

Christopher J Weir

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

5,984
citations

76196

40
h-index

79541

73
g-index

125
all docs

125
docs citations

125
times ranked

9167
citing authors

#	ARTICLE	IF	CITATIONS
1	Is hyperglycaemia an independent predictor of poor outcome after acute stroke? Results of a long term follow up study. <i>BMJ: British Medical Journal</i> , 1997, 314, 1303-1303.	2.4	438
2	Adaptive designs in clinical trials: why use them, and how to run and report them. <i>BMC Medicine</i> , 2018, 16, 29.	2.3	398
3	Predictors of upper limb recovery after stroke: a systematic review and meta-analysis. <i>Clinical Rehabilitation</i> , 2012, 26, 291-313.	1.0	303
4	Serum Urate as an Independent Predictor of Poor Outcome and Future Vascular Events After Acute Stroke. <i>Stroke</i> , 2003, 34, 1951-1956.	1.0	287
5	Dealing with missing standard deviation and mean values in meta-analysis of continuous outcomes: a systematic review. <i>BMC Medical Research Methodology</i> , 2018, 18, 25.	1.4	226
6	Population-based trends in pregnancy hypertension and pre-eclampsia: an international comparative study. <i>BMJ Open</i> , 2011, 1, e000101-e000101.	0.8	218
7	Statistical evaluation of biomarkers as surrogate endpoints: a literature review. <i>Statistics in Medicine</i> , 2006, 25, 183-203.	0.8	150
8	Does the Prevention of Complications Explain the Survival Benefit of Organized Inpatient (Stroke) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	144
9	Effect of Blood Pressure During the Acute Period of Ischemic Stroke on Stroke Outcome. <i>Stroke</i> , 2003, 34, 2420-2425.	1.0	143
10	Design and Analysis of Phase III Trials with Ordered Outcome Scales: The Concept of the Sliding Dichotomy. <i>Journal of Neurotrauma</i> , 2005, 22, 511-517.	1.7	140
11	Awareness of fetal movements and care package to reduce fetal mortality (AFFIRM): a stepped wedge, cluster-randomised trial. <i>Lancet, The</i> , 2018, 392, 1629-1638.	6.3	128
12	Delirium detection in older acute medical inpatients: a multicentre prospective comparative diagnostic test accuracy study of the 4AT and the confusion assessment method. <i>BMC Medicine</i> , 2019, 17, 138.	2.3	121
13	Extended donor criteria in lung transplantation: Impact on organ allocation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 131, 1154-1160.	0.4	119
14	The Modified Graeb Score. <i>Stroke</i> , 2013, 44, 635-641.	1.0	119
15	Categorizing Stroke Prognosis Using Different Stroke Scales. <i>Stroke</i> , 2009, 40, 3396-3399.	1.0	118
16	Comparison of the National Institutes of Health Stroke Scale With Disability Outcome Measures in Acute Stroke Trials. <i>Stroke</i> , 2005, 36, 2187-2192.	1.0	117
17	The Virtual International Stroke Trials Archive. <i>Stroke</i> , 2007, 38, 1905-1910.	1.0	101
18	Cell-surface signatures of immune dysfunction risk-stratify critically ill patients: INFECT study. <i>Intensive Care Medicine</i> , 2018, 44, 627-635.	3.9	97

