

# Thomas C Darton

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | 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     |
| 2  | 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       |
| 3  | 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       |
| 4  | 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       |
| 5  | An Outpatient, Ambulant-Design, Controlled Human Infection Model Using Escalating Doses of Salmonella Typhi Challenge Delivered in Sodium Bicarbonate Solution. <i>Clinical Infectious Diseases</i> , 2014, 58, 1230-1240.   | 5.8  | 126       |
| 6  | Design, recruitment, and microbiological considerations in human challenge studies. <i>Lancet Infectious Diseases, The</i> , 2015, 15, 840-851.  | 9.1  | 107       |
| 7  | Severity of Meningococcal Disease Associated with Genomic Bacterial Load. <i>Clinical Infectious Diseases</i> , 2009, 48, 587-594.   | 5.8  | 100       |
| 8  | Ethics of controlled human infection to address COVID-19. <i>Science</i> , 2020, 368, 832-834.   | 12.6 | 95        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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        |
| 16 | The challenge of enteric fever. <i>Journal of Infection</i> , 2014, 68, S38-S50.   | 3.3  | 49        |
| 17 | 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        |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | A 23-year retrospective investigation of Salmonella Typhi and Salmonella Paratyphi isolated in a tertiary Kathmandu hospital. PLoS Neglected Tropical Diseases, 2017, 11, e0006051.   | 3.0 | 43        |
| 20 | Burden of enteric fever at three urban sites in Africa and Asia: a multicentre population-based study. The Lancet Global Health, 2021, 9, e1688-e1696.  | 6.3 | 42        |
| 21 | Typhoid epidemiology, diagnostics and the human challenge model. Current Opinion in Gastroenterology, 2014, 30, 7-17.   | 2.3 | 40        |
| 22 | Advancing the management and control of typhoid fever: A review of the historical role of human challenge studies. Journal of Infection, 2014, 68, 405-418.   | 3.3 | 40        |
| 23 | 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. Clinical Infectious Diseases, 2017, 64, 1522-1531. | 5.8 | 40        |
| 24 | Rapidly Escalating Hepcidin and Associated Serum Iron Starvation Are Features of the Acute Response to Typhoid Infection in Humans. PLoS Neglected Tropical Diseases, 2015, 9, e0004029.  | 3.0 | 38        |
| 25 | Azithromycin Resistance in Shigella spp. in Southeast Asia. Antimicrobial Agents and Chemotherapy, 2018, 62, .  | 3.2 | 37        |
| 26 | Efficacy of ChAdOx1 nCoV-19&nbsp;(AZD1222)&nbsp;Vaccine Against SARS-CoV-2 VOC&nbsp;(B.1.1.7). SSRN Electronic Journal, 0, , .  | 0.4 | 36        |
| 27 | Blood culture-PCR to optimise typhoid fever diagnosis after controlled human infection identifies frequent asymptomatic cases and evidence of primary bacteraemia. Journal of Infection, 2017, 74, 358-366.   | 3.3 | 34        |
| 28 | 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. Immunology, 2014, 143, 438-446.   | 4.4 | 32        |
| 29 | Identification of Novel Serodiagnostic Signatures of Typhoid Fever Using a Salmonella Proteome Array. Frontiers in Microbiology, 2017, 8, 1794.   | 3.5 | 32        |
| 30 | Importance of Salmonella Typhi-Responsive CD8+ T Cell Immunity in a Human Typhoid Fever Challenge Model. Frontiers in Immunology, 2017, 8, 208.   | 4.8 | 30        |
| 31 | The Impact of Vaccination and Prior Exposure on Stool Shedding of Salmonella Typhi and Salmonella Paratyphi in 6 Controlled Human Infection Studies. Clinical Infectious Diseases, 2019, 68, 1265-1273.   | 5.8 | 26        |
| 32 | Promoting Ethical Payment in Human Infection Challenge Studies. American Journal of Bioethics, 2021, 21, 11-31.   | 0.9 | 25        |
| 33 | Evaluating Use Cases for Human Challenge Trials in Accelerating SARS-CoV-2 Vaccine Development. Clinical Infectious Diseases, 2021, 72, 710-715.  | 5.8 | 24        |
| 34 | An evaluation of purified Salmonella Typhi protein antigens for the serological diagnosis of acute typhoid fever. Journal of Infection, 2017, 75, 104-114.  | 3.3 | 23        |
| 35 | Compositional and Functional Differences in the Human Gut Microbiome Correlate with Clinical Outcome following Infection with Wild-Type Salmonella enterica Serovar Typhi. MBio, 2018, 9, .   | 4.1 | 21        |
| 36 | Oral Challenge with Wild-Type Salmonella Typhi Induces Distinct Changes in B Cell Subsets in Individuals Who Develop Typhoid Disease. PLoS Neglected Tropical Diseases, 2016, 10, e0004766.   | 3.0 | 20        |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | Salmonella Typhi 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        |
| 40 | 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        |
| 41 | Understanding paratyphoid infection: study protocol for the development of a human model of Salmonella enterica serovar Paratyphi A challenge in healthy adult volunteers. <i>BMJ Open</i> , 2015, 5, e007481-e007481.                              | 1.9 | 16        |
| 42 | 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        |
| 43 | MBL2 deficiency is associated with higher genomic bacterial loads during meningococccemia in young children. <i>Clinical Microbiology and Infection</i> , 2014, 20, 1337-1342.  | 6.0 | 15        |
| 44 | Homologous and heterologous re-challenge with Salmonella Typhi and Salmonella Paratyphi A in a randomised controlled human infection model. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008783.   | 3.0 | 15        |
| 45 | Diagnostic host gene signature for distinguishing enteric fever from other febrile diseases. <i>EMBO Molecular Medicine</i> , 2019, 11, e10431.   | 6.9 | 15        |
| 46 | Control of Invasive Salmonella Disease in Africa: Is There a Role for Human Challenge Models?. <i>Clinical Infectious Diseases</i> , 2015, 61, S266-S271.   | 5.8 | 14        |
| 47 | 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        |
| 48 | 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        |
| 49 | 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        |
| 50 | 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        |
| 51 | 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        |
| 52 | Single Dose Administration, And The Influence Of The Timing Of The Booster Dose On Immunogenicity and Efficacy Of ChAdOx1 nCoV-19 (AZD1222) Vaccine. <i>SSRN Electronic Journal</i> , 0, , ,  | 0.4 | 10        |
| 53 | Managing and monitoring tuberculosis using web-based tools in combination with traditional approaches. <i>Clinical Epidemiology</i> , 2013, 5, 465.   | 3.0 | 9         |
| 54 | 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         |

