

Neil J Perkins

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

5,255
citations

34
h-index

71
g-index

126
ext. papers

6,285
ext. citations

4.5
avg, IF

5.67
L-index

#	Paper	IF	Citations
123	The inconsistency of "optimal" cutpoints obtained using two criteria based on the receiver operating characteristic curve. <i>American Journal of Epidemiology</i> , 2006 , 163, 670-5	3.8	1065
122	Optimal cut-point and its corresponding Youden Index to discriminate individuals using pooled blood samples. <i>Epidemiology</i> , 2005 , 16, 73-81	3.1	753
121	Youden Index and optimal cut-point estimated from observations affected by a lower limit of detection. <i>Biometrical Journal</i> , 2008 , 50, 419-30	1.5	548
120	The Youden Index and the optimal cut-point corrected for measurement error. <i>Biometrical Journal</i> , 2005 , 47, 428-41	1.5	146
119	Preconception low-dose aspirin and pregnancy outcomes: results from the EAGeR randomised trial. <i>Lancet, The</i> , 2014 , 384, 29-36	4.0	134
118	Endogenous reproductive hormones and C-reactive protein across the menstrual cycle: the BioCycle Study. <i>American Journal of Epidemiology</i> , 2012 , 175, 423-31	3.8	99
117	Principled Approaches to Missing Data in Epidemiologic Studies. <i>American Journal of Epidemiology</i> , 2018 , 187, 568-575	3.8	96
116	Effect of daily fiber intake on reproductive function: the BioCycle Study. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 1061-9	7	92
115	A randomised trial to evaluate the effects of low-dose aspirin in gestation and reproduction: design and baseline characteristics. <i>Paediatric and Perinatal Epidemiology</i> , 2013 , 27, 598-609	2.7	76
114	Quantification of collider-stratification bias and the birthweight paradox. <i>Paediatric and Perinatal Epidemiology</i> , 2009 , 23, 394-402	2.7	76
113	Confidence Intervals for the Youden Index and Corresponding Optimal Cut-Point. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2007 , 36, 549-563	0.6	76
112	Multiple Imputation for Incomplete Data in Epidemiologic Studies. <i>American Journal of Epidemiology</i> , 2018 , 187, 576-584	3.8	74
111	Subclinical Hypothyroidism and Thyroid Autoimmunity Are Not Associated With Fecundity, Pregnancy Loss, or Live Birth. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 2358-65	5.6	72
110	Serum uric acid in relation to endogenous reproductive hormones during the menstrual cycle: findings from the BioCycle study. <i>Human Reproduction</i> , 2013 , 28, 1853-62	5.7	65
109	The effect of a very short interpregnancy interval and pregnancy outcomes following a previous pregnancy loss. <i>American Journal of Obstetrics and Gynecology</i> , 2015 , 212, 375.e1-11	6.4	62
108	Evaluation of observation-fused regional air quality model results for population air pollution exposure estimation. <i>Science of the Total Environment</i> , 2014 , 485-486, 563-574	10.2	58
107	The utility of menstrual cycle length as an indicator of cumulative hormonal exposure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E1871-9	5.6	54

