

# Karin B Michels

## List of Publications by Year in descending order

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134  
papers

8,449  
citations

41258

49  
h-index

46693

89  
g-index

136  
all docs

136  
docs citations

136  
times ranked

12203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Epigenetic Epidemiology of the Developmental Origins Hypothesis. <i>Annual Review of Nutrition</i> , 2007, 27, 363-388.	4.3	746
2	Prospective Study of Fruit and Vegetable Consumption and Incidence of Colon and Rectal Cancers. <i>Journal of the National Cancer Institute</i> , 2000, 92, 1740-1752.	3.0	369
3	Recommendations for the design and analysis of epigenome-wide association studies. <i>Nature Methods</i> , 2013, 10, 949-955.	9.0	345
4	Type 2 Diabetes and Subsequent Incidence of Breast Cancer in the Nurses' Health Study. <i>Diabetes Care</i> , 2003, 26, 1752-1758.	4.3	300
5	Diabetes, metabolic syndrome, and breast cancer: a review of the current evidence. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 823S-835S.	2.2	296
6	The Role of the Microbiome in the Developmental Origins of Health and Disease. <i>Pediatrics</i> , 2018, 141, .	1.0	246
7	Diet and breast cancer. <i>Cancer</i> , 2007, 109, 2712-2749.	2.0	243
8	Can dietary patterns help us detect diet-disease associations?. <i>Nutrition Research Reviews</i> , 2005, 18, 241-248.	2.1	209
9	Discovery of methylated circulating DNA biomarkers for comprehensive non-invasive monitoring of treatment response in metastatic colorectal cancer. <i>Gut</i> , 2018, 67, 1995-2005.	6.1	188
10	Intrauterine factors and risk of breast cancer: a systematic review and meta-analysis of current evidence. <i>Lancet Oncology</i> , 2007, 8, 1088-1100.	5.1	187
11	Caloric Restriction and Incidence of Breast Cancer. <i>JAMA - Journal of the American Medical Association</i> , 2004, 291, 1226.	3.8	162
12	Genome-wide DNA methylation in neonates exposed to maternal depression, anxiety, or SSRI medication during pregnancy. <i>Epigenetics</i> , 2014, 9, 964-972.	1.3	158
13	Role of birthweight in the etiology of breast cancer. <i>International Journal of Cancer</i> , 2006, 119, 2007-2025.	2.3	157
14	Self-Reported Birthweight and History of Having Been Breastfed among Younger Women: An Assessment of Validity. <i>International Journal of Epidemiology</i> , 1996, 25, 122-127.	0.9	155
15	Transgenerational epigenetic inheritance in mammals: how good is the evidence?. <i>FASEB Journal</i> , 2016, 30, 2457-2465.	0.2	154
16	Environmental exposures during windows of susceptibility for breast cancer: a framework for prevention research. <i>Breast Cancer Research</i> , 2019, 21, 96.	2.2	143
17	Longitudinal Study on the Role of Body Size in Premenopausal Breast Cancer. <i>Archives of Internal Medicine</i> , 2006, 166, 2395.	4.3	141
18	Birthweight, Maternal Weight Trajectories and Global DNA Methylation of LINE-1 Repetitive Elements. <i>PLoS ONE</i> , 2011, 6, e25254.	1.1	135

