Biochemical Pharmacology, 2006, 71, 426-440. | 4.4 | 124 |
| 21 | Khat (Catha edulis) consumption causes genotoxic effects in humans. International Journal of Cancer, 2001, 92, 329-332. | 5.1 | 120 |
| 22 | Instant coffee with high chlorogenic acid levels protects humans against oxidative damage of macromolecules. Molecular Nutrition and Food Research, 2010, 54, 1722-1733. | 3.3 | 119 |
| 23 | Genotoxic effects of crude juices from Brassica vegetables and juices and extracts from phytopharmaceutical preparations and spices of cruciferous plants origin in bacterial and mammalian cells. Chemico-Biological Interactions, 1996, 102, 1-16. | 4.0 | 118 |
| 24 | Cytotoxic and DNA-damaging properties of glyphosate and Roundup in human-derived buccal epithelial cells. Archives of Toxicology, 2012, 86, 805-813. | 4.2 | 118 |
| 25 | Impact of bacteria in dairy products and of the intestinal microflora on the genotoxic and carcinogenic effects of heterocyclic aromatic amines. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2001, 480-481, 129-138. | 1.0 | 117 |
| 26 | Enhancement of Glutathione and Î³-Glutamylcysteine Synthetase, the Rate Limiting Enzyme of Glutathione Synthesis, by Chemoprotective Plant-Derived Food and Beverage Components in the Human Hepatoma Cell Line HepG2. Nutrition and Cancer, 2003, 45, 74-83. | 2.0 | 116 |
| 27 | Effects of heavy metal contamination of soils on micronucleus induction in Tradescantia and on microbial enzyme activities: a comparative investigation. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 515, 111-124. | 1.7 | 103 |
| 28 | Benzalkonium chloride (BAC) and dimethyldioctadecyl-ammonium bromide (DDAB), two common quaternary ammonium compounds, cause genotoxic effects in mammalian and plant cells at environmentally relevant concentrations. Mutagenesis, 2007, 22, 363-370. | 2.6 | 103 |
| 29 | Single-cell gel electrophoresis assays with human-derived hepatoma (Hep G2) cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1999, 441, 215-224. | 1.7 | 102 |
| 30 | Genotoxic effects of allyl isothiocyanate (AITC) and phenethyl isothiocyanate (PEITC). Chemico-Biological Interactions, 2000, 127, 163-180. | 4.0 | 102 |
| 31 | Genotoxic effects of three Fusarium mycotoxins, fumonisin B1, moniliformin and vomitoxin in bacteria and in primary cultures of rat hepatocytes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1997, 391, 39-48. | 1.7 | 101 |
| 32 | Use of conventional and -omics based methods for health claims of dietary antioxidants: a critical overview. British Journal of Nutrition, 2008, 99, ES3-ES52. | 2.3 | 101 |
| 33 | Molecular mechanisms by which in vivo exposure to exogenous chemical genotoxic agents can lead to micronucleus formation in lymphocytes in vivo and ex vivo in humans. Mutation Research - Reviews in Mutation Research, 2016, 770, 12-25. | 5.5 | 98 |
| 34 | Inhibition of the genotoxic effects of heterocyclic amines in human derived hepatoma cells by dietary bioantimutagens. Mutagenesis, 1997, 12, 297-303. | 2.6 | 96 |
| 35 | Search for Compounds That Inhibit the Genotoxic and Carcinogenic Effects of Heterocyclic Aromatic Amines. Critical Reviews in Toxicology, 2000, 30, 1-69. | 3.9 | 96 |
| 36 | Inhalative Exposure to Vanadium Pentoxide Causes DNA Damage in Workers: Results of a Multiple End Point Study. Environmental Health Perspectives, 2008, 116, 1689-1693. | 6.0 | 89 |

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|---|---|---|---|
| 37 | Chemoprevention of 2-amino-3-methylimidazo[4,5-f]quinoline (IQ)-induced colonic and hepatic preneoplastic lesions in the F344 rat by cruciferous vegetables administered simultaneously with the carcinogen. Carcinogenesis, 2003, 24, 255-261. | 2.8 | 87 |
| 38 | Genotoxic effects of benzyl isothiocyanate, a natural chemopreventive agent. Mutagenesis, 1999, 14, 595-604. | 2.6 | 86 |
| 39 | Chemoprotective effects of garden cress (Lepidium sativum) and its constituents towards 2-amino-3-methyl-imidazo[4,5-f]quinoline (IQ)-induced genotoxic effects and colonic preneoplastic lesions. Carcinogenesis, 2002, 23, 1155-1161. | 2.8 | 86 |
