Thomas Lumley

List of Publications by Year
in descending order

151 papers	21,693 citations	13099 68 h-index	9861 141 g-index
161 all docs	161 docs citations	161 times ranked	35150 citing authors

#	Article	IF	Citations
1	Multiwave validation sampling for error‐prone electronic health records. Biometrics, 2023, 79, 2649-2663.	1.4	4
2	Optimal sampling for design‐based estimators of regression models. Statistics in Medicine, 2022, 41, 1482-1497.	1.6	2
3	Raking and regression calibration: Methods to address bias from correlated covariate and time‐to‐event error. Statistics in Medicine, 2021, 40, 631-649.	1.6	14
4	Improved generalized raking estimators to address dependent covariate and failure‐time outcome error. Biometrical Journal, 2021, 63, 1006-1027.	1.0	4
5	Two-Phase Sampling Designs for Data Validation in Settings with Covariate Measurement Error and Continuous Outcome. Journal of the Royal Statistical Society Series A: Statistics in Society, 2021, 184, 1368-1389.	1.1	7
6	Combining multiple imputation with raking of weights: An efficient and robust approach in the setting of nearly true models. Statistics in Medicine, 2021, 40, 6777-6791.	1.6	5
7	Optimal multiwave sampling for regression modeling in two‐phase designs. Statistics in Medicine, 2020, 39, 4912-4921.	1.6	12
8	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, 4957.	12.8	84
9	Pathway analysis of a genome-wide gene by air pollution interaction study in asthmatic children. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 539-547.	3.9	13
10	A Re-Evaluation of Fixed Effect(s) Meta-Analysis. Journal of the Royal Statistical Society Series A: Statistics in Society, 2018, 181, 205-227.	1.1	159
11	Fitting Regression Models to Survey Data. Statistical Science, 2017, 32, .	2.8	86
12	Pseudo-R ^{2} statistics under complex sampling. Australian and New Zealand Journal of Statistics, 2017, 59, 187-194.	0.9	8
13	Meta-analysis of genome-wide association studies of HDL cholesterol response to statins. Journal of Medical Genetics, 2016, 53, 835-845.	3.2	28
14	Genetic Diversity and Association Studies in US Hispanic/Latino Populations: Applications in the Hispanic Community Health Study/Study of Latinos. American Journal of Human Genetics, 2016, 98, 165-184.	6.2	266
15	Ambient air pollution, lung function, and airway responsiveness in asthmatic children. Journal of Allergy and Clinical Immunology, 2016, 137, 390-399.	2.9	119
16	Generalized estimating equations for genome‐wide association studies using longitudinal phenotype data. Statistics in Medicine, 2015, 34, 118-130.	1.6	37
17	Drug-Gene Interactions of Antihypertensive Medications and Risk of Incident Cardiovascular Disease: A Pharmacogenomics Study from the CHARGE Consortium. PLoS ONE, 2015, 10, e0140496.	2.5	15
18	Dietary fatty acids modulate associations between genetic variants and circulating fatty acids in plasma and erythrocyte membranes: Meta‐analysis of nine studies in the CHARGE consortium. Molecular Nutrition and Food Research, 2015, 59, 1373-1383.	3.3	37

