

Carla H Van Gils

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,425
citations

159358

30
h-index

161609

54
g-index

99
all docs

99
docs citations

99
times ranked

4850
citing authors

#	ARTICLE	IF	CITATIONS
1	Supplemental MRI Screening for Women with Extremely Dense Breast Tissue. <i>New England Journal of Medicine</i> , 2019, 381, 2091-2102.	13.9	388
2	Mammographic density, breast cancer risk and risk prediction. <i>Breast Cancer Research</i> , 2007, 9, 217.	2.2	270
3	Consumption of Vegetables and Fruits and Risk of Breast Cancer. <i>JAMA - Journal of the American Medical Association</i> , 2005, 293, 183.	3.8	227
4	Receptor Conversion in Distant Breast Cancer Metastases: A Systematic Review and Meta-analysis. <i>Journal of the National Cancer Institute</i> , 2018, 110, 568-580.	3.0	198
5	Volumetric breast density affects performance of digital screening mammography. <i>Breast Cancer Research and Treatment</i> , 2017, 162, 95-103.	1.1	114
6	Mammographic density and ageing: A collaborative pooled analysis of cross-sectional data from 22 countries worldwide. <i>PLoS Medicine</i> , 2017, 14, e1002335.	3.9	108
7	MR Imaging as an Additional Screening Modality for the Detection of Breast Cancer in Women Aged 50-75 Years with Extremely Dense Breasts: The DENSE Trial Study Design. <i>Radiology</i> , 2015, 277, 527-537.	3.6	89
8	Prospective analysis of circulating metabolites and breast cancer in EPIC. <i>BMC Medicine</i> , 2019, 17, 178.	2.3	79
9	Long-term low-level ambient air pollution exposure and risk of lung cancer – A pooled analysis of 7 European cohorts. <i>Environment International</i> , 2021, 146, 106249.	4.8	79
10	Prediagnostic Plasma Bile Acid Levels and Colon Cancer Risk: A Prospective Study. <i>Journal of the National Cancer Institute</i> , 2020, 112, 516-524.	3.0	69
11	Pre-diagnostic concordance with the WCRF/AICR guidelines and survival in European colorectal cancer patients: a cohort study. <i>BMC Medicine</i> , 2015, 13, 107.	2.3	66
12	Supplemental Breast MRI for Women with Extremely Dense Breasts: Results of the Second Screening Round of the DENSE Trial. <i>Radiology</i> , 2021, 299, 278-286.	3.6	66
13	Alcohol intake and breast cancer in the European prospective investigation into cancer and nutrition. <i>International Journal of Cancer</i> , 2015, 137, 1921-1930.	2.3	65
14	Age-related Changes in Mammographic Density and Breast Cancer Risk. <i>American Journal of Epidemiology</i> , 2013, 178, 101-109.	1.6	57
15	The effect of volumetric breast density on the risk of screen-detected and interval breast cancers: a cohort study. <i>Breast Cancer Research</i> , 2017, 19, 67.	2.2	56
16	The cohort multiple randomized controlled trial design: a valid and efficient alternative to pragmatic trials?. <i>International Journal of Epidemiology</i> , 2017, 46, dyw050.	0.9	49
17	Vegetable and fruit consumption and the risk of hormone receptor-defined breast cancer in the EPIC cohort. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 168-177.	2.2	48
18	Influence of Risk Category and Screening Round on the Performance of an MR Imaging and Mammography Screening Program in Carriers of the BRCA Mutation and Other Women at Increased Risk. <i>Radiology</i> , 2018, 286, 443-451.	3.6	48