| 40 | Structurally Related Mycotoxins Ochratoxin A, Ochratoxin B, and Citrinin Differ in Their Genotoxic Activities and in Their Mode of Action in Human-Derived Liver (HepG2) Cells: Implications for Risk Assessment. Nutrition and Cancer, 2004, 50, 190-197. | 2.0 | 86 |
| 41 | Clinical application of micronucleus test in exfoliated buccal cells: A systematic review and metanalysis. Mutation Research - Reviews in Mutation Research, 2015, 766, 20-31. | 5.5 | 83 |
| 42 | Low doses of widely consumed cannabinoids (cannabidiol and cannabidivarin) cause DNA damage and chromosomal aberrations in human-derived cells. Archives of Toxicology, 2019, 93, 179-188. | 4.2 | 83 |
| 43 | Commentary: Critical questions, misconceptions and a road map for improving the use of the lymphocyte cytokinesis-block micronucleus assay for in vivo biomonitoring of human exposure to genotoxic chemicalsâ€"A HUMN project perspective. Mutation Research - Reviews in Mutation Research, 2014, 759, 49-58. | 5.5 | 80 |
| 44 | EGCG Prevents High Fat Diet-Induced Changes in Gut Microbiota, Decreases of DNA Strand Breaks, and Changes in Expression and DNA Methylation ofDnmt1andMLH1in C57BL/6J Male Mice. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-17. | 4.0 | 79 |
| 45 | Genotoxic effects of dietary and lifestyle related carcinogens in human derived hepatoma (HepG2,) Tj ETQq1 1 0.784314 rgBT /Overlo<br>153-166. | 1.0 | 76 |
| 46 | Coffee diterpenes prevent the genotoxic effects of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) and N-nitrosodimethylamine in a human derived liver cell line (HepG2). Food and Chemical Toxicology, 2005, 43, 433-441. | 3.6 | 76 |
| 47 | Micronuclei as biomarkers of DNA damage, aneuploidy, inducers of chromosomal hypermutation and as sources of pro-inflammatory DNA in humans. Mutation Research - Reviews in Mutation Research, 2020, 786, 108342. | 5.5 | 76 |
| 48 | Use of the lymphocyte cytokinesis-block micronucleus assay in occupational biomonitoring of genome damage caused by in vivo exposure to chemical genotoxins: Past, present and future. Mutation Research - Reviews in Mutation Research, 2016, 770, 1-11. | 5.5 | 70 |
| 49 | Protective properties of quercetin against DNA damage and oxidative stress induced by methylmercury in rats. Archives of Toxicology, 2011, 85, 1151-1157. | 4.2 | 68 |
| 50 | Impact of smoking on the frequencies of micronuclei and other nuclear abnormalities in exfoliated oral cells: a comparative study with different cigarette types. Mutagenesis, 2011, 26, 295-301. | 2.6 | 68 |
| 51 | Superoxide generation from Kupffer cells contributes to hepatocarcinogenesis: studies on NADPH oxidase knockout mice. Carcinogenesis, 2004, 26, 319-329. | 2.8 | 67 |
| 52 | DNA-protective effects of sumach (Rhus coriaria L.), a common spice: Results of human and animal studies. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 661, 10-17. | 1.0 | 67 |
| 53 | Impact of lactic acid bacteria on oxidative DNA damage in human derived colon cells. Food and Chemical Toxicology, 2008, 46, 1221-1229. | 3.6 | 65 |
| 54 | Studies on the antimutagenic activities of garlic extract. Environmental and Molecular Mutagenesis, 1989, 13, 357-365. | 2.2 | 63 |

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|---|---|---|---|
| 55 | Coffee consumption induces GSTP in plasma and protects lymphocytes against (Â±)-anti-benzo[a]pyrene-7,8-dihydrodiol-9,10-epoxide induced DNA-damage: Results of controlled human intervention trials. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 591, 264-275. | 1.0 | 63 |
| 56 | Toxic Effects of Griseofulvin: Disease Models, Mechanisms, and Risk Assessment. Critical Reviews in Toxicology, 1997, 27, 495-537. | 3.9 | 62 |
| 57 | Genotoxic and antigenotoxic effects of catechin and tannins from the bark of Hamamelis virginiana L. in metabolically competent, human hepatoma cells (Hep G2) using single cell gel electrophoresis. Phytochemistry, 2003, 63, 199-207. | 2.9 | 62 |
