

# Thomas C Darton

## List of Publications by Year in descending order

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93  
papers

7,599  
citations

186265

28  
h-index

76900

74  
g-index

99  
all docs

99  
docs citations

99  
times ranked

13709  
citing authors

#	ARTICLE	IF	CITATIONS
1	A bundle of infection control measures reduces postoperative sternal wound infection due to <i>Staphylococcus aureus</i> but not Gram-negative bacteria: a retrospective analysis of 6903 patient episodes. <i>Journal of Hospital Infection</i> , 2022, 126, 21-28.	2.9	6
2	Genetic Susceptibility to Enteric Fever in Experimentally Challenged Human Volunteers. <i>Infection and Immunity</i> , 2022, 90, e0038921.	2.2	5
3	Mucosal-Associated Invariant T cells exhibit distinct functional signatures associated with protection against typhoid fever. <i>Cellular Immunology</i> , 2022, 378, 104572.	3.0	5
4	Evaluating Use Cases for Human Challenge Trials in Accelerating SARS-CoV-2 Vaccine Development. <i>Clinical Infectious Diseases</i> , 2021, 72, 710-715.	5.8	24
5	Safety and efficacy of the ChAdOx1 nCoV-19 vaccine (AZD1222) against SARS-CoV-2: an interim analysis of four randomised controlled trials in Brazil, South Africa, and the UK. <i>Lancet, The</i> , 2021, 397, 99-111.	13.7	3,887
6	Promoting Ethical Payment in Human Infection Challenge Studies. <i>American Journal of Bioethics</i> , 2021, 21, 11-31.	0.9	25
7	Single-dose administration and the influence of the timing of the booster dose on immunogenicity and efficacy of ChAdOx1 nCoV-19 (AZD1222) vaccine: a pooled analysis of four randomised trials. <i>Lancet, The</i> , 2021, 397, 881-891.	13.7	979
8	Plumbing the Depths of Ethical Payment for Research Participation. <i>American Journal of Bioethics</i> , 2021, 21, W8-W11.	0.9	0
9	Efficacy of ChAdOx1 nCoV-19 (AZD1222) vaccine against SARS-CoV-2 variant of concern 202012/01 (B.1.1.7): an exploratory analysis of a randomised controlled trial. <i>Lancet, The</i> , 2021, 397, 1351-1362.	13.7	540
10	Case Report: Typhoid Fever Complicated by Ileal Perforation in an Urban Slum of Dhaka, Bangladesh. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1755-1757.	1.4	2
11	Long-term survivors following autologous haematopoietic stem cell transplantation have significant defects in their humoral immunity against vaccine preventable diseases, years on from transplant. <i>Vaccine</i> , 2021, 39, 4778-4783.	3.8	6
12	<i>Salmonella</i> Typhi Stool Shedding by Patients With Enteric Fever and Asymptomatic Chronic Carriers in an Endemic Urban Setting. <i>Journal of Infectious Diseases</i> , 2021, 224, S759-S763.	4.0	6
13	AZD1222/ChAdOx1 nCoV-19 vaccination induces a polyfunctional spike protein-specific T <sub>H</sub> 1 response with a diverse TCR repertoire. <i>Science Translational Medicine</i> , 2021, 13, eabj7211.	12.4	80
14	Reactogenicity and immunogenicity after a late second dose or a third dose of ChAdOx1 nCoV-19 in the UK: a substudy of two randomised controlled trials (COV001 and COV002). <i>Lancet, The</i> , 2021, 398, 981-990.	13.7	214
15	Azithromycin and cefixime combination versus azithromycin alone for the out-patient treatment of clinically suspected or confirmed uncomplicated typhoid fever in South Asia: a randomised controlled trial protocol. <i>Wellcome Open Research</i> , 2021, 6, 207.	1.8	0
16	Burden of enteric fever at three urban sites in Africa and Asia: a multicentre population-based study. <i>The Lancet Global Health</i> , 2021, 9, e1688-e1696.	6.3	42
17	The Current Status of Enteric Fever Diagnostics and Implications for Disease Control. <i>Clinical Infectious Diseases</i> , 2020, 71, S64-S70.	5.8	3
18	Human <i>Salmonella</i> Typhi exposure generates differential multifunctional cross-reactive T <sub>H</sub> cell memory responses against <i>Salmonella</i> Paratyphi and invasive nontyphoidal <i>Salmonella</i> . <i>Clinical and Translational Immunology</i> , 2020, 9, e1178.	3.8	3

