

# Laurence S Freedman

## List of Publications by Year in descending order

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Version: 2024-02-01

116  
papers

13,891  
citations

53751

45  
h-index

27389

106  
g-index

124  
all docs

124  
docs citations

124  
times ranked

14964  
citing authors

#	ARTICLE	IF	CITATIONS
1	Waning Immune Humoral Response to BNT162b2 Covid-19 Vaccine over 6 Months. <i>New England Journal of Medicine</i> , 2021, 385, e84.	13.9	1,394
2	Protection of BNT162b2 Vaccine Booster against Covid-19 in Israel. <i>New England Journal of Medicine</i> , 2021, 385, 1393-1400.	13.9	979
3	Waning Immunity after the BNT162b2 Vaccine in Israel. <i>New England Journal of Medicine</i> , 2021, 385, e85.	13.9	860
4	Addressing Current Criticism Regarding the Value of Self-Report Dietary Data. <i>Journal of Nutrition</i> , 2015, 145, 2639-2645.	1.3	712
5	Structure of Dietary Measurement Error: Results of the OPEN Biomarker Study. <i>American Journal of Epidemiology</i> , 2003, 158, 14-21.	1.6	704
6	Statistical Methods for Estimating Usual Intake of Nutrients and Foods: A Review of the Theory. <i>Journal of the American Dietetic Association</i> , 2006, 106, 1640-1650.	1.3	566
7	Statistical validation of intermediate endpoints for chronic diseases. <i>Statistics in Medicine</i> , 1992, 11, 167-178.	0.8	564
8	Design and Serendipity in Establishing a Large Cohort with Wide Dietary Intake Distributions. <i>American Journal of Epidemiology</i> , 2001, 154, 1119-1125.	1.6	545
9	A New Statistical Method for Estimating the Usual Intake of Episodically Consumed Foods with Application to Their Distribution. <i>Journal of the American Dietetic Association</i> , 2006, 106, 1575-1587.	1.3	516
10	A mixed-effects model approach for estimating the distribution of usual intake of nutrients: The NCI method. <i>Statistics in Medicine</i> , 2010, 29, 2857-2868.	0.8	401
11	Pooled Results From 5 Validation Studies of Dietary Self-Report Instruments Using Recovery Biomarkers for Energy and Protein Intake. <i>American Journal of Epidemiology</i> , 2014, 180, 172-188.	1.6	372
12	Dealing With Dietary Measurement Error in Nutritional Cohort Studies. <i>Journal of the National Cancer Institute</i> , 2011, 103, 1086-1092.	3.0	364
13	A comparison of a food frequency questionnaire with a 24-hour recall for use in an epidemiological cohort study: results from the biomarker-based Observing Protein and Energy Nutrition (OPEN) study. <i>International Journal of Epidemiology</i> , 2003, 32, 1054-1062.	0.9	353
14	Protection by a Fourth Dose of BNT162b2 against Omicron in Israel. <i>New England Journal of Medicine</i> , 2022, 386, 1712-1720.	13.9	303
15	Validation of Intermediate End Points in Cancer Research. <i>Journal of the National Cancer Institute</i> , 1990, 82, 1746-1752.	3.0	296
16	BNT162b2 COVID-19 vaccine and correlates of humoral immune responses and dynamics: a prospective, single-centre, longitudinal cohort study in health-care workers. <i>Lancet Respiratory Medicine</i> , 2021, 9, 999-1009.	5.2	279
17	Protection and Waning of Natural and Hybrid Immunity to SARS-CoV-2. <i>New England Journal of Medicine</i> , 2022, 386, 2201-2212.	13.9	276
18	Empirical Evidence of Correlated Biases in Dietary Assessment Instruments and Its Implications. <i>American Journal of Epidemiology</i> , 2001, 153, 394-403.	1.6	248

