

Bozena Smolkova

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

1,691
citations

331670

21
h-index

302126

39
g-index

71
all docs

71
docs citations

71
times ranked

2398
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishing the background level of base oxidation in human lymphocyte DNA: results of an interlaboratory validation study. <i>FASEB Journal</i> , 2005, 19, 82-84.	0.5	404
2	Nanoparticles in food. Epigenetic changes induced by nanomaterials and possible impact on health. <i>Food and Chemical Toxicology</i> , 2015, 77, 64-73.	3.6	116
3	Immunotoxicity, genotoxicity and epigenetic toxicity of nanomaterials: New strategies for toxicity testing?. <i>Food and Chemical Toxicology</i> , 2017, 109, 797-811.	3.6	108
4	DNA damage and antioxidants; fluctuations through the year in a central European population group. <i>Food and Chemical Toxicology</i> , 2002, 40, 1119-1123.	3.6	59
5	Are glutathione S transferases involved in DNA damage signalling? Interactions with DNA damage and repair revealed from molecular epidemiology studies. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 736, 130-137.	1.0	59
6	Nanomedicine and epigenome. Possible health risks. <i>Food and Chemical Toxicology</i> , 2017, 109, 780-796.	3.6	54
7	ALDH1A inhibition sensitizes colon cancer cells to chemotherapy. <i>BMC Cancer</i> , 2018, 18, 656.	2.6	50
8	Seasonal changes in markers of oxidative damage to lipids and DNA; correlations with seasonal variation in diet. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 551, 135-144.	1.0	46
9	Nutritional supplementation with antioxidants decreases chromosomal damage in humans. <i>Mutagenesis</i> , 2003, 18, 371-376.	2.6	45
10	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.	5.5	45
11	RASSF1A Promoter Methylation Levels Positively Correlate with Estrogen Receptor Expression in Breast Cancer Patients. <i>Translational Oncology</i> , 2013, 6, 297-305.	3.7	36
12	Epigenetics in Breast Cancer Therapy – New Strategies and Future Nanomedicine Perspectives. <i>Cancers</i> , 2020, 12, 3622.	3.7	36
13	DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death. <i>Scientific Reports</i> , 2021, 11, 16793.	3.3	36
14	Disulfiram Overcomes Cisplatin Resistance in Human Embryonal Carcinoma Cells. <i>Cancers</i> , 2019, 11, 1224.	3.7	34
15	Evaluation of protein expression and DNA methylation profiles detected by pyrosequencing in invasive breast cancer. <i>Neoplasia</i> , 2014, 60, 635-646.	1.6	33
16	Down-regulation of traditional oncomiRs in plasma of breast cancer patients. <i>Oncotarget</i> , 2017, 8, 77369-77384.	1.8	32
17	CXCL12 and ADAM23 hypermethylation are associated with advanced breast cancers. <i>Translational Research</i> , 2015, 165, 717-730.	5.0	30
18	Targeting the gut microbiome: An emerging trend in hematopoietic stem cell transplantation. <i>Blood Reviews</i> , 2021, 48, 100790.	5.7	28

