

# Goran Gajski

## List of Publications by Year in descending order

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99  
papers

3,038  
citations

172386

29  
h-index

189801

50  
g-index

103  
all docs

103  
docs citations

103  
times ranked

4379  
citing authors

#	ARTICLE	IF	CITATIONS
1	Apigenin: A dietary flavonoid with diverse anticancer properties. <i>Cancer Letters</i> , 2018, 413, 11-22.	3.2	253
2	Melittin: A lytic peptide with anticancer properties. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 697-705.	2.0	225
3	Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results. <i>Nature Protocols</i> , 2020, 15, 3817-3826.	5.5	189
4	Application of the comet assay in human biomonitoring: An hCOMET perspective. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 783, 108288.	2.4	95
5	DNA-protective effects of quercetin or naringenin in alloxan-induced diabetic mice. <i>European Journal of Pharmacology</i> , 2011, 656, 110-118.	1.7	91
6	Assessment of toxicity and genotoxicity of low doses of 5-fluorouracil in zebrafish ( <i>Danio rerio</i> ) two-generation study. <i>Water Research</i> , 2015, 77, 201-212.	5.3	81
7	Cylindrospermopsin induced DNA damage and alteration in the expression of genes involved in the response to DNA damage, apoptosis and oxidative stress. <i>Toxicol</i> , 2011, 58, 471-479.	0.8	68
8	The comet assay in animal models: From bugs to whales “ (Part 1 Invertebrates). <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 779, 82-113.	2.4	66
9	Cytogenetic status and oxidative DNA-damage induced by atorvastatin in human peripheral blood lymphocytes: Standard and Fpg-modified comet assay. <i>Toxicology and Applied Pharmacology</i> , 2008, 231, 85-93.	1.3	62
10	Analytical techniques for multiplex analysis of protein biomarkers. <i>Expert Review of Proteomics</i> , 2020, 17, 257-273.	1.3	60
11	Melittin induced cytogenetic damage, oxidative stress and changes in gene expression in human peripheral blood lymphocytes. <i>Toxicol</i> , 2016, 110, 56-67.	0.8	59
12	Apigenin, a dietary flavonoid, induces apoptosis, DNA damage, and oxidative stress in human breast cancer MCF-7 and MDA MB-231 cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 537-550.	1.4	58
13	Assessment of DNA damage and lipid peroxidation in diabetic mice: Effects of propolis and epigallocatechin gallate (EGCG). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 757, 36-44.	0.9	57
14	̢-H2AX as a biomarker for DNA double-strand breaks in ecotoxicology. <i>Ecotoxicology and Environmental Safety</i> , 2014, 105, 13-21.	2.9	57
15	Radioprotective Effects of Honeybee Venom ( <i>Apis mellifera</i> ) Against 915-MHz Microwave Radiation-Induced DNA Damage in Wistar Rat Lymphocytes: In Vitro Study. <i>International Journal of Toxicology</i> , 2009, 28, 88-98.	0.6	55
16	Genotoxic potential of selected cytostatic drugs in human and zebrafish cells. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14739-14750.	2.7	55
17	Chemical composition and genotoxicity assessment of sanitary landfill leachate from Rovinj, Croatia. <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 253-259.	2.9	54
18	Telomeres, Nutrition, and Longevity: Can We Really Navigate Our Aging?. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018, 73, 39-47.	1.7	54

