# Thomas C Darton

List of Publications by Year
in descending order



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|---|---|---|---|
| 93 papers | 7,599 citations | 186209 28 h-index | 76872 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 Staphylococcus aureus but not Gram-negative bacteria: a retrospective analysis of 6903 patient episodes. Journal of Hospital Infection, 2022, 126, 21-28. | 1.4 | 6 |
| 2 | Genetic Susceptibility to Enteric Fever in Experimentally Challenged Human Volunteers. Infection and Immunity, 2022, 90, e0038921. | 1.0 | 5 |
| 3 | Mucosal-Associated Invariant T cells exhibit distinct functional signatures associated with protection against typhoid fever. Cellular Immunology, 2022, 378, 104572. | 1.4 | 5 |
| 4 | Evaluating Use Cases for Human Challenge Trials in Accelerating SARS-CoV-2 Vaccine Development. Clinical Infectious Diseases, 2021, 72, 710-715. | 2.9 | 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. Lancet, The, 2021, 397, 99-111. | 6.3 | 3,887 |
| 6 | Promoting Ethical Payment in Human Infection Challenge Studies. American Journal of Bioethics, 2021, 21, 11-31. | 0.5 | 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. Lancet, The, 2021, 397, 881-891. | 6.3 | 979 |
| 8 | Plumbing the Depths of Ethical Payment for Research Participation. American Journal of Bioethics, 2021, 21, W8-W11. | 0.5 | 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. Lancet, The, 2021, 397, 1351-1362. | 6.3 | 540 |
| 10 | Case Report: Typhoid Fever Complicated by Ileal Perforation in an Urban Slum of Dhaka, Bangladesh. American Journal of Tropical Medicine and Hygiene, 2021, 104, 1755-1757. | 0.6 | 2 |
| 11 | Long-term survivors following autologous haematopoetic stem cell transplantation have significant defects in their humoral immunity against vaccine preventable diseases, years on from transplant. Vaccine, 2021, 39, 4778-4783. | 1.7 | 6 |
| 12 | Salmonella Typhi Stool Shedding by Patients With Enteric Fever and Asymptomatic Chronic Carriers in an Endemic Urban Setting. Journal of Infectious Diseases, 2021, 224, S759-S763. | 1.9 | 6 |
| 13 | AZD1222/ChAdOx1 nCoV-19 vaccination induces a polyfunctional spike proteinâ€“specific T <sub>H</sub> 1 response with a diverse TCR repertoire. Science Translational Medicine, 2021, 13, eabj7211. | 5.8 | 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). Lancet, The, 2021, 398, 981-990. | 6.3 | 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. Wellcome Open Research, 2021, 6, 207. | 0.9 | 0 |
| 16 | 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. | 2.9 | 42 |
| 17 | The Current Status of Enteric Fever Diagnostics and Implications for Disease Control. Clinical Infectious Diseases, 2020, 71, S64-S70. | 2.9 | 3 |
| 18 | Human Salmonella Typhi exposure generates differential multifunctional crossâ€reactive Tâ€cell memory responses against Salmonella Paratyphi and invasive nontyphoidal Salmonella. Clinical and Translational Immunology, 2020, 9, e1178. | 1.7 | 3 |

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|---|---|---|---|
| 19 | Ethics of controlled human infection to address COVID-19. Science, 2020, 368, 832-834. | 6.0 | 95 |
| 20 | Decision analysis approach to risk/benefit evaluation in the ethical review of controlled human infection studies. Bioethics, 2020, 34, 764-770. | 0.7 | 1 |
| 21 | Unnecessary hesitancy on human vaccine testsâ€"Response. Science, 2020, 369, 151-151. | 6.0 | 3 |
| 22 | Seasonal influenza programme expansion. BMJ, The, 2020, 371, m4713. | 3.0 | 3 |
| 23 | Homologous and heterologous re-challenge with Salmonella Typhi and Salmonella Paratyphi A in a randomised controlled human infection model. PLoS Neglected Tropical Diseases, 2020, 14, e0008783. | 1.3 | 15 |
| 24 | 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. | 2.9 | 26 |
| 25 | Assessment of an Antibody-in-Lymphocyte Supernatant Assay for the Etiological Diagnosis of Pneumococcal Pneumonia in Children. Frontiers in Cellular and Infection Microbiology, 2019, 9, 459. | 1.8 | 3 |
| 26 | Diagnostic host gene signature for distinguishing enteric fever from other febrile diseases. EMBO Molecular Medicine, 2019, 11, e10431. | 3.3 | 15 |
| 27 | Azithromycin Resistance in Shigella spp. in Southeast Asia. Antimicrobial Agents and Chemotherapy, 2018, 62, . | 1.4 | 37 |
| 28 | Clinical features, antimicrobial susceptibility patterns and genomics of bacteria causing neonatal sepsis in a childrenâ€™s hospital in Vietnam: protocol for a prospective observational study. BMJ Open, 2018, 8, e019611. | 0.8 | 6 |
