

# Siegfried Knasmüller

## 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

256  
all docs

256  
docs citations

256  
times ranked

12107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of DNA damage as a consequence of occupational exposure to crystalline silica: A review and meta-analysis. Mutation Research - Reviews in Mutation Research, 2021, 787, 108349.	5.5	7
2	Impact of infections, preneoplasia and cancer on micronucleus formation in urothelial and cervical cells: A systematic review. Mutation Research - Reviews in Mutation Research, 2021, 787, 108361.	5.5	9
3	The Single-Cell Gel Electrophoresis Genotoxin Sensitivity. Methods in Molecular Biology, 2021, 2240, 1-12.	0.9	0
4	“Micronuclei and Disease” special issue: Aims, scope, and synthesis of outcomes. Mutation Research - Reviews in Mutation Research, 2021, 788, 108384.	5.5	21
5	Micronucleus assays with the human derived liver cell line (Huh6): A promising approach to reduce the use of laboratory animals in genetic toxicology. Food and Chemical Toxicology, 2021, 154, 112355.	3.6	3
6	Investigations concerning the impact of consumption of hot beverages on acute cytotoxic and genotoxic effects in oral mucosa cells. Scientific Reports, 2021, 11, 23014.	3.3	3
7	USE OF MICRONUCLEUS EXPERIMENTS FOR THE DETECTION OF HUMAN CANCER RISKS: A BRIEF OVERVIEW. Proceedings of the Shevchenko Scientific Society Medical Sciences, 2021, 65, .	0.3	4
8	Chromosomal stability in buccal cells was linked to age but not affected by exercise and nutrients - Vienna Active Ageing Study (VAAS), a randomized controlled trial. Redox Biology, 2020, 28, 101362.	9.0	11
9	Impact of nicotine-induced green tobacco sickness on DNA damage and the relation with symptoms and alterations of redox status in tobacco farmers. Ecotoxicology and Environmental Safety, 2020, 206, 111397.	6.0	9
10	Genotoxic activities of wastewater after ozonation and activated carbon filtration: Different effects in liver-derived cells and bacterial indicators. Water Research, 2020, 186, 116328.	11.3	8
11	Genotoxic properties of materials used for endoprostheses: Experimental and human data. Food and Chemical Toxicology, 2020, 145, 111707.	3.6	1
12	Use of micronucleus assays for the prediction and detection of cervical cancer: a meta-analysis. Carcinogenesis, 2020, 41, 1318-1328.	2.8	14
13	Response to letter to the editor. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2020, 83, 766-768.	2.3	1
14	p53 Loss Mediates Hypersensitivity to ETS Transcription Factor Inhibition Based on PARylation-Mediated Cell Death Induction. Cancers, 2020, 12, 3205.	3.7	8
15	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
16	Smoking causes induction of micronuclei and other nuclear anomalies in cervical cells. International Journal of Hygiene and Environmental Health, 2020, 226, 113492.	4.3	10
17	Feed-back loops integrating RELA, SOX18 and FAK mediate the break-down of the lymph-endothelial barrier that is triggered by 12(S)-HETE. International Journal of Oncology, 2020, 56, 1034-1044.	3.3	2
18	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

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19	Environmental risk assessment of widely used anticancer drugs (5-fluorouracil, cisplatin, etoposide,) Tj ETQq1 1 0.784314 rgBT /Overl	11.3	56
20	Induction of chromosomal damage in exfoliated buccal and nasal cells of road markers. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2019, 82, 969-976.	2.3	13
21	Use of human derived liver cells for the detection of genotoxins in comet assays. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 845, 402995.	1.7	15
22	Impact of Weight Loss Strategies on Obesity-Induced DNA Damage. Molecular Nutrition and Food Research, 2019, 63, 1900045.	3.3	17
23	Methamphetamine (α-crystal meth) causes induction of DNA damage and chromosomal aberrations in human derived cells. Food and Chemical Toxicology, 2019, 128, 1-7.	3.6	17
24	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
25	Amido Black 10B a widely used azo dye causes DNA damage in pro- and eukaryotic indicator cells. Chemosphere, 2019, 217, 430-436.	8.2	30
26	Cytome micronucleus assays with a metabolically competent human derived liver cell line (Huh6): A promising approach for routine testing of chemicals?. Environmental and Molecular Mutagenesis, 2019, 60, 134-144.	2.2	9
27	Micronucleus Assay with Tetrad Cells of Tradescantia. Methods in Molecular Biology, 2019, 2031, 325-335.	0.9	3
28	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
29	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
30	Identification of PMN-released mutagenic factors in a co-culture model for colitis-associated cancer. Carcinogenesis, 2018, 39, 146-157.	2.8	10
31	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. Molecular Nutrition and Food Research, 2018, 62, 1700482.	3.3	42
32	A Helicobacter pylori-associated insulin resistance in asymptomatic sedentary young men does not correlate with inflammatory markers and urine levels of 8-iso-PGF2-1± or 1,4-dihydroxynonane mercapturic acid. Archives of Physiology and Biochemistry, 2018, 124, 275-285.	2.1	12
33	Mobile phone specific electromagnetic fields induce transient DNA damage and nucleotide excision repair in serum-deprived human glioblastoma cells. PLoS ONE, 2018, 13, e0193677.	2.5	14
34	Impact of extended working periods on genomic and telomeric DNA and on inflammatory markers: Results of an intervention study with office workers and carpenters. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 78-81.	1.7	3
35	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. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	4.0	39
36	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

