Steven N Goodman

List of Publications by Year
in descending order

136 papers	22,561 citations	30551 56 h-index	15253 130 g-index
148 all docs	148 docs citations	148 times ranked	32777 citing authors

#	Article	IF	Citations
1	Circulating mutant DNA to assess tumor dynamics. Nature Medicine, 2008, 14, 985-990.	15.2	2,207
2	Redefine statistical significance. Nature Human Behaviour, 2018, 2, 6-10.	6.2	1,763
3	Statistical tests, P values, confidence intervals, and power: a guide to misinterpretations. European Journal of Epidemiology, 2016, 31, 337-350.	2.5	1,761
4	Very high risk of cancer in familial Peutzâ€“Jeghers syndrome. Gastroenterology, 2000, 119, 1447-1453.	0.6	1,247
5	Detection and quantification of mutations in the plasma of patients with colorectal tumors. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16368-16373.	3.3	1,049
6	Toward Evidence-Based Medical Statistics. 1: The P Value Fallacy. Annals of Internal Medicine, 1999, 130, 995.	2.0	935
7	Pancreaticoduodenectomy for Cancer of the Head of the Pancreas 201 Patients. Annals of Surgery, 1995, 221, 721-733.	2.1	884
8	What does research reproducibility mean?. Science Translational Medicine, 2016, 8, 341ps12.	5.8	804
9	Toward Evidence-Based Medical Statistics. 2: The Bayes Factor. Annals of Internal Medicine, 1999, 130, 1005.	2.0	732
10	The Use of Predicted Confidence Intervals When Planning Experiments and the Misuse of Power When Interpreting Results. Annals of Internal Medicine, 1994, 121, 200.	2.0	543
11	Assessment of the Frequency and Variety of Persistent Symptoms Among Patients With COVID-19. JAMA Network Open, 2021, 4, e2111417.	2.8	460
12	A Dirty Dozen: Twelve P-Value Misconceptions. Seminars in Hematology, 2008, 45, 135-140.	1.8	459
13	Some practical improvements in the continual reassessment method for phase I studies. Statistics in Medicine, 1995, 14, 1149-1161.	0.8	457
14	An Ethics Framework for a Learning Health Care System: A Departure from Traditional Research Ethics and Clinical Ethics. Hastings Center Report, 2013, 43, S16-27.	0.7	420
15	Nonsteroidal Anti-Inflammatory Drugs for the Prevention of Alzheimerâ€™s Disease: A Systematic Review. Neuroepidemiology, 2004, 23, 159-169.	1.1	369
16	High-dose cyclophosphamide as single-agent, short-course prophylaxis of graft-versus-host disease. Blood, 2010, 115, 3224-3230.	0.6	346
17	Random-Effects Meta-analysis of Inconsistent Effects: A Time for Change. Annals of Internal Medicine, 2014, 160, 267-270.	2.0	344
18	RNAi-Mediated Silencing of Nuclear Factor Erythroid-2â€“Related Factor 2 Gene Expression in Nonâ€“Small Cell Lung Cancer Inhibits Tumor Growth and Increases Efficacy of Chemotherapy. Cancer Research, 2008, 68, 7975-7984.	0.4	331

