Manon van Engeland

List of Publications by Year
in descending order

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128 papers	11,802 citations	41344 49 h-index	27406 106 g-index
129 all docs	129 docs citations	129 times ranked	17113 citing authors

#	Article	IF	Citations
1	Annexin V-Affinity assay: A review on an apoptosis detection system based on phosphatidylserine exposure. Cytometry, 1998, 31, 1-9.	1.8	1,567
2	Epigenetic inactivation of SFRP genes allows constitutive WNT signaling in colorectal cancer. Nature Genetics, 2004, 36, 417-422.	21.4	976
3	A genomic screen for genes upregulated by demethylation and histone deacetylase inhibition in human colorectal cancer. Nature Genetics, 2002, 31, 141-149.	21.4	820
4	Analysis of DNA methylation in cancer: location revisited. Nature Reviews Clinical Oncology, 2018, 15, 459-466.	27.6	486
5	A novel assay to measure loss of plasma membrane asymmetry during apoptosis of adherent cells in culture. Cytometry, 1996, 24, 131-139.	1.8	451
6	Comparing the DNA Hypermethylome with Gene Mutations in Human Colorectal Cancer. PLoS Genetics, 2007, 3, e157.	3.5	307
7	VHL and HIF signalling in renal cell carcinogenesis. Journal of Pathology, 2010, 221, 125-138.	4.5	258
8	The Nâ€•myc downstream regulated gene (NDRG) family: diverse functions, multiple applications. FASEB Journal, 2010, 24, 4153-4166.	0.5	249
9	GATA-4 and GATA-5 Transcription Factor Genes and Potential Downstream Antitumor Target Genes Are Epigenetically Silenced in Colorectal and Gastric Cancer. Molecular and Cellular Biology, 2003, 23, 8429-8439.	2.3	234
10	Characteristics of triple-negative breast cancer. Journal of Cancer Research and Clinical Oncology, 2011, 137, 183-192.	2.5	225
11	Methylation ofTFPI2in Stool DNA: A Potential Novel Biomarker for the Detection of Colorectal Cancer. Cancer Research, 2009, 69, 4691-4699.	0.9	204
12	Lamin A/C Is a Risk Biomarker in Colorectal Cancer. PLoS ONE, 2008, 3, e2988.	2.5	186
13	N-Myc Downstream-Regulated Gene 4 (NDRG4): A Candidate Tumor Suppressor Gene and Potential Biomarker for Colorectal Cancer. Journal of the National Cancer Institute, 2009, 101, 916-927.	6.3	180
14	Colorectal Cancer Epigenetics: Complex Simplicity. Journal of Clinical Oncology, 2011, 29, 1382-1391.	1.6	180
15	Plasma Membrane Alterations and Cytoskeletal Changes in Apoptosis. Experimental Cell Research, 1997, 235, 421-430.	2.6	176
16	The emerging role of GATA transcription factors in development and disease. Expert Reviews in Molecular Medicine, 2016, 18, e3.	3.9	172
17	K-ras mutations and RASSF1A promoter methylation in colorectal cancer. Oncogene, 2002, 21, 3792-3795.	5.9	168
18	GATA4 and GATA5 are Potential Tumor Suppressors and Biomarkers in Colorectal Cancer. Clinical Cancer Research, 2009, 15, 3990-3997.	7.0	166

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19	The CpG Island Methylator Phenotype: What's in a Name?. Cancer Research, 2013, 73, 5858-5868.	0.9	154
20	Epigenetic Regulation of Tumor Endothelial Cell Anergy: Silencing of Intercellular Adhesion Molecule-1 by Histone Modifications. Cancer Research, 2006, 66, 10770-10777.	0.9	139
21	Genomic and Epigenomic Integration Identifies a Prognostic Signature in Colon Cancer. Clinical Cancer Research, 2011, 17, 1535-1545.	7.0	136
22	Identification of Epigenetically Silenced Genes in Tumor Endothelial Cells. Cancer Research, 2007, 67, 4138-4148.	0.9	126
23	Analysis of Promoter CpG Island Hypermethylation in Cancer: Location, Location, Location!. Clinical Cancer Research, 2011, 17, 4225-4231.	7.0	121