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19	Modeling Data with Excess Zeros and Measurement Error: Application to Evaluating Relationships between Episodically Consumed Foods and Health Outcomes. <i>Biometrics</i> , 2009, 65, 1003-1010.	0.8	229
20	Pooled Results From 5 Validation Studies of Dietary Self-Report Instruments Using Recovery Biomarkers for Potassium and Sodium Intake. <i>American Journal of Epidemiology</i> , 2015, 181, 473-487.	1.6	203
21	Protection against Covid-19 by BNT162b2 Booster across Age Groups. <i>New England Journal of Medicine</i> , 2021, 385, 2421-2430.	13.9	185
22	Performance of a food-frequency questionnaire in the US NIHâ€™s AARP (National Institutes of Health) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 11, 183-195.	1.1	179
23	Taking Advantage of the Strengths of 2 Different Dietary Assessment Instruments to Improve Intake Estimates for Nutritional Epidemiology. <i>American Journal of Epidemiology</i> , 2012, 175, 340-347.	1.6	171
24	A comparison of two dietary instruments for evaluating the fatâ€™s breast cancer relationship. <i>International Journal of Epidemiology</i> , 2006, 35, 1011-1021.	0.9	140
25	Multi-center nationwide comparison of seven serology assays reveals a SARS-CoV-2 non-responding seronegative subpopulation. <i>EClinicalMedicine</i> , 2020, 29-30, 100651.	3.2	126
26	Phase I/II Study of Stem-Cell Transplantation Using a Single Cord Blood Unit Expanded Ex Vivo With Nicotinamide. <i>Journal of Clinical Oncology</i> , 2019, 37, 367-374.	0.8	110
27	Interpretation of Energy Adjustment Models for Nutritional Epidemiology. <i>American Journal of Epidemiology</i> , 1993, 137, 1376-1380.	1.6	107
28	Time-Dependent Risk of Cancer After a Diabetes Diagnosis in a Cohort of 2.3 Million Adults. <i>American Journal of Epidemiology</i> , 2016, 183, 1098-1106.	1.6	105
29	Estimating the Relation between Dietary Intake Obtained from a Food Frequency Questionnaire and True Average Intake. <i>American Journal of Epidemiology</i> , 1991, 134, 310-320.	1.6	98
30	Adjustments to Improve the Estimation of Usual Dietary Intake Distributions in the Population. <i>Journal of Nutrition</i> , 2004, 134, 1836-1843.	1.3	98
31	A new multivariate measurement error model with zero-inflated dietary data, and its application to dietary assessment. <i>Annals of Applied Statistics</i> , 2011, 5, 1456-1487.	0.5	96
32	Reduced Repair of the Oxidative 8-Oxoguanine DNA Damage and Risk of Head and Neck Cancer. <i>Cancer Research</i> , 2006, 66, 11683-11689.	0.4	92
33	STRATOS guidance document on measurement error and misclassification of variables in observational epidemiology: Part 1â€™s Basic theory and simple methods of adjustment. <i>Statistics in Medicine</i> , 2020, 39, 2197-2231.	0.8	90
34	A Populationâ€™s Mean Healthy Eating Index-2005 Scores Are Best Estimated by the Score of the Population Ratio when One 24-Hour Recall Is Available1,. <i>Journal of Nutrition</i> , 2008, 138, 1725-1729.	1.3	82
35	Can we use biomarkers in combination with self-reports to strengthen the analysis of nutritional epidemiologic studies?. <i>Epidemiologic Perspectives and Innovations</i> , 2010, 7, 2.	7.0	80
36	Estimation of polio infection prevalence from environmental surveillance data. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	68