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19	Sensitive digital quantification of DNA methylation in clinical samples. Nature Biotechnology, 2009, 27, 858-863.	9.4	317
20	Rethinking Randomized Clinical Trials for Comparative Effectiveness Research: The Need for Transformational Change. Annals of Internal Medicine, 2009, 151, 206.	2.0	293
21	p Values, Hypothesis Tests, and Likelihood: Implications for Epidemiology of a Neglected Historical Debate. American Journal of Epidemiology, 1993, 137, 485-496.	1.6	285
22	A comment on replication,P-values and evidence. Statistics in Medicine, 1992, 11, 875-879.	0.8	260
23	Manuscript Quality before and after Peer Review and Editing at Annals of Internal Medicine. Annals of Internal Medicine, 1994, 121, 11.	2.0	252
24	Causal Inference in Public Health. Annual Review of Public Health, 2013, 34, 61-75.	7.6	251
25	Assessing scientists for hiring, promotion, and tenure. PLoS Biology, 2018, 16, e2004089.	2.6	244
26	Quantitation of Promoter Methylation of Multiple Genes in Urine DNA and Bladder Cancer Detection. Journal of the National Cancer Institute, 2006, 98, 996-1004.	3.0	237
27	Association of Convalescent Plasma Treatment With Clinical Outcomes in Patients With COVID-19. JAMA - Journal of the American Medical Association, 2021, 325, 1185.	3.8	209
28	The Researchâ€Treatment Distinction: A Problematic Approach for Determining Which Activities Should Have Ethical Oversight. Hastings Center Report, 2013, 43, S4-S15.	0.7	203
29	The Predictive Approaches to Treatment effect Heterogeneity (PATH) Statement. Annals of Internal Medicine, 2020, 172, 35.	2.0	203
30	Meta-research: Evaluation and Improvement of Research Methods and Practices. PLoS Biology, 2015, 13, e1002264.	2.6	202
31	Mortality outcomes with hydroxychloroquine and chloroquine in COVID-19 from an international collaborative meta-analysis of randomized trials. Nature Communications, 2021, 12, 2349.	5.8	194
32	Reproducible Research: Moving toward Research the Public Can Really Trust. Annals of Internal Medicine, 2007, 146, 450.	2.0	191
33	Immunohistochemical evaluation of HER-2/neu expression in pancreatic adenocarcinoma and pancreatic intraepithelial neoplasms. Human Pathology, 1996, 27, 119-124.	1.1	186
34	Catalytic Asymmetric Total Syntheses of Quinine and Quinidine. Journal of the American Chemical Society, 2004, 126, 706-707.	6.6	170
35	Tadalafil Augments Tumor Specific Immunity in Patients with Head and Neck Squamous Cell Carcinoma. Clinical Cancer Research, 2015, 21, 30-38.	3.2	158
36	Acne therapy: A methodologic review. Journal of the American Academy of Dermatology, 2002, 47, 231-240.	0.6	148

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37	The Methods of Comparative Effectiveness Research. Annual Review of Public Health, 2012, 33, 425-445.	7.6	139
38	A blinded, crossover study of the efficacy of the ketogenic diet. Epilepsia, 2009, 50, 322-325.	2.6	126
39	An Epigenetic Marker Panel for Detection of Lung Cancer Using Cell-Free Serum DNA. Clinical Cancer Research, 2011, 17, 4494-4503.	3.2	126
40	Introduction to Bayesian methods I: measuring the strength of evidence. Clinical Trials, 2005, 2, 282-290.	0.7	123
41	Gene promoter hypermethylation in tumors and lymph nodes of stage I lung cancer patients. Clinical Cancer Research, 2003, 9, 1370-5.	3.2	120
42	Quantitative GSTP1 Methylation and the Detection of Prostate Adenocarcinoma in Sextant Biopsies. Journal of the National Cancer Institute, 2003, 95, 1634-1637.	3.0	110
43	Prevention of thromboembolism in atrial fibrillation. Journal of General Internal Medicine, 2000, 15, 56-67.	1.3	108
44	High-dose cyclophosphamide for severe aplastic anemia: long-term follow-up. Blood, 2010, 115, 2136-2141.	0.6	107
45	How and why studies disagree about the effects of education on health: A systematic review and meta-analysis of studies of compulsory schooling laws. Social Science and Medicine, 2018, 212, 168-178.	1.8	106
46	How Statistical Expertise Is Used in Medical Research. JAMA - Journal of the American Medical Association, 2002, 287, 2817.	3.8	104
47	Random-Effects Meta-analysis. JAMA - Journal of the American Medical Association, 2019, 321, 301.	3.8	103
48	Statistical reviewing policies of medical journals. Journal of General Internal Medicine, 1998, 13, 753-756.	1.3	93
49	What Patients Say about Medical Research. IRB: Ethics & Human Research, 1998, 20, 1.	0.8	87
50	Five ways to fix statistics. Nature, 2017, 551, 557-559.	13.7	86
51	Aligning statistical and scientific reasoning. Science, 2016, 352, 1180-1181.	6.0	75
52	Harms From Uninformative Clinical Trials. JAMA - Journal of the American Medical Association, 2019, 322, 813.	3.8	70
53	Why Most Published Research Findings Are False: Problems in the Analysis. PLoS Medicine, 2007, 4, e168.	3.9	70
54	Phase II Study of Risk-Adapted Therapy of Newly Diagnosed, Aggressive Non-Hodgkin Lymphoma Based on Midtreatment FDG-PET Scanning. Biology of Blood and Marrow Transplantation, 2009, 15, 242-248.	2.0	64

