

Siegfried Knasmüller

List of Publications by Year in descending order

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224
papers

11,788
citations

22099

59
h-index

34900

98
g-index

256
all docs

256
docs citations

256
times ranked

12107
citing authors

#	ARTICLE	IF	CITATIONS
1	Buccal micronucleus cytome assay. <i>Nature Protocols</i> , 2009, 4, 825-837.	5.5	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 659, 93-108.	2.4	431
3	Use of metabolically competent human hepatoma cells for the detection of mutagens and antimutagens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1998, 402, 185-202.	0.4	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2011, 728, 88-97.	2.4	310
5	Single cell gel electrophoresis assay: a new technique for human biomonitoring studies. <i>Mutation Research - Reviews in Mutation Research</i> , 2000, 463, 13-31.	2.4	309
6	Use of human-derived liver cell lines for the detection of environmental and dietary genotoxicants; current state of knowledge. <i>Toxicology</i> , 2004, 198, 315-328.	2.0	306
7	Green tea extract and (âˆ)â€epigallocatechinâ€gallate, the major tea catechin, exert oxidant but lack antioxidant activities. <i>FASEB Journal</i> , 2005, 19, 1-26.	0.2	264
8	Use of a human-derived liver cell line for the detection of cytoprotective, antigenotoxic and cogenotoxic agents. <i>Toxicology</i> , 2004, 198, 329-340.	2.0	263
9	Detection of genotoxic effects of heavy metal contaminated soils with plant bioassays. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 420, 37-48.	0.9	203
10	The use of the alkaline comet assay with lymphocytes in human biomonitoring studies. <i>Mutation Research - Reviews in Mutation Research</i> , 2004, 566, 209-229.	2.4	193
11	The HUMN and HUMNxl international collaboration projects on human micronucleus assays in lymphocytes and buccal cells–past, present and future. <i>Mutagenesis</i> , 2011, 26, 239-245.	1.0	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2013, 753, 100-113.	2.4	162
13	Genotoxic effects of heavy metals: Comparative investigation with plant bioassays. <i>Environmental and Molecular Mutagenesis</i> , 1998, 31, 183-191.	0.9	150
14	Effects of cruciferous vegetables and their constituents on drug metabolizing enzymes involved in the bioactivation of DNA-reactive dietary carcinogens. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 480-481, 285-297.	0.4	149
15	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , 2012, 213, 367-373.	0.4	146
16	Evaluation of the single cell gel electrophoresis assay with human hepatoma (Hep G2) cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 468, 213-225.	0.9	145
17	Effect of Staining Procedures on the Results of Micronucleus Assays with Exfoliated Oral Mucosa Cells. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 1835-1840.	1.1	144
18	Comparative investigation of multiple organs of mice and rats in the comet assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 517, 53-75.	0.9	132