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19	Influence of cholesterol on survival after stroke: retrospective study. <i>BMJ: British Medical Journal</i> , 1997, 314, 1584-1584.	2.4	95
20	Sputum matrix metalloproteinase-12 in patients with chronic obstructive pulmonary disease and asthma: Relationship to disease severity. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 655-663.e8.	1.5	90
21	Comparison of stratification and adaptive methods for treatment allocation in an acute stroke clinical trial. <i>Statistics in Medicine</i> , 2003, 22, 705-726.	0.8	82
22	The 4 â€™s test for detecting delirium in acute medical patients: a diagnostic accuracy study. <i>Health Technology Assessment</i> , 2019, 23, 1-194.	1.3	82
23	Efficacy of three neuroprotective drugs in secondary progressive multiple sclerosis (MS-SMART): a phase 2b, multiarm, double-blind, randomised placebo-controlled trial. <i>Lancet Neurology</i> , The, 2020, 19, 214-225.	4.9	81
24	Allopurinol Use Yields Potentially Beneficial Effects on Inflammatory Indices in Those With Recent Ischemic Stroke. <i>Stroke</i> , 2008, 39, 3303-3307.	1.0	75
25	Low Triglyceride, Not Low Cholesterol Concentration, Independently Predicts Poor Outcome following Acute Stroke. <i>Cerebrovascular Diseases</i> , 2003, 16, 76-82.	0.8	72
26	Effect of Area-Based Deprivation on the Severity, Subtype, and Outcome of Ischemic Stroke. <i>Stroke</i> , 2003, 34, 2623-2628.	1.0	71
27	The role of methadone in drug-related deaths in the west of Scotland. <i>Addiction</i> , 2003, 98, 995-1002.	1.7	68
28	Clinical validity of plasma and urinary desmosine as biomarkers for chronic obstructive pulmonary disease. <i>Thorax</i> , 2012, 67, 502-508.	2.7	68
29	Early PRediction of sepsis using leukocyte surface biomarkers: the ExPRES-sepsis cohort study. <i>Intensive Care Medicine</i> , 2018, 44, 1836-1848.	3.9	59
30	Organized Inpatient (Stroke Unit) Care for Stroke. <i>Stroke</i> , 2008, 39, 2402-2403.	1.0	57
31	Effects of short-term treatment with atorvastatin in smokers with asthma - a randomized controlled trial. <i>BMC Pulmonary Medicine</i> , 2011, 11, 16.	0.8	56
32	How to design a dose-finding study using the continual reassessment method. <i>BMC Medical Research Methodology</i> , 2019, 19, 18.	1.4	56
33	Timing of Birth and Risk of Multiple Sclerosis in the Scottish Population. <i>European Neurology</i> , 2010, 63, 36-40.	0.6	55
34	Elevated serum urate concentration independently predicts poor outcome following stroke in patients with diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2006, 22, 79-82.	1.7	54
35	Application of Mixed Effects Limits of Agreement in the Presence of Multiple Sources of Variability: Exemplar from the Comparison of Several Devices to Measure Respiratory Rate in COPD Patients. <i>PLoS ONE</i> , 2016, 11, e0168321.	1.1	53
36	Strengthening Acute Stroke Trials Through Optimal Use of Disability End Points. <i>Stroke</i> , 2003, 34, 2676-2680.	1.0	49

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37	Randomised controlled trial of azithromycin in smokers with asthma: Table 1. European Respiratory Journal, 2013, 42, 1412-1415.	3.1	49
38	Principles of dose finding studies in cancer: a comparison of trial designs. Cancer Chemotherapy and Pharmacology, 2013, 71, 1107-1114.	1.1	48
39	Embracing model-based designs for dose-finding trials. British Journal of Cancer, 2017, 117, 332-339.	2.9	47
40	Effects of Magnesium Treatment in a Model of Internal Capsule Lesion in Spontaneously Hypertensive Rats. Stroke, 2008, 39, 448-454.	1.0	45
41	Non-adjustment for multiple testing in multi-arm trials of distinct treatments: Rationale and justification. Clinical Trials, 2020, 17, 562-566.	0.7	45
42	Home monitoring of breathing rate in people with chronic obstructive pulmonary disease: observational study of feasibility, acceptability, and change after exacerbation. International Journal of COPD, 2017, Volume 12, 1221-1231.	0.9	44
43	Magnesium for Treatment of Acute Lacunar Stroke Syndromes. Stroke, 2007, 38, 1269-1273.	1.0	43
44	Multiple Sclerosis-Secondary Progressive Multi-Arm Randomisation Trial (MS-SMART): a multiarm phase IIb randomised, double-blind, placebo-controlled clinical trial comparing the efficacy of three neuroprotective drugs in secondary progressive multiple sclerosis. BMJ Open, 2018, 8, e021944.	0.8	43
45	Elevated Pulse Pressure During the Acute Period of Ischemic Stroke Is Associated With Poor Stroke Outcome. Stroke, 2004, 35, e153-5.	1.0	42
46	Effect of Smoking Status on Outcome after Acute Ischemic Stroke. Cerebrovascular Diseases, 2006, 21, 260-265.	0.8	39
47	Staff education, regular sedation and analgesia quality feedback, and a sedation monitoring technology for improving sedation and analgesia quality for critically ill, mechanically ventilated patients: a cluster randomised trial. Lancet Respiratory Medicine, 2016, 4, 807-817.	5.2	38
48	Palliative care for people with advanced liver disease: A feasibility trial of a supportive care liver nurse specialist. Palliative Medicine, 2018, 32, 919-929.	1.3	37
49	Improving Trial Power Through Use of Prognosis-Adjusted End Points. Stroke, 2005, 36, 597-601.	1.0	36
50	Allopurinol and Nitric Oxide Activity in the Cerebral Circulation of Those With Diabetes. Diabetes Care, 2009, 32, 135-137.	4.3	31
51	Baseline Serum Urate and 90-Day Functional Outcomes following Acute Ischemic Stroke. Cerebrovascular Diseases, 2009, 28, 202-203.	0.8	30
52	Targeting Neuroprotection Clinical Trials to Ischemic Stroke Patients With Potential to Benefit From Therapy. Stroke, 2004, 35, 2111-2116.	1.0	29
53	Sensitive troponin assay predicts outcome in syncope. Emergency Medicine Journal, 2012, 29, 1001-1003.	0.4	29
54	Protocol for validation of the 4AT, a rapid screening tool for delirium: a multicentre prospective diagnostic test accuracy study. BMJ Open, 2018, 8, e015572.	0.8	29