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55	Enantiopure Î²-Hydroxy Morpholine Amides from Terminal Epoxides by Carbonylation at 1 atm. Angewandte Chemie - International Edition, 2002, 41, 4703-4705.	7.2	62
56	Using Design Thinking to Differentiate Useful From Misleading Evidence in Observational Research. JAMA - Journal of the American Medical Association, 2017, 317, 705.	3.8	58
57	Raw data from clinical trials: within reach?. Trends in Pharmacological Sciences, 2013, 34, 645-647.	4.0	57
58	Toward protecting the safety of participants in clinical trials. Contemporary Clinical Trials, 2003, 24, 256-271.	2.0	56
59	Association of Rapid Eye Movement Sleep With Mortality in Middle-aged and Older Adults. JAMA Neurology, 2020, 77, 1241.	4.5	55
60	Considering Usual Medical Care in Clinical Trial Design. PLoS Medicine, 2009, 6, e1000111.	3.9	54
61	Stopping at Nothing? Some Dilemmas of Data Monitoring in Clinical Trials. Annals of Internal Medicine, 2007, 146, 882.	2.0	53
62	Purpose and Benefits of Early Phase Cancer Trials: What Do Oncologists Say? What Do Patients Hear?. Journal of Empirical Research on Human Research Ethics, 2008, 3, 57-68.	0.6	51
63	Tissue Inhibitor of Metalloproteinases-3 Promoter Methylation is an Independent Prognostic Factor for Bladder Cancer. Journal of Urology, 2008, 179, 743-747.	0.2	48
64	Calibrating the Scientific Ecosystem Through Meta-Research. Annual Review of Statistics and Its Application, 2020, 7, 11-37.	4.1	48
65	Probability at the Bedside: The Knowing of Chances or the Chances of Knowing?. Annals of Internal Medicine, 1999, 130, 604.	2.0	46
66	Association between convalescent plasma treatment and mortality in COVID-19: a collaborative systematic review and meta-analysis of randomized clinical trials. BMC Infectious Diseases, 2021, 21, 1170.	1.3	46
67	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. F1000Research, 2020, 9, 1193.	0.8	41
68	Machine Learning, Health Disparities, and Causal Reasoning. Annals of Internal Medicine, 2018, 169, 883.	2.0	40
69	Preprint Serversâ€™ Policies, Submission Requirements, and Transparency in Reporting and Research Integrity Recommendations. JAMA - Journal of the American Medical Association, 2020, 324, 1901.	3.8	40
70	A Bayesian approach to randomized controlled trials in children utilizing information from adults: the case of Guillain-Barre. Clinical Trials, 2005, 2, 305-310.	0.7	39
71	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. F1000Research, 2020, 9, 1193.	0.8	38
72	Why is Getting Rid of P-Values So Hard? Musings on Science and Statistics. American Statistician, 2019, 73, 26-30.	0.9	37