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37	Association of Genomic Instability with HbA1c levels and Medication in Diabetic Patients. Scientific Reports, 2017, 7, 41985.	3.3	19
38	Xanthohumol Prevents DNA Damage by Dietary Carcinogens: Results of a Human Intervention Trial. Cancer Prevention Research, 2017, 10, 153-160.	1.5	33
39	Evaluation of the potential of mobile phone specific electromagnetic fields (UMTS) to produce micronuclei in human glioblastoma cell lines. Toxicology in Vitro, 2017, 40, 264-271.	2.4	13
40	Genotoxic and Cytotoxic Effects in Exfoliated Buccal and Nasal Cells of Chromium and Cobalt Exposed Electroplaters. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 651-660.	2.3	14
41	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
42	Effects of Î²-Carotene and Its Cleavage Products in Primary Pneumocyte Type II Cells. Antioxidants, 2017, 6, 37.	5.1	14
43	EGCG Prevents High Fat Diet-Induced Changes in Gut Microbiota, Decreases of DNA Strand Breaks, and Changes in Expression and DNA Methylation of Dnmt1 and MLH1 in C57BL/6J Male Mice. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-17.	4.0	79
44	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
45	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
46	Inter-laboratory consistency and variability in the buccal micronucleus cytome assay depends on biomarker scored and laboratory experience: results from the HUMNxl international inter-laboratory scoring exercise. Mutagenesis, 2016, 32, gew047.	2.6	23
47	The Tradescantia micronucleus assay is a highly sensitive tool for the detection of low levels of radioactivity in environmental samples. Environmental Pollution, 2016, 219, 1044-1048.	7.5	8
48	Investigations of the genotoxic properties of two synthetic cathinones (3-MMC, 4-MEC) which are used as psychoactive drugs. Toxicology Research, 2016, 5, 1410-1420.	2.1	6
49	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
50	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
51	Cytotoxic and genotoxic activities of waters and sediments from highway and parking lot runoffs. Water Science and Technology, 2016, 73, 2772-2780.	2.5	9
52	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
53	Genotoxic properties of XLR-11, a widely consumed synthetic cannabinoid, and of the benzoyl indole RCS-4. Archives of Toxicology, 2016, 90, 3111-3123.	4.2	15
54	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.	3.3	32

