

Steven N Goodman

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

16,545
citations

53
h-index

128
g-index

148
ext. papers

19,910
ext. citations

10.7
avg, IF

6.93
L-index

#	Paper	IF	Citations
123	Circulating mutant DNA to assess tumor dynamics. <i>Nature Medicine</i> , 2008 , 14, 985-90	50.5	1718
122	Redefine statistical significance. <i>Nature Human Behaviour</i> , 2018 , 2, 6-10	12.8	1168
121	Statistical tests, P values, confidence intervals, and power: a guide to misinterpretations. <i>European Journal of Epidemiology</i> , 2016 , 31, 337-50	12.1	1122
120	Very high risk of cancer in familial Peutz-Jeghers syndrome. <i>Gastroenterology</i> , 2000 , 119, 1447-53	13.3	1032
119	Detection and quantification of mutations in the plasma of patients with colorectal tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16368-73	11.5	858
118	Pancreaticoduodenectomy for cancer of the head of the pancreas. 201 patients. <i>Annals of Surgery</i> , 1995 , 221, 721-31; discussion 731-3	7.8	724
117	Toward evidence-based medical statistics. 1: The P value fallacy. <i>Annals of Internal Medicine</i> , 1999 , 130, 995-1004	8	711
116	Toward evidence-based medical statistics. 2: The Bayes factor. <i>Annals of Internal Medicine</i> , 1999 , 130, 1005-13	8	562
115	What does research reproducibility mean?. <i>Science Translational Medicine</i> , 2016 , 8, 341ps12	17.5	506
114	The use of predicted confidence intervals when planning experiments and the misuse of power when interpreting results. <i>Annals of Internal Medicine</i> , 1994 , 121, 200-6	8	419
113	Some practical improvements in the continual reassessment method for phase I studies. <i>Statistics in Medicine</i> , 1995 , 14, 1149-61	2.3	384
112	A dirty dozen: twelve p-value misconceptions. <i>Seminars in Hematology</i> , 2008 , 45, 135-40	4	319
111	Nonsteroidal anti-inflammatory drugs for the prevention of Alzheimer's disease: a systematic review. <i>Neuroepidemiology</i> , 2004 , 23, 159-69	5.4	318
110	An ethics framework for a learning health care system: a departure from traditional research ethics and clinical ethics. <i>Hastings Center Report</i> , 2013 , Spec No, S16-27	3.3	314
109	RNAi-mediated silencing of nuclear factor erythroid-2-related factor 2 gene expression in non-small cell lung cancer inhibits tumor growth and increases efficacy of chemotherapy. <i>Cancer Research</i> , 2008 , 68, 7975-84	10.1	286
108	High-dose cyclophosphamide as single-agent, short-course prophylaxis of graft-versus-host disease. <i>Blood</i> , 2010 , 115, 3224-30	2.2	281
107	Random-effects meta-analysis of inconsistent effects: a time for change. <i>Annals of Internal Medicine</i> , 2014 , 160, 267-70	8	273

106	Sensitive digital quantification of DNA methylation in clinical samples. <i>Nature Biotechnology</i> , 2009 , 27, 858-63	44.5	273
105	p values, hypothesis tests, and likelihood: implications for epidemiology of a neglected historical debate. <i>American Journal of Epidemiology</i> , 1993 , 137, 485-96; discussion 497-501	3.8	231
104	Rethinking randomized clinical trials for comparative effectiveness research: the need for transformational change. <i>Annals of Internal Medicine</i> , 2009 , 151, 206-9	8	230
103	Quantitation of promoter methylation of multiple genes in urine DNA and bladder cancer detection. <i>Journal of the National Cancer Institute</i> , 2006 , 98, 996-1004	9.7	210
102	A comment on replication, p-values and evidence. <i>Statistics in Medicine</i> , 1992 , 11, 875-9	2.3	203
101	Causal inference in public health. <i>Annual Review of Public Health</i> , 2013 , 34, 61-75	20.6	173
100	Immunohistochemical evaluation of HER-2/neu expression in pancreatic adenocarcinoma and pancreatic intraepithelial neoplasms. <i>Human Pathology</i> , 1996 , 27, 119-24	3.7	170
99	Manuscript quality before and after peer review and editing at Annals of Internal Medicine. <i>Annals of Internal Medicine</i> , 1994 , 121, 11-21	8	168
98	The research-treatment distinction: a problematic approach for determining which activities should have ethical oversight. <i>Hastings Center Report</i> , 2013 , Spec No, S4-S15	3.3	165
97	Catalytic asymmetric total syntheses of quinine and quinidine. <i>Journal of the American Chemical Society</i> , 2004 , 126, 706-7	16.4	149
96	Assessing scientists for hiring, promotion, and tenure. <i>PLoS Biology</i> , 2018 , 16, e2004089	9.7	133
95	Meta-research: Evaluation and Improvement of Research Methods and Practices. <i>PLoS Biology</i> , 2015 , 13, e1002264	9.7	127
94	Tadalafil augments tumor specific immunity in patients with head and neck squamous cell carcinoma. <i>Clinical Cancer Research</i> , 2015 , 21, 30-8	12.9	121
93	Reproducible research: moving toward research the public can really trust. <i>Annals of Internal Medicine</i> , 2007 , 146, 450-3	8	119
92	Acne therapy: a methodologic review. <i>Journal of the American Academy of Dermatology</i> , 2002 , 47, 231-40	4.5	119
91	Association of Convalescent Plasma Treatment With Clinical Outcomes in Patients With COVID-19: A Systematic Review and Meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 325, 1185-1195	27.4	110
90	Assessment of the Frequency and Variety of Persistent Symptoms Among Patients With COVID-19: A Systematic Review. <i>JAMA Network Open</i> , 2021 , 4, e2111417	10.4	109
89	An epigenetic marker panel for detection of lung cancer using cell-free serum DNA. <i>Clinical Cancer Research</i> , 2011 , 17, 4494-503	12.9	107

