Jonathan S Schildcrout

List of Publications by Year
in descending order

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96 papers	4,045 citations	126907 33 h-index	128289 60 g-index
98 all docs	98 docs citations	98 times ranked	6521 citing authors

#	Article	IF	Citations
1	Effect of Ambient Air Pollution on Pulmonary Exacerbations and Lung Function in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 816-821.	5.6	219
2	Estimating Baseline Kidney Function in Hospitalized Patients with Impaired Kidney Function. Clinical Journal of the American Society of Nephrology: CJASN, 2012, 7, 712-719.	4.5	215
3	High-Dose Perioperative Atorvastatin and Acute Kidney Injury Following Cardiac Surgery. JAMA - Journal of the American Medical Association, 2016, 315, 877.	7.4	200
4	Ambient Air Pollution and Asthma Exacerbations in Children: An Eight-City Analysis. American Journal of Epidemiology, 2006, 164, 505-517.	3.4	179
5	Public Attitudes toward Consent and Data Sharing in Biobank Research: A Large Multi-site Experimental Survey in the US. American Journal of Human Genetics, 2017, 100, 414-427.	6.2	172
6	Genome- and Phenome-Wide Analyses of Cardiac Conduction Identifies Markers of Arrhythmia Risk. Circulation, 2013, 127, 1377-1385.	1.6	167
7	The Pharmacogenomics Research Network Translational Pharmacogenetics Program: Overcoming Challenges of Real-World Implementation. Clinical Pharmacology and Therapeutics, 2013, 94, 207-210.	4.7	164
8	Effect of Particulate Air Pollution on Lung Function in Adult and Pediatric Subjects in a Seattle Panel Study. Chest, 2006, 129, 1614-1622.	0.8	139
9	Obesity and Oxidative Stress Predict AKI after Cardiac Surgery. Journal of the American Society of Nephrology: JASN, 2012, 23, 1221-1228.	6.1	137
10	Ambient air pollution, lung function, and airway responsiveness in asthmatic children. Journal of Allergy and Clinical Immunology, 2016, 137, 390-399.	2.9	119
11	Biobanks and Electronic Medical Records: Enabling Cost-Effective Research. Science Translational Medicine, 2014, 6, 234cm3.	12.4	118
12	Identification of Genomic Predictors of Atrioventricular Conduction. Circulation, 2010, 122, 2016-2021.	1.6	117
13	A Computerized Provider Order Entry Intervention for Medication Safety During Acute Kidney Injury: A Quality Improvement Report. American Journal of Kidney Diseases, 2010, 56, 832-841.	1.9	107
14	Predicting warfarin dosage in Europeanâ€“Americans and Africanâ€“Americans using DNA samples linked to an electronic health record. Pharmacogenomics, 2012, 13, 407-418.	1.3	90
15	Electronic health record design and implementation for pharmacogenomics: a local perspective. Genetics in Medicine, 2013, 15, 833-841.	2.4	87
16	Development of Inpatient Risk Stratification Models of Acute Kidney Injury for Use in Electronic Health Records. Medical Decision Making, 2010, 30, 639-650.	2.4	80
17	Effectiveness of early coronary angioplasty and abciximab for failed thrombolysis (reteplase or) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Cardiology, 1999, 84, 779-784.	1.6	74
18	Regression modelling of correlated data in ecology: subjectâ€specific and population averaged response patterns. Journal of Applied Ecology, 2009, 46, 1018-1025.	4.0	67