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55	Analyses of combined effects of cytostatic drugs on micronucleus formation in the Tradescantia. Environmental Science and Pollution Research, 2016, 23, 14762-14770.	5.3	13
56	Impact of a synthetic cannabinoid (CP-47,497-C8) on protein expression in human cells: evidence for induction of inflammation and DNA damage. Archives of Toxicology, 2016, 90, 1369-1382.	4.2	20
57	Impact of common cytostatic drugs on pollen fertility in higher plants. Environmental Science and Pollution Research, 2016, 23, 14730-14738.	5.3	9
58	Use of Single-cell Gel Electrophoresis Assays in Dietary Intervention Trials. Issues in Toxicology, 2016, , 314-353.	0.1	3
59	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
60	Impact of exposure to wood dust on genotoxicity and cytotoxicity in exfoliated buccal and nasal cells. Mutagenesis, 2015, 30, 701-709.	2.6	26
61	Protective Effects of Coffee Against Induction of DNA Damage and Cancer by Aflatoxin B1. , 2015, , 587-596.		0
62	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
63	Nuclear anomalies in exfoliated buccal cells in Pakistani cotton weavers. Mutagenesis, 2015, 30, 613-619.	2.6	15
64	Buccal micronucleus cytome assay: results of an intra- and inter-laboratory scoring comparison. Mutagenesis, 2015, 30, 545-555.	2.6	51
65	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
66	Proteomic and Metabolomic Analyses Reveal Contrasting Anti-Inflammatory Effects of an Extract of Mucor Racemosus Secondary Metabolites Compared to Dexamethasone. PLoS ONE, 2015, 10, e0140367.	2.5	4
67	Protective effects of coffee against induction of <sc>DNA</sc> damage and preâ€œneoplastic foci by aflatoxin <sc>B</sc><sub>1</sub>. Molecular Nutrition and Food Research, 2014, 58, 229-238.	3.3	23
68	Assessment of genotoxicity and acute toxic effect of the imatinib mesylate in plant bioassays. Chemosphere, 2014, 115, 54-58.	8.2	27
69	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
70	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€œA HUMN project perspective. Mutation Research - Reviews in Mutation Research, 2014, 759, 49-58.	5.5	80
71	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
72	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

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73	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.	7.5	48
74	Nuclear anomalies in exfoliated buccal cells in healthy and diabetic individuals and the impact of a dietary intervention. <i>Mutagenesis</i> , 2014, 29, 1-6.	2.6	22
75	Micronucleus assay with urine derived cells (UDC): A review of its application in human studies investigating genotoxin exposure and bladder cancer risk. <i>Mutation Research - Reviews in Mutation Research</i> , 2014, 762, 37-51.	5.5	30
76	Xanthohumol attenuates tumour cell-mediated breaching of the lymphendothelial barrier and prevents intravasation and metastasis. <i>Archives of Toxicology</i> , 2013, 87, 1301-1312.	4.2	41
77	Induction of nuclear anomalies in exfoliated buccal cells of coca chewers: results of a field study. <i>Archives of Toxicology</i> , 2013, 87, 529-534.	4.2	13
78	Micronucleus Assay with Tetrad Cells of <i>Tradescantia</i> . <i>Methods in Molecular Biology</i> , 2013, 1044, 405-415.	0.9	3
79	The HUMNxl scoring criteria for different cell types and nuclear anomalies in the buccal micronucleus cytome assay – An update and expanded photogallery. <i>Mutation Research - Reviews in Mutation Research</i> , 2013, 753, 100-113.	5.5	162
80	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.	4.2	57
81	Formation of micronuclei and other nuclear anomalies in exfoliated nasal and oral cells: Results of a human study with workers in a power plant processing poultry litter. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 82-87.	4.3	20
82	Anti-Genotoxic Potential of Bilirubin <i>In Vivo</i> : Damage to DNA in Hyperbilirubinemic Human and Animal Models. <i>Cancer Prevention Research</i> , 2013, 6, 1056-1063.	1.5	24
83	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.	4.1	46
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.	2.0	47
85	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , 2012, 213, 367-373.	0.8	146
86	Introduction of the use of software for the detection of plagiarism. <i>Food and Chemical Toxicology</i> , 2012, 50, 2255.	3.6	0
87	The need for proper chemical characterization of test substances in papers submitted to Food and Chemical Toxicology. <i>Food and Chemical Toxicology</i> , 2012, 50, 2589-2590.	3.6	0
88	Bixin and norbixin protect against DNA damage and alterations of redox status induced by methylmercury exposure in vivo. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 535-541.	2.2	23
89	Effects of unconjugated bilirubin on chromosomal damage in individuals with Gilbert's syndrome measured with the micronucleus cytome assay. <i>Mutagenesis</i> , 2012, 27, 731-735.	2.6	28
90	Intake of a resveratrol-containing dietary supplement has no impact on DNA stability in healthy subjects. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 749, 82-86.	1.7	19