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19	Ethics of controlled human infection to address COVID-19. <i>Science</i> , 2020, 368, 832-834.	12.6	95
20	Decision analysis approach to risk/benefit evaluation in the ethical review of controlled human infection studies. <i>Bioethics</i> , 2020, 34, 764-770.	1.4	1
21	Unnecessary hesitancy on human vaccine tests—Response. <i>Science</i> , 2020, 369, 151-151.	12.6	3
22	Seasonal influenza programme expansion. <i>BMJ</i> , The, 2020, 371, m4713.	6.0	3
23	Homologous and heterologous re-challenge with <i>Salmonella Typhi</i> and <i>Salmonella Paratyphi A</i> in a randomised controlled human infection model. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008783.	3.0	15
24	The Impact of Vaccination and Prior Exposure on Stool Shedding of <i>Salmonella Typhi</i> and <i>Salmonella Paratyphi</i> in 6 Controlled Human Infection Studies. <i>Clinical Infectious Diseases</i> , 2019, 68, 1265-1273.	5.8	26
25	Assessment of an Antibody-in-Lymphocyte Supernatant Assay for the Etiological Diagnosis of Pneumococcal Pneumonia in Children. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 459.	3.9	3
26	Diagnostic host gene signature for distinguishing enteric fever from other febrile diseases. <i>EMBO Molecular Medicine</i> , 2019, 11, e10431.	6.9	15
27	Azithromycin Resistance in <i>Shigella</i> spp. in Southeast Asia. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	37
28	Clinical features, antimicrobial susceptibility patterns and genomics of bacteria causing neonatal sepsis in a children's hospital in Vietnam: protocol for a prospective observational study. <i>BMJ Open</i> , 2018, 8, e019611.	1.9	6
29	Changing Antimicrobial Resistance Trends in Kathmandu, Nepal: A 23-Year Retrospective Analysis of Bacteraemia. <i>Frontiers in Medicine</i> , 2018, 5, 262.	2.6	16
30	<i>Salmonella Typhi</i> Bactericidal Antibodies Reduce Disease Severity but Do Not Protect against Typhoid Fever in a Controlled Human Infection Model. <i>Frontiers in Immunology</i> , 2018, 8, 1916.	4.8	17
31	Compositional and Functional Differences in the Human Gut Microbiome Correlate with Clinical Outcome following Infection with Wild-Type <i>Salmonella enterica</i> Serovar <i>Typhi</i> . <i>MBio</i> , 2018, 9, .	4.1	21
32	Blood culture-PCR to optimise typhoid fever diagnosis after controlled human infection identifies frequent asymptomatic cases and evidence of primary bacteraemia. <i>Journal of Infection</i> , 2017, 74, 358-366.	3.3	34
33	Current challenges and possible solutions to improve access to care and treatment for hepatitis C infection in Vietnam: a systematic review. <i>BMC Infectious Diseases</i> , 2017, 17, 260.	2.9	20
34	Treatment Response in Enteric Fever in an Era of Increasing Antimicrobial Resistance: An Individual Patient Data Analysis of 2092 Participants Enrolled into 4 Randomized, Controlled Trials in Nepal. <i>Clinical Infectious Diseases</i> , 2017, 64, 1522-1531.	5.8	40
35	An evaluation of purified <i>Salmonella Typhi</i> protein antigens for the serological diagnosis of acute typhoid fever. <i>Journal of Infection</i> , 2017, 75, 104-114.	3.3	23
36	The Typhoid Vaccine Acceleration Consortium (TyVAC): Vaccine effectiveness study designs: Accelerating the introduction of typhoid conjugate vaccines and reducing the global burden of enteric fever. Report from a meeting held on 26–27 October 2016, Oxford, UK. <i>Vaccine</i> , 2017, 35, 5081-5088.	3.8	67