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19	Impact of the suspension and restart of the Dutch breast cancer screening program on breast cancer incidence and stage during the COVID-19 pandemic. <i>Preventive Medicine</i> , 2021, 151, 106602.	1.6	48
20	Evaluation of a Stratified National Breast Screening Program in the United Kingdom: An Early Model-Based Cost-Effectiveness Analysis. <i>Value in Health</i> , 2017, 20, 1100-1109.	0.1	46
21	The Utrecht cohort for Multiple BREast cancer intervention studies and Long-term eValuation (UMBRELLA): objectives, design, and baseline results. <i>Breast Cancer Research and Treatment</i> , 2017, 164, 445-450.	1.1	42
22	Healthy lifestyle and the risk of pancreatic cancer in the EPIC study. <i>European Journal of Epidemiology</i> , 2020, 35, 975-986.	2.5	42
23	Physical Activity and Endogenous Sex Hormone Levels in Postmenopausal Women: a Cross-Sectional Study in the Prospect-EPIC Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2009, 18, 377-383.	1.1	41
24	Influence of breast compression pressure on the performance of population-based mammography screening. <i>Breast Cancer Research</i> , 2017, 19, 126.	2.2	39
25	Cost-Effectiveness of Magnetic Resonance Imaging Screening for Women With Extremely Dense Breast Tissue. <i>Journal of the National Cancer Institute</i> , 2021, 113, 1476-1483.	3.0	39
26	Biomarkers of folate and vitamin B12 and breast cancer risk: report from the EPIC cohort. <i>International Journal of Cancer</i> , 2017, 140, 1246-1259.	2.3	36
27	High Levels of C-Reactive Protein Are Associated with an Increased Risk of Ovarian Cancer: Results from the Ovarian Cancer Cohort Consortium. <i>Cancer Research</i> , 2019, 79, 5442-5451.	0.4	36
28	Redefining radiotherapy for early-stage breast cancer with single dose ablative treatment: a study protocol. <i>BMC Cancer</i> , 2017, 17, 181.	1.1	35
29	Long-term exposure to air pollution and liver cancer incidence in six European cohorts. <i>International Journal of Cancer</i> , 2021, 149, 1887-1897.	2.3	35
30	Quantification of masking risk in screening mammography with volumetric breast density maps. <i>Breast Cancer Research and Treatment</i> , 2017, 162, 541-548.	1.1	32
31	The Trials within Cohorts design faced methodological advantages and disadvantages in the exercise oncology setting. <i>Journal of Clinical Epidemiology</i> , 2019, 113, 137-146.	2.4	32
32	Long-term exposure to fine particle elemental components and lung cancer incidence in the ELAPSE pooled cohort. <i>Environmental Research</i> , 2021, 193, 110568.	3.7	32
33	Influence of sample storage duration on serum protein profiles assessed by surface-enhanced laser desorption/ionisation time-of-flight mass spectrometry (SELDI-TOF MS). <i>Clinical Chemistry and Laboratory Medicine</i> , 2009, 47, 694-705.	1.4	31
34	Pre-diagnostic polyphenol intake and breast cancer survival: the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort. <i>Breast Cancer Research and Treatment</i> , 2015, 154, 389-401.	1.1	31
35	Nutrient-wide association study of 92 foods and nutrients and breast cancer risk. <i>Breast Cancer Research</i> , 2020, 22, 5.	2.2	30
36	Deep Learning for Automated Triaging of 4581 Breast MRI Examinations from the DENSE Trial. <i>Radiology</i> , 2022, 302, 29-36.	3.6	30