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91	MSH3-Deficiency Initiates EMAST without Oncogenic Transformation of Human Colon Epithelial Cells. PLoS ONE, 2012, 7, e50541.	2.5	50
92	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
93	Use of nasal cells in micronucleus assays and other genotoxicity studies. Mutagenesis, 2011, 26, 231-238.	2.6	43
94	Genotoxic effects of occupational exposure measured in lymphocytes of waste-incinerator workers. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 720, 3-7.	1.7	19
95	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
96	Impact of ozonation on the genotoxic activity of tertiary treated municipal wastewater. Water Research, 2011, 45, 3681-3691.	11.3	48
97	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
98	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
99	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
100	Impact of spinach consumption on DNA stability in peripheral lymphocytes and on biochemical blood parameters: results of a human intervention trial. European Journal of Nutrition, 2011, 50, 587-594.	3.9	18
101	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
102	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
103	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
104	Micronucleus assays with Tradescantia pollen tetrads: an update. Mutagenesis, 2011, 26, 215-221.	2.6	58
105	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
106	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
107	Berberine and a Berberis lycium extract inactivate Cdc25A and induce $\alpha$ -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
108	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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109	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
110	Hydrogen peroxide mediates EGCG-induced antioxidant protection in human keratinocytes. Free Radical Biology and Medicine, 2010, 49, 1444-1452.	2.9	54
111	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
112	Aneugenic 2,4-dihydroxy-7-methoxy-1,4-benzoxazin-3-one (DIMBOA) and 2,4-dihydroxy-1,4-benzoxazin-3-one (DIBOA) in sprouts of Triticum aestivum cultivars "A" safety health food™?. Food Chemistry, 2010, 121, 973-979.	8.2	6
113	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
114	Testing for Food Safety Using Competent Human Liver Cells. , 2010, , 125-138.		0
115	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
116	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
117	Buccal micronucleus cytochrome assay. Nature Protocols, 2009, 4, 825-837.	12.0	493
118	DNA damage in response to an Ironman triathlon. Free Radical Research, 2009, 43, 753-760.	3.3	19
119	Genotoxic effects of wastewater from an oncological ward. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2009, 672, 69-75.	1.7	29
120	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
121	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
122	Chapter 11. Comet Assays in Dietary Intervention Trials. Issues in Toxicology, 2009, , 267-296.	0.1	3
123	Proteome alterations induced in human white blood cells by consumption of Brussels sprouts: Results of a pilot intervention study. Proteomics - Clinical Applications, 2008, 2, 108-117.	1.6	17
124	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
125	Consumption of Brussels sprouts protects peripheral human lymphocytes against 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) and oxidative DNA damage: results of a controlled human intervention trial. Molecular Nutrition and Food Research, 2008, 52, 330-341.	3.3	50
126	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



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127	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
128	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
129	Investigations concerning the long term effects of dietary factors on human health: Current topics, methods and new concepts. Food and Chemical Toxicology, 2008, 46, 1211-1212.	3.6	2
130	No Acute and Persistent DNA Damage after an Ironman Triathlon. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 1913-1919.	2.5	31
131	An Overview of Single-Cell Gel Electrophoresis-Based Dietary Human Intervention Trials for the Detection of DNA Protective Food Components. ACS Symposium Series, 2008, , 18-26.	0.5	0
132	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
133	Genomic effects of phytochemicals and their implication in the maintenance of health. British Journal of Nutrition, 2008, 99, ES1-ES2.	2.3	12
134	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
135	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
136	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
137	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
138	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
139	Anticancer activity of the lanthanum compound [tris(1,10-phenanthroline)lanthanum(III)]trithiocyanate (KP772; FFC24). Biochemical Pharmacology, 2006, 71, 426-440.	4.4	124
140	Genotoxicity of nitrosulfonic acids, nitrobenzoic acids, and nitrobenzylalcohols, pollutants commonly found in ground water near ammunition facilities. Environmental and Molecular Mutagenesis, 2006, 47, 95-106.	2.2	22
141	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
142	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
143	Coffee consumption induces GSTP in plasma and protects lymphocytes against (Å±)-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
144	Use of Plant Bioassays for the Detection of Genotoxins in the Aquatic Environment. Clean - Soil, Air, Water, 2005, 33, 45-55.	0.6	62