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19	Fruit and Vegetable Consumption and Colorectal Adenomas in the Nurses' Health Study. <i>Cancer Research</i> , 2006, 66, 3942-3953.	0.4	134
20	Coffee, Tea, and Caffeine Consumption and Incidence of Colon and Rectal Cancer. <i>Journal of the National Cancer Institute</i> , 2005, 97, 282-292.	3.0	129
21	The impact of first trimester phthalate and phenol exposure on IGF2/H19 genomic imprinting and birth outcomes. <i>Environmental Research</i> , 2014, 133, 396-406.	3.7	127
22	A prospective study of variety of healthy foods and mortality in women. <i>International Journal of Epidemiology</i> , 2002, 31, 847-854.	0.9	123
23	Body fatness during childhood and adolescence and incidence of breast cancer in premenopausal women: a prospective cohort study. <i>Breast Cancer Research</i> , 2005, 7, R314-25.	2.2	123
24	Hormone Replacement Therapy in Epidemiologic Studies and Randomized Clinical Trials—Are We Checkmate?. <i>Epidemiology</i> , 2003, 14, 3-5.	1.2	115
25	Fruit and vegetable consumption in adolescence and early adulthood and risk of breast cancer: population based cohort study. <i>BMJ, The</i> , 2016, 353, i2343.	3.0	101
26	Fiber Intake and Incidence of Colorectal Cancer among 76,947 Women and 47,279 Men. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2005, 14, 842-849.	1.1	96
27	Birthweight and Body Size throughout Life in Relation to Sex Hormones and Prolactin Concentrations in Premenopausal Women. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2006, 15, 2494-2501.	1.1	96
28	Dietary antioxidant vitamins, retinol, and breast cancer incidence in a cohort of Swedish women. <i>International Journal of Cancer</i> , 2001, 91, 563-567.	2.3	91
29	Epigenetic epidemiology of cancer. <i>Biochemical and Biophysical Research Communications</i> , 2014, 455, 70-83.	1.0	88
30	Adult Recall of Adolescent Diet: Reproducibility and Comparison with Maternal Reporting. <i>American Journal of Epidemiology</i> , 2005, 161, 89-97.	1.6	86
31	Faster ticking rate of the epigenetic clock is associated with faster pubertal development in girls. <i>Epigenetics</i> , 2018, 13, 85-94.	1.3	86
32	Oral contraceptive use and mortality after 36 years of follow-up in the Nurses' Health Study: prospective cohort study. <i>BMJ, The</i> , 2014, 349, g6356-g6356.	3.0	82
33	Coffee, Tea, and Caffeine Consumption and Breast Cancer Incidence in a Cohort of Swedish Women. <i>Annals of Epidemiology</i> , 2002, 12, 21-26.	0.9	81
34	Update on unethical use of placebos in randomised trials. <i>Bioethics</i> , 2003, 17, 188-204.	0.7	81
35	Measurement of Fruit and Vegetable Consumption with Diet Questionnaires and Implications for Analyses and Interpretation. <i>American Journal of Epidemiology</i> , 2005, 161, 987-994.	1.6	75
36	Body Size Across the Life Course, Mammographic Density, and Risk of Breast Cancer. <i>American Journal of Epidemiology</i> , 2011, 174, 909-918.	1.6	72