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19	Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. <i>Environmental Pollution</i> , 2016, 219, 275-287.	3.7	125
20	Anticancer activity of the lanthanum compound [tris(1,10-phenanthroline)lanthanum(III)]trithiocyanate (KP772; FFC24). <i>Biochemical Pharmacology</i> , 2006, 71, 426-440.	2.0	124
21	Khat (<i>Catha edulis</i>) consumption causes genotoxic effects in humans. <i>International Journal of Cancer</i> , 2001, 92, 329-332.	2.3	120
22	Instant coffee with high chlorogenic acid levels protects humans against oxidative damage of macromolecules. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 1722-1733.	1.5	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. <i>Chemico-Biological Interactions</i> , 1996, 102, 1-16.	1.7	118
24	Cytotoxic and DNA-damaging properties of glyphosate and Roundup in human-derived buccal epithelial cells. <i>Archives of Toxicology</i> , 2012, 86, 805-813.	1.9	118
25	Impact of bacteria in dairy products and of the intestinal microflora on the genotoxic and carcinogenic effects of heterocyclic aromatic amines. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2001, 480-481, 129-138.	0.4	117
26	Enhancement of Glutathione and $\hat{3}$ -Glutamylcysteine Synthetase, the Rate Limiting Enzyme of Glutathione Synthesis, by Chemoprotective Plant-Derived Food and Beverage Components in the Human Hepatoma Cell Line HepG2. <i>Nutrition and Cancer</i> , 2003, 45, 74-83.	0.9	116
27	Effects of heavy metal contamination of soils on micronucleus induction in <i>Tradescantia</i> and on microbial enzyme activities: a comparative investigation. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 515, 111-124.	0.9	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. <i>Mutagenesis</i> , 2007, 22, 363-370.	1.0	103
29	Single-cell gel electrophoresis assays with human-derived hepatoma (Hep G2) cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 441, 215-224.	0.9	102
30	Genotoxic effects of allyl isothiocyanate (AITC) and phenethyl isothiocyanate (PEITC). <i>Chemico-Biological Interactions</i> , 2000, 127, 163-180.	1.7	102
31	Genotoxic effects of three <i>Fusarium</i> mycotoxins, fumonisin B1, moniliformin and vomitoxin in bacteria and in primary cultures of rat hepatocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997, 391, 39-48.	0.9	101
32	Use of conventional and -omics based methods for health claims of dietary antioxidants: a critical overview. <i>British Journal of Nutrition</i> , 2008, 99, ES3-ES52.	1.2	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 12-25.	2.4	98
34	Inhibition of the genotoxic effects of heterocyclic amines in human derived hepatoma cells by dietary bioantimutagens. <i>Mutagenesis</i> , 1997, 12, 297-303.	1.0	96
35	Search for Compounds That Inhibit the Genotoxic and Carcinogenic Effects of Heterocyclic Aromatic Amines. <i>Critical Reviews in Toxicology</i> , 2000, 30, 1-69.	1.9	96
36	Inhalative Exposure to Vanadium Pentoxide Causes DNA Damage in Workers: Results of a Multiple End Point Study. <i>Environmental Health Perspectives</i> , 2008, 116, 1689-1693.	2.8	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. <i>Carcinogenesis</i> , 2003, 24, 255-261.	1.3	87
38	Genotoxic effects of benzyl isothiocyanate, a natural chemopreventive agent. <i>Mutagenesis</i> , 1999, 14, 595-604.	1.0	86
39	Chemoprotective effects of garden cress (<i>Lepidium sativum</i>) and its constituents towards 2-amino-3-methylimidazo[4,5-f]quinoline (IQ)-induced genotoxic effects and colonic preneoplastic lesions. <i>Carcinogenesis</i> , 2002, 23, 1155-1161.	1.3	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. <i>Nutrition and Cancer</i> , 2004, 50, 190-197.	0.9	86
41	Clinical application of micronucleus test in exfoliated buccal cells: A systematic review and meta-analysis. <i>Mutation Research - Reviews in Mutation Research</i> , 2015, 766, 20-31.	2.4	83
42	Low doses of widely consumed cannabinoids (cannabidiol and cannabidivarin) cause DNA damage and chromosomal aberrations in human-derived cells. <i>Archives of Toxicology</i> , 2019, 93, 179-188.	1.9	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 chemicals – A HUMN project perspective. <i>Mutation Research - Reviews in Mutation Research</i> , 2014, 759, 49-58.	2.4	80
44	EGCG Prevents High Fat Diet-Induced Changes in Gut Microbiota, Decreases of DNA Strand Breaks, and Changes in Expression and DNA Methylation of <i>Dnmt1</i> and <i>MLH1</i> in C57BL/6J Male Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-17.	1.9	79
45	Genotoxic effects of dietary and lifestyle related carcinogens in human derived hepatoma (HepG2), Tj ETQq1 1 0.784314 rgBT /Overl... 153-166.	0.4	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). <i>Food and Chemical Toxicology</i> , 2005, 43, 433-441.	1.8	76
47	Micronuclei as biomarkers of DNA damage, aneuploidy, inducers of chromosomal hypermutation and as sources of pro-inflammatory DNA in humans. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 786, 108342.	2.4	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 1-11.	2.4	70
49	Protective properties of quercetin against DNA damage and oxidative stress induced by methylmercury in rats. <i>Archives of Toxicology</i> , 2011, 85, 1151-1157.	1.9	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. <i>Mutagenesis</i> , 2011, 26, 295-301.	1.0	68
51	Superoxide generation from Kupffer cells contributes to hepatocarcinogenesis: studies on NADPH oxidase knockout mice. <i>Carcinogenesis</i> , 2004, 26, 319-329.	1.3	67
52	DNA-protective effects of sumach (<i>Rhus coriaria</i> L.), a common spice: Results of human and animal studies. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 661, 10-17.	0.4	67
53	Impact of lactic acid bacteria on oxidative DNA damage in human derived colon cells. <i>Food and Chemical Toxicology</i> , 2008, 46, 1221-1229.	1.8	65
54	Studies on the antimutagenic activities of garlic extract. <i>Environmental and Molecular Mutagenesis</i> , 1989, 13, 357-365.	0.9	63