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37	The combined effect of mammographic texture and density on breast cancer risk: a cohort study. <i>Breast Cancer Research</i> , 2018, 20, 36.	2.2	28
38	Development and Validation of Nomograms to Predict Local, Regional, and Distant Recurrence in Patients With Thin (T1) Melanomas. <i>Journal of Clinical Oncology</i> , 2021, 39, 1243-1252.	0.8	28
39	Interval Cancer Detection Using a Neural Network and Breast Density in Women with Negative Screening Mammograms. <i>Radiology</i> , 2022, 303, 269-275.	3.6	26
40	Physical activity levels of women with breast cancer during and after treatment, a comparison with the Dutch female population. <i>Acta Oncol</i> , 2019, 58, 673-681.	0.8	24
41	Patients' and Health Care Providers' Opinions on a Supportive Health App During Breast Cancer Treatment: A Qualitative Evaluation. <i>JMIR Cancer</i> , 2016, 2, e8.	0.9	24
42	Reasons for (non)participation in supplemental population-based MRI breast screening for women with extremely dense breasts. <i>Clinical Radiology</i> , 2018, 73, 759.e1-759.e9.	0.5	23
43	Computer-Aided Diagnosis in Multiparametric Magnetic Resonance Imaging Screening of Women With Extremely Dense Breasts to Reduce False-Positive Diagnoses. <i>Investigative Radiology</i> , 2020, 55, 438-444.	3.5	23
44	Consistency of breast density categories in serial screening mammograms: A comparison between automated and human assessment. <i>Breast</i> , 2016, 29, 49-54.	0.9	21
45	Osteoprotegerin and breast cancer risk by hormone receptor subtype: a nested case-control study in the EPIC cohort. <i>BMC Medicine</i> , 2017, 15, 26.	2.3	21
46	Association of Histologic Regression With a Favorable Outcome in Patients With Stage 1 and Stage 2 Cutaneous Melanoma. <i>JAMA Dermatology</i> , 2021, 157, 166.	2.0	21
47	Mortality and cancer incidence in the EPIC-NL cohort: impact of the healthy volunteer effect. <i>European Journal of Public Health</i> , 2015, 25, 144-149.	0.1	19
48	International Consortium on Mammographic Density: Methodology and population diversity captured across 22 countries. <i>Cancer Epidemiology</i> , 2016, 40, 141-151.	0.8	19
49	Association of Pre-diagnostic Antibody Responses to Escherichia coli and Bacteroides fragilis Toxin Proteins with Colorectal Cancer in a European Cohort. <i>Gut Microbes</i> , 2021, 13, 1-14.	4.3	19
50	Adherence to the World Cancer Research Fund/American Institute for Cancer Research cancer prevention recommendations and risk of in situ breast cancer in the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort. <i>BMC Medicine</i> , 2019, 17, 221.	2.3	18
51	Mammographic density assessed on paired raw and processed digital images and on paired screen-film and digital images across three mammography systems. <i>Breast Cancer Research</i> , 2016, 18, 130.	2.2	17
52	Antibody Responses to <i>Fusobacterium nucleatum</i> Proteins in Prediagnostic Blood Samples are not Associated with Risk of Developing Colorectal Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1552-1555.	1.1	17
53	Gallstones and incident colorectal cancer in a large pan-European cohort study. <i>International Journal of Cancer</i> , 2019, 145, 1510-1516.	2.3	17
54	Subtyping Cutaneous Melanoma Matters. <i>JNCI Cancer Spectrum</i> , 2020, 4, pkaa097.	1.4	17