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|----|--|-----|-----------|
| 55 | 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         |
| 56 | 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         |
| 57 | 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         |
| 58 | 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         |
| 59 | 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         |
| 60 | <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         |
| 61 | 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         |
| 62 | 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         |
| 63 | 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         |
| 64 | Adult Survivors of Invasive Pneumococcal Disease Exhibit Defective B Cell Function. <i>Clinical Infectious Diseases</i> , 2011, 52, 1133-1136.   | 5.8 | 5         |
| 65 | Genetic Susceptibility to Enteric Fever in Experimentally Challenged Human Volunteers. <i>Infection and Immunity</i> , 2022, 90, e0038921.   | 2.2 | 5         |
| 66 | 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         |
| 67 | 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         |
| 68 | 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 | 4         |
| 69 | 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         |
| 70 | Bone and joint infections. <i>Surgery</i> , 2010, 28, 95-100.  | 0.3 | 3         |
| 71 | Bone and joint infections. <i>Surgery</i> , 2013, 31, 187-192.   | 0.3 | 3         |
| 72 | The Current Status of Enteric Fever Diagnostics and Implications for Disease Control. <i>Clinical Infectious Diseases</i> , 2020, 71, S64-S70.   | 5.8 | 3         |

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|----|---|------|-----------|
| 73 | Human <i>Salmonella</i> Typhi exposure generates differential multifunctional cross-reactive T 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         |
| 74 | Unnecessary hesitancy on human vaccine testsâ€”Response. <i>Science</i> , 2020, 369, 151-151.   | 12.6 | 3         |
| 75 | 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         |
| 76 | Seasonal influenza programme expansion. <i>BMJ</i> , The, 2020, 371, m4713.   | 6.0  | 3         |
| 77 | 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         |
| 78 | Demonstration of primary and asymptomatic DNAemia in participants challenged with <i>Salmonella</i> Typhi (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         |
| 79 | Molecular Diagnosis of Enteric Fever: Progress and Perspectives. , 0, , .   |      | 2         |
| 80 | 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         |
| 81 | Genetic material should be routinely collected in clinical vaccine trials â€” High consent rates can be achieved across all age groups. <i>Vaccine</i> , 2013, 31, 2744-2748.   | 3.8  | 1         |
| 82 | 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         |
| 83 | 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  | 1         |
| 84 | P429 Thromboprophylaxis in medical patients â€” 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         |
| 85 | 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         |
| 86 | Quantification of antibody secreting cell responses in a human challenge model of <i>Salmonella</i> Typhi infection. <i>International Journal of Infectious Diseases</i> , 2012, 16, e224.  | 3.3  | 0         |
| 87 | Variations in attack rate in a single-blind, dose escalation challenge study of <i>Salmonella</i> Typhi in healthy adult volunteers. <i>International Journal of Infectious Diseases</i> , 2012, 16, e244.  | 3.3  | 0         |
| 88 | Reply to Farmakiotis et al. <i>Clinical Infectious Diseases</i> , 2014, 59, 1198-1199.  | 5.8  | 0         |
| 89 | Live attenuated oral vaccine, age and anti-Vi antibody status at baseline significantly affect attack rate in a human <i>Salmonella</i> Typhi challenge model. <i>Journal of Infection</i> , 2015, 71, 689.   | 3.3  | 0         |
| 90 | Plumbing the Depths of Ethical Payment for Research Participation. <i>American Journal of Bioethics</i> , 2021, 21, W8-W11.   | 0.9  | 0         |

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|----|---|-----|-----------|
| 91 | 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. Wellcome Open Research, 0, 5, 246. | 1.8 | 0         |
| 92 | 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         |
| 93 | 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. Wellcome Open Research, 2021, 6, 207.                                 | 1.8 | 0         |