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19	A Multimodal Intervention Improves Postanesthesia Care Unit Handovers. Anesthesia and Analgesia, 2015, 121, 957-971.	2.2	64
20	Characteristics Associated With Postdischarge Medication Errors. Mayo Clinic Proceedings, 2014, 89, 1042-1051.	3.0	61
21	Intraoperative Risk Factors for Acute Respiratory Distress Syndrome in Critically Ill Patients. Anesthesia and Analgesia, 2010, 111, 464-467.	2.2	60
22	Regression analysis of longitudinal binary data with time-dependent environmental covariates: bias and efficiency. Biostatistics, 2005, 6, 633-652.	1.5	59
23	Predicting rodent carcinogenicity from mutagenic potency measured in the Ames Salmonella assay. , 1997, 29, 312-322.		55
24	Determinants of health after hospital discharge: rationale and design of the Vanderbilt Inpatient Cohort Study (VICS). BMC Health Services Research, 2014, 14, 10.	2.2	55
25	Modulators of normal electrocardiographic intervals identified in a large electronic medical record. Heart Rhythm, 2011, 8, 271-277.	0.7	52
26	Perceptions of Provider Communication Among Vulnerable Patients With Diabetes: Influences of Medical Mistrust and Health Literacy. Journal of Health Communication, 2016, 21, 127-134.	2.4	51
27	Duration of Upper and Lower Extremity Peripheral Nerve Blockade Is Prolonged with Dexamethasone When Added to Ropivacaine: A Retrospective Database Analysis. Pain Medicine, 2013, 14, 1239-1247.	1.9	46
28	Medication Administration Discrepancies Persist Despite Electronic Ordering. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 756-764.	4.4	45
29	In vivo processes in cognitive therapy for depression: Frequency and benefits. Psychotherapy Research, 2005, 15, 366-373.	1.8	44
30	Preparedness for hospital discharge and prediction of readmission. Journal of Hospital Medicine, 2016, 11, 603-609.	1.4	44
31	An Analysis of Risk Factors for Patient Complaints About Ambulatory Anesthesiology Care. Anesthesia and Analgesia, 2013, 116, 1325-1332.	2.2	43
32	The Impact of Peripheral Nerve Techniques on Hospital Stay Following Major Orthopedic Surgery. Pain Medicine, 2012, 13, 828-834.	1.9	38
33	Medication Nonadherence Before Hospitalization for Acute Cardiac Events. Journal of Health Communication, 2015, 20, 34-42.	2.4	38
34	Etomidate Use and Postoperative Outcomes among Cardiac Surgery Patients. Anesthesiology, 2014, 120, 579-589.	2.5	37
35	Perceived health competence predicts health behavior and health-related quality of life in patients with cardiovascular disease. Patient Education and Counseling, 2016, 99, 2071-2079.	2.2	36
36	Opportunity for Genotypeâ€Guided Prescribing Among Adult Patients in 11 US Health Systems. Clinical Pharmacology and Therapeutics, 2021, 110, 179-188.	4.7	35

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37	Selective Local Anesthetic Placement Using Ultrasound Guidance and Neurostimulation for Infraclavicular Brachial Plexus Block. Anesthesia and Analgesia, 2010, 110, 1480-1485.	2.2	34
38	Prescribing Prevalence of Medications With Potential Genotype-Guided Dosing in Pediatric Patients. JAMA Network Open, 2020, 3, e2029411.	5.9	34
39	On outcome-dependent sampling designs for longitudinal binary response data with time-varying covariates. Biostatistics, 2008, 9, 735-749.	1.5	30
40	Marginalized Models for Moderate to Long Series of Longitudinal Binary Response Data. Biometrics, 2007, 63, 322-331.	1.4	28
41	Health Literacy and 1-Year Mortality: Mechanisms of Association in Adults Hospitalized for Cardiovascular Disease. Mayo Clinic Proceedings, 2018, 93, 1728-1738.	3.0	26
42	Numeracy, Health Literacy, Cognition, and 30â€Day Readmissions among Patients with Heart Failure. Journal of Hospital Medicine, 2018, 13, 145-151.	1.4	26
43	An analytical approach to characterize morbidity profile dissimilarity between distinct cohorts using electronic medical records. Journal of Biomedical Informatics, 2010, 43, 914-923.	4.3	25
44	Parentsâ€™ attitudes toward consent and data sharing in biobanks: A multisite experimental survey. AJOB Empirical Bioethics, 2018, 9, 128-142.	1.6	25
45	Longitudinal Studies of Binary Response Data Following Caseâ€“Control and Stratified Caseâ€“Control Sampling: Design and Analysis. Biometrics, 2010, 66, 365-373.	1.4	24
46	Common SCN10A variants modulate PR interval and heart rate response during atrial fibrillation. Europace, 2014, 16, 485-490.	1.7	24
47	We work with them? Healthcare workers interpretation of organizational relations mined from electronic health records. International Journal of Medical Informatics, 2014, 83, 495-506.	3.3	23
48	Supervising Anesthesiologists Cannot Be Effectively Compared According to Their Patientsâ€™ Postanesthesia Care Unit Admission Pain Scores. Anesthesia and Analgesia, 2015, 120, 923-932.	2.2	23
49	Comparison of Expert and Novice Performance of a Simulated Transesophageal Echocardiography Examination. Simulation in Healthcare, 2013, 8, 329-334.	1.2	22
50	Disparities in Research Participation by Level of Health Literacy. Mayo Clinic Proceedings, 2021, 96, 314-321.	3.0	21
51	Factors Influencing the Statistical Power of Complex Data Analysis Protocols for Molecular Signature Development from Microarray Data. PLoS ONE, 2009, 4, e4922.	2.5	20
52	Improving Needle Visualization by Novice Residents During an In-Plane Ultrasound Nerve Block Simulation Using an In-Plane Multiangle Needle Guide. Pain Medicine, 2013, 14, 1600-1607.	1.9	19
53	Association Between a Common, Benign Genotype and Unnecessary Bone Marrow Biopsies Among African American Patients. JAMA Internal Medicine, 2021, 181, 1100.	5.1	18
54	Outcome Vector Dependent Sampling with Longitudinal Continuous Response Data: Stratified Sampling Based on Summary Statistics. Biometrics, 2013, 69, 405-416.	1.4	17

