

# Gerrit A Meijer

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

4,980  
citations

147801

31  
h-index

98798

67  
g-index

102  
all docs

102  
docs citations

102  
times ranked

10832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct detection of early-stage cancers using circulating tumor DNA. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	808
2	Mismatch Repair Status and <i>BRAF</i> Mutation Status in Metastatic Colorectal Cancer Patients: A Pooled Analysis of the CAIRO, CAIRO2, COIN, and FOCUS Studies. <i>Clinical Cancer Research</i> , 2014, 20, 5322-5330.	7.0	561
3	Nontemplated Nucleotide Additions Distinguish the Small RNA Composition in Cells from Exosomes. <i>Cell Reports</i> , 2014, 8, 1649-1658.	6.4	484
4	DNA copy number analysis of fresh and formalin-fixed specimens by shallow whole-genome sequencing with identification and exclusion of problematic regions in the genome assembly. <i>Genome Research</i> , 2014, 24, 2022-2032.	5.5	362
5	BAC to the future! or oligonucleotides: a perspective for micro array comparative genomic hybridization (array CGH). <i>Nucleic Acids Research</i> , 2006, 34, 445-450.	14.5	192
6	White blood cell and cell-free DNA analyses for detection of residual disease in gastric cancer. <i>Nature Communications</i> , 2020, 11, 525.	12.8	158
7	Serrated neoplasia's role in colorectal carcinogenesis and clinical implications. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2015, 12, 401-409.	17.8	149
8	CFTR is a tumor suppressor gene in murine and human intestinal cancer. <i>Oncogene</i> , 2016, 35, 4191-4199.	5.9	129
9	Aurora kinase A (AURKA) expression in colorectal cancer liver metastasis is associated with poor prognosis. <i>British Journal of Cancer</i> , 2013, 109, 2445-2452.	6.4	100
10	Clinical risk factors of colorectal cancer in patients with serrated polyposis syndrome: a multicentre cohort analysis. <i>Gut</i> , 2017, 66, 278-284.	12.1	94
11	The role of KCNQ1 in mouse and human gastrointestinal cancers. <i>Oncogene</i> , 2014, 33, 3861-3868.	5.9	93
12	Comprehensive molecular characterization of multifocal glioblastoma proves its monoclonal origin and reveals novel insights into clonal evolution and heterogeneity of glioblastomas. <i>Neuro-Oncology</i> , 2017, 19, 546-557.	1.2	86
13	Colorectal cancer candidate biomarkers identified by tissue secretome proteome profiling. <i>Journal of Proteomics</i> , 2014, 99, 26-39.	2.4	81
14	Focal aberrations indicate <i>EYA2</i> and <i>hsa-miR-375</i> as oncogene and tumor suppressor in cervical carcinogenesis. <i>Genes Chromosomes and Cancer</i> , 2013, 52, 56-68.	2.8	76
15	Prospective Dutch colorectal cancer cohort: an infrastructure for long-term observational, prognostic, predictive and (randomized) intervention research. <i>Acta Oncologica</i> , 2016, 55, 1273-1280.	1.8	62
16	Genomic landscape of metastatic colorectal cancer. <i>Nature Communications</i> , 2014, 5, 5457.	12.8	61
17	Consensus molecular subtype classification of colorectal adenomas. <i>Journal of Pathology</i> , 2018, 246, 266-276.	4.5	60
18	Multitarget Stool DNA Test Performance in an Average-Risk Colorectal Cancer Screening Population. <i>American Journal of Gastroenterology</i> , 2019, 114, 1909-1918.	0.4	59