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19	Assessment of cytogenetic damage and oxidative stress in personnel occupationally exposed to the pulsed microwave radiation of marine radar equipment. <i>International Journal of Hygiene and Environmental Health</i> , 2011, 214, 59-65.	2.1	53
20	Cytokinesis-block micronucleus cytome assay parameters in peripheral blood lymphocytes of the general population: Contribution of age, sex, seasonal variations and lifestyle factors. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 561-570.	2.9	50
21	Antibacterial Activity Affected by the Conformational Flexibility in Glycine- $\alpha$ -Lysine Based $\alpha$ -Helical Antimicrobial Peptides. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2924-2936.	2.9	48
22	Microcystin-LR induced DNA damage in human peripheral blood lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 726, 116-122.	0.9	46
23	The comet assay in animal models: From bugs to whales " (Part 2 Vertebrates). <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 130-164.	2.4	46
24	The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 787, 108371.	2.4	45
25	In vitro genotoxicity of mycotoxins ochratoxin A and fumonisin B1 could be prevented by sodium copper chlorophyllin " Implication to their genotoxic mechanism. <i>Food Chemistry</i> , 2015, 170, 455-462.	4.2	43
26	Efficacy of Caffeic Acid on Diabetes and Its Complications in the Mouse. <i>Molecules</i> , 2021, 26, 3262.	1.7	37
27	Toxicological characterization of the landfill leachate prior/after chemical and electrochemical treatment: A study on human and plant cells. <i>Chemosphere</i> , 2013, 93, 939-945.	4.2	36
28	DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. <i>Scientific Reports</i> , 2021, 11, 16793.	1.6	36
29	Forgotten public health impacts of cancer " an overview. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2017, 68, 287-297.	0.4	31
30	Seasonal variations as predictive factors of the comet assay parameters: a retrospective study. <i>Mutagenesis</i> , 2018, 33, 53-60.	1.0	30
31	Chemotherapeutic potential of quercetin on human bladder cancer cells. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 776-781.	0.9	29
32	Evaluation of the Cytogenetic Status of Human Lymphocytes After Exposure to a High Concentration of Bee Venom In Vitro. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2009, 60, 27-34.	0.4	28
33	Cytogenetic status of healthy children assessed with the alkaline comet assay and the cytokinesis-block micronucleus cytome assay. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2013, 750, 55-62.	0.9	27
34	Toxicity and antioxidant capacity of <i>Frangula alnus</i> Mill. bark and its active component emodin. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 923-929.	1.3	27
35	Alterations of GSH and MDA levels and their association with bee venom-induced DNA damage in human peripheral blood leukocytes. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 469-477.	0.9	25
36	Application of the comet assay for the evaluation of DNA damage from frozen human whole blood samples: Implications for human biomonitoring. <i>Toxicology Letters</i> , 2020, 319, 58-65.	0.4	25

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37	Bee venom induced cytogenetic damage and decreased cell viability in human white blood cells after treatment in vitro: A multi-biomarker approach. <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 201-211.	2.0	23
38	Application of dosimetry systems and cytogenetic status of the child population exposed to diagnostic X-rays by use of the cytokinesis-block micronucleus cytome assay. <i>Journal of Applied Toxicology</i> , 2011, 31, 608-617.	1.4	23
39	PGLa-H tandem-repeat peptides active against multidrug resistant clinical bacterial isolates. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 228-237.	1.4	23
40	Lactic acid bacteria isolated from equid milk and their extracellular metabolites show great probiotic properties and anti-inflammatory potential. <i>International Dairy Journal</i> , 2021, 112, 104828.	1.5	23
41	Cytogenetic status of interventional radiology unit workers occupationally exposed to low-dose ionising radiation: A pilot study. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 843, 46-51.	0.9	22
42	Genotoxic potential of bee venom ( <i>Apis Mellifera</i> ) on human peripheral blood lymphocytes in vitro using single cell gel electrophoresis assay. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2008, 43, 1279-1287.	0.9	21
43	Combined antitumor effects of bee venom and cisplatin on human cervical and laryngeal carcinoma cells and their drug resistant sublines. <i>Journal of Applied Toxicology</i> , 2014, 34, 1332-1341.	1.4	21
44	Physico-chemical characterization and the in vitro genotoxicity of medical implants metal alloy (TiAlV) Tj ETQq0 0 0 rgBT /Overlock 10 TF General Subjects, 2014, 1840, 565-576.	1.1	21
45	Assessment of the genotoxicity of the tyrosine kinase inhibitor imatinib mesylate in cultured fish and human cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 814, 14-21.	0.9	20
46	Collection and storage of human white blood cells for analysis of DNA damage and repair activity using the comet assay in molecular epidemiology studies. <i>Mutagenesis</i> , 2021, 36, 193-212.	1.0	20
47	Efficacy of HUMN criteria for scoring the micronucleus assay in human lymphocytes exposed to a low concentration of p,p'-DDT. <i>Brazilian Journal of Medical and Biological Research</i> , 2008, 41, 473-476.	0.7	19
48	Cytogenotoxicity of sewage sludge leachate before and after calcium oxide-based solidification in human lymphocytes. <i>Ecotoxicology and Environmental Safety</i> , 2011, 74, 1408-1415.	2.9	19
49	Cytogenetic status of human lymphocytes after exposure to low concentrations of p,p'-DDT, and its metabolites (p,p'-DDE, and p,p'-DDD) in vitro. <i>Chemosphere</i> , 2012, 87, 1288-1294.	4.2	19
50	Combined cyto/genotoxic activity of a selected antineoplastic drug mixture in human circulating blood cells. <i>Chemosphere</i> , 2016, 165, 529-538.	4.2	19
51	Antitumour action on human glioblastoma A1235 cells through cooperation of bee venom and cisplatin. <i>Cytotechnology</i> , 2016, 68, 1197-1205.	0.7	19
52	Analysis of health-related biomarkers between vegetarians and non-vegetarians: A multi-biomarker approach. <i>Journal of Functional Foods</i> , 2018, 48, 643-653.	1.6	17
53	Ganglioside GT1b protects human spermatozoa from hydrogen peroxide-induced DNA and membrane damage. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, 536-544.	3.6	16
54	Carboplatin resistant human laryngeal carcinoma cells are cross resistant to curcumin due to reduced curcumin accumulation. <i>Toxicology in Vitro</i> , 2013, 27, 523-532.	1.1	16

