James M S Wason

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Genetic risk and a primary role for cell-mediated immune mechanisms in multiple sclerosis. Nature, 2011, 476, 214-219.	27.8	2,400
2	Imaging biomarker roadmap for cancer studies. Nature Reviews Clinical Oncology, 2017, 14, 169-186.	27.6	792
3	Adaptive designs in clinical trials: why use them, and how to run and report them. BMC Medicine, 2018, 16, 29.	5.5	398
4	What role for genetics in the prediction of multiple sclerosis?. Annals of Neurology, 2010, 67, 3-10.	5.3	196
5	Multi-armed Bandit Models for the Optimal Design of Clinical Trials: Benefits and Challenges. Statistical Science, 2015, 30, 199-215.	2.8	188
6	Imaging breast cancer using hyperpolarized carbon-13 MRI. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2092-2098.	7.1	138
7	Replication analysis identifies TYK2 as a multiple sclerosis susceptibility factor. European Journal of Human Genetics, 2009, 17, 1309-1313.	2.8	115
8	Correcting for multiple-testing in multi-arm trials: is it necessary and is it done?. Trials, 2014, 15, 364.	1.6	113
9	Developing a roadmap to improve trial delivery for under-served groups: results from a UK multi-stakeholder process. Trials, 2020, 21, 694.	1.6	99
10	A comparison of Bayesian adaptive randomization and multiâ€stage designs for multiâ€arm clinical trials. Statistics in Medicine, 2014, 33, 2206-2221.	1.6	98
11	Optimal design of multiâ€arm multiâ€stage trials. Statistics in Medicine, 2012, 31, 4269-4279.	1.6	85
12	Effect of sleep deprivation and exercise on reaction threshold in adults with peanut allergy: AÂrandomized controlled study. Journal of Allergy and Clinical Immunology, 2019, 144, 1584-1594.e2.	2.9	84
13	Some recommendations for multi-arm multi-stage trials. Statistical Methods in Medical Research, 2016, 25, 716-727.	1.5	67
14	Simple MRI score aids prediction of dementia in cerebral small vessel disease. Neurology, 2020, 94, e1294-e1302.	1.1	67
15	Multisystemic therapy versus management as usual in the treatment of adolescent antisocial behaviour (START): a pragmatic, randomised controlled, superiority trial. Lancet Psychiatry,the, 2018, 5, 119-133.	7.4	63
16	Prospective study evaluating the relative sensitivity of 18F-NaF PET/CT for detecting skeletal metastases from renal cell carcinoma in comparison to multidetector CT and 99mTc-MDP bone scintigraphy, using an adaptive trial design. Annals of Oncology, 2015, 26, 2113-2118.	1.2	59
17	The Adaptive designs CONSORT Extension (ACE) statement: a checklist with explanation and elaboration guideline for reporting randomised trials that use an adaptive design. BMJ, The, 2020, 369, m115.	6.0	57
18	Confounding underlies the apparent month of birth effect in multiple sclerosis. Annals of Neurology, 2013, 73, 714-720.	5.3	55

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19	The endoplasmic reticulum stress marker CHOP predicts survival in malignant mesothelioma. British Journal of Cancer, 2013, 108, 1340-1347.	6.4	53
20	Stepped wedge cluster randomized controlled trial designs: a review of reporting quality and design features. Trials, 2017, 18, 33.	1.6	51
21	When to keep it simple – adaptive designs are not always useful. BMC Medicine, 2019, 17, 152.	5.5	44
22	Efficient Adaptive Designs for Clinical Trials of Interventions for COVID-19. Statistics in Biopharmaceutical Research, 2020, 12, 483-497.	0.8	40
23	Response-Adaptive Randomization for Multi-arm Clinical Trials Using the Forward Looking Gittins Index Rule. Biometrics, 2015, 71, 969-978.	1.4	39
24	Responseâ€adaptive designs for binary responses: How to offer patient benefit while being robust to time trends?. Pharmaceutical Statistics, 2018, 17, 182-197.	1.3	39