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55	Geographic variation in volumetric breast density between screening regions in the Netherlands. <i>European Radiology</i> , 2015, 25, 3328-3337.	2.3	16
56	The effects of exercise on the quality of life of patients with breast cancer (the UMBRELLA Fit study): study protocol for a randomized controlled trial. <i>Trials</i> , 2017, 18, 504.	0.7	16
57	Patient-reported cosmetic satisfaction and the long-term association with quality of life in irradiated breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2020, 179, 479-489.	1.1	15
58	Severe depression more common in patients with ductal carcinoma in situ than early-stage invasive breast cancer patients. <i>Breast Cancer Research and Treatment</i> , 2018, 167, 205-213.	1.1	14
59	Predicting sentinel node positivity in patients with melanoma: external validation of a risk prediction calculator (the Melanoma Institute Australia nomogram) using a large European population-based patient cohort*. <i>British Journal of Dermatology</i> , 2021, 185, 412-418.	1.4	14
60	Effects of exercise in breast cancer patients: implications of the trials within cohorts (TwiCs) design in the UMBRELLA Fit trial. <i>Breast Cancer Research and Treatment</i> , 2021, 190, 89-101.	1.1	14
61	Genome-wide association study meta-analysis identifies three novel loci for circulating anti-Müllerian hormone levels in women. <i>Human Reproduction</i> , 2022, 37, 1069-1082.	0.4	13
62	The effect of weight change on changes in breast density measures over menopause in a breast cancer screening cohort. <i>Breast Cancer Research</i> , 2015, 17, 74.	2.2	12
63	Nonsteroidal anti-inflammatory drug use and breast cancer risk in a European prospective cohort study. <i>International Journal of Cancer</i> , 2018, 143, 1688-1695.	2.3	11
64	Detection of Breast Cancer by Surface-enhanced Laser Desorption/Ionization Time-of-flight Mass Spectrometry Tissue and Serum Protein Profiling. <i>International Journal of Biological Markers</i> , 2009, 24, 130-141.	0.7	10
65	Indocyanine green versus technetium-99m with blue dye for sentinel lymph node detection in early-stage cervical cancer: A systematic review and meta-analysis. <i>Cancer Reports</i> , 2022, 5, e1401.	0.6	10
66	Lessons Learned from Setting Up a Prospective, Longitudinal, Multicenter Study with Women at High Risk for Breast Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 441-449.	1.1	10
67	Receptor activator of nuclear factor κ B ligand, osteoprotegerin, and risk of death following a breast cancer diagnosis: results from the EPIC cohort. <i>BMC Cancer</i> , 2018, 18, 1010.	1.1	9
68	Anti-Müllerian hormone levels and risk of type 2 diabetes in women. <i>Diabetologia</i> , 2021, 64, 375-384.	2.9	9
69	Reducing False-Positive Screening MRI Rate in Women with Extremely Dense Breasts Using Prediction Models Based on Data from the DENSE Trial. <i>Radiology</i> , 2021, 301, 283-292.	3.6	9
70	Heritable Aspects of Dysplastic Breast Glandular Tissue (DY). <i>Breast Cancer Research and Treatment</i> , 2004, 87, 149-156.	1.1	8
71	Reproductive and Lifestyle Factors and Circulating sRANKL and OPG Concentrations in Women: Results from the EPIC Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1746-1754.	1.1	8
72	Adjuvant systemic therapy in early breast cancer: impact of guideline changes and clinicopathological factors associated with nonadherence at a nation-wide level. <i>Breast Cancer Research and Treatment</i> , 2016, 159, 357-365.	1.1	7