#	Article	IF	Citations
19	Directional dominance on stature and cognition inÂdiverse human populations. Nature, 2015, 523, 459-462.	27.8	173
20	White Matter Lesion Progression. Stroke, 2015, 46, 3048-3057.	2.0	27
21	Large-Scale Genome-Wide Association Studies and Meta-Analyses of Longitudinal Change in Adult Lung Function. PLoS ONE, 2014, 9, e100776.	2.5	52
22	No Evidence for Genome-Wide Interactions on Plasma Fibrinogen by Smoking, Alcohol Consumption and Body Mass Index: Results from Meta-Analyses of 80,607 Subjects. PLoS ONE, 2014, 9, e111156.	2.5	8
23	Pharmacogenetic meta-analysis of genome-wide association studies of LDL cholesterol response to statins. Nature Communications, 2014, 5, 5068.	12.8	216
24	<i>ADAM19</i> and <i>HTR4</i> Variants and Pulmonary Function. Circulation: Cardiovascular Genetics, 2014, 7, 350-358.	5.1	8
25	Whole-Exome Sequencing Identifies Rare and Low-Frequency Coding Variants Associated with LDL Cholesterol. American Journal of Human Genetics, 2014, 94, 233-245.	6.2	193
26	Lower Risk of Cardiovascular Events in Postmenopausal Women Taking Oral Estradiol Compared With Oral Conjugated Equine Estrogens. JAMA Internal Medicine, 2014, 174, 25.	5.1	95
27	Predicting Stroke Through Genetic Risk Functions. Stroke, 2014, 45, 403-412.	2.0	62
28	Genome-wide association analysis identifies six new loci associated with forced vital capacity. Nature Genetics, 2014, 46, 669-677.	21.4	131
29	Strategies to Design and Analyze Targeted Sequencing Data. Circulation: Cardiovascular Genetics, 2014, 7, 335-343.	5.1	18
30	Sequencing of <i>SCN5A</i> Identifies Rare and Common Variants Associated With Cardiac Conduction: Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium. Circulation: Cardiovascular Genetics, 2014, 7, 365-373.	5.1	12
31	Associations of NINJ2 Sequence Variants with Incident Ischemic Stroke in the Cohorts for Heart and Aging in Genomic Epidemiology (CHARGE) Consortium. PLoS ONE, 2014, 9, e99798.	2.5	11
32	Sequence Analysis of Six Blood Pressure Candidate Regions in 4,178 Individuals: The Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Targeted Sequencing Study. PLoS ONE, 2014, 9, e109155.	2.5	19
33	Partial likelihood ratio tests for the Cox model under complex sampling. Statistics in Medicine, 2013, 32, 110-123.	1.6	8
34	A Genomeâ€Wide Association Study for Venous Thromboembolism: The Extended Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium. Genetic Epidemiology, 2013, 37, 512-521.	1.3	99
35	Systematic identification of trans eQTLs as putative drivers of known disease associations. Nature Genetics, 2013, 45, 1238-1243.	21.4	1,544
36	Validation sampling can reduce bias in health care database studies: an illustration using influenza vaccination effectiveness. Journal of Clinical Epidemiology, 2013, 66, S110-S121.	5.0	11

#	Article	IF	Citations
37	Genetic variation associated with circulating monocyte count in the eMERGE Network. Human Molecular Genetics, 2013, 22, 2119-2127.	2.9	56
38	Multiethnic Meta-Analysis of Genome-Wide Association Studies in >100 000 Subjects Identifies 23 Fibrinogen-Associated Loci but No Strong Evidence of a Causal Association Between Circulating Fibrinogen and Cardiovascular Disease. Circulation, 2013, 128, 1310-1324.	1.6	128
39	Semiparametric models and two-phase samples: Applications to Cox regression. Institute of Mathematical Statistics Collections, 2013, , 65-77.	0.3	1
40	Insights into the Genetic Architecture of Early Stage Age-Related Macular Degeneration: A Genome-Wide Association Study Meta-Analysis. PLoS ONE, 2013, 8, e53830.	2.5	108
41	Genome-Wide Association Study of Retinopathy in Individuals without Diabetes. PLoS ONE, 2013, 8, e54232.	2.5	22
42	Genetic Loci for Retinal Arteriolar Microcirculation. PLoS ONE, 2013, 8, e65804.	2.5	27
43	Genome-Wide Joint Meta-Analysis of SNP and SNP-by-Smoking Interaction Identifies Novel Loci for Pulmonary Function. PLoS Genetics, 2012, 8, e1003098.	3.5	130
44	Prospective Study of Particulate Air Pollution Exposures, Subclinical Atherosclerosis, and Clinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis and Air Pollution (MESA Air). American Journal of Epidemiology, 2012, 176, 825-837.	3.4	126
45	Genome-Wide Association Studies Identify *CHRNA5/3* and *HTR4* in the Development of Airflow Obstruction. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 622-632.	5.6	164
46	GWASTools: an R/Bioconductor package for quality control and analysis of genome-wide association studies. Bioinformatics, 2012, 28, 3329-3331.	4.1	177
47	Behavior of QQ-Plots and Genomic Control in Studies of Gene-Environment Interaction. PLoS ONE, 2011, 6, e19416.	2.5	93
48	Cerivastatin, genetic variants, and the risk of rhabdomyolysis. Pharmacogenetics and Genomics, 2011, 21, 280-288.	1.5	90
49	Genetic variation associated with plasma von Willebrand factor levels and the risk of incident venous thrombosis. Blood, 2011, 117, 6007-6011.	1.4	97
50	Connections between Survey Calibration Estimators and Semiparametric Models for Incomplete Data. International Statistical Review, 2011, 79, 200-220.	1.9	67
51	Genome€wide association studies of cerebral white matter lesion burden. Annals of Neurology, 2011, 69, 928-939.	5.3	201
52	CUBN Is a Gene Locus for Albuminuria. Journal of the American Society of Nephrology: JASN, 2011, 22, 555-570.	6.1	208
53	Evaluating the Incremental Value of New Biomarkers With Integrated Discrimination Improvement. American Journal of Epidemiology, 2011, 174, 364-374.	3.4	153
54	Genetic Predictors of Fibrin D-Dimer Levels in Healthy Adults. Circulation, 2011, 123, 1864-1872.	1.6	60

