

# Veronika Polakova Vymetalkova

## List of Publications by Year in descending order

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85  
papers

3,197  
citations

218381

26  
h-index

205818

48  
g-index

88  
all docs

88  
docs citations

88  
times ranked

4859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulating microRNA: Searching for new players in assessment of therapy response in colorectal cancer patients.. Journal of Clinical Oncology, 2022, 40, 183-183.	0.8	0
2	Mutational analysis of driver genes defines the colorectal adenoma: in situ carcinoma transition. Scientific Reports, 2022, 12, 2570.	1.6	5
3	Oxidative Damage in Sporadic Colorectal Cancer: Molecular Mapping of Base Excision Repair Glycosylases MUTYH and hOGG1 in Colorectal Cancer Patients. International Journal of Molecular Sciences, 2022, 23, 5704.	1.8	3
4	The Associations of Selenoprotein Genetic Variants with the Risks of Colorectal Adenoma and Colorectal Cancer: Caseâ€“Control Studies in Irish and Czech Populations. Nutrients, 2022, 14, 2718.	1.7	5
5	Discovery of Long Non-Coding RNA MALAT1 Amplification in Precancerous Colorectal Lesions. International Journal of Molecular Sciences, 2022, 23, 7656.	1.8	6
6	Identifying Novel Susceptibility Genes for Colorectal Cancer Risk From a Transcriptome-Wide Association Study of 125,478 Subjects. Gastroenterology, 2021, 160, 1164-1178.e6.	0.6	36
7	Response to Li and Hopper. American Journal of Human Genetics, 2021, 108, 527-529.	2.6	5
8	Polymorphisms within Autophagy-Related Genes Influence the Risk of Developing Colorectal Cancer: A Meta-Analysis of Four Large Cohorts. Cancers, 2021, 13, 1258.	1.7	3
9	DNA repair gene polymorphisms and chromosomal aberrations in healthy, nonsmoking population. DNA Repair, 2021, 101, 103079.	1.3	3
10	Local Immune Changes in Early Stages of Inflammation and Carcinogenesis Correlate with the Collagen Scaffold Changes of the Colon Mucosa. Cancers, 2021, 13, 2463.	1.7	3
11	Genetic variations in 3â€²UTRs of <i>SMUG1</i> and <i>NEIL2</i> genes modulate breast cancer risk, survival and therapy response. Mutagenesis, 2021, 36, 269-279.	1.0	5
12	DNA Repair Gene Polymorphisms and Chromosomal Aberrations in Exposed Populations. Frontiers in Genetics, 2021, 12, 691947.	1.1	3
13	Mutational landscape of plasma cell-free DNA identifies molecular features associated with therapeutic response in patients with colon cancer. A pilot study. Mutagenesis, 2021, 36, 358-368.	1.0	5
14	Analysis of MicroRNA Expression Changes During the Course of Therapy In Rectal Cancer Patients. Frontiers in Oncology, 2021, 11, 702258.	1.3	11
15	Genetic variations in microRNA-binding sites of solute carrier transporter genes as predictors of clinical outcome in colorectal cancer. Carcinogenesis, 2021, 42, 378-394.	1.3	6
16	DNA repair and cancer in colon and rectum: Novel players in genetic susceptibility. International Journal of Cancer, 2020, 146, 363-372.	2.3	40
17	Expression quantitative trait loci in ABC transporters are associated with survival in 5-FU treated colorectal cancer patients. Mutagenesis, 2020, 35, 273-281.	1.0	2
18	Circulating Levels of Insulin-like Growth Factor 1 and Insulin-like Growth Factor Binding Protein 3 Associate With Risk of Colorectal Cancer Based on Serologic and Mendelian Randomization Analyses. Gastroenterology, 2020, 158, 1300-1312.e20.	0.6	90