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19	Folate levels determine effect of antioxidant supplementation on micronuclei in subjects with cardiovascular risk. <i>Mutagenesis</i> , 2004, 19, 469-476.	2.6	26
20	Interactions of DNA repair gene variants modulate chromosomal aberrations in healthy subjects. <i>Carcinogenesis</i> , 2015, 36, 1299-1306.	2.8	24
21	Inflammation-Based Scores Increase the Prognostic Value of Circulating Tumor Cells in Primary Breast Cancer. <i>Cancers</i> , 2020, 12, 1134.	3.7	22
22	Risk factors for atherosclerosis in survivors of myocardial infarction and their spouses: Comparison to controls without personal and family history of atherosclerosis. <i>Metabolism: Clinical and Experimental</i> , 2001, 50, 24-29.	3.4	19
23	Metabolic gene variants associated with chromosomal aberrations in healthy humans. <i>Genes Chromosomes and Cancer</i> , 2015, 54, 260-266.	2.8	19
24	Antioxidant supplementation reduces inter-individual variation in markers of oxidative damage. <i>Free Radical Research</i> , 2005, 39, 659-666.	3.3	17
25	Targeting Epigenetic Modifications in Uveal Melanoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5314.	4.1	17
26	Epigenetic Landscape in Pancreatic Ductal Adenocarcinoma: On the Way to Overcoming Drug Resistance?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4091.	4.1	17
27	Intracellular prodrug gene therapy for cancer mediated by tumor cell suicide gene exosomes. <i>International Journal of Cancer</i> , 2021, 148, 128-139.	5.1	17
28	miR-497-5p Decreased Expression Associated with High-Risk Endometrial Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 127.	4.1	17
29	Validating fPSA Glycoprofile as a Prostate Cancer Biomarker to Avoid Unnecessary Biopsies and Re-Biopsies. <i>Cancers</i> , 2020, 12, 2988.	3.7	16
30	Decitabine potentiates efficacy of doxorubicin in a preclinical trastuzumab-resistant HER2-positive breast cancer models. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112662.	5.6	14
31	Expression of SOCS1 and CXCL12 Proteins in Primary Breast Cancer Are Associated with Presence of Circulating Tumor Cells in Peripheral Blood. <i>Translational Oncology</i> , 2016, 9, 184-190.	3.7	13
32	Metastatic Ovarian Cancer Can Be Efficiently Treated by Genetically Modified Mesenchymal Stromal Cells. <i>Stem Cells and Development</i> , 2016, 25, 1640-1651.	2.1	13
33	Genetic determinants of quantitative traits associated with cardiovascular disease risk. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 778, 18-25.	1.0	12
34	Genetic variation in the major mitotic checkpoint genes associated with chromosomal aberrations in healthy humans. <i>Cancer Letters</i> , 2016, 380, 442-446.	7.2	12
35	Impact of interleukin 13 (<i>IL13</i>) genetic polymorphism Arg130Gln on total serum immunoglobulin (IgE) levels and interferon (IFN)- γ gene expression. <i>Clinical and Experimental Immunology</i> , 2017, 188, 45-52.	2.6	12
36	A disintegrin and metalloprotease 23 hypermethylation predicts decreased disease-free survival in low-risk breast cancer patients. <i>Cancer Science</i> , 2019, 110, 1695-1704.	3.9	12

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37	Bratislava Statement: consensus recommendations for improving pancreatic cancer care. <i>ESMO Open</i> , 2020, 5, e001051.	4.5	12
38	Chemotherapy-triggered changes in stromal compartment drive tumor invasiveness and progression of breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021, 40, 302.	8.6	11
39	Decreased methylation in the SNAI2 and ADAM23 genes associated with de-differentiation and haematogenous dissemination in breast cancers. <i>BMC Cancer</i> , 2018, 18, 875.	2.6	10
40	NBN and XRCC3 genetic variants in childhood acute lymphoblastic leukaemia. <i>Cancer Epidemiology</i> , 2014, 38, 563-568.	1.9	9
41	Genetic variation associated with chromosomal aberration frequency: A genome-wide association study. <i>Environmental and Molecular Mutagenesis</i> , 2019, 60, 17-28.	2.2	9
42	miR-205-5p Downregulation and ZEB1 Upregulation Characterize the Disseminated Tumor Cells in Patients with Invasive Ductal Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 103.	4.1	9
43	Monosomy 3 Influences Epithelial-Mesenchymal Transition Gene Expression in Uveal Melanoma Patients; Consequences for Liquid Biopsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9651.	4.1	8
44	DNA Methylation Mediates EMT Gene Expression in Human Pancreatic Ductal Adenocarcinoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2117.	4.1	8
45	Role of epigenetic deregulation in hematogenous dissemination of malignant uveal melanoma. <i>Neoplasma</i> , 2018, 65, 840-854.	1.6	7
46	Increased Stromal Infiltrating Lymphocytes Are Associated with the Risk of Disease Progression in Mesenchymal Circulating Tumor Cell-Positive Primary Breast Cancer Patients. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9460.	4.1	7
47	Apolipoprotein E genotypes in offspring with a positive and negative family history of premature myocardial infarction. <i>Clinical Genetics</i> , 1998, 53, 387-390.	2.0	6
48	Global and gene specific DNA methylation in breast cancer cells was not affected during epithelial-to-mesenchymal transition in vitro. <i>Neoplasma</i> , 2016, 63, 901-910.	1.6	6
49	Distinct pathways associated with chromosomal aberration frequency in a cohort exposed to genotoxic compounds compared to general population. <i>Mutagenesis</i> , 2019, 34, 323-330.	2.6	6
50	Effect of diet and 677 C->T 5, 10-methylenetetrahydrofolate reductase genotypes on plasma homocyst(e)ine concentrations in slovak adolescent population. <i>Physiological Research</i> , 2000, 49, 651-8.	0.9	6
51	Decreased levels of circulating cytokines VEGF, TNF- β and IL-15 indicate PD-L1 overexpression in tumours of primary breast cancer patients. <i>Scientific Reports</i> , 2021, 11, 1294.	3.3	4
52	Screening for the Key Proteins Associated with Rete Testis Invasion in Clinical Stage I Seminoma via Label-Free Quantitative Mass Spectrometry. <i>Cancers</i> , 2021, 13, 5573.	3.7	4
53	DNA repair gene polymorphisms and chromosomal aberrations in healthy, nonsmoking population. <i>DNA Repair</i> , 2021, 101, 103079.	2.8	3
54	DNA Repair Gene Polymorphisms and Chromosomal Aberrations in Exposed Populations. <i>Frontiers in Genetics</i> , 2021, 12, 691947.	2.3	3