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19	Focal chromosomal copy number aberrations in cancer – Needles in a genome haystack. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2698-2704.	4.1	55
20	Nationwide comprehensive gastro-intestinal cancer cohorts: the 3P initiative. <i>Acta Oncologica</i> , 2018, 57, 195-202.	1.8	55
21	MiR expression profiles of paired primary colorectal cancer and metastases by next-generation sequencing. <i>Oncogenesis</i> , 2015, 4, e170-e170.	4.9	53
22	Array Comparative Genomic Hybridization Copy Number Profiling: A New Tool for Translational Research in Solid Malignancies. <i>Seminars in Radiation Oncology</i> , 2008, 18, 98-104.	2.2	45
23	Glucose Transporter 1 (SLC2A1) and Vascular Endothelial Growth Factor A (VEGFA) Predict Survival After Resection of Colorectal Cancer Liver Metastasis. <i>Annals of Surgery</i> , 2016, 263, 138-145.	4.2	44
24	Prognostic value of <i>BRAF</i> and <i>KRAS</i> mutation status in stage II and III microsatellite instable colon cancers. <i>International Journal of Cancer</i> , 2016, 138, 1139-1145.	5.1	43
25	Extent and Location of Tumor-Infiltrating Lymphocytes in Microsatellite-Stable Colon Cancer Predict Outcome to Adjuvant Active Specific Immunotherapy. <i>Clinical Cancer Research</i> , 2016, 22, 346-356.	7.0	42
26	The landscape of genomic copy number alterations in colorectal cancer and their consequences on gene expression levels and disease outcome. <i>Molecular Aspects of Medicine</i> , 2019, 69, 48-61.	6.4	40
27	Candidate driver genes in focal chromosomal aberrations of stage II colon cancer. <i>Journal of Pathology</i> , 2010, 221, 411-424.	4.5	39
28	Novel Stool-Based Protein Biomarkers for Improved Colorectal Cancer Screening. <i>Annals of Internal Medicine</i> , 2017, 167, 855.	3.9	39
29	MGL ligand expression is correlated to BRAF mutation and associated with poor survival of stage III colon cancer patients. <i>Oncotarget</i> , 2015, 6, 26278-26290.	1.8	39
30	DNA hypermethylation analysis in sputum for the diagnosis of lung cancer: training validation set approach. <i>British Journal of Cancer</i> , 2015, 112, 1105-1113.	6.4	37
31	Loss of KCNQ1 expression in stage II and stage III colon cancer is a strong prognostic factor for disease recurrence. <i>British Journal of Cancer</i> , 2016, 115, 1565-1574.	6.4	34
32	Promoter CpG island methylation of <i>RET</i> predicts poor prognosis in stage II colorectal cancer patients. <i>Molecular Oncology</i> , 2014, 8, 679-688.	4.6	33
33	Identification of Differentially Expressed Splice Variants by the Proteogenomic Pipeline Splicify. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1850-1863.	3.8	33
34	Molecular characterization of colorectal adenomas reveals POFUT1 as a candidate driver of tumor progression. <i>International Journal of Cancer</i> , 2020, 146, 1979-1992.	5.1	32
35	Performance of four platforms for KRAS mutation detection in plasma cell-free DNA: ddPCR, Idylla, COBAS z480 and BEAMing. <i>Scientific Reports</i> , 2020, 10, 8122.	3.3	32
36	Study protocol: Whole genome sequencing Implementation in standard Diagnostics for Every cancer patient (WIDE). <i>BMC Medical Genomics</i> , 2020, 13, 169.	1.5	30