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55	Smoking in Asthma Is Associated with Elevated Levels of Corticosteroid Resistant Sputum Cytokines—An Exploratory Study. <i>PLoS ONE</i> , 2013, 8, e71460.	1.1	27
56	The effectiveness and variation of acute medical units: a systematic review. <i>International Journal for Quality in Health Care</i> , 2016, 28, 433-446.	0.9	27
57	Problem drug users and assault. <i>International Journal of Drug Policy</i> , 2005, 16, 393-402.	1.6	24
58	The Glasgow Outcome at Discharge Scale: An Inpatient Assessment of Disability after Brain Injury. <i>Journal of Neurotrauma</i> , 2013, 30, 970-974.	1.7	24
59	Phase 2 Randomised Controlled Trial and Feasibility Study of Future Care Planning in Patients with Advanced Heart Disease. <i>Scientific Reports</i> , 2016, 6, 24619.	1.6	24
60	Improving the Efficiency of Stroke Trials. <i>Stroke</i> , 2013, 44, 3422-3428.	1.0	22
61	Socioeconomic status, comorbidity and mortality in patients with type 2 diabetes mellitus in Scotland 2004—2011: a cohort study. <i>Journal of Epidemiology and Community Health</i> , 2016, 70, 596-601.	2.0	22
62	Prognostic value of single-photon emission tomography in acute ischaemic stroke. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1997, 24, 21-26.	2.2	21
63	Poststroke Neurological Improvement Within 7 Days Is Associated With Subsequent Deterioration. <i>Stroke</i> , 2004, 35, 2165-2170.	1.0	21
64	Inter-relationships between spinal cord blood flow, neuronal death and neurological function in rabbit spinal cord ischemia. <i>Brain Research</i> , 2002, 946, 43-51.	1.1	19
65	Noninvasive MRI Measurement of CBF: Evaluating An Arterial Spin Labelling Sequence with 99mTc-HMPAO CBF Autoradiography in a Rat Stroke Model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 973-977.	2.4	19
66	Flexible Design and Efficient Implementation of Adaptive Dose-Finding Studies. <i>Journal of Biopharmaceutical Statistics</i> , 2007, 17, 1033-1050.	0.4	17
67	Stroke education for healthcare professionals: Making it fit for purpose. <i>Nurse Education Today</i> , 2008, 28, 337-347.	1.4	17
68	Urinary catheterization in acute stroke: clinical realities. A mixed methods study. <i>Clinical Rehabilitation</i> , 2012, 26, 470-479.	1.0	16
69	N-terminal pro-brain natriuretic peptide and risk of cardiovascular events in older patients with type 2 diabetes: the Edinburgh Type 2 Diabetes Study. <i>Diabetologia</i> , 2014, 57, 2505-2512.	2.9	16
70	Comparison of non-traditional biomarkers, and combinations of biomarkers, for vascular risk prediction in people with type 2 diabetes: The Edinburgh Type 2 Diabetes Study. <i>Atherosclerosis</i> , 2017, 264, 67-73.	0.4	16
71	Results of the MRI Substudy of the Intravenous Magnesium Efficacy in Stroke Trial. <i>Stroke</i> , 2009, 40, 1704-1709.	1.0	15
72	Clinical relevance and practical implications of trials of perfusion and angiographic imaging in patients with acute ischaemic stroke: a multicentre cohort imaging study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, 1001-1007.	0.9	15