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73	Soluble Receptor for Advanced Glycation End-products (sRAGE) and Colorectal Cancer Risk: A Case-Control Study Nested within a European Prospective Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021, 30, 182-192.	1.1	7
74	Predicting recurrence in patients with sentinel node-negative melanoma: validation of the EORTC nomogram using population-based data. <i>British Journal of Surgery</i> , 2021, 108, 550-553.	0.1	7
75	Oncology patients were found to understand and accept the Trials within Cohorts design. <i>Journal of Clinical Epidemiology</i> , 2021, 130, 135-142.	2.4	7
76	Population-based estimates of overtreatment with adjuvant systemic therapy in early breast cancer patients with data from the Netherlands and the USA. <i>Breast Cancer Research and Treatment</i> , 2022, 193, 161-173.	1.1	7
77	Pre-adult famine exposure and subsequent colorectal cancer risk in women. <i>International Journal of Epidemiology</i> , 2017, 46, dyw121.	0.9	6
78	Knowledge-based and deep learning-based automated chest wall segmentation in magnetic resonance images of extremely dense breasts. <i>Medical Physics</i> , 2019, 46, 4405-4416.	1.6	6
79	Socioeconomic Effect of Education on Pancreatic Cancer Risk in Western Europe: An Update on the EPIC Cohorts Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019, 28, 1089-1092.	1.1	6
80	Application of Nipple Aspirate Fluid miRNA Profiles for Early Breast Cancer Detection and Management. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5814.	1.8	6
81	Theoretical potential for endometrial cancer prevention through primary risk factor modification: Estimates from the EPIC cohort. <i>International Journal of Cancer</i> , 2020, 147, 1325-1333.	2.3	6
82	The association of age at menarche and adult height with mammographic density in the International Consortium of Mammographic Density. <i>Breast Cancer Research</i> , 2022, 24, .	2.2	6
83	Change in mammographic density across birth cohorts of Dutch breast cancer screening participants. <i>International Journal of Cancer</i> , 2019, 145, 2954-2962.	2.3	4
84	The Physiological MicroRNA Landscape in Nipple Aspirate Fluid: Differences and Similarities with Breast Tissue, Breast Milk, Plasma and Serum. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8466.	1.8	4
85	Anti-1/4Allerian hormone levels and risk of cancer: A systematic review. <i>Maturitas</i> , 2020, 135, 53-67.	1.0	4
86	High discordance rate in assessing sentinel node positivity in cutaneous melanoma: Expert review may reduce unjustified adjuvant treatment. <i>European Journal of Cancer</i> , 2021, 149, 105-113.	1.3	4
87	The changing microRNA landscape by color and cloudiness: a cautionary tale for nipple aspirate fluid biomarker analysis. <i>Cellular Oncology (Dordrecht)</i> , 2021, 44, 1339-1349.	2.1	4
88	Time interval between diagnostic excision-biopsy of a primary melanoma and sentinel node biopsy: effects on the sentinel node positivity rate and survival outcomes. <i>European Journal of Cancer</i> , 2022, 167, 123-132.	1.3	4
89	Comprehensive Proteomic Profiling-derived Immunohistochemistry-based Prediction Models for BRCA1 and BRCA2 Germline Mutation-related Breast Carcinomas. <i>American Journal of Surgical Pathology</i> , 2018, 42, 1262-1272.	2.1	3
90	Menstrual Factors, Reproductive History, Hormone Use, and Urothelial Carcinoma Risk: A Prospective Study in the EPIC Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1654-1664.	1.1	3

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91	The progressive relationship between increasing Breslow thickness and decreasing survival is lost in patients with ultrathick melanomas (≥ 15 mm in thickness). <i>Journal of the American Academy of Dermatology</i> , 2022, 87, 298-305.	0.6	3
92	Effect of the time interval between melanoma diagnosis and sentinel node biopsy on the size of metastatic tumour deposits in node-positive patients. <i>European Journal of Cancer</i> , 2022, 167, 133-141.	1.3	3
93	The V89L polymorphism in the 5-alpha-reductase type 2 gene and risk of breast cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2003, 12, 1194-9.	1.1	2
94	Anti-Müllerian Hormone Levels and Risk of Cancer in Women. <i>Maturitas</i> , 2021, 143, 216-222.	1.0	1
95	SU-C-207B-04: Automated Segmentation of Pectoral Muscle in MR Images of Dense Breasts. <i>Medical Physics</i> , 2016, 43, 3330-3330.	1.6	1
96	A comprehensive analysis of polymorphic variants in steroid hormone and insulin-like growth factor metabolism and risk of <i>in situ</i> breast cancer: Results from the Breast and Prostate Cancer Cohort Consortium. <i>International Journal of Cancer</i> , 2018, 142, 1182-1188.	2.3	0
97	Abstract S02-02: The impact of resuming the breast cancer screening program in the Netherlands on breast cancer incidence and stage after its discontinuation due to the COVID-19 pandemic. , 2021, , .		0
98	Association of histological features with laryngeal squamous cell carcinoma recurrences: a population-based study of 1502 patients in the Netherlands. <i>BMC Cancer</i> , 2022, 22, 444.	1.1	0