88	A blinded, crossover study of the efficacy of the ketogenic diet. <i>Epilepsia</i> , 2009 , 50, 322-5	6.4	107
87	Gene promoter hypermethylation in tumors and lymph nodes of stage I lung cancer patients. <i>Clinical Cancer Research</i> , 2003 , 9, 1370-5	12.9	105
86	The methods of comparative effectiveness research. <i>Annual Review of Public Health</i> , 2012 , 33, 425-45	20.6	103
85	Introduction to Bayesian methods I: measuring the strength of evidence. <i>Clinical Trials</i> , 2005 , 2, 282-90; discussion 301-4, 364-78	2.2	103
84	Prevention of thromboembolism in atrial fibrillation. A meta-analysis of trials of anticoagulants and antiplatelet drugs. <i>Journal of General Internal Medicine</i> , 2000 , 15, 56-67	4	96
83	Quantitative GSTP1 methylation and the detection of prostate adenocarcinoma in sextant biopsies. <i>Journal of the National Cancer Institute</i> , 2003 , 95, 1634-7	9.7	94
82	High-dose cyclophosphamide for severe aplastic anemia: long-term follow-up. <i>Blood</i> , 2010 , 115, 2136-41	2.2	91
81	Mortality outcomes with hydroxychloroquine and chloroquine in COVID-19 from an international collaborative meta-analysis of randomized trials. <i>Nature Communications</i> , 2021 , 12, 2349	17.4	83
80	How statistical expertise is used in medical research. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 287, 2817-20	27.4	79
79	The Predictive Approaches to Treatment effect Heterogeneity (PATH) Statement. <i>Annals of Internal Medicine</i> , 2020 , 172, 35-45	8	79
78	2007 The clinical research operations program: Educating clinical research staff. <i>Journal of Clinical and Translational Science</i> , 2018 , 2, 61-61	0.4	78
77	Statistical reviewing policies of medical journals: caveat lector?. <i>Journal of General Internal Medicine</i> , 1998 , 13, 753-6	4	71
76	Random-Effects Meta-analysis: Summarizing Evidence With Caveats. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 321, 301-302	27.4	64
75	Five ways to fix statistics. <i>Nature</i> , 2017 , 551, 557-559	50.4	62
74	STATISTICS. Aligning statistical and scientific reasoning. <i>Science</i> , 2016 , 352, 1180-1	33.3	61
73	What Patients Say about Medical Research. <i>IRB: Ethics & Human Research</i> , 1998 , 20, 1		59
72	How and why studies disagree about the effects of education on health: A systematic review and meta-analysis of studies of compulsory schooling laws. <i>Social Science and Medicine</i> , 2018 , 212, 168-178	5.1	55
71	Enantiopure beta-hydroxy morpholine amides from terminal epoxides by carbonylation at 1 atm. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4703-5	16.4	53