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37	The STRATAA study protocol: a programme to assess the burden of enteric fever in Bangladesh, Malawi and Nepal using prospective population census, passive surveillance, serological studies and healthcare utilisation surveys. <i>BMJ Open</i> , 2017, 7, e016283.	1.9	61
38	Importance of Salmonella Typhi-Responsive CD8+ T Cell Immunity in a Human Typhoid Fever Challenge Model. <i>Frontiers in Immunology</i> , 2017, 8, 208.	4.8	30
39	Challenge of Humans with Wild-type Salmonella enterica Serovar Typhi Elicits Changes in the Activation and Homing Characteristics of Mucosal-Associated Invariant T Cells. <i>Frontiers in Immunology</i> , 2017, 8, 398.	4.8	47
40	Induction of Cell Cycle and NK Cell Responses by Live-Attenuated Oral Vaccines against Typhoid Fever. <i>Frontiers in Immunology</i> , 2017, 8, 1276.	4.8	10
41	Identification of Novel Serodiagnostic Signatures of Typhoid Fever Using a Salmonella Proteome Array. <i>Frontiers in Microbiology</i> , 2017, 8, 1794.	3.5	32
42	Assessment and Translation of the Antibody-in-Lymphocyte Supernatant (ALS) Assay to Improve the Diagnosis of Enteric Fever in Two Controlled Human Infection Models and an Endemic Area of Nepal. <i>Frontiers in Microbiology</i> , 2017, 8, 2031.	3.5	13
43	A 23-year retrospective investigation of Salmonella Typhi and Salmonella Paratyphi isolated in a tertiary Kathmandu hospital. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006051.	3.0	43
44	Evaluation of the Clinical and Microbiological Response to Salmonella Paratyphi A Infection in the First Paratyphoid Human Challenge Model. <i>Clinical Infectious Diseases</i> , 2017, 64, 1066-1073.	5.8	60
45	Non-typhoidal Salmonella serovars associated with invasive and non-invasive disease in the Lao People's Democratic Republic. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2017, 111, 418-424.	1.8	12
46	Oral Challenge with Wild-Type Salmonella Typhi Induces Distinct Changes in B Cell Subsets in Individuals Who Develop Typhoid Disease. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004766.	3.0	20
47	Tourniquet Test for Dengue Diagnosis: Systematic Review and Meta-analysis of Diagnostic Test Accuracy. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004888.	3.0	12
48	Using a Human Challenge Model of Infection to Measure Vaccine Efficacy: A Randomised, Controlled Trial Comparing the Typhoid Vaccines M01ZH09 with Placebo and Ty21a. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004926.	3.0	67
49	Interferon-driven alterations of the host's amino acid metabolism in the pathogenesis of typhoid fever. <i>Journal of Experimental Medicine</i> , 2016, 213, 1061-1077.	8.5	45
50	Salmonella Typhi-specific multifunctional CD8+ T cells play a dominant role in protection from typhoid fever in humans. <i>Journal of Translational Medicine</i> , 2016, 14, 62.	4.4	67
51	Development and Evaluation of a Blood Culture PCR Assay for Rapid Detection of Salmonella Paratyphi A in Clinical Samples. <i>PLoS ONE</i> , 2016, 11, e0150576.	2.5	7
52	Live attenuated oral vaccine, age and anti-Vi antibody status at baseline significantly affect attack rate in a human Salmonella Typhi challenge model. <i>Journal of Infection</i> , 2015, 71, 689.	3.3	0
53	Oral Wild-Type Salmonella Typhi Challenge Induces Activation of Circulating Monocytes and Dendritic Cells in Individuals Who Develop Typhoid Disease. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003837.	3.0	18
54	Activation of Salmonella Typhi-Specific Regulatory T Cells in Typhoid Disease in a Wild-Type S. Typhi Challenge Model. <i>PLoS Pathogens</i> , 2015, 11, e1004914.	4.7	50