24	Epigenetics in renal cell cancer: mechanisms and clinical applications. Nature Reviews Urology, 2018, 15, 430-451.	3.8	115
25	Genetics and epigenetics of renal cell cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2008, 1785, 133-155.	7.4	110
26	A Let-7 MicroRNA SNP in the KRAS 3â€²UTR Is Prognostic in Early-Stage Colorectal Cancer. Clinical Cancer Research, 2011, 17, 7723-7731.	7.0	106
27	Early Life Exposure to Famine and Colorectal Cancer Risk: A Role for Epigenetic Mechanisms. PLoS ONE, 2009, 4, e7951.	2.5	104
28	The Effect of the Cyclin-Dependent Kinase Inhibitor Olomoucine on Cell Cycle Kinetics. Experimental Cell Research, 1997, 236, 4-15.	2.6	103
29	Angiostatic activity of DNA methyltransferase inhibitors. Molecular Cancer Therapeutics, 2006, 5, 467-475.	4.1	93
30	Lifestyle, Diet, and Colorectal Cancer Risk According to (Epi)genetic Instability: Current Evidence and Future Directions of Molecular Pathological Epidemiology. Current Colorectal Cancer Reports, 2017, 13, 455-469.	0.5	91
31	Molecular Tests for Colorectal Cancer Screening. Clinical Colorectal Cancer, 2011, 10, 8-23.	2.3	90
32	Associations of dietary methyl donor intake with MLH1 promoter hypermethylation and related molecular phenotypes in sporadic colorectal cancer. Carcinogenesis, 2008, 29, 1765-1773.	2.8	89
33	The CpG island methylator phenotype in colorectal cancer: Progress and problems. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1825, 77-85.	7.4	89
34	Dual targeting of epigenetic therapy in cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2007, 1775, 76-91.	7.4	85
35	Differential Gene Expression in Ovarian Tumors Reveals Dusp 4 and Serpina 5 As Key Regulators for Benign Behavior of Serous Borderline Tumors. Journal of Clinical Oncology, 2005, 23, 7257-7264.	1.6	82
36	CHFR promoter hypermethylation in colon cancer correlates with the microsatellite instability phenotype. Carcinogenesis, 2005, 26, 1152-1156.	2.8	81

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37	Dietary Folate, Methionine, Riboflavin, and Vitamin B-6 and Risk of Sporadic Colorectal Cancer. Journal of Nutrition, 2008, 138, 2372-2378.	2.9	80
38	Genetic Variants of Methyl Metabolizing Enzymes and Epigenetic Regulators: Associations with Promoter CpG Island Hypermethylation in Colorectal Cancer. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 3086-3096.	2.5	78
39	Frequent Inactivation of Cysteine Dioxygenase Type 1 Contributes to Survival of Breast Cancer Cells and Resistance to Anthracyclines. Clinical Cancer Research, 2013, 19, 3201-3211.	7.0	77
40	CD44 and OTP Are Strong Prognostic Markers for Pulmonary Carcinoids. Clinical Cancer Research, 2013, 19, 2197-2207.	7.0	77
41	APC mutations in sporadic colorectal carcinomas from The Netherlands Cohort Study. Carcinogenesis, 2004, 25, 1219-1226.	2.8	73
42	Prognostic Significance of Gremlin1 (GREM1) Promoter CpG Island Hypermethylation in Clear Cell Renal Cell Carcinoma. American Journal of Pathology, 2010, 176, 575-584.	3.8	66
43	Genetic and Epigenetic Alterations in the von Hippel-Lindau Gene: the Influence on Renal Cancer Prognosis. Clinical Cancer Research, 2008, 14, 782-787.	7.0	65
44	Body size and risk for colorectal cancers showing BRAF mutations or microsatellite instability: a pooled analysis. International Journal of Epidemiology, 2012, 41, 1060-1072.	1.9	65
45	Body Size, Physical Activity and Risk of Colorectal Cancer with or without the CpG Island Methylator Phenotype (CIMP). PLoS ONE, 2011, 6, e18571.	2.5	64