25	Evaluation of PR3-ANCA Status After Rituximab for ANCA-Associated Vasculitis. Journal of Clinical Rheumatology, 2019, 25, 217-223.	0.9	33
26	Biomarker-guided trials: Challenges in practice. Contemporary Clinical Trials Communications, 2019, 16, 100493.	1.1	32
27	Optimal multistage designs for randomised clinical trials with continuous outcomes. Statistics in Medicine, 2012, 31, 301-312.	1.6	31
28	Admissible twoâ€stage designs for phase II cancer clinical trials that incorporate the expected sample size under the alternative hypothesis. Pharmaceutical Statistics, 2012, 11, 91-96.	1.3	30
29	A multi-stage drop-the-losers design for multi-arm clinical trials. Statistical Methods in Medical Research, 2017, 26, 508-524.	1.5	30
30	Oxygen therapy and inpatient mortality in COPD exacerbation. Emergency Medicine Journal, 2021, 38, 170-177.	1.0	29
31	Development process of a consensus-driven CONSORT extension for randomised trials using an adaptive design. BMC Medicine, 2018, 16, 210.	5.5	28
32	Design of telehealth trials – Introducing adaptive approaches. International Journal of Medical Informatics, 2014, 83, 870-880.	3.3	27
33	A Bayesian adaptive design for biomarker trials with linked treatments. British Journal of Cancer, 2015, 113, 699-705.	6.4	26
34	Including non-concurrent control patients in the analysis of platform trials: is it worth it?. BMC Medical Research Methodology, 2020, 20, 165.	3.1	26
35	A non-synonymous SNP within membrane metalloendopeptidase-like 1 (MMEL1) is associated with multiple sclerosis. Genes and Immunity, 2010, 11, 660-664.	4.1	25
36	A General Framework for Two-Stage Analysis of Genome-wide Association Studies and Its Application to Case-Control Studies. American Journal of Human Genetics, 2012, 90, 760-773.	6.2	25

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37	Healthy Campus Trial: a multiphase optimization strategy (MOST) fully factorial trial to optimize the smartphone cognitive behavioral therapy (CBT) app for mental health promotion among university students: study protocol for a randomized controlled trial. Trials, 2018, 19, 353.	1.6	25
38	A Review of Bayesian Perspectives on Sample Size Derivation for Confirmatory Trials. American Statistician, 2021, 75, 424-432.	1.6	25
39	Hyperpolarized Carbon-13 MRI for Early Response Assessment of Neoadjuvant Chemotherapy in Breast Cancer Patients. Cancer Research, 2021, 81, 6004-6017.	0.9	25
40	Borrowing of information across patient subgroups in a basket trial based on distributional discrepancy. Biostatistics, 2022, 23, 120-135.	1.5	24
41	Ensuring that COVID-19 research is inclusive: guidance from the NIHR INCLUDE project. BMJ Open, 2020, 10, e043634.	1.9	24
42	A novel nano-iron supplement to safely combat iron deficiency and anaemia in young children: The IHAT-GUT double-blind, randomised, placebo-controlled trial protocol. Gates Open Research, 2018, 2, 48.	1.1	24
43	Minimizing the Maximum Expected Sample Size in Two-Stage Phase II Clinical Trials with Continuous Outcomes. Journal of Biopharmaceutical Statistics, 2012, 22, 836-852.	0.8	22
44	Controlling type I error rates in multiâ€arm clinical trials: A case for the false discovery rate. Pharmaceutical Statistics, 2021, 20, 109-116.	1.3	21
45	Reducing sample sizes in two-stage phase II cancer trials by using continuous tumour shrinkage end-points. European Journal of Cancer, 2011, 47, 983-989.	2.8	20
46	Using continuous data on tumour measurements to improve inference in phase II cancer studies. Statistics in Medicine, 2013, 32, 4639-4650.	1.6	19
47	Confounding in association studies: month of birth and multiple sclerosis. Journal of Neurology, 2014, 261, 1851-1856.	3.6	19