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37	Epigenome-wide and transcriptome-wide analyses reveal gestational diabetes is associated with alterations in the human leukocyte antigen complex. <i>Clinical Epigenetics</i> , 2015, 7, 79.	1.8	70
38	Sleep and survival among women with breast cancer: 30 years of follow-up within the Nursesâ€™ Health Study. <i>British Journal of Cancer</i> , 2017, 116, 1239-1246.	2.9	70
39	Prediagnostic Sex Steroid Hormones in Relation to Male Breast Cancer Risk. <i>Journal of Clinical Oncology</i> , 2015, 33, 2041-2050.	0.8	65
40	A Study of the Importance of Education and Cost Incentives on Individual Food Choices at the Harvard School of Public Health Cafeteria. <i>Journal of the American College of Nutrition</i> , 2008, 27, 6-11.	1.1	60
41	HPV vaccine for all. <i>Lancet, The</i> , 2009, 374, 268-270.	6.3	60
42	Prospective study of body size throughout the life-course and the incidence of endometrial cancer among premenopausal and postmenopausal women. <i>International Journal of Cancer</i> , 2015, 137, 625-637.	2.3	60
43	Does Consumption of Fermented Foods Modify the Human Gut Microbiota?. <i>Journal of Nutrition</i> , 2020, 150, 1680-1692.	1.3	60
44	alpha-Fetoprotein Levels in Maternal Serum During Pregnancy and Maternal Breast Cancer Incidence. <i>Journal of the National Cancer Institute</i> , 2000, 92, 1001-1005.	3.0	59
45	Childhood and adolescent phenol and phthalate exposure and the age of menarche in Latina girls. <i>Environmental Health</i> , 2018, 17, 32.	1.7	56
46	Impact of folic acid intake during pregnancy on genomic imprinting of <i>IGF2/H19</i> and carbon metabolism. <i>FASEB Journal</i> , 2017, 31, 5149-5158.	0.2	53
47	Presenting Statistical Uncertainty in Trends and Dose-Response Relations. <i>American Journal of Epidemiology</i> , 1999, 149, 1077-1086.	1.6	52
48	The role of nutrition in cancer development and prevention. <i>International Journal of Cancer</i> , 2005, 114, 163-165.	2.3	52
49	The Effect of Correlated Measurement Error in Multivariate Models of Diet. <i>American Journal of Epidemiology</i> , 2004, 160, 59-67.	1.6	50
50	Induced and Spontaneous Abortion and Incidence of Breast Cancer Among Young Women. <i>Archives of Internal Medicine</i> , 2007, 167, 814.	4.3	50
51	Abortion and the risk of breast cancer: A case-control study in greece. <i>International Journal of Cancer</i> , 1995, 61, 181-184.	2.3	49
52	Self-Administered Semiquantitative Food Frequency Questionnaires. <i>Epidemiology</i> , 2009, 20, 295-301.	1.2	49
53	Hyperparathyroidism and subsequent incidence of breast cancer. <i>International Journal of Cancer</i> , 2004, 110, 449-451.	2.3	48
54	A prospective study of breast size and premenopausal breast cancer incidence. <i>International Journal of Cancer</i> , 2006, 118, 2031-2034.	2.3	48

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55	Preschool diet and adult risk of breast cancer. <i>International Journal of Cancer</i> , 2006, 118, 749-754.	2.3	47
56	An Adolescent and Early Adulthood Dietary Pattern Associated with Inflammation and the Incidence of Breast Cancer. <i>Cancer Research</i> , 2017, 77, 1179-1187.	0.4	46
57	Longitudinal study of birthweight and the incidence of breast cancer in adulthood. <i>Carcinogenesis</i> , 2006, 27, 2464-2468.	1.3	43
58	Adult weight change and incidence of premenopausal breast cancer. <i>International Journal of Cancer</i> , 2012, 130, 902-909.	2.3	41
59	Accurate ethnicity prediction from placental DNA methylation data. <i>Epigenetics and Chromatin</i> , 2019, 12, 51.	1.8	40
60	Association of Birth by Cesarean Delivery With Obesity and Type 2 Diabetes Among Adult Women. <i>JAMA Network Open</i> , 2020, 3, e202605.	2.8	40
61	Aberrant methylation of imprinted genes is associated with negative hormone receptor status in invasive breast cancer. <i>International Journal of Cancer</i> , 2015, 137, 537-547.	2.3	39
62	Parental smoking during pregnancy and the risk of gestational diabetes in the daughter. <i>International Journal of Epidemiology</i> , 2016, 45, 160-169.	0.9	39
63	Prospective Study of Calcium Channel Blocker Use, Cardiovascular Disease, and Total Mortality Among Hypertensive Women. <i>Circulation</i> , 1998, 97, 1540-1548.	1.6	37
64	Fetal Exposure to Parental Smoking and the Risk of Type 2 Diabetes in Adult Women. <i>Diabetes Care</i> , 2014, 37, 2966-2973.	4.3	37
65	Ethical principles and placebo-controlled trials – interpretation and implementation of the Declaration of Helsinki’s placebo paragraph in medical research. <i>BMC Medical Ethics</i> , 2018, 19, 24.	1.0	35
66	Shall we put the world on folate?. <i>Lancet</i> , The, 2009, 374, 959-961.	6.3	34
67	DNA methylation of candidate genes in peripheral blood from patients with type 2 diabetes or the metabolic syndrome. <i>PLoS ONE</i> , 2017, 12, e0180955.	1.1	33
68	Differences in DNA Methylation and Functional Expression in Lactase Persistent and Non-persistent Individuals. <i>Scientific Reports</i> , 2018, 8, 5649.	1.6	31
69	Dairy intake in relation to breast and pubertal development in Chilean girls,. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 1166-1175.	2.2	30
70	Height and Body Size in Childhood, Adolescence, and Young Adulthood and Breast Cancer Risk According to Molecular Subtype in the Nurses' Health Studies. <i>Cancer Prevention Research</i> , 2016, 9, 732-738.	0.7	29
71	Prepubertal and Pubertal Endocrine-Disrupting Chemical Exposure and Breast Density among Chilean Adolescents. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018, 27, 1491-1499.	1.1	29
72	The promises and challenges of epigenetic epidemiology. <i>Experimental Gerontology</i> , 2010, 45, 297-301.	1.2	28