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55	Coffee consumption induces GSTP in plasma and protects lymphocytes against (A±)-anti-benzo[a]pyrene-7,8-dihydrodiol-9,10-epoxide induced DNA-damage: Results of controlled human intervention trials. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2005, 591, 264-275.	0.4	63
56	Toxic Effects of Griseofulvin: Disease Models, Mechanisms, and Risk Assessment. <i>Critical Reviews in Toxicology</i> , 1997, 27, 495-537.	1.9	62
57	Genotoxic and antigenotoxic effects of catechin and tannins from the bark of <i>Hamamelis virginiana</i> L. in metabolically competent, human hepatoma cells (Hep G2) using single cell gel electrophoresis. <i>Phytochemistry</i> , 2003, 63, 199-207.	1.4	62
58	Use of Plant Bioassays for the Detection of Genotoxins in the Aquatic Environment. <i>Clean - Soil, Air, Water</i> , 2005, 33, 45-55.	0.8	62
59	Impact of paper filtered coffee on oxidative DNA-damage: Results of a clinical trial. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 692, 42-48.	0.4	61
60	Results of micronucleus assays with individuals who are occupationally and environmentally exposed to mercury, lead and cadmium. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 119-139.	2.4	61
61	Impact of obesity and overweight on DNA stability: Few facts and many hypotheses. <i>Mutation Research - Reviews in Mutation Research</i> , 2018, 777, 64-91.	2.4	61
62	Fumonisin B1 is genotoxic in human derived hepatoma (HepG2) cells. <i>Mutagenesis</i> , 2002, 17, 257-260.	1.0	60
63	Red mud a byproduct of aluminum production contains soluble vanadium that causes genotoxic and cytotoxic effects in higher plants. <i>Science of the Total Environment</i> , 2014, 493, 883-890.	3.9	60
64	Micronucleus assays with <i>Tradescantia</i> pollen tetrads: an update. <i>Mutagenesis</i> , 2011, 26, 215-221.	1.0	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2009, 681, 68-79.	2.4	57
66	Toxicological profiles of selected synthetic cannabinoids showing high binding affinities to the cannabinoid receptor subtype CB1. <i>Archives of Toxicology</i> , 2013, 87, 1287-1297.	1.9	57
67	Identification of mutagenic heterocyclic amines (IQ, Trp-P-1 and A±C) in the water of the Danube River. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 466, 27-35.	0.9	56
68	State of the art survey of the buccal micronucleus assay--a first stage in the HUMNXL project initiative. <i>Mutagenesis</i> , 2009, 24, 295-302.	1.0	56
69	Environmental risk assessment of widely used anticancer drugs (5-fluorouracil, cisplatin, etoposide,) Tj ETQq1 1 0.784314 rgBT /Overl	5.3	56
70	Comparative Evaluation of Four Bacterial Assays for the Detection of Genotoxic Effects in the Dissolved Water Phases of Aqueous Matrices. <i>Environmental Science & Technology</i> , 1996, 30, 897-907.	4.6	55
71	Hydrogen peroxide mediates EGCG-induced antioxidant protection in human keratinocytes. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1444-1452.	1.3	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). <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 691, 17-22.	0.4	52