48	The longitudinal effect of ejaculation on seminal vesicle fluid volume and whole-prostate ADC as measured on prostate MRI. European Radiology, 2017, 27, 5236-5243.	4.5	18
49	Training nurses in a competency framework to support adults with epilepsy and intellectual disability: the EpAID cluster RCT. Health Technology Assessment, 2018, 22, 1-104.	2.8	18
50	HLA associations in South Asian multiple sclerosis. Multiple Sclerosis Journal, 2016, 22, 19-24.	3.0	17
51	Multisystemic therapy versus management as usual in the treatment of adolescent antisocial behaviour (START): 5-year follow-up of a pragmatic, randomised, controlled, superiority trial. Lancet Psychiatry,the, 2020, 7, 420-430.	7.4	17
52	Imaging Glioblastoma Metabolism by Using Hyperpolarized [1- ¹³ C]Pyruvate Demonstrates Heterogeneity in Lactate Labeling: A Proof of Principle Study. Radiology Imaging Cancer, 2022, 4, .	1.6	17
53	An adaptive design for updating the threshold value of a continuous biomarker. Statistics in Medicine, 2016, 35, 4909-4923.	1.6	16
54	Components of smartphone cognitive-behavioural therapy for subthreshold depression among 1093 university students: a factorial trial. Evidence-Based Mental Health, 2022, 25, e18-e25.	4.5	16

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55	Adaptive designs for clinical trials assessing biomarker-guided treatment strategies. British Journal of Cancer, 2014, 110, 1950-1957.	6.4	15
56	Two-stage phase II oncology designs using short-term endpoints for early stopping. Statistical Methods in Medical Research, 2017, 26, 1671-1683.	1.5	15
57	Statistical consideration when adding new arms to ongoing clinical trials: the potentials and the caveats. Trials, 2021, 22, 203.	1.6	15
58	Prediction of dementia using diffusion tensor MRI measures: the OPTIMAL collaboration. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 14-23.	1.9	15
59	Evaluation of multisystemic therapy pilot services in the Systemic Therapy for At Risk Teens (START) trial: study protocol for a randomised controlled trial. Trials, 2013, 14, 265.	1.6	14
60	Improving the power of clinical trials of rheumatoid arthritis by using data on continuous scales when analysing response rates: an application of the augmented binary method. Rheumatology, 2016, 55, 1796-1802.	1.9	14
61	Planning multiâ€arm screening studies within the context of a drug development program. Statistics in Medicine, 2013, 32, 3424-3435.	1.6	13
62	Noninterventional statistical comparison of BTS and CHEST guidelines for size and severity in primary pneumothorax. European Respiratory Journal, 2015, 45, 1731-1734.	6.7	13
63	Improving phase II oncology trials using best observed RECIST response as an endpoint by modelling continuous tumour measurements. Statistics in Medicine, 2017, 36, 4616-4626.	1.6	13
64	Improving the analysis of composite endpoints in rare disease trials. Orphanet Journal of Rare Diseases, 2018, 13, 81.	2.7	13
65	To add or not to add a new treatment arm to a multiarm study: A decisionâ€ŧheoretic framework. Statistics in Medicine, 2019, 38, 3305-3321.	1.6	13
66	Revisiting the JOQUER trial: stratification of primary Sjögren's syndrome and the clinical and interferon response to hydroxychloroquine. Rheumatology International, 2021, 41, 1593-1600.	3.0	13
67	Accelerated BEP: a phase I trial of dose-dense BEP for intermediate and poor prognosis metastatic germ cell tumour. British Journal of Cancer, 2011, 105, 766-772.	6.4	12
68	Risk in complex genetics: "All models are wrong but some are useful― Annals of Neurology, 2012, 72, 502-509.	5.3	12
69	A web application for the design of multi-arm clinical trials. BMC Cancer, 2020, 20, 80.	2.6	12
70	Identifying combined design and analysis procedures in twoâ€stage trials with a binary end point. Statistics in Medicine, 2012, 31, 3874-3884.	1.6	11