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55	Anisaxins, helical antimicrobial peptides from marine parasites, kill resistant bacteria by lipid extraction and membrane disruption. <i>Acta Biomaterialia</i> , 2022, 146, 131-144.	4.1	15
56	Primary DNA Damage Assessed With the Comet Assay and Comparison to the Absorbed Dose of Diagnostic X-rays in Children. <i>International Journal of Toxicology</i> , 2009, 28, 405-416.	0.6	14
57	Protective Effect of Gangliosides on DNA in Human Spermatozoa Exposed to Cryopreservation. <i>Journal of Andrology</i> , 2012, 33, 1016-1024.	2.0	14
58	Presence of phthalate esters in intravenous solution evaluated using gas chromatography-mass spectrometry method. <i>Journal of Applied Toxicology</i> , 2013, 33, 214-219.	1.4	14
59	<i>In vitro</i> effects of simultaneous exposure to platinum and cadmium on the activity of antioxidant enzymes and DNA damage and potential protective effects of selenium and zinc. <i>Drug and Chemical Toxicology</i> , 2017, 40, 228-234.	1.2	14
60	Usage of the standard and modified comet assay in assessment of DNA damage in human lymphocytes after exposure to ionizing radiation. <i>Radiology and Oncology</i> , 2009, 43, .	0.6	13
61	Toxicological and chemical assessment of arsenic-contaminated groundwater after electrochemical and advanced oxidation treatments. <i>Science of the Total Environment</i> , 2016, 543, 147-154.	3.9	13
62	Radioprotective properties of food colorant sodium copper chlorophyllin on human peripheral blood cells <i>in vitro</i> . <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019, 845, 403027.	0.9	13
63	Evaluation of oxidative stress responses in human circulating blood cells after imatinib mesylate treatment – Implications to its mechanism of action. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 1216-1221.	1.2	13
64	Genotoxicity assessment of a selected cytostatic drug mixture in human lymphocytes: A study based on concentrations relevant for occupational exposure. <i>Environmental Research</i> , 2018, 161, 26-34.	3.7	12
65	Sex-dependent expression of metallothioneins MT1 and MT2 and concentrations of trace elements in rat liver and kidney tissues: Effect of gonadectomy. <i>Journal of Trace Elements in Medicine and Biology</i> , 2019, 53, 98-108.	1.5	12
66	Application of the comet assay for the evaluation of DNA damage in mature sperm. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 788, 108398.	2.4	12
67	Use of sensitive methods for detection of DNA damage on human lymphocytes exposed to p,p'-DDT: Comet assay and new criteria for scoring micronucleus test. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 607-613.	0.7	11
68	Evaluation of the <i>in vitro</i> cytogenotoxicity profile of antipsychotic drug haloperidol using human peripheral blood lymphocytes. <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 316-324.	2.0	11
69	Application of the buccal micronucleus cytome assay on child population exposed to sinus X-ray. <i>European Journal of Radiology</i> , 2020, 129, 109143.	1.2	11
70	Application of cytogenetic endpoints and comet assay on human lymphocytes treated with atorvastatin <i>in vitro</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 43, 78-85.	0.9	10
71	Genotoxic effects of neurotoxin N-methylamino-L-alanine in human peripheral blood cells. <i>Chemosphere</i> , 2019, 214, 623-632.	4.2	10
72	Sex-specific effects of vegetarian diet on adiponectin levels and insulin sensitivity in healthy non-obese individuals. <i>Nutrition</i> , 2020, 79-80, 110862.	1.1	9