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145	Green tea extract and (â€)â€epigallocatechinâ€gallate, the major tea catechin, exert oxidant but lack antioxidant activities. FASEB Journal, 2005, 19, 1-26.	0.5	264
146	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
147	Superoxide generation from Kupffer cells contributes to hepatocarcinogenesis: studies on NADPH oxidase knockout mice. Carcinogenesis, 2004, 26, 319-329.	2.8	67
148	Genotoxic effects of dietary and lifestyle related carcinogens in human derived hepatoma (HepG2,) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 153-166.	1.0	76
149	Use of human-derived liver cell lines for the detection of environmental and dietary genotoxins; current state of knowledge. Toxicology, 2004, 198, 315-328.	4.2	306
150	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
151	Use of primary blood cells for the assessment of exposure to occupational genotoxins in human biomonitoring studies. Toxicology, 2004, 198, 341-350.	4.2	39
152	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
153	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
154	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
155	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
156	Enhancement of Glutathione and $\gamma$ -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
157	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
158	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
159	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
160	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
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	Chemoprotective effects of garden cress ( <i>Lepidium sativum</i> ) and its constituents towards 2-amino-3-methyl-imidazo[4,5-f]quinoline (IQ)-induced genotoxic effects and colonic preneoplastic lesions. <i>Carcinogenesis</i> , 2002, 23, 1155-1161.	2.8	86
164	Fumonisin B1 is genotoxic in human derived hepatoma (HepG2) cells. <i>Mutagenesis</i> , 2002, 17, 257-260.	2.6	60
165	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.	11.3	34
166	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.	1.7	103
167	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.	1.7	132
168	Genotoxic effects of methyl isothiocyanate. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 490, 1-9.	1.7	25
169	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.	1.7	43
170	Khat ( <i>Catha edulis</i> ) consumption causes genotoxic effects in humans. <i>International Journal of Cancer</i> , 2001, 92, 329-332.	5.1	120
171	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.	1.0	117
172	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.	1.0	149
173	Induction of Glutathione-S-Transferases in Humans by Vegetable Diets. , 2000, , 193-198.		7
174	Genotoxic effects of allyl isothiocyanate (AITC) and phenethyl isothiocyanate (PEITC). <i>Chemico-Biological Interactions</i> , 2000, 127, 163-180.	4.0	102
175	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.	1.7	145
176	Identification of mutagenic heterocyclic amines (IQ, Trp-P-1 and A $\pm$ C) in the water of the Danube River. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 466, 27-35.	1.7	56
177	Single cell gel electrophoresis assay: a new technique for human biomonitoring studies. <i>Mutation Research - Reviews in Mutation Research</i> , 2000, 463, 13-31.	5.5	309
178	Search for Compounds That Inhibit the Genotoxic and Carcinogenic Effects of Heterocyclic Aromatic Amines. <i>Critical Reviews in Toxicology</i> , 2000, 30, 1-69.	3.9	96
179	Diet and DNA Damage. , 2000, , 115-124.		0
180	Genotoxic and Antigenotoxic Effects of Isothiocyanates. , 2000, , 155-160.		0

#	ARTICLE	IF	CITATIONS
181	Genotoxic effects of heterocyclic aromatic amines in human derived hepatoma (HepG2) cells. <i>Mutagenesis</i> , 1999, 14, 533-540.	2.6	50
182	Genotoxic effects of benzyl isothiocyanate, a natural chemopreventive agent. <i>Mutagenesis</i> , 1999, 14, 595-604.	2.6	86
183	Tradescantia-micronucleus assay for the assessment of the clastogenicity of Austrian water. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1999, 426, 113-116.	1.0	32
184	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.	1.7	102
185	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.	1.0	346
186	Genotoxic effects of heavy metals: Comparative investigation with plant bioassays. <i>Environmental and Molecular Mutagenesis</i> , 1998, 31, 183-191.	2.2	150
187	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.	1.7	203
188	Genotoxic and Ecotoxic Effects of Groundwaters and Their Relation to Routinely Measured Chemical Parameters. <i>Environmental Science &amp; Technology</i> , 1998, 32, 1799-1805.	10.0	44
189	Toxic Effects of Griseofulvin: Disease Models, Mechanisms, and Risk Assessment. <i>Critical Reviews in Toxicology</i> , 1997, 27, 495-537.	3.9	62
190	Inhibition of the genotoxic effects of heterocyclic amines in human derived hepatoma cells by dietary bioantimutagens. <i>Mutagenesis</i> , 1997, 12, 297-303.	2.6	96
191	Genotoxic effects of three Fusarium 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.	1.7	101
192	Comparative Evaluation of Four Bacterial Assays for the Detection of Genotoxic Effects in the Dissolved Water Phases of Aqueous Matrices. <i>Environmental Science &amp; Technology</i> , 1996, 30, 897-907.	10.0	55
193	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.	3.3	39
194	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.	4.0	118
195	Genotoxic effects of the chlorinated hydroxyfuranones 3-chloro-4-(dichloromethyl)-5-hydroxy-2[5H]-furanone and 3,4-dichloro-5-hydroxy-2[5H]-furanone in Tradescantia micronucleus assays. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995, 346, 181-186.	1.1	14
196	Effects of ethanol treatment on DNA damage induced in Escherichia coli K-12 in various organs of mice by N-nitrosonornicotine, 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and N-nitrosopyrrolidine. <i>Carcinogenesis</i> , 1994, 15, 263-270.	2.8	13
197	mutation spectra of Glu-P-1 in Salmonella: Induction of hotspot frameshifts and site-specific base substitutions. <i>Environmental and Molecular Mutagenesis</i> , 1994, 24, 11-22.	2.2	26
198	Induction of genotoxic effects by chlorohydroxyfuranones, byproducts of water disinfection, in E. coli K-12 cells recovered from various organs of mice. <i>Environmental and Molecular Mutagenesis</i> , 1994, 24, 317-324.	2.2	31