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37	Superior immunogenicity and effectiveness of the third compared to the second BNT162b2 vaccine dose. <i>Nature Immunology</i> , 2022, 23, 940-946.	7.0	67
38	A comparison of regression calibration, moment reconstruction and imputation for adjusting for covariate measurement error in regression. <i>Statistics in Medicine</i> , 2008, 27, 5195-5216.	0.8	65
39	The Population Distribution of Ratios of Usual Intakes of Dietary Components That Are Consumed Every Day Can Be Estimated from Repeated 24-Hour Recalls. <i>Journal of Nutrition</i> , 2010, 140, 111-116.	1.3	63
40	Combining a Food Frequency Questionnaire With 24-Hour Recalls to Increase the Precision of Estimation of Usual Dietary Intakes—Evidence From the Validation Studies Pooling Project. <i>American Journal of Epidemiology</i> , 2018, 187, 2227-2232.	1.6	56
41	Omidubicel vs standard myeloablative umbilical cord blood transplantation: results of a phase 3 randomized study. <i>Blood</i> , 2021, 138, 1429-1440.	0.6	54
42	N-Methylpurine DNA Glycosylase and OGG1 DNA Repair Activities: Opposite Associations With Lung Cancer Risk. <i>Journal of the National Cancer Institute</i> , 2012, 104, 1765-1769.	3.0	53
43	A New Method for Dealing with Measurement Error in Explanatory Variables of Regression Models. <i>Biometrics</i> , 2004, 60, 172-181.	0.8	52
44	Epidemiologic analyses with error-prone exposures: review of current practice and recommendations. <i>Annals of Epidemiology</i> , 2018, 28, 821-828.	0.9	52
45	Small Samples and Ordered Logistic Regression. <i>American Statistician</i> , 2003, 57, 155-160.	0.9	51
46	Rituximab maintenance improves overall survival of patients with follicular lymphoma—Individual patient data meta-analysis. <i>European Journal of Cancer</i> , 2017, 76, 216-225.	1.3	50
47	A randomized controlled phase III study of VB-111 combined with bevacizumab vs bevacizumab monotherapy in patients with recurrent glioblastoma (GLOBE). <i>Neuro-Oncology</i> , 2020, 22, 705-717.	0.6	47
48	A Population's Distribution of Healthy Eating Index-2005 Component Scores Can Be Estimated When More Than One 24-Hour Recall Is Available , ,. <i>Journal of Nutrition</i> , 2010, 140, 1529-1534.	1.3	44
49	A Measurement Error Model for Physical Activity Level as Measured by a Questionnaire With Application to the 1999-2006 NHANES Questionnaire. <i>American Journal of Epidemiology</i> , 2013, 177, 1199-1208.	1.6	44
50	Evaluation of the 24-Hour Recall as a Reference Instrument for Calibrating Other Self-Report Instruments in Nutritional Cohort Studies: Evidence From the Validation Studies Pooling Project. <i>American Journal of Epidemiology</i> , 2017, 186, 73-82.	1.6	43
51	Disease management in the treatment of patients with chronic heart failure who have universal access to health care: a randomized controlled trial. <i>BMC Medicine</i> , 2017, 15, 90.	2.3	43
52	Diminishing benefit of smoking cessation medications during the first year: a meta-analysis of randomized controlled trials. <i>Addiction</i> , 2018, 113, 805-816.	1.7	43
53	STRATOS guidance document on measurement error and misclassification of variables in observational epidemiology: Part 2—More complex methods of adjustment and advanced topics. <i>Statistics in Medicine</i> , 2020, 39, 2232-2263.	0.8	43
54	Using Regression Calibration Equations That Combine Self-Reported Intake and Biomarker Measures to Obtain Unbiased Estimates and More Powerful Tests of Dietary Associations. <i>American Journal of Epidemiology</i> , 2011, 174, 1238-1245.	1.6	41