#	Article	IF	Citations
55	Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. Nature Genetics, 2011, 43, 1082-1090.	21.4	367
56	Efficient measurement error correction with spatially misaligned data. Biostatistics, 2011, 12, 610-623.	1.5	105
57	Multiple Loci Are Associated with White Blood Cell Phenotypes. PLoS Genetics, 2011, 7, e1002113.	3.5	106
58	Genetic Loci Associated with Plasma Phospholipid n-3 Fatty Acids: A Meta-Analysis of Genome-Wide Association Studies from the CHARGE Consortium. PLoS Genetics, 2011, 7, e1002193.	3.5	324
59	Predicting intra–urban variation in air pollution concentrations with complex spatio–temporal dependencies. Environmetrics, 2010, 21, 606-631.	1.4	116
60	Genome-Wide Association Studies of MRI-Defined Brain Infarcts. Stroke, 2010, 41, 210-217.	2.0	82
61	Model-robust regression and a Bayesian "sandwich" estimator. Annals of Applied Statistics, 2010, 4, .	1.1	39
62	Diabetes Mellitus, Glycemic Control, and Risk of Atrial Fibrillation. Journal of General Internal Medicine, 2010, 25, 853-858.	2.6	238
63	Quality control and quality assurance in genotypic data for genome–wide association studies. Genetic Epidemiology, 2010, 34, 591-602.	1.3	389
64	Meta-analyses of genome-wide association studies identify multiple loci associated with pulmonary function. Nature Genetics, 2010, 42, 45-52.	21.4	549
65	New loci associated with kidney function and chronic kidney disease. Nature Genetics, 2010, 42, 376-384.	21.4	710
66	Novel Associations of Multiple Genetic Loci With Plasma Levels of Factor VII, Factor VIII, and von Willebrand Factor. Circulation, 2010, 121, 1382-1392.	1.6	311
67	Genome-wide Analysis of Genetic Loci Associated With Alzheimer Disease. JAMA - Journal of the American Medical Association, 2010, 303, 1832.	7.4	1,064
68	Potential for Revealing Individual-Level Information in Genome-wide Association Studies. JAMA - Journal of the American Medical Association, 2010, 303, 659.	7.4	32
69	Association of Genome-Wide Variation With the Risk of Incident Heart Failure in Adults of European and African Ancestry. Circulation: Cardiovascular Genetics, 2010, 3, 256-266.	5.1	176
70	Genomic Variation Associated With Mortality Among Adults of European and African Ancestry With Heart Failure. Circulation: Cardiovascular Genetics, 2010, 3, 248-255.	5.1	80
71	Four Novel Loci (19q13, 6q24, 12q24, and 5q14) Influence the Microcirculation In Vivo. PLoS Genetics, 2010, 6, e1001184.	3.5	134
72	Genomewide Association Studies of Stroke. New England Journal of Medicine, 2009, 360, 1718-1728.	27.0	420