71	Predictors of poor function in RA based on two prospective UK inception cohorts. Do comorbidities matter?. Rheumatology, 2022, 61, 1563-1569.	1.9	11
72	Twoâ€stage penalized regression screening to detect biomarker–treatment interactions in randomized clinical trials. Biometrics, 2022, 78, 141-150.	1.4	11

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73	Evaluation of multisystemic therapy pilot services in Services for Teens Engaging in Problem Sexual Behaviour (STEPS-B): study protocol for a randomized controlled trial. Trials, 2015, 16, 492.	1.6	10
74	Endoplasmic reticulum stress, unfolded protein response and development of colon adenocarcinoma. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2016, 469, 145-154.	2.8	10
75	Group sequential designs for stepped-wedge cluster randomised trials. Clinical Trials, 2017, 14, 507-517.	1.6	10
76	Blinded and unblinded sample size reestimation procedures for steppedâ€wedge cluster randomized trials. Biometrical Journal, 2018, 60, 903-916.	1.0	10
77	Mentalization for Offending Adult Males (MOAM): study protocol for a randomized controlled trial to evaluate mentalization-based treatment for antisocial personality disorder in male offenders on community probation. Trials, 2020, 21, 1001.	1.6	10
78	The adaptive designs CONSORT extension (ACE) statement: a checklist with explanation and elaboration guideline for reporting randomised trials that use an adaptive design. Trials, 2020, 21, 528.	1.6	10
79	Use of an embedded, micro-randomised trial to investigate non-compliance in telehealth interventions. Clinical Trials, 2016, 13, 417-424.	1.6	9
80	Multi-arm multi-stage trials can improve the efficiency of finding effective treatments for stroke: a case study. BMC Cardiovascular Disorders, 2018, 18, 215.	1.7	9
81	The impact of an epilepsy nurse competency framework on the costs of supporting adults with epilepsy and intellectual disability: findings from the EpAID study. Journal of Intellectual Disability Research, 2019, 63, 1391-1400.	2.0	9
82	Multiple Interventions for Diabetic Foot Ulcer Treatment Trial (MIDFUT): study protocol for a randomised controlled trial. BMJ Open, 2020, 10, e035947.	1.9	9
83	Prevalence of Multiplicity and Appropriate Adjustments Among Cardiovascular Randomized Clinical Trials Published in Major Medical Journals. JAMA Network Open, 2020, 3, e203082.	5.9	9
84	Sequential multiple assignment randomized trial studies should report all key components: a systematic review. Journal of Clinical Epidemiology, 2022, 142, 152-160.	5.0	9
85	The role of comorbidities alongside patient and disease characteristics in long-term disease activity in RA using UK inception cohort data. Rheumatology, 2022, 61, 4297-4304.	1.9	9
86	A review of statistical designs for improving the efficiency of phase II studies in oncology. Statistical Methods in Medical Research, 2016, 25, 1010-1021.	1.5	8
87	Innovative trial approaches in immune-mediated inflammatory diseases: current use and future potential. BMC Rheumatology, 2021, 5, 21.	1.6	8
88	Effects of Exercise and Sleep Deprivation on Reaction Severity During Oral Peanut Challenge: A Randomized Controlled Trial. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 2404-2413.e1.	3.8	8
89	Comparison of multimarker logistic regression models, with application to a genomewide scan of schizophrenia. BMC Genetics, 2010, 11, 80.	2.7	7
90	Blinded and unblinded sample size reestimation in crossover trials balanced for period. Biometrical Journal, 2018, 60, 917-933.	1.0	7

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91	Familywise Error Control in Multi-Armed Response-Adaptive Trials. Biometrics, 2019, 75, 885-894.	1.4	7