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73	Buccal micronucleus cytome assay: results of an intra- and inter-laboratory scoring comparison. <i>Mutagenesis</i> , 2015, 30, 545-555.	1.0	51
74	Genotoxic effects of heterocyclic aromatic amines in human derived hepatoma (HepG2) cells. <i>Mutagenesis</i> , 1999, 14, 533-540.	1.0	50
75	Consumption of Brussels sprouts protects peripheral human lymphocytes against 2-aminomethylphenylimidazo[4,5-b]pyridine (PhIP) and oxidative DNA damage: results of a controlled human intervention trial. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 330-341.		50
76	MSH3-Deficiency Initiates EMAST without Oncogenic Transformation of Human Colon Epithelial Cells. <i>PLoS ONE</i> , 2012, 7, e50541.	1.1	50
77	Investigation of the in vitro toxicological properties of the synthetic cannabimimetic drug CP-47,497-C8. <i>Toxicology and Applied Pharmacology</i> , 2014, 277, 164-171.	1.3	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. <i>British Journal of Nutrition</i> , 2010, 104, 1129-1138.	1.2	49
79	Genotoxic properties of representatives of alkylindazoles and aminoalkyl-indoles which are consumed as synthetic cannabinoids. <i>Food and Chemical Toxicology</i> , 2015, 80, 130-136.	1.8	49
80	Prevention of heterocyclic amine-induced DNA damage in colon and liver of rats by different lactobacillus strains. <i>Carcinogenesis</i> , 2003, 24, 1913-1918.	1.3	48
81	Impact of ozonation on the genotoxic activity of tertiary treated municipal wastewater. <i>Water Research</i> , 2011, 45, 3681-3691.	5.3	48
82	Acute toxic and genotoxic activities of widely used cytostatic drugs in higher plants: Possible impact on the environment. <i>Environmental Research</i> , 2014, 135, 196-203.	3.7	48
83	Potent protection of gallic acid against DNA oxidation: Results of human and animal experiments. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 715, 61-71.	0.4	47
84	The endonuclease Ankle1 requires its LEM and GIY-YIG motifs for DNA cleavage in vivo. <i>Journal of Cell Science</i> , 2012, 125, 1048-1057.	1.2	47
85	Synergistic Anticancer Activity of Arsenic Trioxide with Erlotinib Is Based on Inhibition of EGFR-Mediated DNA Double-Strand Break Repair. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1073-1084.	1.9	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. <i>Nutrients</i> , 2017, 9, 607.	1.7	46
87	Quercetin protects human-derived liver cells against mercury-induced DNA-damage and alterations of the redox status. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 726, 109-115.	0.9	45
88	Genotoxic and Ecotoxic Effects of Groundwaters and Their Relation to Routinely Measured Chemical Parameters. <i>Environmental Science & Technology</i> , 1998, 32, 1799-1805.	4.6	44
89	Berberine and a Berberis lycium extract inactivate Cdc25A and induce α -tubulin acetylation that correlate with HL-60 cell cycle inhibition and apoptosis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 683, 123-130.	0.4	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. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 46-57.	2.4	44