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55	Extending the Caseâ€“Control Design to Longitudinal Data. Epidemiology, 2018, 29, 67-75.	2.7	17
56	A prognostic model based on readily available clinical data enriched aÂpre-emptive pharmacogenetic testing program. Journal of Clinical Epidemiology, 2016, 72, 107-115.	5.0	16
57	A Health-Literacy Intervention for Early Childhood Obesity Prevention: A Cluster-Randomized Controlled Trial. Pediatrics, 2021, 147, .	2.1	14
58	Biased sampling designs to improve research efficiency: Factors influencing pulmonary function over time in children with asthma. Annals of Applied Statistics, 2015, 9, 731-753.	1.1	13
59	Development of a multivariable model to predict vulnerability in older American patients hospitalised with cardiovascular disease. BMJ Open, 2015, 5, e008122.	1.9	13
60	Effect of Health Literacy on Research Follow-Up. Journal of Health Communication, 2015, 20, 83-91.	2.4	13
61	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
62	Preoperative Predictors of Complex Regional Pain Syndrome Outcomes in the 6 Months Following Total Knee Arthroplasty. Journal of Pain, 2022, 23, 1712-1723.	1.4	13
63	Outcomeâ€dependent sampling for longitudinal binary response data based on a timeâ€varying auxiliary variable. Statistics in Medicine, 2012, 31, 2441-2456.	1.6	12
64	On the Potential of Preemptive Genotyping Towards Preventing Medication-Related Adverse Events: Results from the South Korean National Health Insurance Database. Drug Safety, 2017, 40, 1-2.	3.2	12
65	A Decision-Theoretic Approach to Panel-Based, Preemptive Genotyping. MDM Policy and Practice, 2019, 4, 238146831986433.	0.9	10
66	Provider Networks in the Neonatal Intensive Care Unit Associate with Length of Stay. , 2019, 2019, 127-134.		10
67	Should We Implement Geographic or Patient-Reported Social Determinants of Health Measures in Cardiovascular Patients?. Ethnicity and Disease, 2021, 31, 9-22.	2.3	10
68	Comparison of Decision Modeling Approaches for Health Technology and Policy Evaluation. Medical Decision Making, 2021, 41, 453-464.	2.4	10
69	Improving actual handover behavior with a simulation-based training intervention. Proceedings of the Human Factors and Ergonomics Society, 2010, 54, 957-961.	0.3	9
70	Outcome-Dependent Sampling from Existing Cohorts with Longitudinal Binary Response Data: Study Planning and Analysis. Biometrics, 2011, 67, 1583-1593.	1.4	9
71	Analyses of longitudinal, hospital clinical laboratory data with application to blood glucose concentrations. Statistics in Medicine, 2011, 30, 3208-3220.	1.6	9
72	Conducting a large, multi-site survey about patientsâ€™ views on broad consent: challenges and solutions. BMC Medical Research Methodology, 2016, 16, 162.	3.1	9