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37	Circulating tumor DNA guided adjuvant chemotherapy in stage II colon cancer (MEDOCC-CrEATE): study protocol for a trial within a cohort study. <i>BMC Cancer</i> , 2020, 20, 790.	2.6	30
38	<i>Spectrin Repeat Containing Nuclear Envelope 1</i> and <i>Forkhead Box Protein E1</i> Are Promising Markers for the Detection of Colorectal Cancer in Blood. <i>Cancer Prevention Research</i> , 2015, 8, 157-164.	1.5	29
39	Double somatic mutations in mismatch repair genes are frequent in colorectal cancer after Hodgkin's lymphoma treatment. <i>Gut</i> , 2018, 67, 447-455.	12.1	27
40	Lumican and versican protein expression are associated with colorectal adenoma-to-carcinoma progression. <i>PLoS ONE</i> , 2017, 12, e0174768.	2.5	27
41	Rapid Quantification of Myocardial Fibrosis: A New Macro-Based Automated Analysis. <i>Analytical Cellular Pathology</i> , 2010, 33, 257-269.	1.4	25
42	Epidermal growth factor receptor (EGFR) and prostaglandin-endoperoxide synthase 2 (PTGS2) are prognostic biomarkers for patients with resected colorectal cancer liver metastases. <i>British Journal of Cancer</i> , 2014, 111, 749-755.	6.4	25
43	Long-Term Impact of the Dutch Colorectal Cancer Screening Program on Cancer Incidence and Mortalityâ€”Model-Based Exploration of the Serrated Pathway. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016, 25, 135-144.	2.5	25
44	High Prevalence and Clinical Relevance of Genes Affected by Chromosomal Breaks in Colorectal Cancer. <i>PLoS ONE</i> , 2015, 10, e0138141.	2.5	24
45	High prevalence of advanced colorectal neoplasia and serrated polyposis syndrome in Hodgkin lymphoma survivors. <i>Cancer</i> , 2019, 125, 990-999.	4.1	23
46	Oncogenic Role of miR-15a-3p in 13q Amplicon-Driven Colorectal Adenoma-to-Carcinoma Progression. <i>PLoS ONE</i> , 2015, 10, e0132495.	2.5	22
47	Identification of DNA methylation markers for early detection of CRC indicates a role for nervous system-related genes in CRC. <i>Clinical Epigenetics</i> , 2021, 13, 80.	4.1	22
48	To DNA or not to DNA? That Is the Question, When It Comes to Molecular Subtyping for the Clinic!. <i>Clinical Cancer Research</i> , 2011, 17, 4959-4964.	7.0	21
49	Chromosomal Copy Number Aberrations in Colorectal Metastases Resemble Their Primary Counterparts and Differences Are Typically Non-Recurrent. <i>PLoS ONE</i> , 2014, 9, e86833.	2.5	21
50	The potential of imaging techniques as a screening tool for colorectal cancer: a cost-effectiveness analysis. <i>British Journal of Radiology</i> , 2016, 89, 20150910.	2.2	21
51	Decoy receptor 1 (DCR1) promoter hypermethylation and response to irinotecan in metastatic colorectal cancer. <i>Oncotarget</i> , 2017, 8, 63140-63154.	1.8	19
52	Activity-based differentiation of pathologistsâ€™ workload in surgical pathology. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2009, 454, 623-628.	2.8	18
53	Angiogenesis-Related Markers and Prognosis After Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy for Metastatic Colorectal Cancer. <i>Annals of Surgical Oncology</i> , 2016, 23, 1601-1608.	1.5	18
54	A prognostic classifier for patients with colorectal cancer liver metastasis, based on AURKA, PTGS2 and MMP9. <i>Oncotarget</i> , 2016, 7, 2123-2134.	1.8	17