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55	Gains in Statistical Power From Using a Dietary Biomarker in Combination With Self-reported Intake to Strengthen the Analysis of a Diet-Disease Association: An Example From CAREDS. <i>American Journal of Epidemiology</i> , 2010, 172, 836-842.	1.6	39
56	Is It Necessary to Correct for Measurement Error in Nutritional Epidemiology?. <i>Annals of Internal Medicine</i> , 2007, 146, 65.	2.0	35
57	The role of nutritional habits during gestation and child life in pediatric brain tumor etiology. , 2000, 86, 139-143.		34
58	Diabetes, prostate cancer screening and risk of low- and high-grade prostate cancer: an 11-year historical population follow-up study of more than 1 million men. <i>Diabetologia</i> , 2016, 59, 1683-1691.	2.9	32
59	Cohort-Controlled Comparison of Umbilical Cord Blood Transplantation Using Carlecortemcel-L, a Single Progenitor-Enriched Cord Blood, to Double Cord Blood Unit Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2018, 24, 1463-1470.	2.0	31
60	Metformin Treatment and Cancer Risk: Cox Regression Analysis, With Time-Dependent Covariates, of 320,000 Persons With Incident Diabetes Mellitus. <i>American Journal of Epidemiology</i> , 2019, 188, 1794-1800.	1.6	31
61	Similarity of Protection Conferred by Previous SARS-CoV-2 Infection and by BNT162b2 Vaccine: A 3-Month Nationwide Experience From Israel. <i>American Journal of Epidemiology</i> , 2022, 191, 1420-1428.	1.6	27
62	Low Integrated DNA Repair Score and Lung Cancer Risk. <i>Cancer Prevention Research</i> , 2014, 7, 398-406.	0.7	26
63	An analysis of the controversy over classical one-sided tests. <i>Clinical Trials</i> , 2008, 5, 635-640.	0.7	25
64	Development of APE1 enzymatic DNA repair assays: low APE1 activity is associated with increase lung cancer risk. <i>Carcinogenesis</i> , 2015, 36, 982-991.	1.3	24
65	Chromatic Multifocal Pupillometer for Objective Perimetry and Diagnosis of Patients with Retinitis Pigmentosa. <i>Ophthalmology</i> , 2016, 123, 1898-1911.	2.5	24
66	Safety and efficacy of VB-111, an anticancer gene therapy, in patients with recurrent glioblastoma: results of a phase I/II study. <i>Neuro-Oncology</i> , 2020, 22, 694-704.	0.6	23
67	Using Short-Term Dietary Intake Data to Address Research Questions Related to Usual Dietary Intake among Populations and Subpopulations: Assumptions, Statistical Techniques, and Considerations. <i>Journal of the Academy of Nutrition and Dietetics</i> , 2022, 122, 1246-1262.	0.4	22
68	Validating an FFQ for intake of episodically consumed foods: application to the National Institutes of Health's AARP Diet and Health Study. <i>Public Health Nutrition</i> , 2011, 14, 1212-1221.	1.1	21
69	Statistical issues related to dietary intake as the response variable in intervention trials. <i>Statistics in Medicine</i> , 2016, 35, 4493-4508.	0.8	21
70	StemEx®(Copper Chelation Based) Ex Vivo Expanded Umbilical Cord Blood Stem Cell Transplantation (UCBT) Accelerates Engraftment and Improves 100 Day Survival In Myeloablated Patients Compared To a Registry Cohort Undergoing Double Unit UCBT: Results Of a Multicenter Study Of 101 Patients With Hematologic Malignancies. <i>Blood</i> , 2013, 122, 295-295.	0.6	21
71	Diabetes among Ethiopian Immigrants to Israel: Exploring the Effects of Migration and Ethnicity on Diabetes Risk. <i>PLoS ONE</i> , 2016, 11, e0157354.	1.1	20
72	Covariate Measurement Error Adjustment for Matched Case-Control Studies. <i>Biometrics</i> , 2001, 57, 62-73.	0.8	19