46	MEN1Gene Mutation and Reduced Expression Are Associated With Poor Prognosis in Pulmonary Carcinoids. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E374-E378.	3.6	62
47	Physical Activity, Occupational Sitting Time, and Colorectal Cancer Risk in the Netherlands Cohort Study. American Journal of Epidemiology, 2013, 177, 514-530.	3.4	60
48	Integrated analysis of chromosomal, microsatellite and epigenetic instability in colorectal cancer identifies specific associations between promoter methylation of pivotal tumour suppressor and DNA repair genes and specific chromosomal alterations. Carcinogenesis, 2008, 29, 434-439.	2.8	59
49	Dietary heme iron and the risk of colorectal cancer with specific mutations in KRAS and APC. Carcinogenesis, 2013, 34, 2757-2766.	2.8	57
50	Childhood and adolescent energy restriction and subsequent colorectal cancer risk: results from the Netherlands Cohort Study. International Journal of Epidemiology, 2010, 39, 1333-1344.	1.9	51
51	A Four-Gene Promoter Methylation Marker Panel Consisting of GREM1, NEURL, LAD1, and NEFH Predicts Survival of Clear Cell Renal Cell Cancer Patients. Clinical Cancer Research, 2017, 23, 2006-2018.	7.0	51
52	An Inactivating Mutation in HDAC2 Leads to Dysregulation of Apoptosis Mediated by APAF1. Gastroenterology, 2008, 135, 1654-1664.e2.	1.3	50
53	Promoter Methylation of CDO1 Identifies Clear-Cell Renal Cell Cancer Patients with Poor Survival Outcome. Clinical Cancer Research, 2015, 21, 3492-3500.	7.0	50
54	An exploration of pathways involved in lung carcinoid progression using gene expression profiling. Carcinogenesis, 2013, 34, 2726-2737.	2.8	49

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55	Chordoma: the entity. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 655-669.	7.4	47
56	Promoter CpG island hypermethylation- and H3K9me3 and H3K27me3-mediated epigenetic silencing targets the deleted in colon cancer (DCC) gene in colorectal carcinogenesis without affecting neighboring genes on chromosomal region 18q21. Carcinogenesis, 2009, 30, 1041-1048.	2.8	46
57	DNA Methylation of Phosphatase and Actin Regulator 3 Detects Colorectal Cancer in Stool and Complements FIT. Cancer Prevention Research, 2012, 5, 464-472.	1.5	46
58	Genetics and epigenetics of cutaneous malignant melanoma: A concert out of tune. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1826, 89-102.	7.4	46
59	Early onset MSI-H colon cancer with MLH1 promoter methylation, is there a genetic predisposition?. BMC Cancer, 2010, 10, 180.	2.6	45
60	Tracking the Molecular Features of Nonpolypoid Colorectal Neoplasms: A Systematic Review and Meta-Analysis. American Journal of Gastroenterology, 2013, 108, 1042-1056.	0.4	45
61	Polymorphisms in genes of the reninâ€angiotensinâ€aldosterone system and renal cell cancer risk: Interplay with hypertension and intakes of sodium, potassium and fluid. International Journal of Cancer, 2015, 136, 1104-1116.	5.1	44
62	Prognostic DNA methylation markers for renal cell carcinoma: a systematic review. Epigenomics, 2017, 9, 1243-1257.	2.1	44
63	Dietary Folate Intake in Combination with MTHFR C677T Genotype and Promoter Methylation of Tumor Suppressor and DNA Repair Genes in Sporadic Colorectal Adenomas. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 327-333.	2.5	43
64	Body Size and Colorectal Cancer Risk After 16.3 Years of Follow-up: An Analysis From the Netherlands Cohort Study. American Journal of Epidemiology, 2011, 174, 1127-1139.	3.4	43
65	Epigenetics in radiotherapy: Where are we heading?. Radiotherapy and Oncology, 2014, 111, 168-177.	0.6	43
