Veronika Polakova Vymetalkova

List of Publications by Year
in descending order

85	3,197	218677	206112
papers	citations	26 h-index	48 g-index

88	88	88	4859
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	5-fluorouracil and other fluoropyrimidines in colorectal cancer: Past, present and future. , 2020, 206, 107447.		449
2	Discovery of common and rare genetic risk variants for colorectal cancer. Nature Genetics, 2019, 51, 76-87.	21.4	377
3	Circulating biomarkers for early detection and clinical management of colorectal cancer. Molecular Aspects of Medicine, 2019, 69, 107-122.	6.4	214
4	Association of DNA repair polymorphisms with DNA repair functional outcomes in healthy human subjects. Carcinogenesis, 2006, 28, 657-664.	2.8	174
5	Genome-wide Modeling of Polygenic Risk Score in Colorectal Cancer Risk. American Journal of Human Genetics, 2020, 107, 432-444.	6.2	124
6	Mutations and polymorphisms in TP53 gene--an overview on the role in colorectal cancer. Mutagenesis, 2012, 27, 211-218.	2.6	105
7	DNA repair genetic polymorphisms and risk of colorectal cancer in the Czech Republic. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 638, 146-153.	1.0	103
8	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.	1.3	90
9	Circulating Cell-Free DNA and Colorectal Cancer: A Systematic Review. International Journal of Molecular Sciences, 2018, 19, 3356.	4.1	79
10	Polymorphisms in miRNA-binding sites of nucleotide excision repair genes and colorectal cancer risk. Carcinogenesis, 2012, 33, 1346-1351.	2.8	59
11	DNA methylation changes in genes frequently mutated in sporadic colorectal cancer and in the DNA repair and Wnt/Î²-catenin signaling pathway genes. Epigenomics, 2014, 6, 179-191.	2.1	55
12	Chromosomal damage among medical staff occupationally exposed to volatile anesthetics, antineoplastic drugs, and formaldehyde. Scandinavian Journal of Work, Environment and Health, 2013, 39, 618-630.	3.4	48
13	Genotype and haplotype analysis of cell cycle genes in sporadic colorectal cancer in the Czech Republic. Human Mutation, 2009, 30, 661-668.	2.5	47
14	DNA damage and nucleotide excision repair capacity in healthy individuals. Environmental and Molecular Mutagenesis, 2011, 52, 511-517.	2.2	47
15	Polymorphisms in microRNA genes as predictors of clinical outcomes in colorectal cancer patients. Carcinogenesis, 2015, 36, 82-86.	2.8	47
16	MTHFR and MTRR genotype and haplotype analysis and colorectal cancer susceptibility in a caseâ€“control study from the Czech Republic. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 721, 74-80.	1.7	46
17	Chromosomal damage in peripheral blood lymphocytes of newly diagnosed cancer patients and healthy controls. Carcinogenesis, 2010, 31, 1238-1241.	2.8	43
18	DNA repair and cancer in colon and rectum: Novel players in genetic susceptibility. International Journal of Cancer, 2020, 146, 363-372.	5.1	40

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19	Double-strand break repair and colorectal cancer: gene variants within 3â€² UTRs and microRNAs binding as modulators of cancer risk and clinical outcome. Oncotarget, 2016, 7, 23156-23169.	1.8	40
20	Distant Metastasis in Colorectal Cancer Patientsâ€”Do We Have New Predicting Clinicopathological and Molecular Biomarkers? A Comprehensive Review. International Journal of Molecular Sciences, 2020, 21, 5255.	4.1	38
21	Identifying Novel Susceptibility Genes for Colorectal Cancer Risk From a Transcriptome-Wide Association Study of 125,478 Subjects. Gastroenterology, 2021, 160, 1164-1178.e6.	1.3	36
22	Colorectal Adenomasâ€”Genetics and Searching for New Molecular Screening Biomarkers. International Journal of Molecular Sciences, 2020, 21, 3260.	4.1	35
23	DNA methylation and chromatin modifiers in colorectal cancer. Molecular Aspects of Medicine, 2019, 69, 73-92.	6.4	34
24	Fusobacterium nucleatum tumor DNA levels are associated with survival in colorectal cancer patients. European Journal of Clinical Microbiology and Infectious Diseases, 2019, 38, 1891-1899.	2.9	33
25	Genotype and haplotype analysis of TP53 gene and the risk of pancreatic cancer: an association study in the Czech Republic. Carcinogenesis, 2010, 31, 666-670.	2.8	29
26	Single Nucleotide Polymorphisms within Interferon Signaling Pathway Genes Are Associated with Colorectal Cancer Susceptibility and Survival. PLoS ONE, 2014, 9, e111061.	2.5	29
27	Expression profile of miR-17/92 cluster is predictive of treatment response in rectal cancer. Carcinogenesis, 2018, 39, 1359-1367.	2.8	29
28	Methylation-Based Therapies for Colorectal Cancer. Cells, 2020, 9, 1540.	4.1	29
29	Relationship of telomere length in colorectal cancer patients with cancer phenotype and patient prognosis. British Journal of Cancer, 2019, 121, 344-350.	6.4	28
30	Diagnostic and prognostic impact of cell-free DNA in human cancers: Systematic review. Mutation Research - Reviews in Mutation Research, 2019, 781, 100-129.	5.5	28
31	Oxidative Damage in Sporadic Colorectal Cancer: Molecular Mapping of Base Excision Repair Glycosylases in Colorectal Cancer Patients. International Journal of Molecular Sciences, 2020, 21, 2473.	4.1	28
32	Base excision repair capacity as a determinant of prognosis and therapy response in colon cancer patients. DNA Repair, 2018, 72, 77-85.	2.8	27
33	Chromosomal aberrations in tire plant workers and interaction with polymorphisms of biotransformation and DNA repair genes. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 641, 36-42.	1.0	26
34	Interactions of DNA repair gene variants modulate chromosomal aberrations in healthy subjects. Carcinogenesis, 2015, 36, 1299-1306.	2.8	24
35	Modulation of DNA repair capacity and mRNA expression levels of XRCC1, hOGG1 and XPC genes in styrene-exposed workers. Toxicology and Applied Pharmacology, 2010, 248, 194-200.	2.8	23
36	Polymorphisms in microRNA binding sites of mucin genes as predictors of clinical outcome in colorectal cancer patients. Carcinogenesis, 2017, 38, 28-39.	2.8	23