92	Analysis of responder-based endpoints: improving power through utilising continuous components. Trials, 2020, 21, 427.	1.6	7
93	The choice of test in phase II cancer trials assessing continuous tumour shrinkage when complete responses are expected. Statistical Methods in Medical Research, 2015, 24, 909-919.	1.5	6
94	Improving outcomes in adults with epilepsy and intellectual disability (EpAID) using a nurse-led intervention: study protocol for a cluster randomised controlled trial. Trials, 2016, 17, 297.	1.6	6
95	An optimised multi-arm multi-stage clinical trial design for unknown variance. Contemporary Clinical Trials, 2018, 67, 116-120.	1.8	6
96	Admissible multiarm steppedâ€wedge cluster randomized trial designs. Statistics in Medicine, 2019, 38, 1103-1119.	1.6	6
97	Determining the OPTIMAL DTI analysis method for application in cerebral small vessel disease. NeuroImage: Clinical, 2022, 35, 103114.	2.7	6
98	Employing a latent variable framework to improve efficiency in composite endpoint analysis. Statistical Methods in Medical Research, 2021, 30, 702-716.	1.5	5
99	OptGS: AnRPackage for Finding Near-Optimal Group-Sequential Designs. Journal of Statistical Software, 2015, 66, .	3.7	5
100	Conditional power and friends: The why and how of (un)planned, unblinded sample size recalculations in confirmatory trials. Statistics in Medicine, 2022, , .	1.6	5
101	Capturing the realâ€world benefit of residual βâ€cell function during clinically important timeâ€periods in established Type 1 diabetes. Diabetic Medicine, 2022, 39, e14814.	2.3	5
102	Reducing the average number of patients needed in a phase II trial through novel design. Clinical Research and Regulatory Affairs, 2013, 30, 47-54.	2.1	4
103	The power of phase II end-points for different possible mechanisms of action of an experimental treatment. European Journal of Cancer, 2015, 51, 984-992.	2.8	4
104	Costs and staffing resource requirements for adaptive clinical trials: quantitative and qualitative results from the Costing Adaptive Trials project. BMC Medicine, 2021, 19, 251.	5.5	4
105	Designing Multi-arm Multistage Adaptive Trials for Neuroprotection in Progressive Multiple Sclerosis. Neurology, 2022, 98, 754-764.	1.1	4
106	Adaptive Designs: Benefits and Cautions for Neurosurgery Trials. World Neurosurgery, 2022, 161, 316-322.	1.3	4
107	Comment on: Month of birth and risk of multiple sclerosis: confounding and adjustments. Annals of Clinical and Translational Neurology, 2014, 1, 375-375.	3.7	3
108	Design of experiments for a confirmatory trial of precision medicine. Journal of Statistical Planning and Inference, 2019, 199, 179-187.	0.6	3

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109	Anti-VEGF intervention in neovascular AMD: benefits and risks restated as natural frequencies. BMJ Open Ophthalmology, 2019, 4, e000257.	1.6	3
110	Developing and testing highâ€efficacy patient subgroups within a clinical trial using risk scores. Statistics in Medicine, 2020, 39, 3285-3298.	1.6	3
111	Efficient analysis of time-to-event endpoints when the event involves a continuous variable crossing a threshold. Journal of Statistical Planning and Inference, 2020, 208, 119-129.	0.6	3
112	Developing a composite outcome measure for frailty prevention trials – rationale, derivation and sample size comparison with other candidate measures. BMC Geriatrics, 2020, 20, 113.	2.7	3
113	Multisystemic therapy compared with management as usual for adolescents at risk of offending: the START II RCT. Health Services and Delivery Research, 2020, 8, 1-114.	1.4	3
114	Improving power in PSA response analyses of metastatic castration-resistant prostate cancer trials. BMC Cancer, 2022, 22, 111.	2.6	3