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55	Evaluation of Cancer-Associated DNA Copy Number Events in Colorectal (Advanced) Adenomas. <i>Cancer Prevention Research</i> , 2018, 11, 403-412.	1.5	15
56	Molecular profiling of longitudinally observed small colorectal polyps: A cohort study. <i>EBioMedicine</i> , 2019, 39, 292-300.	6.1	13
57	Cytogenetic characteristics of oral squamous cell carcinomas in Fanconi anemia. <i>Familial Cancer</i> , 2001, 1, 39-43.	1.9	11
58	Semi-supervised adaptive-height snipping of the hierarchical clustering tree. <i>BMC Bioinformatics</i> , 2015, 16, 15.	2.6	11
59	Driver mutations occur frequently in metastases of well-differentiated small intestine neuroendocrine tumours. <i>Histopathology</i> , 2021, 78, 556-566.	2.9	11
60	Early detection: the impact of genomics. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 471, 165-173.	2.8	10
61	Expression of the immune modulator secretory leukocyte protease inhibitor (SLPI) in colorectal cancer liver metastases and matched primary tumors is associated with a poorer prognosis. <i>Oncolmmunology</i> , 2020, 9, 1832761.	4.6	10
62	<i>RNF43</i> mutation analysis in serrated polyposis, sporadic serrated polyps and Lynch syndrome polyps. <i>Histopathology</i> , 2021, 78, 749-758.	2.9	10
63	Reduced genomic tumor heterogeneity after neoadjuvant chemotherapy is related to favorable outcome in patients with esophageal adenocarcinoma. <i>Oncotarget</i> , 2016, 7, 44084-44095.	1.8	10
64	Fusion transcripts and their genomic breakpoints in polyadenylated and ribosomal RNA minus RNA sequencing data. <i>GigaScience</i> , 2021, 10, .	6.4	10
65	<i>WRN</i> Promoter CpG Island Hypermethylation Does Not Predict More Favorable Outcomes for Patients with Metastatic Colorectal Cancer Treated with Irinotecan-Based Therapy. <i>Clinical Cancer Research</i> , 2016, 22, 4612-4622.	7.0	9
66	Molecular imaging of aurora kinase A (AURKA) expression: Synthesis and preclinical evaluation of radiolabeled alisertib (MLN8237). <i>Nuclear Medicine and Biology</i> , 2016, 43, 63-72.	0.6	9
67	Genomic profiling of stage II and III colon cancers reveals <i>APC</i> mutations to be associated with survival in stage III colon cancer patients. <i>Oncotarget</i> , 2016, 7, 73876-73887.	1.8	9
68	MACROD2 expression predicts response to 5-FU-based chemotherapy in stage III colon cancer. <i>Oncotarget</i> , 2018, 9, 29445-29452.	1.8	9
69	Proteomics of differential extraction fractions enriched for chromatin-binding proteins from colon adenoma and carcinoma tissues. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1034-1043.	2.3	8
70	Colorectal cancer surveillance in Hodgkin lymphoma survivors at increased risk of therapy-related colorectal cancer: study design. <i>BMC Cancer</i> , 2017, 17, 112.	2.6	8
71	An Automated Correction Algorithm (ALPACA) for ddPCR Data Using Adaptive Limit of Blank and Correction of False Positive Events Improves Specificity of Mutation Detection. <i>Clinical Chemistry</i> , 2021, 67, 959-967.	3.2	7
72	Diagnostic Accuracy of Stool Tests for Colorectal Cancer Surveillance in Hodgkin Lymphoma Survivors. <i>Journal of Clinical Medicine</i> , 2020, 9, 190.	2.4	5