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91	Musk ketone enhances benzo(a)pyrene induced mutagenicity in human derived Hep G2 cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 495, 89-96.	0.9	43
92	Binding of heterocyclic aromatic amines by lactic acid bacteria: Results of a comprehensive screening trial. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 322-329.	1.5	43
93	Use of nasal cells in micronucleus assays and other genotoxicity studies. <i>Mutagenesis</i> , 2011, 26, 231-238.	1.0	43
94	Overt Increase of Oxidative Stress and DNA Damage in Murine and Human Colitis and Colitis-Associated Neoplasia. <i>Molecular Cancer Research</i> , 2018, 16, 634-642.	1.5	43
95	Gallic Acid Improves Health-Associated Biochemical Parameters and Prevents Oxidative Damage of DNA in Type 2 Diabetes Patients: Results of a Placebo-Controlled Pilot Study. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700482.	1.5	42
96	Ikarugamycin induces DNA damage, intracellular calcium increase, p38 MAP kinase activation and apoptosis in HL-60 human promyelocytic leukemia cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 709-710, 60-66.	0.4	41
97	Xanthohumol attenuates tumour cell-mediated breaching of the lymphendothelial barrier and prevents intravasation and metastasis. <i>Archives of Toxicology</i> , 2013, 87, 1301-1312.	1.9	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. <i>Archives of Toxicology</i> , 2003, 77, 477-484.	1.9	40
99	Mutational Spectra of Salmonella typhimurium Revertants Induced by Chlorohydroxyfuranones, Byproducts of Chlorine Disinfection of Drinking Water. <i>Chemical Research in Toxicology</i> , 1996, 9, 374-381.	1.7	39
100	Use of primary blood cells for the assessment of exposure to occupational genotoxicants in human biomonitoring studies. <i>Toxicology</i> , 2004, 198, 341-350.	2.0	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. <i>Environmental Pollution</i> , 2007, 145, 459-466.	3.7	39
102	Counteraction of Oxidative Stress by Vitamin E Affects Epigenetic Regulation by Increasing Global Methylation and Gene Expression of <i>MLH1</i> and <i>DNMT1</i> Dose Dependently in Caco-2 Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-13.	1.9	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 802, 231-237.	1.2	37
104	Endurance exercise and DNA stability: Is there a link to duration and intensity?. <i>Mutation Research - Reviews in Mutation Research</i> , 2009, 682, 28-38.	2.4	36
105	Effects of mustard sprouts and allylthiocyanate on benzo(a)pyrene-induced DNA damage in human-derived cells: A model study with the single cell gel electrophoresis/Hep G2 assay. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 2003, 23, 273-282.	0.8	35
106	Genotoxic response of Austrian groundwater samples treated under standardized UV (254nm) disinfection conditions in a combination of three different bioassays. <i>Water Research</i> , 2002, 36, 25-32.	5.3	34
107	In situ monitoring of clastogenicity of ambient air in Bratislava, Slovakia using the Tradescantia micronucleus assay and pollen abortion assays. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2006, 605, 1-6.	0.9	34
108	Xanthohumol Prevents DNA Damage by Dietary Carcinogens: Results of a Human Intervention Trial. <i>Cancer Prevention Research</i> , 2017, 10, 153-160.	0.7	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.	1.2	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.	0.4	32
111	Impact of xanthohumol (a prenylated flavonoid from hops) on DNA stability and other health-related biochemical parameters: Results of human intervention trials. Molecular Nutrition and Food Research, 2016, 60, 773-786.	1.5	32
112	Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, in E. coli K-12 cells recovered from various organs of mice. Environmental and Molecular Mutagenesis, 1994, 24, 317-324.	0.9	31
113	No Acute and Persistent DNA Damage after an Ironman Triathlon. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 1913-1919.	1.1	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.	1.9	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.	1.0	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.	2.4	30
117	Amido Black 10B a widely used azo dye causes DNA damage in pro- and eukaryotic indicator cells. Chemosphere, 2019, 217, 430-436.	4.2	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.	3.2	29
119	Genotoxic effects of wastewater from an oncological ward. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 672, 69-75.	0.9	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.	1.0	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.	2.1	28
122	Assessment of genotoxicity and acute toxic effect of the imatinib mesylate in plant bioassays. Chemosphere, 2014, 115, 54-58.	4.2	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.	0.9	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.	0.4	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.	1.2	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.	1.8	26

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127	Impact of exposure to wood dust on genotoxicity and cytotoxicity in exfoliated buccal and nasal cells. <i>Mutagenesis</i> , 2015, 30, 701-709.	1.0	26
128	The correlations of glycated hemoglobin and carbohydrate metabolism parameters with heart rate variability in apparently healthy sedentary young male subjects. <i>Redox Biology</i> , 2015, 5, 301-307.	3.9	26
129	Genotoxic effects of methyl isothiocyanate. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 490, 1-9.	0.9	25
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