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73	Policy encouraging earlier hip fracture surgery can decrease the long-term mortality of elderly patients. <i>Injury</i> , 2014, 45, 1085-1090.	0.7	19
74	Estimating and testing interactions in linear regression models when explanatory variables are subject to classical measurement error. <i>Statistics in Medicine</i> , 2007, 26, 4293-4310.	0.8	18
75	Using Biomarker Data to Adjust Estimates of the Distribution of Usual Intakes for Misreporting: Application to Energy Intake in the US Population. <i>Journal of the American Dietetic Association</i> , 2008, 108, 455-464.	1.3	17
76	Enzymatic MPG DNA repair assays for two different oxidative DNA lesions reveal associations with increased lung cancer risk. <i>Carcinogenesis</i> , 2014, 35, 2763-2770.	1.3	17
77	Application of a New Statistical Model for Measurement Error to the Evaluation of Dietary Self-report Instruments. <i>Epidemiology</i> , 2015, 26, 925-933.	1.2	16
78	Measurement Error Affecting Web- and Paper-Based Dietary Assessment Instruments: Insights From the Multi-Cohort Eating and Activity Study for Understanding Reporting Error. <i>American Journal of Epidemiology</i> , 2022, 191, 1125-1139.	1.6	16
79	Cancer risk among Holocaust survivors in Israel—A nationwide study. <i>Cancer</i> , 2017, 123, 3335-3345.	2.0	15
80	Methods of Epidemiology: Evaluating the Fat—Breast Cancer Hypothesis—Comparing Dietary Instruments and Other Developments. <i>Cancer Journal (Sudbury, Mass )</i> , 2008, 14, 69-74.	1.0	14
81	Traumeel SÂ® for pain relief following hallux valgus surgery: a randomized controlled trial. <i>BMC Clinical Pharmacology</i> , 2010, 10, 9.	2.5	14
82	Reply to E Archer and SN Blair. <i>Advances in Nutrition</i> , 2015, 6, 489-489.	2.9	14
83	The impact of stratification by implausible energy reporting status on estimates of diet—health relationships. <i>Biometrical Journal</i> , 2016, 58, 1538-1551.	0.6	14
84	A Bivariate Measurement Error Model for Semicontinuous and Continuous Variables: Application to Nutritional Epidemiology. <i>Biometrics</i> , 2016, 72, 106-115.	0.8	13
85	Imputing missing time-dependent covariate values for the discrete time Cox model. <i>Statistical Methods in Medical Research</i> , 2020, 29, 2074-2086.	0.7	12
86	BNT162b2 vaccine effectiveness was marginally affected by the SARS-CoV-2 beta variant in fully vaccinated individuals. <i>Journal of Clinical Epidemiology</i> , 2022, 142, 38-44.	2.4	12
87	Quantitative science methods for biomarker validation in chemoprevention trials. <i>Cancer Biomarkers</i> , 2007, 3, 135-140.	0.8	11
88	A statistical model for measurement error that incorporates variation over time in the target measure, with application to nutritional epidemiology. <i>Statistics in Medicine</i> , 2015, 34, 3590-3605.	0.8	11
89	Disease Management plus Recommended Care versus Recommended Care Alone for Ambulatory Patients with Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1565-1574.	2.5	11
90	Investigating the performance of 24-h urinary sucrose and fructose as a biomarker of total sugars intake in US participants—a controlled feeding study. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 721-730.	2.2	11