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73	History of breast feeding and risk of incident endometriosis: prospective cohort study. <i>BMJ: British Medical Journal</i> , 2017, 358, j3778.	2.4	28
74	Early Life Predictors of Chronic Disease. <i>Journal of Women's Health</i> , 2003, 12, 157-161.	1.5	27
75	The Women's Health Initiative Randomized Controlled Dietary Modification Trial: a post-mortem. <i>Breast Cancer Research and Treatment</i> , 2009, 114, 1-6.	1.1	26
76	Pyrosequencing Evaluation of Widely Available Bisulfite Conversion Methods: Considerations for Application. <i>Medical Epigenetics</i> , 2014, 2, 28-36.	262.3	26
77	Empirical comparison of reduced representation bisulfite sequencing and Infinium BeadChip reproducibility and coverage of DNA methylation in humans. <i>Npj Genomic Medicine</i> , 2017, 2, 13.	1.7	26
78	Locus-specific DNA methylation in the placenta is associated with levels of pro-inflammatory proteins in cord blood and they are both independently affected by maternal smoking during pregnancy. <i>Epigenetics</i> , 2017, 12, 875-885.	1.3	26
79	Low-dose levels of bisphenol A inhibit telomerase via ER/GPR30-ERK signalling, impair DNA integrity and reduce cell proliferation in primary PBMC. <i>Scientific Reports</i> , 2017, 7, 16631.	1.6	26
80	Milk Consumption after Age 9 Years Does Not Predict Age at Menarche. <i>Journal of Nutrition</i> , 2015, 145, 1900-1908.	1.3	24
81	Robust prediction of gene regulation in colorectal cancer tissues from DNA methylation profiles. <i>Epigenetics</i> , 2018, 13, 386-397.	1.3	24
82	Adolescent dietary patterns and premenopausal breast cancer incidence. <i>Carcinogenesis</i> , 2016, 37, 376-384.	1.3	23
83	Yogurt consumption and colorectal cancer incidence and mortality in the Nurses' Health Study and the Health Professionals Follow-Up Study. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 1566-1575.	2.2	23
84	History of Gestational Diabetes Mellitus and Risk of Incident Invasive Breast Cancer among Parous Women in the Nurses' Health Study II Prospective Cohort. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2017, 26, 321-327.	1.1	22
85	Tobacco and Alcohol in Relation to Male Breast Cancer: An Analysis of the Male Breast Cancer Pooling Project Consortium. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 520-531.	1.1	19
86	Body fatness throughout the life course and the incidence of premenopausal breast cancer. <i>International Journal of Epidemiology</i> , 2016, 45, dyw149.	0.9	19
87	Earlier age at menarche in girls with rapid early life growth: cohort and within sibling analyses. <i>Annals of Epidemiology</i> , 2017, 27, 187-193.e2.	0.9	19
88	Considerations for Design and Analysis of DNA Methylation Studies. <i>Methods in Molecular Biology</i> , 2018, 1708, 31-46.	0.4	19
89	Lifetime and current depression in the German National Cohort (NAKO). <i>World Journal of Biological Psychiatry</i> , 2023, 24, 865-880.	1.3	18
90	Oral Contraceptive Use and Colorectal Cancer in the Nurses' Health Study I and II. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 1214-1221.	1.1	16