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55	Understanding paratyphoid infection: study protocol for the development of a human model of <i>Salmonella enterica</i> serovar Paratyphi A challenge in healthy adult volunteers. <i>BMJ Open</i> , 2015, 5, e007481-e007481.	1.9	16
56	Design, recruitment, and microbiological considerations in human challenge studies. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 840-851.	9.1	107
57	Control of Invasive <i>Salmonella</i> Disease in Africa: Is There a Role for Human Challenge Models?. <i>Clinical Infectious Diseases</i> , 2015, 61, S266-S271.	5.8	14
58	Rapidly Escalating Hecpudin and Associated Serum Iron Starvation Are Features of the Acute Response to Typhoid Infection in Humans. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004029.	3.0	38
59	Why the development of effective typhoid control measures requires the use of human challenge studies. <i>Frontiers in Microbiology</i> , 2014, 5, 707.	3.5	7
60	Reply to Farmakiotis et al. <i>Clinical Infectious Diseases</i> , 2014, 59, 1198-1199.	5.8	0
61	An Outpatient, Ambulant-Design, Controlled Human Infection Model Using Escalating Doses of <i>Salmonella Typhi</i> Challenge Delivered in Sodium Bicarbonate Solution. <i>Clinical Infectious Diseases</i> , 2014, 58, 1230-1240.	5.8	126
62	The serodominant secreted effector protein of <i>Salmonella</i> , SseB, is a strong CD4 antigen containing an immunodominant epitope presented by diverse HLA class II alleles. <i>Immunology</i> , 2014, 143, 438-446.	4.4	32
63	Typhoid epidemiology, diagnostics and the human challenge model. <i>Current Opinion in Gastroenterology</i> , 2014, 30, 7-17.	2.3	40
64	The challenge of enteric fever. <i>Journal of Infection</i> , 2014, 68, S38-S50.	3.3	49
65	MBL2 deficiency is associated with higher genomic bacterial loads during meningococemia in young children. <i>Clinical Microbiology and Infection</i> , 2014, 20, 1337-1342.	6.0	15
66	Advancing the management and control of typhoid fever: A review of the historical role of human challenge studies. <i>Journal of Infection</i> , 2014, 68, 405-418.	3.3	40
67	Bone and joint infections. <i>Surgery</i> , 2013, 31, 187-192.	0.3	3
68	Genetic material should be routinely collected in clinical vaccine trials – High consent rates can be achieved across all age groups. <i>Vaccine</i> , 2013, 31, 2744-2748.	3.8	1
69	Managing and monitoring tuberculosis using web-based tools in combination with traditional approaches. <i>Clinical Epidemiology</i> , 2013, 5, 465.	3.0	9
70	Demonstration of primary and asymptomatic DNAemia in participants challenged with <i>Salmonella Typhi</i> (Quailes strain) during the development of a human model of typhoid infection. <i>International Journal of Infectious Diseases</i> , 2012, 16, e215.	3.3	2
71	Quantification of antibody secreting cell responses in a human challenge model of <i>Salmonella Typhi</i> infection. <i>International Journal of Infectious Diseases</i> , 2012, 16, e224.	3.3	0
72	Variations in attack rate in a single-blind, dose escalation challenge study of <i>Salmonella Typhi</i> in healthy adult volunteers. <i>International Journal of Infectious Diseases</i> , 2012, 16, e244.	3.3	0