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91	DNA Repair Biomarker for Lung Cancer Risk and its Correlation With Airway Cells Gene Expression. <i>JNCI Cancer Spectrum</i> , 2020, 4, pkz067.	1.4	10
92	Commentary on Assessing surrogates as trial endpoints using mixed models by E. L. Korn, P. S. Albert and L. M. McShane. <i>Statistics in Medicine</i> , 2005, 24, 183-185.	0.8	8
93	Measurement error models with interactions. <i>Biostatistics</i> , 2016, 17, 277-290.	0.9	8
94	Newly diagnosed type 2 diabetes may serve as a potential marker for pancreatic cancer. <i>Diabetes/Metabolism Research and Reviews</i> , 2018, 34, e3018.	1.7	7
95	Utilizing an interim futility analysis of the OVAL study (VB-111-701/GOG 3018) for potential reduction of risk: A phase III, double blind, randomized controlled trial of ofranogene obadenovec (VB-111) and weekly paclitaxel in patients with platinum resistant ovarian cancer. <i>Gynecologic Oncology</i> , 2021, 161, 496-501.	0.6	7
96	Comparing Coronavirus Disease 2019 (COVID-19) Pandemic Waves in Hospitalized Patients: A Retrospective, Multicenter, Cohort Study. <i>Clinical Infectious Diseases</i> , 2022, 75, e389-e396.	2.9	7
97	An evaluation of the serum carbon isotope ratio as a candidate predictive biomarker of the dietary animal protein ratio (animal protein/total protein) in a 15-day controlled feeding study of US adults. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 1134-1143.	2.2	6
98	Establishing 24-Hour Urinary Sucrose Plus Fructose as a Predictive Biomarker for Total Sugars Intake. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2022, 31, 1227-1232.	1.1	6
99	Retinoid X receptor: the forgotten partner in regulating lipid metabolism?. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 5-6.	2.2	3
100	Ofranogene obadenovec (VB-111), an anti-cancer gene therapy in combination with bevacizumab to improve overall survival compared to bevacizumab monotherapy in patients with rGBM: A phase 2 historically controlled trial.. <i>Journal of Clinical Oncology</i> , 2016, 34, 2074-2074.	0.8	3
101	Estimation of infection prevalence and sensitivity in a stratified two-stage sampling design employing highly specific diagnostic tests when there is no gold standard. <i>Statistics in Medicine</i> , 2015, 34, 3349-3361.	0.8	2
102	Moment Reconstruction and Moment-Adjusted Imputation When Exposure Is Generated by a Complex, Nonlinear Random Effects Modeling Process. <i>Biometrics</i> , 2016, 72, 1369-1377.	0.8	2
103	Reply to NV Dhurandhar et al.. <i>Journal of Nutrition</i> , 2016, 146, 1142-1143.	1.3	2
104	Rapid Decline of Zika Virus IgM Antibodies against the NS1 Protein in Imported Israeli Cases. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 106, 1121-1125.	0.6	2
105	Estimating and testing interactions when explanatory variables are subject to non-classical measurement error. <i>Statistical Methods in Medical Research</i> , 2016, 25, 1991-2013.	0.7	1
106	Reply to cancer risk among Holocaust survivors in Israel. <i>Cancer</i> , 2017, 123, 4295-4296.	2.0	1
107	Is there evidence for sex differences in the association between diabetes and cancer?. <i>Diabetologia</i> , 2019, 62, 199-200.	2.9	1
108	Clinical trial in progress: A study of VB-111 combined with paclitaxel vs. paclitaxel for treatment of recurrent platinum-resistant ovarian cancer (OVAL, VB-111-701/GOG-3018).. <i>Journal of Clinical Oncology</i> , 2018, 36, TPS5609-TPS5609.	0.8	1



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109	What is quantitative significance and is it useful?. , 1999, 18, 2583-2584.		0
110	On the formation and use of calibration equations in nutritional epidemiology – Discussion of the Paper by R. L. Prentice and Y. Huang. Statistical Theory and Related Fields, 2018, 2, 11-13.	0.2	0
111	A modified Prevalence Incidence Analysis Model method may improve disease prevalence prediction. Journal of Clinical Epidemiology, 2020, 123, 18-26.	2.4	0
112	Combining self-report dietary assessment instruments to reduce the effects of measurement error. FASEB Journal, 2012, 26, 129.1.	0.2	0
113	Individual Patient Data (IPD) Meta-Analysis of Rituximab Maintenance (MR) for Patients (pts) with Follicular Lymphoma (FL). Blood, 2014, 124, 4462-4462.	0.6	0
114	Treatment through progression with ofranogene obadenovec (VB-111), an anti-cancer viral therapy, significantly attenuates tumor growth in recurrent GBM: Individual phase 2 patient data.. Journal of Clinical Oncology, 2017, 35, 2055-2055.	0.8	0
115	Celiac plexus radiosurgery for pain management in advanced cancer patients: An international phase II trial.. Journal of Clinical Oncology, 2019, 37, TPS466-TPS466.	0.8	0
116	Added Sugars Intake Explained by Amino Acid Carbon Isotope Ratio Profiles in a Controlled Feeding Study of U.S. Adults. Current Developments in Nutrition, 2022, 6, 911.	0.1	0