| 29 | Changing Antimicrobial Resistance Trends in Kathmandu, Nepal: A 23-Year Retrospective Analysis of Bacteraemia. Frontiers in Medicine, 2018, 5, 262. | 1.2 | 16 |
| 30 | Salmonella Typhi Bactericidal Antibodies Reduce Disease Severity but Do Not Protect against Typhoid Fever in a Controlled Human Infection Model. Frontiers in Immunology, 2018, 8, 1916. | 2.2 | 17 |
| 31 | 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, . | 1.8 | 21 |
| 32 | 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. | 1.7 | 34 |
| 33 | Current challenges and possible solutions to improve access to care and treatment for hepatitis C infection in Vietnam: a systematic review. BMC Infectious Diseases, 2017, 17, 260. | 1.3 | 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. Clinical Infectious Diseases, 2017, 64, 1522-1531. | 2.9 | 40 |
| 35 | An evaluation of purified Salmonella Typhi protein antigens for the serological diagnosis of acute typhoid fever. Journal of Infection, 2017, 75, 104-114. | 1.7 | 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 26â€"27 October 2016, Oxford, UK. Vaccine, 2017, 35, 5081-5088. | 1.7 | 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. BMJ Open, 2017, 7, e016283. | 0.8 | 61 |
| 38 | Importance of Salmonella Typhi-Responsive CD8+ T Cell Immunity in a Human Typhoid Fever Challenge Model. Frontiers in Immunology, 2017, 8, 208. | 2.2 | 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. Frontiers in Immunology, 2017, 8, 398. | 2.2 | 47 |
| 40 | Induction of Cell Cycle and NK Cell Responses by Live-Attenuated Oral Vaccines against Typhoid Fever. Frontiers in Immunology, 2017, 8, 1276. | 2.2 | 10 |
| 41 | Identification of Novel Serodiagnostic Signatures of Typhoid Fever Using a Salmonella Proteome Array. Frontiers in Microbiology, 2017, 8, 1794. | 1.5 | 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. Frontiers in Microbiology, 2017, 8, 2031. | 1.5 | 13 |
| 43 | A 23-year retrospective investigation of Salmonella Typhi and Salmonella Paratyphi isolated in a tertiary Kathmandu hospital. PLoS Neglected Tropical Diseases, 2017, 11, e0006051. | 1.3 | 43 |
| 44 | Evaluation of the Clinical and Microbiological Response to Salmonella Paratyphi A Infection in the First Paratyphoid Human Challenge Model. Clinical Infectious Diseases, 2017, 64, 1066-1073. | 2.9 | 60 |
| 45 | Non-typhoidal Salmonella serovars associated with invasive and non-invasive disease in the Lao Peopleâ€™s Democratic Republic. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2017, 111, 418-424. | 0.7 | 12 |
| 46 | 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. | 1.3 | 20 |
| 47 | Tourniquet Test for Dengue Diagnosis: Systematic Review and Meta-analysis of Diagnostic Test Accuracy. PLoS Neglected Tropical Diseases, 2016, 10, e0004888. | 1.3 | 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. PLoS Neglected Tropical Diseases, 2016, 10, e0004926. | 1.3 | 67 |
| 49 | Interferon-driven alterations of the hostâ€™s amino acid metabolism in the pathogenesis of typhoid fever. Journal of Experimental Medicine, 2016, 213, 1061-1077. | 4.2 | 45 |
| 50 | Salmonella Typhi-specific multifunctional CD8+ T cells play a dominant role in protection from typhoid fever in humans. Journal of Translational Medicine, 2016, 14, 62. | 1.8 | 67 |
| 51 | Development and Evaluation of a Blood Culture PCR Assay for Rapid Detection of Salmonella Paratyphi A in Clinical Samples. PLoS ONE, 2016, 11, e0150576. | 1.1 | 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. Journal of Infection, 2015, 71, 689. | 1.7 | 0 |
| 53 | Oral Wild-Type Salmonella Typhi Challenge Induces Activation of Circulating Monocytes and Dendritic Cells in Individuals Who Develop Typhoid Disease. PLoS Neglected Tropical Diseases, 2015, 9, e0003837. | 1.3 | 18 |
| 54 | Activation of Salmonella Typhi-Specific Regulatory T Cells in Typhoid Disease in a Wild-Type S. Typhi Challenge Model. PLoS Pathogens, 2015, 11, e1004914. | 2.1 | 50 |

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|---|---|---|---|
| 55 | Understanding paratyphoid infection: study protocol for the development of a human model of Salmonella enterica serovar Paratyphi A challenge in healthy adult volunteers. BMJ Open, 2015, 5, e007481-e007481. | 0.8 | 16 |
| 56 | Design, recruitment, and microbiological considerations in human challenge studies. Lancet Infectious Diseases, The, 2015, 15, 840-851. | 4.6 | 107 |