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55	DNA damage measured in blood cells predicts overall and progression-free survival in germ cell tumour patients. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 854-855, 503200.	1.7	3
56	Impact of genetic polymorphisms in kinetochore and spindle assembly genes on chromosomal aberration frequency in healthy humans. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 858-860, 503253.	1.7	2
57	KIT Expression Is Regulated by DNA Methylation in Uveal Melanoma Tumors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10748.	4.1	2
58	A pooled analysis of molecular epidemiological studies on modulation of DNA repair by host factors. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2022, 876-877, 503447.	1.7	2
59	Epigenetic Effects of Nanomaterials. , 2019, , 678-685.		1
60	Chapter 6. Health Hazard and Risk Assessment of Nanoparticles Applied in Biomedicine. <i>Issues in Toxicology</i> , 2017, , 151-173.	0.1	1
61	Genome-wide DNA methylome and transcriptome changes induced by inorganic nanoparticles in human kidney cells after chronic exposure. <i>Cell Biology and Toxicology</i> , 2023, 39, 1939-1956.	5.3	1
62	2.P.246 Methylentetrahydrofolate reductase genotypes in young survivors of myocardial infarction. <i>Atherosclerosis</i> , 1997, 134, 167.	0.8	0
63	Risk factors in young patients with peripheral atherosclerosis. <i>Atherosclerosis</i> , 2000, 151, 153.	0.8	0
64	We-P14:452 Effect of antioxidant supplementation on genetic stability and lipid peroxidation in middle-aged men. <i>Atherosclerosis Supplements</i> , 2006, 7, 446.	1.2	0
65	Expression of cytokines in children with food allergy. <i>Toxicology Letters</i> , 2008, 180, S215.	0.8	0
66	534 Epigenetic Changes in Tumour Tissue and Plasma DNA Samples From Breast Cancer Patients. <i>European Journal of Cancer</i> , 2012, 48, S127.	2.8	0
67	416: DNA methylation profiles in invasive breast tumours associate with methylation in lymph node metastases and not in plasma samples. <i>European Journal of Cancer</i> , 2014, 50, S99.	2.8	0
68	Global DNA methylation and physical fitness of elderly athletes with lifelong endurance activity. <i>Journal of Human Sport and Exercise</i> , 2021, 16, .	0.4	0
69	Epigenetic Changes in Malignant Uveal Melanoma and Possibilities of Their Therapeutic Targeting. <i>Ceska A Slovenska Oftalmologie</i> , 2020, 76, 103-110.	0.2	0