#	Article	IF	Citations
73	Gene Variants Associated With Ischemic Stroke. Stroke, 2009, 40, 363-368.	2.0	46
74	Antihypertensive Treatment With ACE Inhibitors or Â-Blockers and Risk of Incident Atrial Fibrillation in a General Hypertensive Population. American Journal of Hypertension, 2009, 22, 538-544.	2.0	44
75	Association of Novel Genetic Loci With Circulating Fibrinogen Levels. Circulation: Cardiovascular Genetics, 2009, 2, 125-133.	5.1	86
76	Improved Horvitzâ€"Thompson Estimation of Model Parameters from Two-phase Stratified Samples: Applications in Epidemiology. Statistics in Biosciences, 2009, 1, 32-49.	1.2	112
77	Common variants at ten loci influence QT interval duration in the QTGEN Study. Nature Genetics, 2009, 41, 399-406.	21.4	386
78	Multiple loci associated with indices of renal function and chronic kidney disease. Nature Genetics, 2009, 41, 712-717.	21.4	553
79	Genome-wide association study of blood pressure and hypertension. Nature Genetics, 2009, 41, 677-687.	21.4	1,224
80	Variants in ZFHX3 are associated with atrial fibrillation in individuals of European ancestry. Nature Genetics, 2009, 41, 879-881.	21.4	363
81	Multiple loci influence erythrocyte phenotypes in the CHARGE Consortium. Nature Genetics, 2009, 41, 1191-1198.	21.4	324
82	A network meta-analysis combined direct and indirect comparisons between glaucoma drugs to rank effectiveness in lowering intraocular pressure. Journal of Clinical Epidemiology, 2009, 62, 1279-1283.	5.0	75
83	Discovering novel risk factors for venous thrombosis: a candidate-gene approach. Thrombosis Research, 2009, 123, S25-S29.	1.7	2
84	Using the Whole Cohort in the Analysis of Case-Cohort Data. American Journal of Epidemiology, 2009, 169, 1398-1405.	3.4	130
85	Motivating Factors for Physician Ordering of Factor V Leiden Genetic Tests. Archives of Internal Medicine, 2009, 169, 68.	3.8	16
86	Breast cancer recurrence risk in relation to antidepressant use after diagnosis. Breast Cancer Research and Treatment, 2008, 112, 123-132.	2.5	56
87	Cholesterol Ester Transfer Protein, Interleukin-8, Peroxisome Proliferator Activator Receptor Alpha, and Toll-Like Receptor 4 Genetic Variations and Risk of Incident Nonfatal Myocardial Infarction and Ischemic Stroke. American Journal of Cardiology, 2008, 101, 1683-1688.	1.6	50
88	Surrogate End Points and FDA Approval. JAMA - Journal of the American Medical Association, 2008, 299, 1474.	7.4	39
89	Association of Gene Variants With Incident Myocardial Infarction in the Cardiovascular Health Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 173-179.	2.4	165
90	Graphical exploration of network meta-analysis data: the use of multidimensional scaling. Clinical Trials, 2008, 5, 301-307.	1.6	22