106	Effect of Folic Acid and Zinc Supplementation in Men on Semen Quality and Live Birth Among Couples Undergoing Infertility Treatment: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 35-48	27.4	54
105	Perceived stress, reproductive hormones, and ovulatory function: a prospective cohort study. <i>Epidemiology</i> , 2015 , 26, 177-84	3.1	49
104	Dietary fat intake and reproductive hormone concentrations and ovulation in regularly menstruating women. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 868-77	7	47
103	Influence of endogenous reproductive hormones on F2-isoprostane levels in premenopausal women: the BioCycle Study. <i>American Journal of Epidemiology</i> , 2010 , 172, 430-9	3.8	46
102	Menstrual bleeding patterns among regularly menstruating women. <i>American Journal of Epidemiology</i> , 2012 , 175, 536-45	3.8	46
101	A longitudinal study of serum lipoproteins in relation to endogenous reproductive hormones during the menstrual cycle: findings from the BioCycle study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, E80-5	5.6	45
100	Association of preconception serum 25-hydroxyvitamin D concentrations with livebirth and pregnancy loss: a prospective cohort study. <i>Lancet Diabetes and Endocrinology</i> , 2018 , 6, 725-732	18.1	45
99	Collinearity and Causal Diagrams: A Lesson on the Importance of Model Specification. <i>Epidemiology</i> , 2017 , 28, 47-53	3.1	44
98	Kidney biomarkers associated with blood lead, mercury, and cadmium in premenopausal women: a prospective cohort study. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2015 , 78, 119-31	3.2	44
97	Expanded findings from a randomized controlled trial of preconception low-dose aspirin and pregnancy loss. <i>Human Reproduction</i> , 2016 , 31, 657-65	5.7	43
96	Adherence to a Mediterranean diet and plasma concentrations of lipid peroxidation in premenopausal women. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 1461-7	7	42
95	Whole grains are associated with serum concentrations of high sensitivity C-reactive protein among premenopausal women. <i>Journal of Nutrition</i> , 2010 , 140, 1669-76	4.1	41
94	Receiver operating characteristic curve inference from a sample with a limit of detection. <i>American Journal of Epidemiology</i> , 2007 , 165, 325-33	3.8	40
93	Changes in macronutrient, micronutrient, and food group intakes throughout the menstrual cycle in healthy, premenopausal women. <i>European Journal of Nutrition</i> , 2016 , 55, 1181-8	5.2	38
92	Effectiveness of motor learning coaching in children with cerebral palsy: a randomized controlled trial. <i>Clinical Rehabilitation</i> , 2010 , 24, 1009-20	3.3	38
91	Exposure to bisphenol A, chlorophenols, benzophenones, and parabens in relation to reproductive hormones in healthy women: A chemical mixture approach. <i>Environment International</i> , 2018 , 120, 137-144	12.9	37
90	Luteal phase deficiency in regularly menstruating women: prevalence and overlap in identification based on clinical and biochemical diagnostic criteria. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E1007-14	5.6	36
89	Self-report of fruit and vegetable intake that meets the 5 a day recommendation is associated with reduced levels of oxidative stress biomarkers and increased levels of antioxidant defense in premenopausal women. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2013 , 113, 776-85	3.9	33

88	Variability and exposure classification of urinary phenol and paraben metabolite concentrations in reproductive-aged women. <i>Environmental Research</i> , 2016 , 151, 513-520	7.9	32
87	Complications and Safety of Preconception Low-Dose Aspirin Among Women With Prior Pregnancy Losses. <i>Obstetrics and Gynecology</i> , 2016 , 127, 689-698	4.9	32
86	Preconception Low-Dose Aspirin Restores Diminished Pregnancy and Live Birth Rates in Women With Low-Grade Inflammation: A Secondary Analysis of a Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 1495-1504	5.6	32
85	The impact of dietary folate intake on reproductive function in premenopausal women: a prospective cohort study. <i>PLoS ONE</i> , 2012 , 7, e46276	3.7	32
84	Association of Nausea and Vomiting During Pregnancy With Pregnancy Loss: A Secondary Analysis of a Randomized Clinical Trial. <i>JAMA Internal Medicine</i> , 2016 , 176, 1621-1627	11.5	32
83	Serum Antioxidants Are Associated with Serum Reproductive Hormones and Ovulation among Healthy Women. <i>Journal of Nutrition</i> , 2016 , 146, 98-106	4.1	30
82	Hybrid pooled-unpooled design for cost-efficient measurement of biomarkers. <i>Statistics in Medicine</i> , 2010 , 29, 597-613	2.3	27
81	Serum leptin levels and reproductive function during the menstrual cycle. <i>American Journal of Obstetrics and Gynecology</i> , 2014 , 210, 248.e1-9	6.4	26
80	Urinary cytokine and chemokine profiles across the menstrual cycle in healthy reproductive-aged women. <i>Fertility and Sterility</i> , 2014 , 101, 1383-91	4.8	26
79	Realignment and multiple imputation of longitudinal data: an application to menstrual cycle data. <i>Paediatric and Perinatal Epidemiology</i> , 2011 , 25, 448-59	2.7	26
78	Sexual activity, endogenous reproductive hormones and ovulation in premenopausal women. <i>Hormones and Behavior</i> , 2014 , 66, 330-8	3.7	25
77	The effect of physical activity across the menstrual cycle on reproductive function. <i>Annals of Epidemiology</i> , 2014 , 24, 127-34	6.4	25
76	Ovarian function and cigarette smoking. <i>Paediatric and Perinatal Epidemiology</i> , 2010 , 24, 433-40	2.7	25
75	Low-dose aspirin and preterm birth: a randomized controlled trial. <i>Obstetrics and Gynecology</i> , 2015 , 125, 876-884	4.9	24
74	Increased androgen, anti-Müllerian hormone, and sporadic anovulation in healthy, eumenorrheic women: a mild PCOS-like phenotype?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, 2208-16	5.6	24
73	Alcohol intake, reproductive hormones, and menstrual cycle function: a prospective cohort study. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 933-42	7	23
72	Treatment of batch in the detection, calibration, and quantification of immunoassays in large-scale epidemiologic studies. <i>Epidemiology</i> , 2010 , 21 Suppl 4, S44-50	3.1	23
71	Preconception low dose aspirin and time to pregnancy: findings from the effects of aspirin in gestation and reproduction randomized trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1785-91	5.6	22