| 58 | Use of Plant Bioassays for the Detection of Genotoxins in the Aquatic Environment. Clean - Soil, Air, Water, 2005, 33, 45-55. | 0.6 | 62 |
| 59 | Impact of paper filtered coffee on oxidative DNA-damage: Results of a clinical trial. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 692, 42-48. | 1.0 | 61 |
| 60 | Results of micronucleus assays with individuals who are occupationally and environmentally exposed to mercury, lead and cadmium. Mutation Research - Reviews in Mutation Research, 2016, 770, 119-139. | 5.5 | 61 |
| 61 | Impact of obesity and overweight on DNA stability: Few facts and many hypotheses. Mutation Research - Reviews in Mutation Research, 2018, 777, 64-91. | 5.5 | 61 |
| 62 | Fumonisin B1 is genotoxic in human derived hepatoma (HepG2) cells. Mutagenesis, 2002, 17, 257-260. | 2.6 | 60 |
| 63 | Red mud a byproduct of aluminum production contains soluble vanadium that causes genotoxic and cytotoxic effects in higher plants. Science of the Total Environment, 2014, 493, 883-890. | 8.0 | 60 |
| 64 | Micronucleus assays with Tradescantia pollen tetrads: an update. Mutagenesis, 2011, 26, 215-221. | 2.6 | 58 |
| 65 | Use of single cell gel electrophoresis assays for the detection of DNA-protective effects of dietary factors in humans: Recent results and trends. Mutation Research - Reviews in Mutation Research, 2009, 681, 68-79. | 5.5 | 57 |
| 66 | Toxicological profiles of selected synthetic cannabinoids showing high binding affinities to the cannabinoid receptor subtype CB1. Archives of Toxicology, 2013, 87, 1287-1297. | 4.2 | 57 |
| 67 | Identification of mutagenic heterocyclic amines (IQ, Trp-P-1 and AÎ±C) in the water of the Danube River. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 466, 27-35. | 1.7 | 56 |
| 68 | State of the art survey of the buccal micronucleus assay--a first stage in the HUMNXL project initiative. Mutagenesis, 2009, 24, 295-302. | 2.6 | 56 |
| 69 | Environmental risk assessment of widely used anticancer drugs (5-fluorouracil, cisplatin, etoposide,) Tj ETQq1 1 0.784314 rgBT /Overl | 11.3 | 56 |
| 70 | Comparative Evaluation of Four Bacterial Assays for the Detection of Genotoxic Effects in the Dissolved Water Phases of Aqueous Matrices. Environmental Science & Technology, 1996, 30, 897-907. | 10.0 | 55 |
| 71 | Hydrogen peroxide mediates EGCG-induced antioxidant protection in human keratinocytes. Free Radical Biology and Medicine, 2010, 49, 1444-1452. | 2.9 | 54 |
| 72 | Xanthohumol, a prenylated flavonoid contained in beer, prevents the induction of preneoplastic lesions and DNA damage in liver and colon induced by the heterocyclic aromatic amine amino-3-methyl-imidazo[4,5-f]quinoline (IQ). Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 691, 17-22. | 1.0 | 52 |

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|---|---|---|---|
| 73 | Buccal micronucleus cytome assay: results of an intra- and inter-laboratory scoring comparison. Mutagenesis, 2015, 30, 545-555. | 2.6 | 51 |
| 74 | Genotoxic effects of heterocyclic aromatic amines in human derived hepatoma (HepG2) cells. Mutagenesis, 1999, 14, 533-540. | 2.6 | 50 |
| 75 | Consumption of Brussels sprouts protects peripheral human lymphocytes against 2â€aminoâ€1â€methylâ€6â€phenylimidazo[4,5â€b]pyridine (PhIP) and oxidative DNAâ€damage: results of a controlled human intervention trial. Molecular Nutrition and Food Research, 2008, 52, 330-341. | 3.8 | 50 |
| 76 | MSH3-Deficiency Initiates EMAST without Oncogenic Transformation of Human Colon Epithelial Cells. PLoS ONE, 2012, 7, e50541. | 2.5 | 50 |
| 77 | Investigation of the in vitro toxicological properties of the synthetic cannabimimetic drug CP-47,497-C8. Toxicology and Applied Pharmacology, 2014, 277, 164-171. | 2.8 | 50 |