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19	Epistatic effect of TLR3 and cGAS/STING/IRAK1/IRAK4/MyD88/TLK1/IKKFN signaling variants on colorectal cancer risk. <i>Cancer Medicine</i> , 2020, 9, 1473-1484.	1.3	10
20	5-fluorouracil and other fluoropyrimidines in colorectal cancer: Past, present and future. , 2020, 206, 107447.		449
21	DNA Mismatch Repair Gene Variants in Sporadic Solid Cancers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5561.	1.8	12
22	Genome-wide Modeling of Polygenic Risk Score in Colorectal Cancer Risk. <i>American Journal of Human Genetics</i> , 2020, 107, 432-444.	2.6	124
23	Distant Metastasis in Colorectal Cancer Patients—Do We Have New Predicting Clinicopathological and Molecular Biomarkers? A Comprehensive Review. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5255.	1.8	38
24	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.	0.9	2
25	Colorectal Adenomas—Genetics and Searching for New Molecular Screening Biomarkers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3260.	1.8	35
26	Methylation-Based Therapies for Colorectal Cancer. <i>Cells</i> , 2020, 9, 1540.	1.8	29
27	Oxidative Damage in Sporadic Colorectal Cancer: Molecular Mapping of Base Excision Repair Glycosylases in Colorectal Cancer Patients. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2473.	1.8	28
28	Telomere length in peripheral blood lymphocytes related to genetic variation in telomerase, prognosis and clinicopathological features in breast cancer patients. <i>Mutagenesis</i> , 2020, 35, 491-497.	1.0	11
29	<i>Fusobacterium nucleatum</i> tumor DNA levels are associated with survival in colorectal cancer patients. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1891-1899.	1.3	33
30	Relationship of telomere length in colorectal cancer patients with cancer phenotype and patient prognosis. <i>British Journal of Cancer</i> , 2019, 121, 344-350.	2.9	28
31	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.	1.0	6
32	Circulating biomarkers for early detection and clinical management of colorectal cancer. <i>Molecular Aspects of Medicine</i> , 2019, 69, 107-122.	2.7	214
33	Single nucleotide polymorphisms within MUC4 are associated with colorectal cancer survival. <i>PLoS ONE</i> , 2019, 14, e0216666.	1.1	15
34	Diagnostic and prognostic impact of cell-free DNA in human cancers: Systematic review. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 781, 100-129.	2.4	28
35	DNA methylation and chromatin modifiers in colorectal cancer. <i>Molecular Aspects of Medicine</i> , 2019, 69, 73-92.	2.7	34
36	Functional Polymorphisms in DNA Repair Genes Are Associated with Sporadic Colorectal Cancer Susceptibility and Clinical Outcome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 97.	1.8	20