115	Bayesian Sample Size Determination Using Commensurate Priors to Leverage Preexperimental Data. Biometrics, 2023, 79, 669-683.	1.4	3
116	A comparison of bayesian adaptive randomization and multi-stage designs for multi-arm clinical trials. Trials, 2013, 14, .	1.6	2
117	Group sequential crossover trial designs with strong control of the familywise error rate. Sequential Analysis, 2018, 37, 174-203.	0.5	2
118	Two-Stage Adaptive Designs for Three-Treatment Bioequivalence Studies. Statistics in Biopharmaceutical Research, 2019, 11, 360-374.	0.8	2
119	Overestimated treatment effects in randomised phase II trials: What's up doctor?. European Journal of Cancer, 2019, 123, 116-117.	2.8	2
120	A latent variable model for improving inference in trials assessing the effect of dose on toxicity and composite efficacy endpoints. Statistical Methods in Medical Research, 2020, 29, 230-242.	1.5	2
121	Treatment allocation strategies for umbrella trials in the presence of multiple biomarkers: A comparison of methods. Pharmaceutical Statistics, 2021, 20, 990-1001.	1.3	2
122	Bayesian design and analysis of external pilot trials for complex interventions. Statistics in Medicine, 2021, 40, 2877-2892.	1.6	2
123	Developing a predictive signature for two trial endpoints using the cross-validated risk scores method. Biostatistics, 2023, 24, 327-344.	1.5	2
124	Response adaptive intervention allocation in steppedâ€wedge cluster randomized trials. Statistics in Medicine, 2022, 41, 1081-1099.	1.6	2
125	Sample size estimation using a latent variable model for mixed outcome coâ€primary, multiple primary and composite endpoints. Statistics in Medicine, 2022, 41, 2303-2316.	1.6	2
126	Optimal design for multi-arm multi-stage clinical trials. Trials, 2011, 12, .	1.6	1

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127	Using continuous data on tumour measurements to improve inference in phase II cancer studies. Trials, 2013, 14, .	1.6	1
128	Graphical approaches for the control of generalized error rates. Statistics in Medicine, 2020, 39, 3135-3155.	1.6	1
129	Exact group sequential designs for two-arm experiments with Poisson distributed outcome variables. Communications in Statistics - Theory and Methods, 2021, 50, 18-34.	1.0	1
130	Accelerated BEP for metastatic germ cell tumors: Combined analysis of Australian and U.K. phase I/II trials Journal of Clinical Oncology, 2012, 30, 4531-4531.	1.6	1
131	Advantages of multi-arm non-randomised sequentially allocated cohort designs for Phase II oncology trials. British Journal of Cancer, 2022, 126, 204-210.	6.4	1
132	P198 The role of comorbidities alongside patient and disease characteristics on long-term disease activity in RA using UK inception cohort data. Rheumatology, 2022, 61, .	1.9	1
133	Subgroup analyses in randomised controlled trials frequently categorised continuous subgroup information. Journal of Clinical Epidemiology, 2022, , .	5.0	1
134	Group Sequential Clinical Trial Designs for Normally Distributed Outcome Variables. The Stata Journal, 2018, 18, 416-431.	2.2	0
135	A twoâ€stage dropâ€theâ€losers design for timeâ€toâ€event outcome using a historical control arm. Pharmaceutical Statistics, 2022, 21, 268-288.	1.3	0
136	Recent Developments in Group-Sequential Designs. , 2014, , 97-118.		0
137	Discussion on "Adaptive enrichment designs with a continuous biomarker―by Nigel Stallard. Biometrics, 2023, 79, 23-25.	1.4	0
138	When is a two-stage single-arm trial efficient? An evaluation of the impact of outcome delay. European Journal of Cancer, 2022, 166, 270-278.	2.8	0
139	Increasing power in the analysis of responder endpoints in rheumatology: a software tutorial. BMC Rheumatology, 2021, 5, 54.	1.6	0