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91	Smoking during pregnancy in relation to grandchild birth weight and BMI trajectories. PLoS ONE, 2017, 12, e0179368.	1.1	15
92	In utero exposure to endocrine-disrupting chemicals and telomere length at birth. Environmental Research, 2020, 182, 109053.	3.7	15
93	Yogurt consumption in relation to mortality from cardiovascular disease, cancer, and all causes: a prospective investigation in 2 cohorts of US women and men. American Journal of Clinical Nutrition, 2020, 111, 689-697.	2.2	15
94	The contribution of the environment (especially diet) to breast cancer risk. Breast Cancer Research, 2002, 4, 58-61.	2.2	13
95	Determination of nasal and oropharyngeal microbiomes in a multicenter population-based study â€“ findings from Pretest 1 of the German National Cohort. Scientific Reports, 2017, 7, 1855.	1.6	13
96	Change in clinical practice variations for antibiotic prescriptions across different pediatric clinics: A Japan's nationwide observational study. Journal of Infection and Chemotherapy, 2021, 27, 1621-1625.	0.8	11
97	Factors associated with habitual time spent in different physical activity intensities using multiday accelerometry. Scientific Reports, 2020, 10, 774.	1.6	10
98	Characterizing the Effects of Calcium and Prebiotic Fiber on Human Gut Microbiota Composition and Function Using a Randomized Crossover Designâ€”A Feasibility Study. Nutrients, 2021, 13, 1937.	1.7	10
99	The consequence of financial incentives for not prescribing antibiotics: a Japan's nationwide quasi-experiment. International Journal of Epidemiology, 2022, 51, 1645-1655.	0.9	10
100	Why do studies show different associations between intrauterine exposure to maternal smoking and age at menarche?. Annals of Epidemiology, 2018, 28, 197-203.	0.9	9
101	Statistical Analysis in the German National Cohort (NAKO) â€“ Specific Aspects and General Recommendations. European Journal of Epidemiology, 2022, 37, 429-436.	2.5	9
102	Alcohol intake from early adulthood to midlife and mammographic density. Cancer Causes and Control, 2016, 27, 493-502.	0.8	8
103	Early life socioeconomic environment and mammographic breast density. BMC Cancer, 2017, 17, 41.	1.1	8
104	Association between indicators of systemic inflammation biomarkers during puberty with breast density and onset of menarche. Breast Cancer Research, 2020, 22, 104.	2.2	8
105	Age at Introduction of Solid Food and Obesity Throughout the Life Course. Obesity, 2018, 26, 1611-1618.	1.5	6
106	Do Birth Weight and Weight Gain During Infancy and Early Childhood Explain Variation in Mammographic Density in Women in Midlife? Results From Cohort and Sibling Analyses. American Journal of Epidemiology, 2019, 188, 294-304.	1.6	6
107	Maternal Anthropometry and Mammographic Density in Adult Daughters. Pediatrics, 2016, 138, S34-S41.	1.0	5
108	Developmental plasticity. Evolution, Medicine and Public Health, 2017, 2017, 183-184.	1.1	5