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73	Disclosure of Individual Surgeon's Performance Rates During Informed Consent. Annals of Surgery, 2007, 245, 507-513.	2.1	36
74	An intervention to improve cancer patients' understanding of early-phase clinical trials. IRB: Ethics & Human Research, 2009, 31, 1-10.	0.8	34
75	Data monitoring committees for pragmatic clinical trials. Clinical Trials, 2015, 12, 530-536.	0.7	32
76	How often do leading biomedical journals use statistical experts to evaluate statistical methods? The results of a survey. PLoS ONE, 2020, 15, e0239598.	1.1	32
77	The Relative Expression of Mig6 and EGFR Is Associated with Resistance to EGFR Kinase Inhibitors. PLoS ONE, 2013, 8, e68966.	1.1	31
78	Quantifying over-estimation in early stopped clinical trials and the â€œfreezing effectâ€•on subsequent research. Clinical Trials, 2016, 13, 621-631.	0.7	27
79	Anticoagulants or antiplatelet therapy for non-rheumatic atrial fibrillation and flutter. The Cochrane Library, 2006, , CD001938.	1.5	26
80	Role and limitations of epidemiology in establishing a causal association. Seminars in Cancer Biology, 2004, 14, 413-426.	4.3	25
81	What patients say about medical research. IRB: Ethics & Human Research, 1998, 20, 1-7.	0.8	25
82	Using big data analytics to extract disease surveillance information from point of care diagnostic machines. Pervasive and Mobile Computing, 2017, 42, 470-486.	2.1	23
83	Ethical Issues in Evidence-Based Surgery. Surgical Clinics of North America, 2006, 86, 151-168.	0.5	21
84	Ethical Considerations in Studying Drug Safety â€” The Institute of Medicine Report. New England Journal of Medicine, 2012, 367, 959-964.	13.9	21
85	COVID-19 Clinical Trials: A Teachable Moment for Improving Our Research Infrastructure and Relevance. Annals of Internal Medicine, 2020, 173, 652-653.	2.0	20
86	Commentary: The P-value, devalued. International Journal of Epidemiology, 2003, 32, 699-702.	0.9	19
87	Stopping trials for efficacy: an almost unbiased view. Clinical Trials, 2009, 6, 133-135.	0.7	18
88	Closing in on the Truth About Recombinant Human Bone Morphogenetic Protein-2: Evidence Synthesis, Data Sharing, Peer Review, and Reproducible Research. Annals of Internal Medicine, 2013, 158, 916.	2.0	18
89	Bias and Trials Stopped Early for Benefit. JAMA - Journal of the American Medical Association, 2010, 304, 156.	3.8	17
90	Bayesian Communication: A Clinically Significant Paradigm for Electronic Publication. Journal of the American Medical Informatics Association: JAMIA, 2000, 7, 254-266.	2.2	16

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91	Systematic reviews are not biased by results from trials stopped early for benefit. Journal of Clinical Epidemiology, 2008, 61, 95-96.	2.4	16
92	How sure are you of your result? Put a number on it. Nature, 2018, 564, 7-7.	13.7	15
93	Inappropriate Statistical Analysis and Reporting in Medical Research: Perverse Incentives and Institutional Solutions. Annals of Internal Medicine, 2018, 169, 577.	2.0	15
94	Statistical Code to Support the Scientific Story. Annals of Internal Medicine, 2018, 168, 828-829.	2.0	15
95	All That Glitters Isn't Gold: A Survey on Acknowledgment of Limitations in Biomedical Studies. PLoS ONE, 2013, 8, e73623.	1.1	14
96	Lost Evidence From Registered Large Long-Unpublished Randomized Controlled Trials: A Survey. Annals of Internal Medicine, 2019, 171, 300.	2.0	14
97	The high resource impact of reformatting requirements for scientific papers. PLoS ONE, 2019, 14, e0223976.	1.1	13
98	The Role of Masks in Mitigating the SARS-CoV-2 Pandemic: Another Piece of the Puzzle. Annals of Internal Medicine, 2021, 174, 419-420.	2.0	13
99	Discussion: An estimate of the science-wise false discovery rate and application to the top medical literature. Biostatistics, 2014, 15, 23-27.	0.9	12
100	Diastolic Blood Pressure Levels and Ischemic Stroke Incidence in Older Adults With White Matter Lesions. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2011, 66A, 74-81.	1.7	11
101	U.S. Food and Drug Administration Reasoning in Approval Decisions When Efficacy Evidence Is Borderline, 2013â€“2018. Annals of Internal Medicine, 2021, 174, 1603-1611.	2.0	10
102	How large should the next study be? Predictive power and sample size requirements for replication studies. Statistics in Medicine, 2022, 41, 3090-3101.	0.8	10
103	Future prospects discussed. Nature, 1994, 368, 106-107.	13.7	9
104	Phase I Study of Low-Dose Interleukin-2, Fludarabine, and Cyclophosphamide for Previously Untreated Indolent Lymphoma and Chronic Lymphocytic Leukemia. Clinical Cancer Research, 2005, 11, 8413-8417.	3.2	9
105	Quasi-random reflections on randomized controlled trials and comparative effectiveness research. Clinical Trials, 2012, 9, 22-26.	0.7	9
106	Advances in Regulatory Science at the Food and Drug Administration. JAMA - Journal of the American Medical Association, 2013, 309, 2103.	3.8	9
107	Opening the FDA Black Box. JAMA - Journal of the American Medical Association, 2014, 311, 361.	3.8	9
108	Should Psychology Journals Adopt Specialized Statistical Review?. Advances in Methods and Practices in Psychological Science, 2019, 2, 240-249.	5.4	9