70	Why most published research findings are false: problems in the analysis. <i>PLoS Medicine</i> , 2007 , 4, e168	11.6	53
69	Phase II study of risk-adapted therapy of newly diagnosed, aggressive non-Hodgkin lymphoma based on midtreatment FDG-PET scanning. <i>Biology of Blood and Marrow Transplantation</i> , 2009 , 15, 242-8 ⁴⁻⁷		52
68	Toward protecting the safety of participants in clinical trials. <i>Contemporary Clinical Trials</i> , 2003 , 24, 256-71		51
67	Purpose and benefits of early phase cancer trials: what do oncologists say? What do patients hear?. <i>Journal of Empirical Research on Human Research Ethics</i> , 2008 , 3, 57-68	1.6	46
66	Tissue inhibitor of metalloproteinases-3 promoter methylation is an independent prognostic factor for bladder cancer. <i>Journal of Urology</i> , 2008 , 179, 743-7	2.5	44
65	Stopping at nothing? Some dilemmas of data monitoring in clinical trials. <i>Annals of Internal Medicine</i> , 2007 , 146, 882-7	8	43
64	Considering usual medical care in clinical trial design. <i>PLoS Medicine</i> , 2009 , 6, e1000111	11.6	41
63	Harms From Uninformative Clinical Trials. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 813-814	27.4	36
62	Raw data from clinical trials: within reach?. <i>Trends in Pharmacological Sciences</i> , 2013 , 34, 645-7	13.2	36
61	A Bayesian approach to randomized controlled trials in children utilizing information from adults: the case of Guillain-Barré syndrome. <i>Clinical Trials</i> , 2005 , 2, 305-10; discussion 364-78	2.2	35
60	Probability at the bedside: the knowing of chances or the chances of knowing?. <i>Annals of Internal Medicine</i> , 1999 , 130, 604-6	8	34
59	An intervention to improve cancer patients' understanding of early-phase clinical trials. <i>IRB: Ethics & Human Research</i> , 2009 , 31, 1-10		32
58	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020 , 9, 1193	3.6	28
57	The relative expression of Mig6 and EGFR is associated with resistance to EGFR kinase inhibitors. <i>PLoS ONE</i> , 2013 , 8, e68966	3.7	23
56	Disclosure of individual surgeon's performance rates during informed consent: ethical and epistemological considerations. <i>Annals of Surgery</i> , 2007 , 245, 507-13	7.8	23
55	Calibrating the Scientific Ecosystem Through Meta-Research. <i>Annual Review of Statistics and Its Application</i> , 2020 , 7, 11-37	7.6	23
54	What patients say about medical research. <i>IRB: Ethics & Human Research</i> , 1998 , 20, 1-7		23
53	Why is Getting Rid of P-Values So Hard? Musings on Science and Statistics. <i>American Statistician</i> , 2019 , 73, 26-30	5	22

52	Role and limitations of epidemiology in establishing a causal association. <i>Seminars in Cancer Biology</i> , 2004 , 14, 413-26	12.7	22
51	The worldwide clinical trial research response to the COVID-19 pandemic - the first 100 days. <i>F1000Research</i> , 2020 , 9, 1193	3.6	22
50	Quantifying over-estimation in early stopped clinical trials and the "freezing effect" on subsequent research. <i>Clinical Trials</i> , 2016 , 13, 621-631	2.2	20
49	Data monitoring committees for pragmatic clinical trials. <i>Clinical Trials</i> , 2015 , 12, 530-6	2.2	20
48	Association of Rapid Eye Movement Sleep With Mortality in Middle-aged and Older Adults. <i>JAMA Neurology</i> , 2020 , 77, 1241-1251	17.2	20
47	Ethical considerations in studying drug safety--the Institute of Medicine report. <i>New England Journal of Medicine</i> , 2012 , 367, 959-64	59.2	19
46	Using big data analytics to extract disease surveillance information from point of care diagnostic machines. <i>Pervasive and Mobile Computing</i> , 2017 , 42, 470-486	3.5	17
45	Ethical issues in evidence-based surgery. <i>Surgical Clinics of North America</i> , 2006 , 86, 151-68, x	4	17
44	Commentary: The P-value, devalued. <i>International Journal of Epidemiology</i> , 2003 , 32, 699-702	7.8	17
43	Bias and trials stopped early for benefit. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 304, 157; author reply 158-9	27.4	13
42	Preprint Servers Policies, Submission Requirements, and Transparency in Reporting and Research Integrity Recommendations. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 324, 1901-1903	27.4	12
41	Systematic reviews are not biased by results from trials stopped early for benefit. <i>Journal of Clinical Epidemiology</i> , 2008 , 61, 95-6; author reply 96-8	5.7	12
40	How often do leading biomedical journals use statistical experts to evaluate statistical methods? The results of a survey. <i>PLoS ONE</i> , 2020 , 15, e0239598	3.7	12
39	Bayesian communication: a clinically significant paradigm for electronic publication. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2000 , 7, 254-66	8.6	11
38	Association between convalescent plasma treatment and mortality in COVID-19: a collaborative systematic review and meta-analysis of randomized clinical trials. <i>BMC Infectious Diseases</i> , 2021 , 21, 11704		11
37	Diastolic blood pressure levels and ischemic stroke incidence in older adults with white matter lesions. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2011 , 66, 74-81	6.4	10
36	Lost Evidence From Registered Large Long-Unpublished Randomized Controlled Trials: A Survey. <i>Annals of Internal Medicine</i> , 2019 , 171, 300-301	8	10
35	Discussion: An estimate of the science-wise false discovery rate and application to the top medical literature. <i>Biostatistics</i> , 2014 , 15, 23-7; discussion 39-45	3.7	9