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37	Epigenome-wide analysis of DNA methylation reveals a rectal cancer-specific epigenomic signature. Epigenomics, 2016, 8, 1193-1207.	2.1	22
38	Association between polymorphisms of TAS2R16 and susceptibility to colorectal cancer. BMC Gastroenterology, 2017, 17, 104.	2.0	21
39	Do polymorphisms and haplotypes of mismatch repair genes modulate risk of sporadic colorectal cancer?. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 648, 40-45.	1.0	20
40	Evaluating chromosomal damage in workers exposed to hexavalent chromium and the modulating role of polymorphisms of DNA repair genes. International Archives of Occupational and Environmental Health, 2012, 85, 473-481.	2.3	20
41	Variations in mismatch repair genes and colorectal cancer risk and clinical outcome. Mutagenesis, 2014, 29, 259-265.	2.6	20
42	MicroRNA-binding site polymorphisms in genes involved in colorectal cancer etiopathogenesis and their impact on disease prognosis. Mutagenesis, 2017, 32, 533-542.	2.6	20
43	Investigation of single and synergic effects of NLRC5 and PD-L1 variants on the risk of colorectal cancer. PLoS ONE, 2018, 13, e0192385.	2.5	20
44	Functional Polymorphisms in DNA Repair Genes Are Associated with Sporadic Colorectal Cancer Susceptibility and Clinical Outcome. International Journal of Molecular Sciences, 2019, 20, 97.	4.1	20
45	Metabolic gene variants associated with chromosomal aberrations in healthy humans. Genes Chromosomes and Cancer, 2015, 54, 260-266.	2.8	19
46	Genetic variation of acquired structural chromosomal aberrations. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 836, 13-21.	1.7	19
47	Genotype and Haplotype Analyses of TP53 Gene in Breast Cancer Patients: Association with Risk and Clinical Outcomes. PLoS ONE, 2015, 10, e0134463.	2.5	19
48	NBN 657del5 heterozygous mutations and colorectal cancer risk in the Czech Republic. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2009, 666, 64-67.	1.0	17
49	Post-treatment recovery of suboptimal DNA repair capacity and gene expression levels in colorectal cancer patients. Molecular Carcinogenesis, 2015, 54, 769-778.	2.7	16
50	DNA and chromosomal damage in medical workers exposed to anaesthetic gases assessed by the lymphocyte cytokinesis-block micronucleus (CBMN) assay. A critical review. Mutation Research - Reviews in Mutation Research, 2016, 770, 26-34.	5.5	15
51	Single nucleotide polymorphisms within MUC4 are associated with colorectal cancer survival. PLoS ONE, 2019, 14, e0216666.	2.5	15
52	Polymorphisms in Non-coding RNA Genes and Their Targets Sites as Risk Factors of Sporadic Colorectal Cancer. Advances in Experimental Medicine and Biology, 2016, 937, 123-149.	1.6	13
53	Mesothelin promoter variants are associated with increased soluble mesothelin-related peptide levels in asbestos-exposed individuals. Occupational and Environmental Medicine, 2017, 74, 457-464.	2.8	13
54	Telomere length in circulating lymphocytes: Association with chromosomal aberrations. Genes Chromosomes and Cancer, 2015, 54, 194-196.	2.8	12