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73	A two-stage strategy to accommodate general patterns of confounding in the design of observational studies. Biostatistics, 2012, 13, 274-288.	1.5	8
74	Opioid Prescriptions at Hospital Discharge Are Associated With More Postdischarge Healthcare Utilization. Journal of the American Heart Association, 2019, 8, e010664.	3.7	8
75	Two-Phase, Generalized Case-Control Designs for the Study of Quantitative Longitudinal Outcomes. American Journal of Epidemiology, 2020, 189, 81-90.	3.4	6
76	Outcome-Dependent Sampling in Cluster-Correlated Data Settings with Application to Hospital Profiling. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 379-402.	1.1	5
77	Methodological Issues in Population-Based Studies of Multigenerational Associations. American Journal of Epidemiology, 2020, 189, 1600-1609.	3.4	5
78	The Partnership to Improve Diabetes Education Trial: a Cluster Randomized Trial Addressing Health Communication in Diabetes Care. Journal of General Internal Medicine, 2020, 35, 1052-1059.	2.6	5
79	Twoâ€wave twoâ€phase outcomeâ€dependent sampling designs, with applications to longitudinal binary data. Statistics in Medicine, 2021, 40, 1863-1876.	1.6	5
80	Frequency of benign neutropenia among Black versus White individuals undergoing a bone marrow assessment. Journal of Cellular and Molecular Medicine, 2022, 26, 3628-3635.	3.6	5
81	Risk of Burnout in Perioperative Clinicians. Survey of Anesthesiology, 2012, 56, 59.	0.1	4
82	Outcome-related, Auxiliary Variable Sampling Designs for Longitudinal Binary Data. Epidemiology, 2018, 29, 58-66.	2.7	4
83	Factors associated with antidepressant use among low-income racially and ethnically diverse patients with type 2 diabetes. Journal of Diabetes and Its Complications, 2019, 33, 107405.	2.3	4
84	Enrichment sampling for a multi-site patient survey using electronic health records and census data. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 219-227.	4.4	4
85	Analysis of longitudinal laboratory data in the presence of common selection mechanisms: A view toward greater emphasis on preâ€marketing pharmaceutical safety. Statistics in Medicine, 2008, 27, 2248-2266.	1.6	3
86	Likelihoodâ€based analysis of outcomeâ€dependent sampling designs with longitudinal data. Statistics in Medicine, 2018, 37, 2120-2133.	1.6	3
87	Perioperative oxidative stress predicts subsequent pain-related outcomes in the 6 months after total knee arthroplasty. Pain, 2023, 164, 111-118.	4.2	3
88	Fitting marginal models in small samples: A simulation study of marginalized multilevel models and generalized estimating equations. Statistics in Medicine, 2021, 40, 5298-5312.	1.6	2
89	Detecting Adverse Drug Reactions Using Inpatient Medication Orders and Laboratory Tests Data. , 2012, , .		1
90	A Multimodal Intervention Improves Postanesthesia Care Unit Handovers. Survey of Anesthesiology, 2016, 60, 83.	0.1	1

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91	Survey design and analysis considerations when utilizing misclassified sampling strata. BMC Medical Research Methodology, 2021, 21, 145.	3.1	1
92	Generalized caseâ€control sampling under generalized linear models. Biometrics, 2023, 79, 332-343.	1.4	1
93	Design and Analysis of Two-Phase Studies with Multivariate Longitudinal Data. Biometrics, 2023, 79, 1420-1432.	1.4	1
94	Modelâ€assisted analyses of longitudinal, ordinal outcomes with absorbing states. Statistics in Medicine, 2022, , .	1.6	1
95	In Reply. Anesthesiology, 2014, 121, 1128-1130.	2.5	0
96	Perioperative Oxidative Stress Prospectively Predicts CRPS-Related Outcomes in the 6 months Following Total Knee Arthroplasty. Journal of Pain, 2022, 23, 2.	1.4	0