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37	Genetic variation associated with chromosomal aberration frequency: A genome-wide association study. <i>Environmental and Molecular Mutagenesis</i> , 2019, 60, 17-28.	0.9	9
38	Discovery of common and rare genetic risk variants for colorectal cancer. <i>Nature Genetics</i> , 2019, 51, 76-87.	9.4	377
39	Base excision repair capacity as a determinant of prognosis and therapy response in colon cancer patients. <i>DNA Repair</i> , 2018, 72, 77-85.	1.3	27
40	Expression profile of miR-17/92 cluster is predictive of treatment response in rectal cancer. <i>Carcinogenesis</i> , 2018, 39, 1359-1367.	1.3	29
41	Circulating Cell-Free DNA and Colorectal Cancer: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3356.	1.8	79
42	Genetic variation of acquired structural chromosomal aberrations. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 836, 13-21.	0.9	19
43	Investigation of single and synergic effects of NLRC5 and PD-L1 variants on the risk of colorectal cancer. <i>PLoS ONE</i> , 2018, 13, e0192385.	1.1	20
44	Single nucleotide polymorphisms within Mucin-type O-glycan genes are associated with colorectal cancer survival. <i>Journal of Clinical Oncology</i> , 2018, 36, e15607-e15607.	0.8	0
45	Mesothelin promoter variants are associated with increased soluble mesothelin-related peptide levels in asbestos-exposed individuals. <i>Occupational and Environmental Medicine</i> , 2017, 74, 457-464.	1.3	13
46	MicroRNA-binding site polymorphisms in genes involved in colorectal cancer etiopathogenesis and their impact on disease prognosis. <i>Mutagenesis</i> , 2017, 32, 533-542.	1.0	20
47	Polymorphisms in microRNA binding sites of mucin genes as predictors of clinical outcome in colorectal cancer patients. <i>Carcinogenesis</i> , 2017, 38, 28-39.	1.3	23
48	Association between polymorphisms of TAS2R16 and susceptibility to colorectal cancer. <i>BMC Gastroenterology</i> , 2017, 17, 104.	0.8	21
49	DNA and chromosomal damage in medical workers exposed to anaesthetic gases assessed by the lymphocyte cytokinesis-block micronucleus (CBMN) assay. A critical review. <i>Mutation Research - Reviews in Mutation Research</i> , 2016, 770, 26-34.	2.4	15
50	Genetic variation in the major mitotic checkpoint genes associated with chromosomal aberrations in healthy humans. <i>Cancer Letters</i> , 2016, 380, 442-446.	3.2	12
51	Polymorphisms in Non-coding RNA Genes and Their Targets Sites as Risk Factors of Sporadic Colorectal Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2016, 937, 123-149.	0.8	13
52	Epigenome-wide analysis of DNA methylation reveals a rectal cancer-specific epigenomic signature. <i>Epigenomics</i> , 2016, 8, 1193-1207.	1.0	22
53	Double-strand break repair and colorectal cancer: gene variants within 3' UTRs and microRNAs binding as modulators of cancer risk and clinical outcome. <i>Oncotarget</i> , 2016, 7, 23156-23169.	0.8	40
54	Post-treatment recovery of suboptimal DNA repair capacity and gene expression levels in colorectal cancer patients. <i>Molecular Carcinogenesis</i> , 2015, 54, 769-778.	1.3	16

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55	Metabolic gene variants associated with chromosomal aberrations in healthy humans. <i>Genes Chromosomes and Cancer</i> , 2015, 54, 260-266.	1.5	19
56	A novel c. 204 Ile68Met germline variant in exon 2 of the mutL homolog 1 gene in a colorectal cancer patient. <i>Oncology Letters</i> , 2015, 9, 183-186.	0.8	2
57	Interactions of DNA repair gene variants modulate chromosomal aberrations in healthy subjects. <i>Carcinogenesis</i> , 2015, 36, 1299-1306.	1.3	24
58	Polymorphisms in microRNA genes as predictors of clinical outcomes in colorectal cancer patients. <i>Carcinogenesis</i> , 2015, 36, 82-86.	1.3	47
59	Telomere length in circulating lymphocytes: Association with chromosomal aberrations. <i>Genes Chromosomes and Cancer</i> , 2015, 54, 194-196.	1.5	12
60	Genotype and Haplotype Analyses of TP53 Gene in Breast Cancer Patients: Association with Risk and Clinical Outcomes. <i>PLoS ONE</i> , 2015, 10, e0134463.	1.1	19
61	Single Nucleotide Polymorphisms within Interferon Signaling Pathway Genes Are Associated with Colorectal Cancer Susceptibility and Survival. <i>PLoS ONE</i> , 2014, 9, e111061.	1.1	29
62	Association between CASP8 652 6N Del Polymorphism (rs3834129) and Colorectal Cancer Risk: Results from a Multi-Centric Study. <i>PLoS ONE</i> , 2014, 9, e85538.	1.1	8
63	Cyclin D1 splice site variant triggers chromosomal aberrations in healthy humans. <i>Leukemia</i> , 2014, 28, 721-722.	3.3	9
64	Molecular characteristics of mismatch repair genes in sporadic colorectal tumors in Czech patients. <i>BMC Medical Genetics</i> , 2014, 15, 17.	2.1	8
65	DNA methylation changes in genes frequently mutated in sporadic colorectal cancer and in the DNA repair and Wnt/ $\beta$ -catenin signaling pathway genes. <i>Epigenomics</i> , 2014, 6, 179-191.	1.0	55
66	Variations in mismatch repair genes and colorectal cancer risk and clinical outcome. <i>Mutagenesis</i> , 2014, 29, 259-265.	1.0	20
67	Evaluation of tumor suppressor gene expressions and aberrant methylation in the colon of cancer-induced rats: a pilot study. <i>Molecular Biology Reports</i> , 2013, 40, 5921-5929.	1.0	2
68	Sustained induction of cytochrome P4501A1 in human hepatoma cells by co-exposure to benzo[a]pyrene and 7H-dibenzo[c,g]carbazole underlies the synergistic effects on DNA adduct formation. <i>Toxicology and Applied Pharmacology</i> , 2013, 271, 1-12.	1.3	10
69	Chromosomal damage among medical staff occupationally exposed to volatile anesthetics, antineoplastic drugs, and formaldehyde. <i>Scandinavian Journal of Work, Environment and Health</i> , 2013, 39, 618-630.	1.7	48
70	Polymorphisms in miRNA-binding sites of nucleotide excision repair genes and colorectal cancer risk. <i>Carcinogenesis</i> , 2012, 33, 1346-1351.	1.3	59
71	Mutations and polymorphisms in TP53 gene—an overview on the role in colorectal cancer. <i>Mutagenesis</i> , 2012, 27, 211-218.	1.0	105
72	Evaluating chromosomal damage in workers exposed to hexavalent chromium and the modulating role of polymorphisms of DNA repair genes. <i>International Archives of Occupational and Environmental Health</i> , 2012, 85, 473-481.	1.1	20

