

# 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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Decreased levels of circulating cytokines VEGF, TNF- $\beta$ and IL-15 indicate PD-L1 overexpression in tumours of primary breast cancer patients. <i>Scientific Reports</i> , 2021, 11, 1294.	3.3	4
9	DNA repair gene polymorphisms and chromosomal aberrations in healthy, nonsmoking population. <i>DNA Repair</i> , 2021, 101, 103079.	2.8	3
10	DNA Repair Gene Polymorphisms and Chromosomal Aberrations in Exposed Populations. <i>Frontiers in Genetics</i> , 2021, 12, 691947.	2.3	3
11	Targeting the gut microbiome: An emerging trend in hematopoietic stem cell transplantation. <i>Blood Reviews</i> , 2021, 48, 100790.	5.7	28
12	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
13	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
14	miR-497-5p Decreased Expression Associated with High-Risk Endometrial Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 127.	4.1	17
15	KIT Expression Is Regulated by DNA Methylation in Uveal Melanoma Tumors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10748.	4.1	2
16	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
17	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
18	Bratislava Statement: consensus recommendations for improving pancreatic cancer care. <i>ESMO Open</i> , 2020, 5, e001051.	4.5	12

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19	Targeting Epigenetic Modifications in Uveal Melanoma. International Journal of Molecular Sciences, 2020, 21, 5314.	4.1	17
20	Validating fPSA Glycoprofile as a Prostate Cancer Biomarker to Avoid Unnecessary Biopsies and Re-Biopsies. Cancers, 2020, 12, 2988.	3.7	16
21	Monosomy 3 Influences Epithelial-Mesenchymal Transition Gene Expression in Uveal Melanoma Patients; Consequences for Liquid Biopsy. International Journal of Molecular Sciences, 2020, 21, 9651.	4.1	8
22	Increased Stromal Infiltrating Lymphocytes Are Associated with the Risk of Disease Progression in Mesenchymal Circulating Tumor Cell-Positive Primary Breast Cancer Patients. International Journal of Molecular Sciences, 2020, 21, 9460.	4.1	7
23	Impact of genetic polymorphisms in kinetochore and spindle assembly genes on chromosomal aberration frequency in healthy humans. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 858-860, 503253.	1.7	2
24	Epigenetics in Breast Cancer Therapy—New Strategies and Future Nanomedicine Perspectives. Cancers, 2020, 12, 3622.	3.7	36
25	Epigenetic Landscape in Pancreatic Ductal Adenocarcinoma: On the Way to Overcoming Drug Resistance?. International Journal of Molecular Sciences, 2020, 21, 4091.	4.1	17
26	DNA damage measured in blood cells predicts overall and progression-free survival in germ cell tumour patients. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2020, 854-855, 503200.	1.7	3
27	Inflammation-Based Scores Increase the Prognostic Value of Circulating Tumor Cells in Primary Breast Cancer. Cancers, 2020, 12, 1134.	3.7	22
28	Epigenetic Changes in Malignant Uveal Melanoma and Possibilities of Their Therapeutic Targeting. Ceska A Slovenska Oftalmologie, 2020, 76, 103-110.	0.2	0
29	Disulfiram Overcomes Cisplatin Resistance in Human Embryonal Carcinoma Cells. Cancers, 2019, 11, 1224.	3.7	34
30	Distinct pathways associated with chromosomal aberration frequency in a cohort exposed to genotoxic compounds compared to general population. Mutagenesis, 2019, 34, 323-330.	2.6	6
31	A disintegrin and metalloprotease 23 hypermethylation predicts decreased disease-free survival in low-risk breast cancer patients. Cancer Science, 2019, 110, 1695-1704.	3.9	12
32	Epigenetic Effects of Nanomaterials. , 2019, , 678-685.		1
33	Genetic variation associated with chromosomal aberration frequency: A genome-wide association study. Environmental and Molecular Mutagenesis, 2019, 60, 17-28.	2.2	9
34	Role of epigenetic deregulation in hematogenous dissemination of malignant uveal melanoma. Neoplasma, 2018, 65, 840-854.	1.6	7
35	Decreased methylation in the SNAI2 and ADAM23 genes associated with de-differentiation and haematogenous dissemination in breast cancers. BMC Cancer, 2018, 18, 875.	2.6	10
36	ALDH1A inhibition sensitizes colon cancer cells to chemotherapy. BMC Cancer, 2018, 18, 656.	2.6	50

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37	Impact of interleukin 13 (<i>IL13</i>) genetic polymorphism Arg130Gln on total serum immunoglobulin (IgE) levels and interferon (IFN)- $\beta$ gene expression. <i>Clinical and Experimental Immunology</i> , 2017, 188, 45-52.	2.6	12
38	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
39	Nanomedicine and epigenome. Possible health risks. <i>Food and Chemical Toxicology</i> , 2017, 109, 780-796.	3.6	54
40	Chapter 6. Health Hazard and Risk Assessment of Nanoparticles Applied in Biomedicine. <i>Issues in Toxicology</i> , 2017, , 151-173.	0.1	1
41	Down-regulation of traditional oncomiRs in plasma of breast cancer patients. <i>Oncotarget</i> , 2017, 8, 77369-77384.	1.8	32
42	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
43	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
44	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
45	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
46	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
47	CXCL12 and ADAM23 hypermethylation are associated with advanced breast cancers. <i>Translational Research</i> , 2015, 165, 717-730.	5.0	30
48	Metabolic gene variants associated with chromosomal aberrations in healthy humans. <i>Genes Chromosomes and Cancer</i> , 2015, 54, 260-266.	2.8	19
49	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
50	Interactions of DNA repair gene variants modulate chromosomal aberrations in healthy subjects. <i>Carcinogenesis</i> , 2015, 36, 1299-1306.	2.8	24
51	Evaluation of protein expression and DNA methylation profiles detected by pyrosequencing in invasive breast cancer. <i>Neoplasma</i> , 2014, 60, 635-646.	1.6	33
52	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
53	NBN and XRCC3 genetic variants in childhood acute lymphoblastic leukaemia. <i>Cancer Epidemiology</i> , 2014, 38, 563-568.	1.9	9
54	RASSF1A Promoter Methylation Levels Positively Correlate with Estrogen Receptor Expression in Breast Cancer Patients. <i>Translational Oncology</i> , 2013, 6, 297-IN5.	3.7	36

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55	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
56	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
57	Expression of cytokines in children with food allergy. <i>Toxicology Letters</i> , 2008, 180, S215.	0.8	0
58	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
59	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
60	Antioxidant supplementation reduces inter-individual variation in markers of oxidative damage. <i>Free Radical Research</i> , 2005, 39, 659-666.	3.3	17
61	Folate levels determine effect of antioxidant supplementation on micronuclei in subjects with cardiovascular risk. <i>Mutagenesis</i> , 2004, 19, 469-476.	2.6	26
62	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
63	Nutritional supplementation with antioxidants decreases chromosomal damage in humans. <i>Mutagenesis</i> , 2003, 18, 371-376.	2.6	45
64	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
65	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
66	Risk factors in young patients with peripheral atherosclerosis. <i>Atherosclerosis</i> , 2000, 151, 153.	0.8	0
67	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
68	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
69	2.P.246 Methyltetrahydrofolate reductase genotypes in young survivors of myocardial infarction. <i>Atherosclerosis</i> , 1997, 134, 167.	0.8	0