#	ARTICLE	IF	CITATIONS
91	Common variation in cytochrome P450 epoxygenase genes and the risk of incident nonfatal myocardial infarction and ischemic stroke. Pharmacogenetics and Genomics, 2008, 18, 535-543.	1.5	51
92	Common genetic variation in six lipid-related and statin-related genes, statin use and risk of incident nonfatal myocardial infarction and stroke. Pharmacogenetics and Genomics, 2008, 18, 677-682.	1.5	25
93	Renin-Angiotensin System Haplotypes and the Risk of Myocardial Infarction and Stroke in Pharmacologically Treated Hypertensive Patients. American Journal of Epidemiology, 2007, 166, 19-27.	3.4	26
94	Association of Genetic Variations With Nonfatal Venous Thrombosis in Postmenopausal Women. JAMA - Journal of the American Medical Association, 2007, 297, 489.	7.4	171
95	Simple estimates of haplotype relative risks in case-control data. Genetic Epidemiology, 2006, 30, 485-494.	1.3	43
96	Risk of New-Onset Atrial Fibrillation in Relation to Body Mass Index. Archives of Internal Medicine, 2006, 166, 2322.	3.8	258
97	Common Genetic Variation in the Prothrombin Gene, Hormone Therapy, and Incident Nonfatal Myocardial Infarction in Postmenopausal Women. American Journal of Epidemiology, 2006, 163, 600-607.	3.4	6
98	Ambient Air Pollution and Asthma Exacerbations in Children: An Eight-City Analysis. American Journal of Epidemiology, 2006, 164, 505-517.	3.4	179
99	Conjugated Equine Estrogen, Esterified Estrogen, Prothrombotic Variants, and the Risk of Venous Thrombosis in Postmenopausal Women. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2807-2812.	2.4	21
100	Cox Models for Ecologic Time-Series Data?. Environmental Health Perspectives, 2006, 114, A690-1; author reply A691.	6.0	1
101	Do Subject Characteristics Modify the Effects of Particulate Air Pollution on Daily Mortality Among the Elderly?. Journal of Occupational and Environmental Medicine, 2005, 47, 543.	1.7	0
102	Exposure and measurement contributions to estimates of acute air pollution effects. Journal of Exposure Science and Environmental Epidemiology, 2005, 15, 366-376.	3.9	51
103	Overlap bias in the case-crossover design, with application to air pollution exposures. Statistics in Medicine, 2005, 24, 285-300.	1.6	143
104	Exhaled Nitric Oxide in Children with Asthma and Short-Term PM2.5Exposure in Seattle. Environmental Health Perspectives, 2005, 113, 1791-1794.	6.0	87
105	Pulmonary Effects of Indoor- and Outdoor-Generated Particles in Children with Asthma. Environmental Health Perspectives, 2005, 113, 499-503.	6.0	183
106	Case???Crossover Analyses of Air Pollution Exposure Data. Epidemiology, 2005, 16, 717-726.	2.7	606
107	?-adrenergic receptor polymorphisms and determinants of cardiovascular risk: The Cardiovascular Health Study. American Journal of Hypertension, 2005, 18, 392-397.	2.0	28
108	An Introduction to Survival Analysis Using <i>Stata</i> (Revised Edition). Journal of Statistical Software, 2005, 12, .	3.7	4

#	Article	IF	Citations
109	Symbol Index. Wiley Series in Probability and Statistics, 2004, , 867-871.	0.0	0
110	Sample Sizes for Observational Studies. Wiley Series in Probability and Statistics, 2004, , 709-727.	0.0	1
111	Personal Postscript. Wiley Series in Probability and Statistics, 2004, , 787-816.	0.0	0
112	Esterified Estrogens and Conjugated Equine Estrogens and the Risk of Venous Thrombosis. JAMA - Journal of the American Medical Association, 2004, 292, 1581.	7.4	157
113	On the Edge: Statistics & Computing. Chance, 2004, 17, 52-54.	0.2	0
114	The Association Between Lipid Levels and the Risks of Incident Myocardial Infarction, Stroke, and Total Mortality: The Cardiovascular Health Study. Journal of the American Geriatrics Society, 2004, 52, 1639-1647.	2.6	186
115	Introduction to Biostatistics. Wiley Series in Probability and Statistics, 2004, , 1-9.	0.0	0
116	Biostatistical Design of Medical Studies. Wiley Series in Probability and Statistics, 2004, , 10-24.	0.0	0
117	Statistical Inference: Populations and Samples. Wiley Series in Probability and Statistics, 2004, , 61-116.	0.0	1
118	One- and Two-Sample Inference. Wiley Series in Probability and Statistics, 2004, , 117-150.	0.0	1
119	Counting Data. Wiley Series in Probability and Statistics, 2004, , 151-207.	0.0	2
120	Categorical Data: Contingency Tables. Wiley Series in Probability and Statistics, 2004, , 208-252.	0.0	2
121	Nonparametric, Distribution-Free, and Permutation Models: Robust Procedures. Wiley Series in Probability and Statistics, 2004, , 253-290.	0.0	2
122	Association and Prediction: Linear Models with One Predictor Variable. Wiley Series in Probability and Statistics, 2004, , 291-356.	0.0	0
123	Multiple Comparisons. Wiley Series in Probability and Statistics, 2004, , 520-549.	0.0	2
124	Rates and Proportions. Wiley Series in Probability and Statistics, 2004, , 640-660.	0.0	2
125	Randomized Clinical Trials. Wiley Series in Probability and Statistics, 2004, , 766-786.	0.0	0
126	Discrimination and Classification. Wiley Series in Probability and Statistics, 2004, , 550-583.	0.0	1