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73	A phase 2 trial of gemcitabine and docetaxel in patients with metastatic colorectal adenocarcinoma with methylated checkpoint with forkhead and ring finger domain promoter and/or microsatellite instability phenotype. <i>Clinical and Translational Science</i> , 2021, 14, 954-963.	3.1	5
74	GeneBreak: detection of recurrent DNA copy number aberration-associated chromosomal breakpoints within genes. <i>F1000Research</i> , 2016, 5, 2340.	1.6	5
75	The earliest events in <i>BRAF</i> mutant colorectal cancer: exome sequencing of sessile serrated lesions with a tiny focus dysplasia or cancer reveals recurring mutations in two distinct progression pathways. <i>Journal of Pathology</i> , 2022, 257, 239-249.	4.5	5
76	High expression of secretory leukocyte protease inhibitor (SLPI) in stage III micro-satellite stable colorectal cancer is associated with reduced disease recurrence. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
77	Genome Nexus: A Comprehensive Resource for the Annotation and Interpretation of Genomic Variants in Cancer. <i>JCO Clinical Cancer Informatics</i> , 2022, 6, e2100144.	2.1	4
78	CD31-positive microvessel density within adenomas of Lynch Syndrome patients is similar compared to adenomas of non-Lynch patients. <i>Endoscopy International Open</i> , 2019, 07, E701-E707.	1.8	3
79	Early detection of lung cancer using cfDNA fragmentation.. <i>Journal of Clinical Oncology</i> , 2021, 39, 8519-8519.	1.6	3
80	Feasibility of whole-genome sequencing in routine clinical practice.. <i>Journal of Clinical Oncology</i> , 2021, 39, 3013-3013.	1.6	3
81	FocalCall: An R Package for the Annotation of Focal Copy Number Aberrations. <i>Cancer Informatics</i> , 2014, 13, CIN.S19519.	1.9	2
82	Selection of Protein Kinase Inhibitors Based on Tumor Tissue Kinase Activity Profiles in Patients with Refractory Solid Malignancies: An Interventional Molecular Profiling Study. <i>Oncologist</i> , 2018, 23, 1135.	3.7	2
83	Diagnostic yield of colonoscopy surveillance in testicular cancer survivors treated with platinum-based chemotherapy: study protocol of a prospective cross-sectional cohort study. <i>BMC Gastroenterology</i> , 2021, 21, 67.	2.0	2
84	Tumor, skin, and plasma concentrations of protein kinase inhibitors (PKIs) in patients with advanced cancer.. <i>Journal of Clinical Oncology</i> , 2013, 31, 11087-11087.	1.6	2
85	Treatment strategies in colorectal cancer patients with initially unresectable liver-only metastases: The randomized phase III CAIRO5 study of the Dutch Colorectal Cancer Group.. <i>Journal of Clinical Oncology</i> , 2015, 33, TPS3622-TPS3622.	1.6	2
86	Pla2g2a Attenuates Colon Tumorigenesis in Azoxymethane-Treated C57BL/6 Mice; Expression Studies Reveal Pla2g2a Target Genes and Pathways. <i>Analytical Cellular Pathology</i> , 2009, 31, 345-356.	1.4	2
87	Gene expression profiles of esophageal squamous cell cancers in Hodgkin lymphoma survivors versus sporadic cases. <i>PLoS ONE</i> , 2020, 15, e0243178.	2.5	2
88	Long-Term Impact of the Dutch Colorectal Cancer Screening Programme on Cancer Incidence: Exploration of the Serrated Pathway. <i>Value in Health</i> , 2014, 17, A323.	0.3	1
89	Genome-wide methylation profiling to identify potential epigenetic biomarkers associated with response to sunitinib in metastatic renal cell cancer (mRCC) patients (pts).. <i>Journal of Clinical Oncology</i> , 2013, 31, 4566-4566.	1.6	1
90	Lessons from a systematic literature search on diagnostic DNA methylation biomarkers for colorectal cancer: how to increase research value and decrease research waste. <i>Clinical and Translational Gastroenterology</i> , 2022, Publish Ahead of Print, .	2.5	1

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91	A new spring for Cellular Oncology. Cellular Oncology (Dordrecht), 2011, 34, 1-2.	4.4	0
92	Molecular markers and the future of colorectal cancer screening. Colorectal Cancer, 2013, 2, 95-97.	0.8	0
93	Microsimulation Model For The Assessment Of Personalized Cancer Care: The Mapcca Model Framework. Value in Health, 2014, 17, A562.	0.3	0
94	The Potential of (TARGETED) MR Colonography as a Screening Tool for Colorectal Cancer: A Cost-Effectiveness Analysis. Value in Health, 2014, 17, A631-A632.	0.3	0
95	Can a biomarker triage test reduce colonoscopy burden in fecal immunochemical test screening?. Journal of Comparative Effectiveness Research, 2020, 9, 563-571.	1.4	0
96	The impact of colorectal cancer screening on incidence and stage IV disease in the Netherlands.. Journal of Clinical Oncology, 2021, 39, 3531-3531.	1.6	0
97	Association of DNA promoter hypermethylation of decoy receptor 1 (DCR1) with poor response to irinotecan in metastatic colorectal cancer.. Journal of Clinical Oncology, 2013, 31, 3552-3552.	1.6	0
98	Comparison of deep sequencing miRNA expression analysis in primary colorectal cancer and paired metastases.. Journal of Clinical Oncology, 2015, 33, e14682-e14682.	1.6	0
99	Reply to R. Pham et al. JCO Precision Oncology, 2022, 6, e2200053.	3.0	0
100	Evaluation of methylated DCR1 as a biomarker for response to adjuvant irinotecan-based therapy in stage III colon cancer: cancer and leukaemia Group B 89803 (Alliance). Epigenetics, 2022, , 1-11.	2.7	0
101	Cell-free DNA (cfDNA) fragmentomes predict tumor burden in metastatic colorectal cancer (mCRC).. Journal of Clinical Oncology, 2022, 40, 3541-3541.	1.6	0