66	Prostate Cancer Detected by Methylated Gene Markers in Histopathologically Cancer-Negative Tissues from Men with Subsequent Positive Biopsies. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 2717-2722.	2.5	42
67	Test Performance of Immunologic Fecal Occult Blood Testing and Sigmoidoscopy Compared with Primary Colonoscopy Screening for Colorectal Advanced Adenomas. Cancer Prevention Research, 2011, 4, 1563-1571.	1.5	40
68	Formalin-fixed, paraffin-embedded (FFPE) tissue epigenomics using Infinium HumanMethylation450 BeadChip assays. Laboratory Investigation, 2015, 95, 833-842.	3.7	40
69	Promoter CpG island methylation markers in colorectal cancer: the road ahead. Epigenomics, 2012, 4, 179-194.	2.1	38
70	Epigenetic Changes in Basal Cell Carcinoma Affect SHH and WNT Signaling Components. PLoS ONE, 2012, 7, e51710.	2.5	38
71	Promoter CpG Island Hypermethylation in Dysplastic Nevus and Melanoma: CLDN11 as an Epigenetic Biomarker for Malignancy. Journal of Investigative Dermatology, 2014, 134, 2957-2966.	0.7	38
72	Prognostic DNA methylation markers for sporadic colorectal cancer: a systematic review. Clinical Epigenetics, 2018, 10, 35.	4.1	38

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73	Dietary methyl donors, methyl metabolizing enzymes, and epigenetic regulators: dietâ€“gene interactions and promoter CpG island hypermethylation in colorectal cancer. Cancer Causes and Control, 2011, 22, 1-12.	1.8	37
74	Molecular stool testing as an alternative for surveillance colonoscopy: a cross-sectional cohort study. BMC Cancer, 2017, 17, 116.	2.6	37
75	Mitochondrial DNA copy number in colorectal cancer: between tissue comparisons, clinicopathological characteristics and survival. Carcinogenesis, 2015, 36, bgv151.	2.8	36
76	Cost-effectiveness of High-performance Biomarker TestsÂvsÂFecal Immunochemical Test for Noninvasive ColorectalÂCancer Screening. Clinical Gastroenterology and Hepatology, 2018, 16, 504-512.e11.	4.4	36
77	Promoter CpG island methylation of RET predicts poor prognosis in stage II colorectal cancer patients. Molecular Oncology, 2014, 8, 679-688.	4.6	33
78	Dietary acrylamide intake and the risk of colorectal cancer with specific mutations in KRAS and APC. Carcinogenesis, 2014, 35, 1032-1038.	2.8	31
79	Chromosome 5q Loss in Colorectal Flat Adenomas. Clinical Cancer Research, 2012, 18, 4560-4569.	7.0	30
80	The adenoma hunt in colorectal cancer screening: defining the target. Journal of Pathology, 2012, 226, 1-6.	4.5	30
81	Emerging evidence for CHFR as a cancer biomarker: from tumor biology to precision medicine. Cancer and Metastasis Reviews, 2013, 33, 161-71.	5.9	30
82	Loss of SerpinA5 protein expression is associated with advanced-stage serous ovarian tumors. Modern Pathology, 2011, 24, 463-470.	5.5	29
83	CHFR Promoter Methylation Indicates Poor Prognosis in Stage II Microsatellite Stable Colorectal Cancer. Clinical Cancer Research, 2014, 20, 3261-3271.	7.0	29
84	Spectrin Repeat Containing Nuclear Envelope 1 and Forkhead Box Protein E1 Are Promising Markers for the Detection of Colorectal Cancer in Blood. Cancer Prevention Research, 2015, 8, 157-164.	1.5	29
85	Prognostic DNA methylation markers for hormone receptor breast cancer: a systematic review. Breast Cancer Research, 2020, 22, 13.	5.0	29
86	TP53 overexpression in recurrent endometrial carcinoma. Gynecologic Oncology, 2006, 100, 397-404.	1.4	28
87	Analytical sensitivity and stability of DNA methylation testing in stool samples for colorectal cancer detection. Cellular Oncology (Dordrecht), 2012, 35, 309-315.	4.4	25