70	Preconception maternal lipoprotein levels in relation to fecundability. <i>Human Reproduction</i> , 2017 , 32, 1055-1063	5.7	21
69	Preconception Blood Pressure Levels and Reproductive Outcomes in a Prospective Cohort of Women Attempting Pregnancy. <i>Hypertension</i> , 2018 , 71, 904-910	8.5	20
68	Validation of different instruments for caffeine measurement among premenopausal women in the BioCycle study. <i>American Journal of Epidemiology</i> , 2013 , 177, 690-9	3.8	20
67	Thyroid-stimulating hormone, anti-thyroid antibodies, and pregnancy outcomes. <i>American Journal of Obstetrics and Gynecology</i> , 2017 , 217, 697.e1-697.e7	6.4	19
66	Regression for skewed biomarker outcomes subject to pooling. <i>Biometrics</i> , 2014 , 70, 202-11	1.8	19
65	Dietary factors and luteal phase deficiency in healthy eumenorrheic women. <i>Human Reproduction</i> , 2015 , 30, 1942-51	5.7	18
64	Inverse-Probability-Weighted Estimation for Monotone and Nonmonotone Missing Data. <i>American Journal of Epidemiology</i> , 2018 , 187, 585-591	3.8	18
63	Relation of blood cadmium, lead, and mercury levels to biomarkers of lipid peroxidation in premenopausal women. <i>American Journal of Epidemiology</i> , 2012 , 175, 645-52	3.8	16
62	Habitual dietary isoflavone intake is associated with decreased C-reactive protein concentrations among healthy premenopausal women. <i>Journal of Nutrition</i> , 2013 , 143, 900-6	4.1	15
61	ROC curve inference for best linear combination of two biomarkers subject to limits of detection. <i>Biometrical Journal</i> , 2011 , 53, 464-76	1.5	15
60	Assessment of skewed exposure in case-control studies with pooling. <i>Statistics in Medicine</i> , 2012 , 31, 2461-72	2.3	14
59	Generalized ROC curve inference for a biomarker subject to a limit of detection and measurement error. <i>Statistics in Medicine</i> , 2009 , 28, 1841-60	2.3	14
58	Blood lead, cadmium and mercury in relation to homocysteine and C-reactive protein in women of reproductive age: a panel study. <i>Environmental Health</i> , 2017 , 16, 84	6	13
57	Energy-containing beverages: reproductive hormones and ovarian function in the BioCycle Study. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 621-30	7	13
56	A highly efficient design strategy for regression with outcome pooling. <i>Statistics in Medicine</i> , 2014 , 33, 5028-40	2.3	12
55	A combined efficient design for biomarker data subject to a limit of detection due to measuring instrument sensitivity. <i>Annals of Applied Statistics</i> , 2011 , 5,	2.1	12
54	Sex ratio following preconception low-dose aspirin in women with prior pregnancy loss. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3619-26	15.9	12
53	Low-Dose Aspirin and Sporadic Anovulation in the EAGeR Randomized Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 86-92	5.6	11