#	ARTICLE	IF	CITATIONS
127	Principal Component Analysis and Factor Analysis. Wiley Series in Probability and Statistics, 2004, , 584-639.	0.0	3
128	Association and Prediction: Multiple Regression Analysis and Linear Models with Multiple Predictor Variables. Wiley Series in Probability and Statistics, 2004, , 428-519.	0.0	0
129	Time trends in the use of Î²-blockers and other pharmacotherapies in older adults with congestive heart failure. American Heart Journal, 2004, 148, 710-717.	2.7	43
130	Longitudinal Data Analysis. Wiley Series in Probability and Statistics, 2004, , 728-765.	0.0	3
131	Analysis of the Time to an Event: Survival Analysis. Wiley Series in Probability and Statistics, 2004, , 661-708.	0.0	3
132	Effects of ambient air pollution on symptom severity and medication use in children with asthma. Annals of Allergy, Asthma and Immunology, 2003, 91, 346-353.	1.0	119
133	Health Outcomes Associated With Various Antihypertensive Therapies Used as First-Line Agents. JAMA - Journal of the American Medical Association, 2003, 289, 2534.	7.4	869
134	Î² 2 -Adrenergic Receptor Polymorphisms and Risk of Incident Cardiovascular Events in the Elderly. Circulation, 2003, 107, 2021-2024.	1.6	86
135	On the Edge: Statistics & Computing. Chance, 2003, 16, 39-44.	0.2	0
136	On the Edge: Statistics & Computing. Chance, 2003, 16, 41-45.	0.2	8
137	On the Edge: Statistics & Computing. Chance, 2003, 16, 44-48.	0.2	0
138	Exposure assessment of particulate matter for susceptible populations in Seattle.. Environmental Health Perspectives, 2003, 111, 909-918.	6.0	158
139	On the Edge: Statistics & Computing. Chance, 2002, 15, 52-55.	0.2	0
140	On the Edge: Statistics & Computing. Chance, 2002, 15, 39-42.	0.2	1
141	On the Edge: Statistics & Computing. Chance, 2002, 15, 40-42.	0.2	1
142	Diuretic Therapy, the Î±-Adducin Gene Variant, and the Risk of Myocardial Infarction or Stroke in Persons With Treated Hypertension. JAMA - Journal of the American Medical Association, 2002, 287, 1680.	7.4	189
143	The Importance of the Normality Assumption in Large Public Health Data Sets. Annual Review of Public Health, 2002, 23, 151-169.	17.4	1,192
144	Spatial Characteristics of Fine Particulate Matter: Identifying Representative Monitoring Locations in Seattle, Washington. Journal of the Air and Waste Management Association, 2002, 52, 324-333.	1.9	55

#	Article	IF	Citations
145	A stroke prediction score in the elderly. Journal of Clinical Epidemiology, 2002, 55, 129-136.	5.0	97
146	Network meta-analysis for indirect treatment comparisons. Statistics in Medicine, 2002, 21, 2313-2324.	1.6	985
147	On the Edge: Statistics & Computing. Chance, 2002, 15, 46-49.	0.2	0
148	Association Between Blood Pressure Level and the Risk of Myocardial Infarction, Stroke, and Total Mortality. Archives of Internal Medicine, 2001, 161, 1183.	3.8	362
149	A Case-Crossover Analysis of Particulate Matter Air Pollution and Out-of-Hospital Primary Cardiac Arrest. Epidemiology, 2001, 12, 193-199.	2.7	138
150	Bias in the case - crossover design: implications for studies of air pollution. Environmetrics, 2000, 11, 689-704.	1.4	222
151	Assessing seasonal confounding and model selection bias in air pollution epidemiology using positive and negative control analyses. Environmetrics, 2000, 11, 705-717.	1.4	41