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109	Early-Life Growth and Benign Breast Disease. <i>American Journal of Epidemiology</i> , 2019, 188, 1646-1654.	1.6	5
110	Design and characterization of dietary assessment in the German National Cohort. <i>European Journal of Clinical Nutrition</i> , 2019, 73, 1480-1491.	1.3	5
111	Body size at birth, early-life growth and the timing of the menopausal transition and natural menopause. <i>Reproductive Toxicology</i> , 2020, 92, 91-97.	1.3	5
112	Differential gene expression and limited epigenetic dysregulation at the materno-fetal interface in preeclampsia. <i>Human Molecular Genetics</i> , 2020, 29, 335-350.	1.4	5
113	Maternal and Infant Anthropometric Characteristics and Breast Cancer Incidence in the Daughter. <i>Scientific Reports</i> , 2020, 10, 2550.	1.6	5
114	Dietary antioxidant vitamins, retinol, and breast cancer incidence in a cohort of Swedish women. , 2001, 91, 563.		5
115	Validation of a questionnaire to assess dietary habits among 5â€“13â€“year old school children of farmers and anthroposophic families. <i>Journal of Nutritional and Environmental Medicine</i> , 2008, 17, 157-168.	0.1	4
116	A prospective study of oral contraceptive use and colorectal adenomas. <i>Cancer Causes and Control</i> , 2016, 27, 749-757.	0.8	4
117	Urinary excretion of sex steroid hormone metabolites after consumption of cow milk: a randomized crossover intervention trial. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 402-410.	2.2	4
118	Effects of Fermented Vegetable Consumption on Human Gut Microbiome Diversityâ€”A Pilot Study. <i>Fermentation</i> , 2022, 8, 118.	1.4	4
119	Diet and cancer: Current knowledge, methodologic pitfalls and future directions. <i>International Journal of Cancer</i> , 2005, 116, 665-666.	2.3	3
120	Inverse association between estrogen receptor-Î± DNA methylation and breast composition in adolescent Chilean girls. <i>Clinical Epigenetics</i> , 2018, 10, 122.	1.8	3
121	Grand-maternal lifestyle during pregnancy and body mass index in adolescence and young adulthood: an intergenerational cohort study. <i>Scientific Reports</i> , 2020, 10, 14432.	1.6	3
122	Effect of excessive gestational weight on daughtersâ€™ breast density at the end of puberty onset. <i>Scientific Reports</i> , 2020, 10, 6636.	1.6	3
123	The Association Between Breast Density and Gut Microbiota Composition at 2 Years Post-Menarche: A Cross-Sectional Study of Adolescents in Santiago, Chile. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 794610.	1.8	3
124	Response to Cook <i>et al</i> .. <i>International Journal of Cancer</i> , 2008, 122, 958-959.	2.3	2
125	Physical Activity and Risk of Male Breast Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 1898-1901.	1.1	2
126	Multiplexed Reduced Representation Bisulfite Sequencing with Magnetic Bead Fragment Size Selection. <i>Methods in Molecular Biology</i> , 2018, 1708, 137-159.	0.4	2

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127	Benign breast disease and changes in mammographic breast density. <i>Breast Cancer Research</i> , 2021, 23, 49.	2.2	2
128	Reply to AT Wijayabahu. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 707-707.	2.2	1
129	TV viewing during childhood and adult type 2 diabetes mellitus. <i>Scientific Reports</i> , 2021, 11, 5157.	1.6	1
130	Commentary: Marking the epigenomeâ€™ in search of the fingerprints of intrauterine nutritional deficiencies. <i>International Journal of Epidemiology</i> , 2012, 41, 123-125.	0.9	0
131	Contralateral mastectomy for women with hereditary breast cancer. <i>BMJ, The</i> , 2014, 348, g1379-g1379.	3.0	0
132	Grand-Maternal Lifestyle During Pregnancy and Anthropometric Characteristics in Adolescence and Young Adulthood: An Intergenerational Cohort Study. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa054_048.	0.1	0
133	Assessing mediating effects of high-dimensional microbiome measurements in dietary intervention studies. <i>Biometrical Journal</i> , 2021, 63, 1366-1374.	0.6	0
134	Sugar-sweetened beverage consumption and breast composition in a longitudinal study of Chilean girls. <i>Breast Cancer Research</i> , 2022, 24, 3.	2.2	0