52	A prospective study of physical activity and fecundability in women with a history of pregnancy loss. <i>Human Reproduction</i> , 2018 , 33, 1291-1298	5.7	10
51	Serum caffeine and paraxanthine concentrations and menstrual cycle function: correlations with beverage intakes and associations with race, reproductive hormones, and anovulation in the BioCycle Study. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 155-63	7	10
50	The relationship between sugar-sweetened beverages and liver enzymes among healthy premenopausal women: a prospective cohort study. <i>European Journal of Nutrition</i> , 2016 , 55, 569-576	5.2	9
49	C-Reactive protein in relation to fecundability and anovulation among eumenorrheic women. <i>Fertility and Sterility</i> , 2018 , 109, 232-239.e1	4.8	9
48	Multivariate normally distributed biomarkers subject to limits of detection and receiver operating characteristic curve inference. <i>Academic Radiology</i> , 2013 , 20, 838-46	4.3	9
47	Usual dietary isoflavone intake and reproductive function across the menstrual cycle. <i>Fertility and Sterility</i> , 2013 , 100, 1727-34	4.8	9
46	Preconception Blood Pressure and Its Change Into Early Pregnancy: Early Risk Factors for Preeclampsia and Gestational Hypertension. <i>Hypertension</i> , 2020 , 76, 922-929	8.5	8
45	Preconception Perceived Stress Is Associated with Reproductive Hormone Levels and Longer Time to Pregnancy. <i>Epidemiology</i> , 2019 , 30 Suppl 2, S76-S84	3.1	8
44	Depressive symptoms and their relationship with endogenous reproductive hormones and sporadic anovulation in premenopausal women. <i>Annals of Epidemiology</i> , 2014 , 24, 920-4	6.4	7
43	Prevalence and Contributors to Low-grade Inflammation in Three U.S. Populations of Reproductive Age Women. <i>Paediatric and Perinatal Epidemiology</i> , 2018 , 32, 55-67	2.7	6
42	Recruitment for longitudinal, randomised pregnancy trials initiated preconception: lessons from the effects of aspirin in gestation and reproduction trial. <i>Paediatric and Perinatal Epidemiology</i> , 2015 , 29, 162-7	2.7	6
41	Association of testosterone and antimüllerian hormone with time to pregnancy and pregnancy loss in fecund women attempting pregnancy. <i>Fertility and Sterility</i> , 2018 , 109, 540-548.e1	4.8	5
40	Logistic regression with a continuous exposure measured in pools and subject to errors. <i>Statistics in Medicine</i> , 2018 , 37, 4007-4021	2.3	5
39	Use of multiple assays subject to detection limits with regression modeling in assessing the relationship between exposure and outcome. <i>Epidemiology</i> , 2010 , 21 Suppl 4, S35-43	3.1	5
38	The Effect of Preconception-Initiated Low-Dose Aspirin on Human Chorionic Gonadotropin-Detected Pregnancy, Pregnancy Loss, and Live Birth : Per Protocol Analysis of a Randomized Trial. <i>Annals of Internal Medicine</i> , 2021 , 174, 595-601	8	5
37	Preconception Plasma Phospholipid Fatty Acids and Fecundability. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 4501-4510	5.6	5
36	Platelet activation and placenta-mediated adverse pregnancy outcomes: an ancillary study to the Effects of Aspirin in Gestation and Reproduction trial. <i>American Journal of Obstetrics and Gynecology</i> , 2020 , 223, 741.e1-741.e12	6.4	4
35	Prediction of pregnancy loss by early first trimester ultrasound characteristics. <i>American Journal of Obstetrics and Gynecology</i> , 2020 , 223, 242.e1-242.e22	6.4	4

34	A Randomized Trial to Evaluate the Effects of Folic Acid and Zinc Supplementation on Male Fertility and Livebirth: Design and Baseline Characteristics. <i>American Journal of Epidemiology</i> , 2020 , 189, 8-26	3.8	4
33	Exposure to Persistent Organic Pollutants and Birth Characteristics: The Upstate KIDS Study. <i>Epidemiology</i> , 2019 , 30 Suppl 2, S94-S100	3.1	4
32	Metabolic Syndrome and the Effectiveness of Low-dose Aspirin on Reproductive Outcomes. <i>Epidemiology</i> , 2019 , 30, 573-581	3.1	4
31	Pilot randomized trial of short-term changes in inflammation and lipid levels during and after aspirin and pravastatin therapy. <i>Reproductive Health</i> , 2019 , 16, 132	3.5	3
30	Maternal preconception lipid profile and gestational lipid changes in relation to birthweight outcomes. <i>Scientific Reports</i> , 2020 , 10, 1374	4.9	3
29	Case-control data analysis for randomly pooled biomarkers. <i>Biometrical Journal</i> , 2016 , 58, 1007-20	1.5	3
28	Associations Between Preconception Plasma Fatty Acids and Pregnancy Outcomes. <i>Epidemiology</i> , 2019 , 30 Suppl 2, S37-S46	3.1	3
27	Effect of preconception low dose aspirin on pregnancy and live birth according to socioeconomic status: A secondary analysis of a randomized clinical trial. <i>PLoS ONE</i> , 2019 , 14, e0200533	3.7	2
26	Vitamin D is associated with bioavailability of androgens in eumenorrheic women with prior pregnancy loss. <i>American Journal of Obstetrics and Gynecology</i> , 2018 , 218, 608.e1-608.e6	6.4	2
25	Vital Status Ascertainment for a Historic Diverse Cohort of U.S. Women. <i>Epidemiology</i> , 2020 , 31, 310-316	3.1	2
24	Low-dose aspirin in reproductive health: effects on menstrual cycle characteristics. <i>Fertility and Sterility</i> , 2020 , 114, 1263-1270	4.8	2
23	Family history of autoimmune disease in relation to time-to-pregnancy, pregnancy loss, and live birth rate. <i>Journal of Translational Autoimmunity</i> , 2020 , 3, 100059	4.1	2
22	Sporadic anovulation is not an important determinant of becoming pregnant and time to pregnancy among eumenorrheic women: A simulation study. <i>Paediatric and Perinatal Epidemiology</i> , 2021 , 35, 143-152	2.7	2
21	Gamma models for estimating the odds ratio for a skewed biomarker measured in pools and subject to errors. <i>Biostatistics</i> , 2021 , 22, 250-265	3.7	2
20	Serum antioxidant vitamin concentrations and oxidative stress markers associated with symptoms and severity of premenstrual syndrome: a prospective cohort study. <i>BMC Women's Health</i> , 2021 , 21, 49	2.9	2
19	A Model-Based Approach to Detection Limits in Studying Environmental Exposures and Human Fecundity. <i>Statistics in Biosciences</i> , 2019 , 11, 524-547	1.5	1
18	Physical activity and incidence of subclinical and clinical pregnancy loss: a secondary analysis in the effects of aspirin in gestation and reproduction randomized trial. <i>Fertility and Sterility</i> , 2020 , 113, 601-608	4.8	1
17	Preconception caffeine metabolites, caffeinated beverage intake, and fecundability.. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	1