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73	Deregulation of whole-transcriptome gene expression in zebrafish ( <i>Danio rerio</i> ) after chronic exposure to low doses of imatinib mesylate in a complete life cycle study. <i>Chemosphere</i> , 2021, 263, 128097.	4.2	9
74	Selected polyoxopalladates as promising and selective antitumor drug candidates. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 957-971.	1.1	9
75	Designed peptide with a flexible central motif from ranatuerins adapts its conformation to bacterial membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 2655-2668.	1.4	8
76	Melatonin supplementation over different time periods until ageing modulates genotoxic parameters in mice. <i>Mutagenesis</i> , 2020, 35, 465-478.	1.0	8
77	In vitro assessment of genotoxic effects of electric arc furnace dust on human lymphocytes using the alkaline comet assay. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 279-287.	0.9	7
78	Environmental risk assessment of wastewaters from printed circuit board production: A multibiomarker approach using human cells. <i>Chemosphere</i> , 2017, 168, 1075-1081.	4.2	7
79	Inflammatory, oxidative and DNA damage status in vegetarians: is the future of human diet green?. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 3189-3221.	5.4	7
80	Increased frequency of sister chromatid exchanges and decrease in cell viability and proliferation kinetics in human peripheral blood lymphocytes after in vitro exposure to whole bee venom. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1654-1659.	0.9	6
81	In vitro effect of the antimalarial drug proguanil hydrochloride on viability and DNA damage in human peripheral blood lymphocytes. <i>Environmental Toxicology and Pharmacology</i> , 2010, 30, 257-263.	2.0	6
82	The genotoxicity of an organic solvent mixture: A human biomonitoring study and translation of a real-scenario exposure to in vitro. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 116, 104726.	1.3	6
83	Chemical and toxicological characterization of the bricks produced from clay/sewage sludge mixture. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1521-1527.	0.9	4
84	Copper(II) complexes with Na <sup>+</sup> -methylsarcosinamide selective for human bladder cancer cells. <i>Inorganica Chimica Acta</i> , 2019, 488, 312-320.	1.2	4
85	Optimization of a fast screening method for the assessment of low molecular weight thiols in human blood and plasma suitable for biomonitoring studies. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 275-280.	0.9	4
86	Marine toxin domoic acid induces in vitro genomic alterations in human peripheral blood cells. <i>Toxicol</i> , 2020, 187, 93-100.	0.8	4
87	An alkaline comet assay study on the antimalarial drug atovaquone in human peripheral blood lymphocytes: a study based on clinically relevant concentrations. <i>Journal of Applied Toxicology</i> , 2013, 33, 56-62.	1.4	3
88	Toxicity assessment of the water used for human consumption from the Cameron/Tuba City abandoned uranium mining area prior/after the combined electrochemical treatment/advanced oxidation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 516-526.	2.7	3
89	Toxicological assessment and management options for boat pressure-washing wastewater. <i>Ecotoxicology and Environmental Safety</i> , 2015, 114, 164-170.	2.9	3
90	Probiotic and paraprobiotic derivatives exhibit anti-inflammatory and genoprotective effects in induced stress. <i>Journal of Applied Microbiology</i> , 2022, , .	1.4	3

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91	Cytogenetic and oxidative status of human lymphocytes after exposure to clinically relevant concentrations of antimalarial drugs atovaquone and proguanil hydrochloride in vitro. <i>Fundamental and Clinical Pharmacology</i> , 2015, 29, 575-585.	1.0	2
92	Toxicity of Antineoplastic Drug Mixtures. , 2020, , 421-439.		2
93	Long-term effects of melatonin and resveratrol on aging rats: A multi-biomarker approach. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503443.	0.9	2
94	Marine toxin domoic acid induces moderate toxicological response in non-target HepG2 cells. <i>Toxicology</i> , 2022, 470, 153157.	2.0	2
95	Oxidative stress in workers occupationally exposed to microwave radiation. <i>Toxicology Letters</i> , 2008, 180, S38-S39.	0.4	1
96	Application of Comet assay on human lymphocytes treated with atorvastatin in vitro. <i>Toxicology Letters</i> , 2007, 172, S169.	0.4	0
97	Genotoxicity of honeybee venom in human lymphocytes using Comet assay. <i>Toxicology Letters</i> , 2008, 180, S104.	0.4	0
98	Presence of Dichlorodiphenyltrichloroethane (DDT) in Croatia and Evaluation of Its Genotoxicity. , 2012, , .		0
99	Response to the Letter to the Editor: The importance of genotoxicity studies for biomonitoring children exposed to X-ray. <i>European Journal of Radiology</i> , 2021, 135, 109506.	1.2	0