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73	The need for reporting guidelines for early phase dose-finding trials: Dose-Finding CONSORT Extension. <i>Nature Medicine</i> , 2022, 28, 6-7.	15.2	15
74	Fraud in Clinical Trials. <i>Significance</i> , 2011, 8, 164-168.	0.3	14
75	Statistical approaches for evaluating surrogate outcomes in clinical trials: A systematic review. <i>Journal of Biopharmaceutical Statistics</i> , 2016, 26, 859-879.	0.4	14
76	Future Care Planning for patients approaching end-of-life with advanced heart disease: an interview study with patients, carers and healthcare professionals exploring the content, rationale and design of a randomised clinical trial. <i>BMJ Open</i> , 2014, 4, e005021-e005021.	0.8	13
77	Multiple secondary outcome analyses: precise interpretation is important. <i>Trials</i> , 2022, 23, 27.	0.7	13
78	The evidence-base for stroke education in care homes. <i>Nurse Education Today</i> , 2008, 28, 829-840.	1.4	12
79	Bronchial nitric oxide flux (\dot{V}_{aw}) is sensitive to oral corticosteroids in smokers with asthma. <i>Respiratory Medicine</i> , 2011, 105, 1823-1830.	1.3	12
80	Characterization of Inhibitors and Monoclonal Antibodies That Modulate the Interaction between <i>Plasmodium falciparum</i> Adhesin PfRh4 with Its Erythrocyte Receptor Complement Receptor 1. <i>Journal of Biological Chemistry</i> , 2015, 290, 25307-25321.	1.6	12
81	Functional strength training versus movement performance therapy for upper limb motor recovery early after stroke: a RCT. <i>Efficacy and Mechanism Evaluation</i> , 2018, 5, 1-112.	0.9	12
82	Effects of intrathecal administration of a cell permeant caspase inhibitor, boc-d-fluoromethylketone (BDFMK), on behavioral deficits following spinal cord ischemia: a dose-response analysis. <i>Brain Research</i> , 2003, 959, 183-190.	1.1	11
83	Clinical and Cost Effectiveness of Enhanced Oral Healthcare in Stroke Care Settings (SOCLE II): A Pilot, Stepped Wedge, Cluster Randomized, Controlled Trial Protocol. <i>International Journal of Stroke</i> , 2015, 10, 979-984.	2.9	11
84	Diagnostic test accuracy of a novel smartphone application for the assessment of attention deficits in delirium in older hospitalised patients: a prospective cohort study protocol. <i>BMC Geriatrics</i> , 2018, 18, 217.	1.1	11
85	Amiloride, fluoxetine or riluzole to reduce brain volume loss in secondary progressive multiple sclerosis: the MS-SMART four-arm RCT. <i>Efficacy and Mechanism Evaluation</i> , 2020, 7, 1-72.	0.9	11
86	NAA is a Marker of Disability in Secondary-Progressive MS: A Proton MR Spectroscopic Imaging Study. <i>American Journal of Neuroradiology</i> , 2020, 41, 2209-2218.	1.2	10
87	Motor Neuron Disease Systematic Multi-Arm Adaptive Randomised Trial (MND-SMART): a multi-arm, multi-stage, adaptive, platform, phase III randomised, double-blind, placebo-controlled trial of repurposed drugs in motor neuron disease. <i>BMJ Open</i> , 2022, 12, e064173.	0.8	10
88	Comparison of mean cerebral transit time and single-photon emission tomography for estimation of stroke outcome. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1995, 22, 1261-1267.	2.2	9
89	Nonpharmacological Interventions for Caregivers of Stroke Survivors. <i>Stroke</i> , 2012, 43, .	1.0	9
90	Promoting Recruitment using Information Management Efficiently (PRIME): study protocol for a stepped-wedge cluster randomised controlled trial within the REstart or STop Antithrombotics Randomised Trial (RESTART). <i>Trials</i> , 2017, 18, 22.	0.7	9