16	Circulating Vascular Endothelial Growth Factor and Soluble fms-Like Tyrosine Kinase-1 as Biomarkers for Endometrial Remodeling Across the Menstrual Cycle. <i>Obstetrics and Gynecology</i> , 2021 , 137, 82-90	4.9	1
15	Recalled maternal lifestyle behaviors associated with anti-müllerian hormone of adult female offspring. <i>Reproductive Toxicology</i> , 2020 , 98, 75-81	3.4	1
14	Urinary selective serotonin reuptake inhibitors across critical windows of pregnancy establishment: a prospective cohort study of fecundability and pregnancy loss. <i>Fertility and Sterility</i> , 2020 , 114, 1278-1287	4.8	1
13	Health and wellbeing boards as theatres of accountability: a dramaturgical analysis. <i>Local Government Studies</i> , 2020 , 1-20	1.6	1
12	The role of maternal preconception vitamin D status in human offspring sex ratio. <i>Nature Communications</i> , 2021 , 12, 2789	17.4	1
11	Shorter Time to Pregnancy With Increasing Preconception Carotene Concentrations Among Women With 1-2 Previous Pregnancy Losses. <i>American Journal of Epidemiology</i> , 2018 , 187, 1907-1915	3.8	1
10	Vaginal bleeding and nausea in early pregnancy as predictors of clinical pregnancy loss. <i>American Journal of Obstetrics and Gynecology</i> , 2020 , 223, 570.e1-570.e14	6.4	0
9	Is opioid use safe in women trying to conceive?. <i>Epidemiology</i> , 2020 , 31, 844-851	3.1	0
8	Patterns and prevalence of medication use across the menstrual cycle among healthy, reproductive aged women. <i>Pharmacoepidemiology and Drug Safety</i> , 2016 , 25, 618-27	2.6	0
7	Advancing the Health of Populations Across the Life Course: 50 Years of Discoveries in the Division of Intramural Population Health Research. <i>Epidemiology</i> , 2019 , 30 Suppl 2, S47-S54	3.1	0
6	Adiposity is associated with anovulation independent of serum free testosterone: A prospective cohort study. <i>Paediatric and Perinatal Epidemiology</i> , 2021 , 35, 174-183	2.7	0
5	A method to visualize a complete sensitivity analysis for loss to follow-up in clinical trials. <i>Contemporary Clinical Trials Communications</i> , 2020 , 19, 100586	1.8	
4	TWO AUTHORS REPLY. <i>American Journal of Epidemiology</i> , 2016 , 184, 554	3.8	
3	Preconception hemoglobin A1c concentration in healthy women is not associated with fecundability or pregnancy loss.. <i>F&S Reports</i> , 2022 , 3, 39-46	0.6	
2	Low Intake of Vegetable Protein is Associated With Altered Ovulatory Function Among Healthy Women of Reproductive Age. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e2600-e2612	5.6	
1	Combining Biomarker Calibration Data to Reduce Measurement Error. <i>Epidemiology</i> , 2019 , 30 Suppl 2, S3-S9	3.1	