88	Dietary folate intake and k-ras mutations in sporadic colon and rectal cancer in the Netherlands Cohort Study. International Journal of Cancer, 2005, 114, 824-830.	5.1	23
89	Pharmacoepigenomics in colorectal cancer: a step forward in predicting prognosis and treatment response. Pharmacogenomics, 2008, 9, 1903-1916.	1.3	23
90	Methylation-associated dysregulation of the suppressor of cytokine signaling-3 gene in multiple myeloma. Epigenetics, 2011, 6, 1047-1052.	2.7	23

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91	Promoter methylation of Wnt-antagonists in polypoid and nonpolypoid colorectal adenomas. BMC Cancer, 2013, 13, 603.	2.6	23
92	Dietary Folate and APC Mutations in Sporadic Colorectal Cancer. Journal of Nutrition, 2006, 136, 3015-3021.	2.9	22
93	Taxane resistance in breast cancer: A closed HER2 circuit?. Biochimica Et Biophysica Acta: Reviews on Cancer, 2012, 1825, 197-206.	7.4	22
94	Body Size, Physical Activity, Early-Life Energy Restriction, and Associations with Methylated Insulin-like Growth Factorâ€“Binding Protein Genes in Colorectal Cancer. Cancer Epidemiology Biomarkers and Prevention, 2014, 23, 1852-1862.	2.5	22
95	Identification of DNA methylation markers for early detection of CRC indicates a role for nervous system-related genes in CRC. Clinical Epigenetics, 2021, 13, 80.	4.1	22
96	Past, Present and Future of Epigenetics in Adrenocortical Carcinoma. Cancers, 2020, 12, 1218.	3.7	21
97	Comprehensive Mutation Analysis in Colorectal Flat Adenomas. PLoS ONE, 2012, 7, e41963.	2.5	20
98	The mTOR Pathway and the Role of Energy Balance Throughout Life in Colorectal Cancer Etiology and Prognosis: Unravelling Mechanisms Through a Multidimensional Molecular Epidemiologic Approach. Current Nutrition Reports, 2013, 2, 19-26.	4.3	19
99	Decoy receptor 1 (DCR1) promoter hypermethylation and response to irinotecan in metastatic colorectal cancer. Oncotarget, 2017, 8, 63140-63154.	1.8	19
100	Promoter CpG island methylation in ion transport mechanisms and associated dietary intakes jointly influence the risk of clear-cell renal cell cancer. International Journal of Epidemiology, 2017, 46, dyw266.	1.9	18
101	Analysis of RET promoter CpG island methylation using methylation-specific PCR (MSP), pyrosequencing, and methylation-sensitive high-resolution melting (MS-HRM): impact on stage II colon cancer patient outcome. Clinical Epigenetics, 2016, 8, 44.	4.1	18
102	Genetic Variants in the Insulin-like Growth Factor Pathway and Colorectal Cancer Risk in the Netherlands Cohort Study. Scientific Reports, 2015, 5, 14126.	3.3	16
103	SOX17 expression and its downâ€regulation by promoter methylation in cervical adenocarcinoma in situ and adenocarcinoma. Histopathology, 2020, 76, 383-393.	2.9	15
104	Alcohol consumption, alcohol dehydrogenase 1C (ADH1C) genotype, and risk of colorectal cancer in the Netherlands Cohort Study on diet and cancer. Alcohol, 2011, 45, 217-225.	1.7	14
105	Prognostic Significance of Promoter Hypermethylation and Diminished Gene Expression of SYNPO2 in Melanoma. Journal of Investigative Dermatology, 2015, 135, 2328-2331.	0.7	13
106	Diagnostic DNA Methylation Biomarkers for Renal Cell Carcinoma: A Systematic Review. European Urology Oncology, 2021, 4, 215-226.	5.4	12
107	Different angiogenic potential in low and high grade sporadic clear cell renal cell carcinoma is not related to alterations in the von Hippel-Lindau gene. Cellular Oncology, 2009, 31, 371-82.	1.9	12
108	A combined literature and in silico analysis enlightens the role of the NDRG family in the gut. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2140-2151.	2.4	11