| 78 | Antioxidant responses to an acute ultra-endurance exercise: impact on DNA stability and indications for an increased need for nutritive antioxidants in the early recovery phase. British Journal of Nutrition, 2010, 104, 1129-1138. | 2.3 | 49 |
| 79 | Genotoxic properties of representatives of alkylindazoles and aminoalkyl-indoles which are consumed as synthetic cannabinoids. Food and Chemical Toxicology, 2015, 80, 130-136. | 3.6 | 49 |
| 80 | Prevention of heterocyclic amine-induced DNA damage in colon and liver of rats by different lactobacillus strains. Carcinogenesis, 2003, 24, 1913-1918. | 2.8 | 48 |
| 81 | Impact of ozonation on the genotoxic activity of tertiary treated municipal wastewater. Water Research, 2011, 45, 3681-3691. | 11.3 | 48 |
| 82 | Acute toxic and genotoxic activities of widely used cytostatic drugs in higher plants: Possible impact on the environment. Environmental Research, 2014, 135, 196-203. | 7.5 | 48 |
| 83 | Potent protection of gallic acid against DNA oxidation: Results of human and animal experiments. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 715, 61-71. | 1.0 | 47 |
| 84 | The endonuclease Ankle1 requires its LEM and GIY-YIG motifs for DNA cleavage in vivo. Journal of Cell Science, 2012, 125, 1048-1057. | 2.0 | 47 |
| 85 | Synergistic Anticancer Activity of Arsenic Trioxide with Erlotinib Is Based on Inhibition of EGFR-Mediated DNA Double-Strand Break Repair. Molecular Cancer Therapeutics, 2013, 12, 1073-1084. | 4.1 | 46 |
| 86 | Vitamin E Modifies High-Fat Diet-Induced Increase of DNA Strand Breaks, and Changes in Expression and DNA Methylation of Dnmt1 and MLH1 in C57BL/6J Male Mice. Nutrients, 2017, 9, 607. | 4.1 | 46 |
| 87 | Quercetin protects human-derived liver cells against mercury-induced DNA-damage and alterations of the redox status. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 726, 109-115. | 1.7 | 45 |
| 88 | Genotoxic and Ecotoxic Effects of Groundwaters and Their Relation to Routinely Measured Chemical Parameters. Environmental Science & Technology, 1998, 32, 1799-1805. | 10.0 | 44 |
| 89 | Berberine and a Berberis lycium extract inactivate Cdc25A and induce Î±-tubulin acetylation that correlate with HL-60 cell cycle inhibition and apoptosis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 683, 123-130. | 1.0 | 44 |
| 90 | A systematic review of the association between occupational exposure to formaldehyde and effects on chromosomal DNA damage measured using the cytokinesis-block micronucleus assay in lymphocytes. Mutation Research - Reviews in Mutation Research, 2016, 770, 46-57. | 5.5 | 44 |

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|---|---|---|---|
| 91 | Musk ketone enhances benzo(a)pyrene induced mutagenicity in human derived Hep G2 cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 495, 89-96. | 1.7 | 43 |
| 92 | Binding of heterocyclic aromatic amines by lactic acid bacteria: Results of a comprehensive screening trial. Molecular Nutrition and Food Research, 2008, 52, 322-329. | 3.3 | 43 |
| 93 | Use of nasal cells in micronucleus assays and other genotoxicity studies. Mutagenesis, 2011, 26, 231-238. | 2.6 | 43 |
| 94 | Overt Increase of Oxidative Stress and DNA Damage in Murine and Human Colitis and Colitis-Associated Neoplasia. Molecular Cancer Research, 2018, 16, 634-642. | 3.4 | 43 |
| 95 | Gallic Acid Improves Healthâ€Associated Biochemical Parameters and Prevents Oxidative Damage of DNA in Type 2 Diabetes Patients: Results of a Placeboâ€Controlled Pilot Study. Molecular Nutrition and Food Research, 2018, 62, 1700482. | 3.3 | 42 |
| 96 | Ikarugamycin induces DNA damage, intracellular calcium increase, p38 MAP kinase activation and apoptosis in HL-60 human promyelocytic leukemia cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2011, 709-710, 60-66. | 1.0 | 41 |
| 97 | Xanthohumol attenuates tumour cell-mediated breaching of the lymphendothelial barrier and prevents intravasation and metastasis. Archives of Toxicology, 2013, 87, 1301-1312. | 4.2 | 41 |