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91	A smartphone-based test for the assessment of attention deficits in delirium: A case-control diagnostic test accuracy study in older hospitalised patients. PLoS ONE, 2020, 15, e0227471.	1.1	9
92	Rationale, design and methodology of a trial evaluating three strategies designed to improve sedation quality in intensive care units (DESIST study). BMJ Open, 2016, 6, e010148.	0.8	8
93	Predictive value of cell-surface markers in infections in critically ill patients: protocol for an observational study (ImmuNe FailurE in Critical Therapy (INFECT) Study). BMJ Open, 2016, 6, e011326.	0.8	8
94	A pragmatic, multi-centered, stepped wedge, cluster randomized controlled trial pilot of the clinical and cost effectiveness of a complex Stroke Oral healthCare intervention pLan Evaluation II (SOCLE II) compared with usual oral healthcare in stroke wards. International Journal of Stroke, 2020, 15, 318-323.	2.9	8
95	Characterisation of tissue-type metabolic content in secondary progressive multiple sclerosis: a magnetic resonance spectroscopic imaging study. Journal of Neurology, 2018, 265, 1795-1802.	1.8	7
96	Informed decision-making: Statistical methodology for surrogacy evaluation and its role in licensing and reimbursement assessments. Pharmaceutical Statistics, 2022, 21, 740-756.	0.7	7
97	RApid Primary care Initiation of Drug treatment for Transient Ischaemic Attack (RAPID-TIA): study protocol for a pilot randomised controlled trial. Trials, 2013, 14, 194.	0.7	6
98	The acute medical unit model: A characterisation based upon the National Health Service in Scotland. PLoS ONE, 2018, 13, e0204010.	1.1	6
99	FAST INdiCATE Trial Protocol. Clinical Efficacy of Functional Strength Training for Upper Limb Motor Recovery Early after Stroke: Neural Correlates and Prognostic Indicators. International Journal of Stroke, 2014, 9, 240-245.	2.9	5
100	Models for estimating and projecting global, regional and national prevalence and disease burden of asthma: protocol for a systematic review. BMJ Open, 2017, 7, e015441.	0.8	5
101	Promoting Recruitment using Information Management Efficiently (PRIME): a stepped-wedge, cluster randomised trial of a complex recruitment intervention embedded within the REstart or Stop Antithrombotics Randomised Trial. Trials, 2017, 18, 623.	0.7	5
102	Current recommendations/practices for anonymising data from clinical trials in order to make it available for sharing: A scoping review. Clinical Trials, 2022, 19, 452-463.	0.7	5
103	Randomised controlled trial of combined spinal epidural vs. spinal anaesthesia for elective caesarean section: vasopressor requirements and cardiovascular changes. European Journal of Anaesthesiology, 2009, 26, 47-51.	0.7	4
104	A practical guide to pre-trial simulations for Bayesian adaptive trials using SAS and BUGS. Pharmaceutical Statistics, 2018, 17, 854-865.	0.7	4
105	Evaluation of surrogacy in the multi-trial setting based on information theory: an extension to ordinal outcomes. Journal of Biopharmaceutical Statistics, 2020, 30, 364-376.	0.4	4
106	Advance care planning in primary care for patients with gastrointestinal cancer: feasibility randomised trial. British Journal of General Practice, 2022, 72, e571-e580.	0.7	4
107	Development of a Bayesian response-adaptive trial design for the Dexamethasone for Excessive Menstruation study. Statistical Methods in Medical Research, 2017, 26, 2681-2699.	0.7	3
108	Unreported Summary Statistics in Trial Publications and Risk of Bias in Stroke Rehabilitation Systematic Reviews: An International Survey of Review Authors and Examination of Practical Solutions. Journal of Stroke Medicine, 2019, 2, 136-142.	0.2	3

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109	Severity of drug dependence does not predict changes in drug users'™ behaviour over time. <i>Critical Public Health</i> , 2008, 18, 381-389.	1.4	2
110	Prescription of emergency antiepileptic medication after a first childhood seizure: analysis of routine administrative data. <i>Epileptic Disorders</i> , 2015, 17, 172-176.	0.7	2
111	The FLUOX-PMS trial: Underestimating the challenge in progressive multiple sclerosis trials. <i>Multiple Sclerosis Journal</i> , 2019, 25, 1697-1699.	1.4	2
112	Evaluating improvement interventions using routine data to support a learning health system: research design, data access, analysis and reporting. <i>BMJ Quality and Safety</i> , 2020, 29, 696-700.	1.8	2
113	Does a screening checklist for complex health and social care needs have potential clinical usefulness for predicting unplanned hospital readmissions in intensive care survivors: development and prospective cohort study. <i>BMJ Open</i> , 2022, 12, e056524.	0.8	2
114	Problem drug users and assault: Response to Galvani. <i>International Journal of Drug Policy</i> , 2006, 17, 250-251.	1.6	1
115	Adaptive clinical trials and their potential to improve drug-development efficiency. <i>Clinical Investigation</i> , 2015, 5, 359-361.	0.0	1
116	Separation and the information theory surrogate evaluation approach: A penalised likelihood solution. <i>Pharmaceutical Statistics</i> , 2022, 21, 55-68.	0.7	1
117	Brain natriuretic peptide and high-sensitivity Troponin at 3 hours post emergency department attendance with unexplained syncope predict 90 day outcome. <i>Emergency Care Journal</i> , 2018, 14, .	0.2	0
118	Density strips: visualisation of uncertainty in clinical data summaries and research findings. <i>BMJ Evidence-Based Medicine</i> , 2022, 27, 373-377.	1.7	0