BarnabÃ¡s Wichmann

List of Publications by Year
in descending order

23 papers	986 citations	430874 18 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1740 citing authors

#	Article	IF	Citations
1	Detection of Methylated SEPT9 in Plasma Is a Reliable Screening Method for Both Left- and Right-Sided Colon Cancers. PLoS ONE, 2012, 7, e46000.	2.5	155
2	Colorectal adenoma and cancer detection based on altered methylation pattern of SFRP1, SFRP2, SDC2, and PRIMA1 in plasma samples. Epigenetics, 2017, 12, 751-763.	2.7	92
3	Detection of Methylated Septin 9 in Tissue and Plasma of Colorectal Patients with Neoplasia and the Relationship to the Amount of Circulating Cell-Free DNA. PLoS ONE, 2014, 9, e115415.	2.5	87
4	Aberrant DNA methylation of WNT pathway genes in the development and progression of CIMP-negative colorectal cancer. Epigenetics, 2016, 11, 588-602.	2.7	67
5	DNA hypermethylation and decreased mRNA expression of MAL, PRIMA1, PTGDR and SFRP1 in colorectal adenoma and cancer. BMC Cancer, 2015, 15, 736.	2.6	53
6	Dysplasia-Carcinoma Transition Specific Transcripts in Colonic Biopsy Samples. PLoS ONE, 2012, 7, e48547.	2.5	52
7	Aging related methylation influences the gene expression of key control genes in colorectal cancer and adenoma. World Journal of Gastroenterology, 2016, 22, 10325.	3.3	49
8	Gene promoter and exon DNA methylation changes in colon cancer development â€“ mRNA expression and tumor mutation alterations. BMC Cancer, 2018, 18, 695.	2.6	45
9	Comprehensive DNA Methylation Analysis Reveals a Common Ten-Gene Methylation Signature in Colorectal Adenomas and Carcinomas. PLoS ONE, 2015, 10, e0133836.	2.5	42
10	Colorectal adenoma and carcinoma specific miRNA profiles in biopsy and their expression in plasma specimens. Clinical Epigenetics, 2017, 9, 22.	4.1	40
11	Blood Collection and Cell-Free DNA Isolation Methods Influence the Sensitivity of Liquid Biopsy Analysis for Colorectal Cancer Detection. Pathology and Oncology Research, 2019, 25, 915-923.	1.9	39
12	Genome-wide expression profiling in colorectal cancer focusing on lncRNAs in the adenoma-carcinoma transition. BMC Cancer, 2019, 19, 1059.	2.6	36
13	Comparison of Circulating miRNAs Expression Alterations in Matched Tissue and Plasma Samples During Colorectal Cancer Progression. Pathology and Oncology Research, 2019, 25, 97-105.	1.9	36
14	Cell Free DNA of Tumor Origin Induces a â€˜Metastaticâ€™ Expression Profile in HT-29 Cancer Cell Line. PLoS ONE, 2015, 10, e0131699.	2.5	32
15	Myofibroblast-Derived SFRP1 as Potential Inhibitor of Colorectal Carcinoma Field Effect. PLoS ONE, 2014, 9, e106143.	2.5	32
16	Peripheral Blood Based Discrimination of Ulcerative Colitis and Crohnâ€™s Disease from Non-IBD Colitis by Genome-Wide Gene Expression Profiling. Disease Markers, 2011, 30, 1-17.	1.3	26
17	Circadian Rhythm of Methylated Septin 9, Cell-Free DNA Amount and Tumor Markers in Colorectal Cancer Patients. Pathology and Oncology Research, 2017, 23, 699-706.	1.9	26
18	Protective Role of Decorin in Primary Hepatocellular Carcinoma. Frontiers in Oncology, 2020, 10, 645.	2.8	21

#	Article	IF	Citations
19	Comparison of Automated and Manual DNA Isolation Methods for DNA Methylation Analysis of Biopsy, Fresh Frozen, and Formalin-Fixed, Paraffin-Embedded Colorectal Cancer Samples. Journal of the Association for Laboratory Automation, 2015, 20, 642-651.	2.8	19
20	miRNA Isolation from FFPET Specimen: A Technical Comparison of miRNA and Total RNA Isolation Methods. Pathology and Oncology Research, 2016, 22, 505-513.	1.9	12
21	Promoter Hypomethylation and Increased Expression of the Long Non-coding RNA LINC00152 Support Colorectal Carcinogenesis. Pathology and Oncology Research, 2020, 26, 2209-2223.	1.9	11
22	Gene-expression analysis of a colorectal cancer-specific discriminatory transcript set on formalin-fixed, paraffin-embedded (FFPE) tissue samples. Diagnostic Pathology, 2015, 10, 126.	2.0	7
23	Construction of a multiplex mutation hot spot PCR panel: the first step towards colorectal cancer genotyping on the GS Junior platform. Journal of Cancer, 2017, 8, 162-173.	2.5	7