| 98 | Effect of chrysin, a flavonoid compound, on the mutagenic activity of 2-amino-1-methyl-6-phenylimidazo[4,5- b ]pyridine (PhIP) and benzo(a)pyrene (B(a)P) in bacterial and human hepatoma (HepG2) cells. Archives of Toxicology, 2003, 77, 477-484. | 4.2 | 40 |
| 99 | Mutational Spectra of Salmonella typhimurium Revertants Induced by Chlorohydroxyfuranones, Byproducts of Chlorine Disinfection of Drinking Water. Chemical Research in Toxicology, 1996, 9, 374-381. | 3.3 | 39 |
| 100 | Use of primary blood cells for the assessment of exposure to occupational genotoxicants in human biomonitoring studies. Toxicology, 2004, 198, 341-350. | 4.2 | 39 |
| 101 | In situ biomonitoring of the genotoxic effects of mixed industrial emissions using the Tradescantia micronucleus and pollen abortion tests with wild life plants: Demonstration of the efficacy of emission controls in an eastern European city. Environmental Pollution, 2007, 145, 459-466. | 7.5 | 39 |
| 102 | Counteraction of Oxidative Stress by Vitamin E Affects Epigenetic Regulation by Increasing Global Methylation and Gene Expression of MLH1 and DNMT1 Dose Dependently in Caco-2 Cells. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13. | 4.0 | 39 |
| 103 | Protective effects of Brussels sprouts, oligosaccharides and fermented milk towards 2-amino-3-methylimidazo[4,5-f]quinoline (IQ)-induced genotoxicity in the human flora associated F344 rat: role of xenobiotic metabolising enzymes and intestinal microflora. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 802, 231-237. | 2.3 | 37 |
| 104 | Endurance exercise and DNA stability: Is there a link to duration and intensity?. Mutation Research - Reviews in Mutation Research, 2009, 682, 28-38. | 5.5 | 36 |
| 105 | Effects of mustard sprouts and allylisothiocyanate on benzo(a)pyrene-induced DNA damage in human-derived cells: A model study with the single cell gel electrophoresis/Hep G2 assay. Teratogenesis, Carcinogenesis, and Mutagenesis, 2003, 23, 273-282. | 0.8 | 35 |
| 106 | Genotoxic response of Austrian groundwater samples treated under standardized UV (254nm)â€"disinfection conditions in a combination of three different bioassays. Water Research, 2002, 36, 25-32. | 11.3 | 34 |
| 107 | In situ monitoring of clastogenicity of ambient air in Bratislava, Slovakia using the Tradescantia micronucleus assay and pollen abortion assays. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 605, 1-6. | 1.7 | 34 |
| 108 | Xanthohumol Prevents DNA Damage by Dietary Carcinogens: Results of a Human Intervention Trial. Cancer Prevention Research, 2017, 10, 153-160. | 1.5 | 33 |

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|---|---|---|---|
| 109 | Clastogenic effects of radiofrequency radiations on chromosomes of Tradescantia. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 324, 65-68. | 1.1 | 32 |
| 110 | Tradescantia-micronucleus assay for the assessment of the clastogenicity of Austrian water. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 426, 113-116. | 1.0 | 32 |
| 111 | Impact of xanthohumol (a prenylated flavonoid from hops) on DNA stability and other healthâ€related biochemical parameters: Results of human intervention trials. Molecular Nutrition and Food Research, 2016, 60, 773-786. | 3.3 | 32 |
| 112 | Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, inE. coli K-12 cells recovered from various organs of mice. Environmental and Molecular Mutagenesis, 1994, 24, 317-324. | 2.2 | 31 |
| 113 | No Acute and Persistent DNA Damage after an Ironman Triathlon. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 1913-1919. | 2.5 | 31 |
| 114 | Use of HuH6 and other human-derived hepatoma lines for the detection of genotoxins: a new hope for laboratory animals?. Archives of Toxicology, 2018, 92, 921-934. | 4.2 | 31 |
| 115 | Harmonisation of the micronucleus assay in human buccal cells--a Human Micronucleus (HUMN) project (www.humn.org) initiative commencing in 2007. Mutagenesis, 2006, 22, 3-4. | 2.6 | 30 |