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109	Viewing the Epigenetics of Colorectal Cancer through the Window of Folic Acid Effects. Cancer Prevention Research, 2010, 3, 1509-1512.	1.5	10
110	Alcohol Consumption and Mutations or Promoter Hypermethylation of thevon Hippelâ€“LindauGene in Renal Cell Carcinoma. Cancer Epidemiology Biomarkers and Prevention, 2008, 17, 3543-3550.	2.5	9
111	Alcohol and Dietary Folate Intake and Promoter CpG Island Methylation in Clear-Cell Renal Cell Cancer. Nutrition and Cancer, 2016, 68, 1097-1107.	2.0	9
112	Gene Promoter Methylation in Endometrial Carcinogenesis. Pathology and Oncology Research, 2019, 25, 659-667.	1.9	8
113	Switches of SOX17 and SOX2 expression in the development of squamous metaplasia and squamous intraepithelial lesions of the uterine cervix. Cancer Medicine, 2020, 9, 6330-6343.	2.8	8
114	Potential role of gene-environment interactions in ion transport mechanisms in the etiology of renal cell cancer. Scientific Reports, 2016, 6, 34262.	3.3	7
115	Molecular profiles of response to neoadjuvant chemoradiotherapy in oesophageal cancers to develop personalized treatment strategies. Molecular Oncology, 2021, 15, 901-914.	4.6	7
116	Molecular pathways in post-colonoscopy versus detected colorectal cancers: results from a nested caseâ€“control study. British Journal of Cancer, 2022, 126, 865-873.	6.4	6
117	Details matter: the role of genomic location and assay standardization in DNA methylation analyses. Epigenomics, 2017, 9, 933-935.	2.1	5
118	Energy restriction at young age, genetic variants in the insulinâ€like growth factor pathway and colorectal cancer risk in the Netherlands Cohort Study. International Journal of Cancer, 2017, 140, 272-284.	5.1	5
119	Germline polymorphisms in the Von Hippel-Lindau and Hypoxia-inducible factor 1-alpha genes, gene-environment and gene-gene interactions and renal cell cancer. Scientific Reports, 2020, 10, 137.	3.3	5
120	Technical considerations in PCR-based assay design for diagnostic DNA methylation cancer biomarkers. Clinical Epigenetics, 2022, 14, 56.	4.1	5
121	Differential Orthopedia Homeobox expression in pulmonary carcinoids is associated with changes in <scp>DNA</scp> methylation. International Journal of Cancer, 2022, 150, 1987-1997.	5.1	4
122	Methylation of RASSF10 promotes cell proliferation and serves as a docetaxel resistant marker in human breast cancer. Discovery Medicine, 2015, 20, 261-71.	0.5	3
123	Genetic Profiling of Colorectal Carcinomas of Patients with Primary Sclerosing Cholangitis and Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2022, , .	1.9	2
124	Assessing opportunities for coordinated <scp>R</scp>&<scp>D</scp> in early cancer detection and management in <scp>E</scp>urope. International Journal of Cancer, 2017, 140, 1700-1701.	5.1	1
125	The trans-DATA study: aims and design of a translational breast cancer prognostic marker identification study. Diagnostic and Prognostic Research, 2019, 3, 20.	1.8	1
126	Evaluation of a seven gene mutational profile as a prognostic factor in a population-based study of clear cell renal cell carcinoma. Scientific Reports, 2022, 12, 6478.	3.3	1

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127	Lessons from a systematic literature search on diagnostic DNA methylation biomarkers for colorectal cancer: how to increase research value and decrease research waste. Clinical and Translational Gastroenterology, 2022, Publish Ahead of Print, .	2.5	1
128	Molecular markers and the future of colorectal cancer screening. Colorectal Cancer, 2013, 2, 95-97.	0.8	0