#	ARTICLE	IF	CITATIONS
199	Clastogenic effects of radiofrequency radiations on chromosomes of Tradescantia. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 324, 65-68.	1.1	32
200	Detection of mutagenic activity in textiles with Salmonella typhimurium. Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure, 1993, 299, 45-53.	1.2	11
201	Organ-specific distribution of genotoxic effects in mice exposed to cooked food mutagens. Mutagenesis, 1992, 7, 235-241.	2.6	23
202	Synergistic effect between tannic acid and X-rays detected by the Tradescantia-micronucleus assay. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 270, 31-37.	1.0	19
203	Effects of tannic acid on spontaneous and induced somatic mutations in Drosophila melanogaster. Mutagenesis, 1991, 6, 225-228.	2.6	16
204	Use of differential DNA-repair host mediated assays to investigate the biotransformation of xenobiotics in Drosophila melanogaster. I. Genotoxic effects of nitrosamines. Chemico-Biological Interactions, 1990, 75, 17-29.	4.0	4
205	Investigations on the use of EDTA-permeabilized E. coli cells in liquid suspension and animal-mediated genotoxicity assays. Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology, 1989, 216, 189-196.	0.4	10
206	Studies on the antimutagenic activities of garlic extract. Environmental and Molecular Mutagenesis, 1989, 13, 357-365.	2.2	63
207	On the distribution of genotoxic factors in various organs of mice treated with cycasin. Chemico-Biological Interactions, 1986, 58, 109-116.	4.0	10
208	Carotenoids and Vitamin A. , 0, , 369-383.		2
209	Tannins: Bioavailability and Mechanisms of Action. , 0, , 499-508.		7
210	Chlorophyll. , 0, , 699-708.		1
211	Protease Inhibitors. , 0, , 761-767.		2
212	Prevention of Angiogenesis and Metastasis. , 0, , 163-182.		0
213	Epidemiological Studies. , 0, , 199-208.		0
214	Methods Used to Study Alterations of Cell Signaling and Proliferation. , 0, , 277-289.		0
215	Methods for the Assessment of Antiangiogenic Activity. , 0, , 291-301.		0
216	Types and Consequences of DNA Damage. , 0, , 21-33.		1

#	ARTICLE	IF	CITATIONS
217	The Role of Nutrition in the Etiology of Human Cancer: Methodological Considerations Concerning Epidemiological Studies. , 0, , 357-367.		0
218	Selected Vitamins. , 0, , 385-415.		0
219	Antioxidant, Anti-Inflammatory, and Anticarcinogenic Effects of Ginger and Its Ingredients. , 0, , 483-498.		0
220	Induction of DNA Damage and Cancer by Dietary Factors. , 0, , 35-55.		1
221	Glucosinolates and Cruciferous Vegetables. , 0, , 685-698.		0
222	Dietary Fibers. , 0, , 709-719.		0
223	Dietary Factors Regulate Metabolism of Carcinogens through Transcriptional Signaling Pathways. , 0, , 109-120.		0
224	Inflammation-Induced Carcinogenesis and Chemoprevention. , 0, , 145-152.		0