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109	The Methodologic Ozone Effect. Epidemiology, 2005, 16, 430-435.	1.2	8
110	Building a Bayesian Bridge From Evidence to Guidelines. Archives of Internal Medicine, 2009, 169, 1436.	4.3	7
111	Clinical Trial Data Sharing: What Do We Do Now?. Annals of Internal Medicine, 2015, 162, 308.	2.0	7
112	Ethics and evidence in clinical trials. Clinical Trials, 2005, 2, 195-196.	0.7	6
113	Bayesian Methods for Evidence Evaluation. Circulation, 2013, 127, 2367-2369.	1.6	5
114	Annals Understanding Clinical Research: Interpreting Results With Large P Values. Annals of Internal Medicine, 2018, 169, 485-486.	2.0	5
115	Randomized COVID-19 vaccination rollout can offer direct real-world evidence. Journal of Clinical Epidemiology, 2021, 138, 199-202.	2.4	5
116	One-sided or two-sided p values?. Contemporary Clinical Trials, 1988, 9, 387-388.	2.0	4
117	Confessions of a chagrined trialist. BMJ Quality and Safety, 2011, 20, i97-i98.	1.8	4
118	Urodynamic factors associated with the large capacity bladder and incomplete emptying after prolapse repair (2009â€2015). Neurourology and Urodynamics, 2019, 38, 1322-1331.	0.8	4
119	Analysis of Subgroup Effects in Randomized Trials When Subgroup Membership is Missing: Application to the Second Multicenter Automatic Defibrillator Intervention Trial. Journal of the Royal Statistical Society Series C: Applied Statistics, 2011, 60, 607-617.	0.5	3
120	Rashomon revisited: two views of monitoring the Women's Health Initiative trials. Clinical Trials, 2007, 4, 205-206.	0.7	2
121	Commentary. Biostatistics, 2010, 11, 389-390.	0.9	2
122	Sharing Clinical Research Dataâ€"Finding the Right Balance. JAMA Internal Medicine, 2017, 177, 1241.	2.6	2
123	Lack of Diagnostic Utility of â€œAmino Acid Dysregulation Metabotypesâ€• Biological Psychiatry, 2019, 85, e41-e42.	0.7	2
124	The Mammography Dilemma. Annals of Internal Medicine, 2003, 138, 771.	2.0	2
125	On making clinical trials possible. Clinical Trials, 2010, 7, 621-621.	0.7	1
126	Harry Marks: an appreciation. Clinical Trials, 2011, 8, 123-127.	0.7	1

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127	Letter to the Editor: Bayesian analysis for a single 2Ã—2 table by L. Hashemi, B. Nandram and R. Goldberg,Statistics in Medicine,16, 1311-1328 (1997). , 1998, 17, 2147-2148.		0
128	Landmark clinical trials: a new journal series. Clinical Trials, 2011, 8, 128-128.	0.7	0
129	A decade of Clinical Trials. Clinical Trials, 2013, 10, 837-839.	0.7	0
130	Posing Causal Questions When Analyzing Observational Dataâ€"Reply. JAMA - Journal of the American Medical Association, 2017, 318, 201.	3.8	0
131	2007 The clinical research operations program: Educating clinical research staff. Journal of Clinical and Translational Science, 2018, 2, 61-61.	0.3	0
132	Random-Effects Assumption in Meta-analysesâ€"Reply. JAMA - Journal of the American Medical Association, 2019, 322, 82.	3.8	0
133	Title is missing!. , 2020, 15, e0239598.		0
134	Title is missing!. , 2020, 15, e0239598.		0
135	Title is missing!. , 2020, 15, e0239598.		0
136	Title is missing!. , 2020, 15, e0239598.		0