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55	Genetic variation in the major mitotic checkpoint genes associated with chromosomal aberrations in healthy humans. Cancer Letters, 2016, 380, 442-446.	7.2	12
56	DNA Mismatch Repair Gene Variants in Sporadic Solid Cancers. International Journal of Molecular Sciences, 2020, 21, 5561.	4.1	12
57	Analysis of MicroRNA Expression Changes During the Course of Therapy In Rectal Cancer Patients. Frontiers in Oncology, 2021, 11, 702258.	2.8	11
58	Telomere length in peripheral blood lymphocytes related to genetic variation in telomerase, prognosis and clinicopathological features in breast cancer patients. Mutagenesis, 2020, 35, 491-497.	2.6	11
59	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. Toxicology and Applied Pharmacology, 2013, 271, 1-12.	2.8	10
60	Epistatic effect of TLR3 and cGASâ€STINGâ€KKÎµâ€TBK1â€IFN signaling variants on colorectal cancer risk. Cancer Medicine, 2020, 9, 1473-1484.	2.8	10
61	Cyclin D1 splice site variant triggers chromosomal aberrations in healthy humans. Leukemia, 2014, 28, 721-722.	7.2	9
62	Genetic variation associated with chromosomal aberration frequency: A genomeâ€wide association study. Environmental and Molecular Mutagenesis, 2019, 60, 17-28.	2.2	9
63	Association between CASP8 â€“652 6N Del Polymorphism (rs3834129) and Colorectal Cancer Risk: Results from a Multi-Centric Study. PLoS ONE, 2014, 9, e85538.	2.5	8
64	Molecular characteristics of mismatch repair genes in sporadic colorectal tumors in Czech patients. BMC Medical Genetics, 2014, 15, 17.	2.1	8
65	Do GST Polymorphisms Modulate the Frequency of Chromosomal Aberrations in Healthy Subjects?. Environmental Health Perspectives, 2009, 117, A384-5; author reply A385.	6.0	7
66	DNA damage, DNA repair rates and mRNA expression levels of cell cycle genes (TP53, p21CDKN1A, BCL2) Tj ETQq0 0 0 rgBT /Overlock 1	2.8	7
67	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
68	Genetic variations in microRNA-binding sites of solute carrier transporter genes as predictors of clinical outcome in colorectal cancer. Carcinogenesis, 2021, 42, 378-394.	2.8	6
69	Discovery of Long Non-Coding RNA MALAT1 Amplification in Precancerous Colorectal Lesions. International Journal of Molecular Sciences, 2022, 23, 7656.	4.1	6
70	Response to Li and Hopper. American Journal of Human Genetics, 2021, 108, 527-529.	6.2	5
71	Genetic variations in 3â€²UTRs ofSMUG1andNEIL2genes modulate breast cancer risk, survival and therapy response. Mutagenesis, 2021, 36, 269-279.	2.6	5
72	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.	2.6	5

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73	Mutational analysis of driver genes defines the colorectal adenoma: in situ carcinoma transition. Scientific Reports, 2022, 12, 2570.	3.3	5
74	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.	4.1	5
75	Polymorphisms within Autophagy-Related Genes Influence the Risk of Developing Colorectal Cancer: A Meta-Analysis of Four Large Cohorts. Cancers, 2021, 13, 1258.	3.7	3
76	DNA repair gene polymorphisms and chromosomal aberrations in healthy, nonsmoking population. DNA Repair, 2021, 101, 103079.	2.8	3
77	Local Immune Changes in Early Stages of Inflammation and Carcinogenesis Correlate with the Collagen Scaffold Changes of the Colon Mucosa. Cancers, 2021, 13, 2463.	3.7	3
78	DNA Repair Gene Polymorphisms and Chromosomal Aberrations in Exposed Populations. Frontiers in Genetics, 2021, 12, 691947.	2.3	3
79	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.	4.1	3
80	Evaluation of tumor suppressor gene expressions and aberrant methylation in the colon of cancer-induced rats: a pilot study. Molecular Biology Reports, 2013, 40, 5921-5929.	2.3	2
81	A novel c. 204 Ile68Met germline variant in exon 2 of the mutL homolog 1 gene in a colorectal cancer patient. Oncology Letters, 2015, 9, 183-186.	1.8	2
82	Expression quantitative trait loci in ABC transporters are associated with survival in 5-FU treated colorectal cancer patients. Mutagenesis, 2020, 35, 273-281.	2.6	2
83	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
84	Single nucleotide polymorphisms within Mucin-type O-glycan genes are associated with colorectal cancer survival.. Journal of Clinical Oncology, 2018, 36, e15607-e15607.	1.6	0
85	Circulating microRNA: Searching for new players in assessment of therapy response in colorectal cancer patients.. Journal of Clinical Oncology, 2022, 40, 183-183.	1.6	0