34	Advances in regulatory science at the Food and Drug Administration. <i>JAMA - Journal of the American Medical Association</i> , 2013 , 309, 2103-4	27.4	9
33	All that glitters isn't gold: a survey on acknowledgment of limitations in biomedical studies. <i>PLoS ONE</i> , 2013 , 8, e73623	3.7	8
32	The methodologic ozone effect. <i>Epidemiology</i> , 2005 , 16, 430-5	3.1	8
31	Phase I study of low-dose interleukin-2, fludarabine, and cyclophosphamide for previously untreated indolent lymphoma and chronic lymphocytic leukemia. <i>Clinical Cancer Research</i> , 2005 , 11, 8413-7	12.9	8
30	The high resource impact of reformatting requirements for scientific papers. <i>PLoS ONE</i> , 2019 , 14, e0223976	3.7	7
29	Mortality outcomes with hydroxychloroquine and chloroquine in COVID-19: an international collaborative meta-analysis of randomized trials		7
28	Clinical trial data sharing: what do we do now?. <i>Annals of Internal Medicine</i> , 2015 , 162, 308-9	8	6
27	Should Psychology Journals Adopt Specialized Statistical Review?. <i>Advances in Methods and Practices in Psychological Science</i> , 2019 , 2, 240-249	13.3	6
26	Quasi-random reflections on randomized controlled trials and comparative effectiveness research. <i>Clinical Trials</i> , 2012 , 9, 22-6	2.2	6
25	Future prospects discussed. <i>Nature</i> , 1994 , 368, 106-107	50.4	6
24	Building a Bayesian bridge from evidence to guidelines. <i>Archives of Internal Medicine</i> , 2009 , 169, 1436-7		5
23	The Role of Masks in Mitigating the SARS-CoV-2 Pandemic: Another Piece of the Puzzle. <i>Annals of Internal Medicine</i> , 2021 , 174, 419-420	8	5
22	Annals Understanding Clinical Research: Interpreting Results With Large P Values. <i>Annals of Internal Medicine</i> , 2018 , 169, 485-486	8	5
21	Confessions of a chagrined trialist. <i>BMJ Quality and Safety</i> , 2011 , 20 Suppl 1, i97-8	5.4	4
20	One-sided or two-sided p values?. <i>Contemporary Clinical Trials</i> , 1988 , 9, 387-8		4
19	U.S. Food and Drug Administration Reasoning in Approval Decisions When Efficacy Evidence Is Borderline, 2013-2018. <i>Annals of Internal Medicine</i> , 2021 , 174, 1603-1611	8	4
18	Randomized COVID-19 vaccination rollout can offer direct real-world evidence. <i>Journal of Clinical Epidemiology</i> , 2021 , 138, 199-202	5.7	3
17	Analysis of subgroup effects in randomized trials when subgroup membership is missing: application to the second Multicenter Automatic Defibrillator Intervention Trial. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2011 , 60, 607-617	1.5	2

16	Commentary. <i>Biostatistics</i> , 2010 , 11, 389-90	3.7	2
15	Lack of Diagnostic Utility of "Amino Acid Dysregulation Metabotypes". <i>Biological Psychiatry</i> , 2019 , 85, e41-e42	7.9	2
14	Urodynamic factors associated with the large capacity bladder and incomplete emptying after prolapse repair (2009-2015). <i>Neurourology and Urodynamics</i> , 2019 , 38, 1322-1331	2.3	1
13	P Value 2014 ,		1
12	Sharing Clinical Research Data-Finding the Right Balance. <i>JAMA Internal Medicine</i> , 2017 , 177, 1241-1242	11.5	1
11	The Mammography Dilemma. <i>Annals of Internal Medicine</i> , 2003 , 138, 771	8	1
10	Harry Marks: an appreciation. <i>Clinical Trials</i> , 2011 , 8, 123-7	2.2	0
9	Random-Effects Assumption in Meta-analyses-Reply. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 82	27.4	
8	Posing Causal Questions When Analyzing Observational Data-Reply. <i>JAMA - Journal of the American Medical Association</i> , 2017 , 318, 201-202	27.4	
7	Landmark clinical trials: a new journal series. <i>Clinical Trials</i> , 2011 , 8, 128	2.2	
6	Bayesian analysis for a single 2 x 2 table. <i>Statistics in Medicine</i> , 1998 , 17, 2147-8	2.3	
5	P Value 2008 , 1		
4	How often do leading biomedical journals use statistical experts to evaluate statistical methods? The results of a survey 2020 , 15, e0239598		
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