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73	MTHFR and MTRR genotype and haplotype analysis and colorectal cancer susceptibility in a case-control study from the Czech Republic. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011, 721, 74-80.	0.9	46
74	DNA damage and nucleotide excision repair capacity in healthy individuals. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 511-517.	0.9	47
75	DNA damage, DNA repair rates and mRNA expression levels of cell cycle genes (TP53, p21CDKN1A, BCL2) in peripheral blood lymphocytes of cancer patients and healthy controls. <i>Toxicology and Applied Pharmacology</i> , 2010, 248, 194-200.	1.3	23
76	Modulation of DNA repair capacity and mRNA expression levels of XRCC1, hOGG1 and XPC genes in styrene-exposed workers. <i>Toxicology and Applied Pharmacology</i> , 2010, 248, 194-200.	1.3	23
77	Genotype and haplotype analysis of TP53 gene and the risk of pancreatic cancer: an association study in the Czech Republic. <i>Carcinogenesis</i> , 2010, 31, 666-670.	1.3	29
78	Chromosomal damage in peripheral blood lymphocytes of newly diagnosed cancer patients and healthy controls. <i>Carcinogenesis</i> , 2010, 31, 1238-1241.	1.3	43
79	Do GST Polymorphisms Modulate the Frequency of Chromosomal Aberrations in Healthy Subjects?. <i>Environmental Health Perspectives</i> , 2009, 117, A384-5; author reply A385.	2.8	7
80	NBN 657del5 heterozygous mutations and colorectal cancer risk in the Czech Republic. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2009, 666, 64-67.	0.4	17
81	Genotype and haplotype analysis of cell cycle genes in sporadic colorectal cancer in the Czech Republic. <i>Human Mutation</i> , 2009, 30, 661-668.	1.1	47
82	DNA repair genetic polymorphisms and risk of colorectal cancer in the Czech Republic. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 638, 146-153.	0.4	103
83	Chromosomal aberrations in tire plant workers and interaction with polymorphisms of biotransformation and DNA repair genes. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 641, 36-42.	0.4	26
84	Do polymorphisms and haplotypes of mismatch repair genes modulate risk of sporadic colorectal cancer?. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 648, 40-45.	0.4	20
85	Association of DNA repair polymorphisms with DNA repair functional outcomes in healthy human subjects. <i>Carcinogenesis</i> , 2006, 28, 657-664.	1.3	174