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73	Six-Month Evaluation of a Rapid Direct MALDI TOF Mass Spectrometry Methodology for Organism Identification in Bloodstream Infection in a Routine Clinical Setting. <i>Journal of Infection</i> , 2011, 63, 496-497.	3.3	0
74	Adult Survivors of Invasive Pneumococcal Disease Exhibit Defective B Cell Function. <i>Clinical Infectious Diseases</i> , 2011, 52, 1133-1136.	5.8	5
75	Bacterial Genomic Detection Within Cerebrospinal Fluid of Patients With Meningococcal Disease Is Influenced by Microbial and Host Characteristics. <i>Clinical Infectious Diseases</i> , 2011, 53, 463-467.	5.8	2
76	Baseline factors predicting the duration of intravenous antibiotic therapy for cellulitis in an outpatient setting. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2010, 29, 347-349.	2.9	16
77	Bone and joint infections. <i>Surgery</i> , 2010, 28, 95-100.	0.3	3
78	Severity of Meningococcal Disease Associated with Genomic Bacterial Load. <i>Clinical Infectious Diseases</i> , 2009, 48, 587-594.	5.8	100
79	Missed opportunities to diagnose <i>Plasmodium falciparum</i> malaria: Results of a regional service evaluation. <i>Journal of Infection</i> , 2009, 58, 172-173.	3.3	3
80	Systematic telephone triage of possible "Swine" influenza leads to potentially serious misdiagnosis of infectious diseases. <i>Journal of Infection</i> , 2009, 59, 371-372.	3.3	13
81	Are we good at thromboembolic disease prophylaxis? - an audit of the use of risk assessment forms in emergency medical admissions. <i>International Journal of Clinical Practice</i> , 2005, 59, 605-611.	1.7	8
82	P429 Thromboprophylaxis in medical patients " have we made any progress? An audit on the use of thrombosis risk factor assessment form in medical patients in Kingsmill Hospital, UK. <i>European Journal of Internal Medicine</i> , 2003, 14, S151-S152.	2.2	0
83	Molecular Diagnosis of Enteric Fever: Progress and Perspectives. , 0, , .		2
84	Efficacy of ChAdOx1 nCoV-19&nbsp;(AZD1222)&nbsp;Vaccine Against SARS-CoV-2 VOC&nbsp;202012/01&nbsp;(B.1.1.7). <i>SSRN Electronic Journal</i> , 0, , .	0.4	36
85	Single Dose&nbsp;Administration,&nbsp;And&nbsp;The&nbsp;Influence Of&nbsp;The&nbsp;Timing Of&nbsp;The&nbsp;Booster Dose&nbsp;On Immunogenicity and Efficacy Of&nbsp;ChAdOx1 nCoV-19&nbsp;(AZD1222)&nbsp;Vaccine. <i>SSRN Electronic Journal</i> , 0, , .	0.4	10
86	Azithromycin and cefixime combination versus azithromycin alone for the out-patient treatment of clinically suspected or confirmed uncomplicated typhoid fever in South Asia: a randomised controlled trial protocol. <i>Wellcome Open Research</i> , 0, 6, 207.	1.8	6
87	Risk factors for SARS-CoV-2 seroprevalence following the first pandemic wave in UK healthcare workers in a large NHS Foundation Trust. <i>Wellcome Open Research</i> , 0, 6, 220.	1.8	6
88	Factors influencing participation in controlled human infection models: a pooled analysis from six enteric fever studies. <i>Wellcome Open Research</i> , 0, 4, 153.	1.8	6
89	Ethical Payment to Participants in Human Infection Challenge Studies, with a Focus on SARS-CoV-2: Report and Recommendations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4
90	The influence of human genetic variation on early transcriptional responses and protective immunity following immunization with Rotarix vaccine in infants in Ho Chi Minh City in Vietnam: A study protocol for an open single-arm interventional trial. <i>Wellcome Open Research</i> , 0, 5, 246.	1.8	0

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91	The CIPAZ study protocol: an open label randomised controlled trial of azithromycin versus ciprofloxacin for the treatment of children hospitalised with dysentery in Ho Chi Minh City, Vietnam. Wellcome Open Research, 0, 5, 214.	1.8	0
92	Risk factors for SARS-CoV-2 seroprevalence following the first pandemic wave in UK healthcare workers in a large NHS Foundation Trust. Wellcome Open Research, 0, 6, 220.	1.8	1
93	Risk factors for SARS-CoV-2 seroprevalence following the first pandemic wave in UK healthcare workers in a large NHS Foundation Trust. Wellcome Open Research, 0, 6, 220.	1.8	4