| 116 | Micronucleus assay with urine derived cells (UDC): A review of its application in human studies investigating genotoxin exposure and bladder cancer risk. Mutation Research - Reviews in Mutation Research, 2014, 762, 37-51. | 5.5 | 30 |
| 117 | Amido Black 10B a widely used azo dye causes DNA damage in pro-Âand eukaryotic indicator cells. Chemosphere, 2019, 217, 430-436. | 8.2 | 30 |
| 118 | Dihydroxy-7-methoxy-1,4-benzoxazin-3-one (DIMBOA) and 2,4-dihydroxy-1,4-benzoxazin-3-one (DIBOA), two naturally occurring benzoxazinones contained in sprouts of Gramineae are potent aneugens in human-derived liver cells (HepG2). Cancer Letters, 2007, 246, 290-299. | 7.2 | 29 |
| 119 | Genotoxic effects of wastewater from an oncological ward. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 672, 69-75. | 1.7 | 29 |
| 120 | Effects of unconjugated bilirubin on chromosomal damage in individuals with Gilbert`s syndrome measured with the micronucleus cytome assay. Mutagenesis, 2012, 27, 731-735. | 2.6 | 28 |
| 121 | The sensitivity of biomarkers for genotoxicity and acute cytotoxicity in nasal and buccal cells of welders. International Journal of Hygiene and Environmental Health, 2014, 217, 492-498. | 4.3 | 28 |
| 122 | Assessment of genotoxicity and acute toxic effect of the imatinib mesylate in plant bioassays. Chemosphere, 2014, 115, 54-58. | 8.2 | 27 |
| 123 | mutation spectra of Glu-P-1 in Salmonella: Induction of hotspot frameshifts and site-specific base substitutions. Environmental and Molecular Mutagenesis, 1994, 24, 11-22. | 2.2 | 26 |
| 124 | Development and application of test methods for the detection of dietary constituents which protect against heterocyclic aromatic amines. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 523-524, 183-192. | 1.0 | 26 |
| 125 | Effect of common Brassica vegetables (Brussels sprouts and red cabbage) on the development of preneoplastic lesions induced by 2-amino-3-methylimidazo[4,5-f]quinoline (IQ) in liver and colon of Fischer 344 rats. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 802, 225-230. | 2.3 | 26 |
| 126 | Prevention of oxidative DNA damage in inner organs and lymphocytes of rats by green tea extract. European Journal of Nutrition, 2010, 49, 227-234. | 3.9 | 26 |

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|---|---|---|---|
| 127 | Impact of exposure to wood dust on genotoxicity and cytotoxicity in exfoliated buccal and nasal cells. Mutagenesis, 2015, 30, 701-709. | 2.6 | 26 |
| 128 | The correlations of glycated hemoglobin and carbohydrate metabolism parameters with heart rate variability in apparently healthy sedentary young male subjects. Redox Biology, 2015, 5, 301-307. | 9.0 | 26 |
| 129 | Genotoxic effects of methyl isothiocyanate. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 490, 1-9. | 1.7 | 25 |
| 130 | Use of four new human-derived liver-cell lines for the detection of genotoxic compounds in the single-cell gel electrophoresis (SCGE) assay. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 657, 133-139. | 1.7 | 25 |
| 131 | Gallic acid, a common dietary phenolic protects against high fat diet induced DNA damage. European Journal of Nutrition, 2019, 58, 2315-2326. | 3.9 | 25 |
| 132 | Well-trained, healthy triathletes experience no adverse health risks regarding oxidative stress and DNA damage by participating in an ultra-endurance event. Toxicology, 2010, 278, 211-216. | 4.2 | 24 |
| 133 | Anti-Genotoxic Potential of Bilirubin In Vivo: Damage to DNA in Hyperbilirubinemic Human and Animal Models. Cancer Prevention Research, 2013, 6, 1056-1063. | 1.5 | 24 |
| 134 | Organ-specific distribution of genotoxic effects in mice exposed to cooked food mutagens. Mutagenesis, 1992, 7, 235-241. | 2.6 | 23 |
| 135 | Bixin and norbixin protect against DNAâ€damage and alterations of redox status induced by methylmercury exposure in vivo. Environmental and Molecular Mutagenesis, 2012, 53, 535-541. | 2.2 | 23 |
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