| 57 | Control of InvasiveSalmonellaDisease in Africa: Is There a Role for Human Challenge Models?. Clinical Infectious Diseases, 2015, 61, S266-S271. | 2.9 | 14 |
| 58 | 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. | 1.3 | 38 |
| 59 | Why the development of effective typhoid control measures requires the use of human challenge studies. Frontiers in Microbiology, 2014, 5, 707. | 1.5 | 7 |
| 60 | Reply to Farmakiotis et al. Clinical Infectious Diseases, 2014, 59, 1198-1199. | 2.9 | 0 |
| 61 | An Outpatient, Ambulant-Design, Controlled Human Infection Model Using Escalating Doses of Salmonella Typhi Challenge Delivered in Sodium Bicarbonate Solution. Clinical Infectious Diseases, 2014, 58, 1230-1240. | 2.9 | 126 |
| 62 | The serodominant secreted effector protein of Salmonella, SseB, is a strong CD4 antigen containing an immunodominant epitope presented by diverse <scp>HLA</scp> class <scp>II</scp> alleles. Immunology, 2014, 143, 438-446. | 2.0 | 32 |
| 63 | Typhoid epidemiology, diagnostics and the human challenge model. Current Opinion in Gastroenterology, 2014, 30, 7-17. | 1.0 | 40 |
| 64 | The challenge of enteric fever. Journal of Infection, 2014, 68, S38-S50. | 1.7 | 49 |
| 65 | MBL2 deficiency is associated with higher genomic bacterial loads during meningococcemia in young children. Clinical Microbiology and Infection, 2014, 20, 1337-1342. | 2.8 | 15 |
| 66 | 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. | 1.7 | 40 |
| 67 | Bone and joint infections. Surgery, 2013, 31, 187-192. | 0.1 | 3 |
| 68 | Genetic material should be routinely collected in clinical vaccine trials â€“ High consent rates can be achieved across all age groups. Vaccine, 2013, 31, 2744-2748. | 1.7 | 1 |
| 69 | Managing and monitoring tuberculosis using web-based tools in combination with traditional approaches. Clinical Epidemiology, 2013, 5, 465. | 1.5 | 9 |
| 70 | Demonstration of primary and asymptomatic DNAaemia in participants challenged with Salmonella Typhi (Quailes strain) during the development of a human model of typhoid infection. International Journal of Infectious Diseases, 2012, 16, e215. | 1.5 | 2 |
| 71 | Quantification of antibody secreting cell responses in a human challenge model of Salmonella Typhi infection. International Journal of Infectious Diseases, 2012, 16, e224. | 1.5 | 0 |
| 72 | Variations in attack rate in a single-blind, dose escalation challenge study of Salmonella Typhi in healthy adult volunteers. International Journal of Infectious Diseases, 2012, 16, e244. | 1.5 | 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. Journal of Infection, 2011, 63, 496-497. | 1.7 | 0 |
| 74 | Adult Survivors of Invasive Pneumococcal Disease Exhibit Defective B Cell Function. Clinical Infectious Diseases, 2011, 52, 1133-1136. | 2.9 | 5 |
| 75 | Bacterial Genomic Detection Within Cerebrospinal Fluid of Patients With Meningococcal Disease Is Influenced by Microbial and Host Characteristics. Clinical Infectious Diseases, 2011, 53, 463-467. | 2.9 | 2 |
| 76 | Baseline factors predicting the duration of intravenous antibiotic therapy for cellulitis in an outpatient setting. European Journal of Clinical Microbiology and Infectious Diseases, 2010, 29, 347-349. | 1.3 | 16 |
| 77 | Bone and joint infections. Surgery, 2010, 28, 95-100. | 0.1 | 3 |
| 78 | Severity of Meningococcal Disease Associated with Genomic Bacterial Load. Clinical Infectious Diseases, 2009, 48, 587-594. | 2.9 | 100 |
| 79 | Missed opportunities to diagnose Plasmodium falciparum malaria: Results of a regional service evaluation. Journal of Infection, 2009, 58, 172-173. | 1.7 | 3 |
| 80 | Systematic telephone triage of possible â€˜Swineâ€™ influenza leads to potentially serious misdiagnosis of infectious diseases. Journal of Infection, 2009, 59, 371-372. | 1.7 | 13 |
| 81 | Are we good at thromboembolic disease prophylaxis? - an audit of the use of risk assessment forms in emergency medical admissions. International Journal of Clinical Practice, 2005, 59, 605-611. | 0.8 | 8 |
| 82 | 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. European Journal of Internal Medicine, 2003, 14, S151-S152. | 1.0 | 0 |
| 83 | Molecular Diagnosis of Enteric Fever: Progress and Perspectives. , 0, , . | | 2 |
| 84 | Efficacy of ChAdOx1 nCoV-19 (AZD1222) Vaccine Against SARS-CoV-2 VOC 202012/01 (B.1.1.7). SSRN Electronic Journal, 0, , . | 0.4 | 36 |
| 85 | Single Dose Administration, And The Influence Of The Timing Of The Booster Dose On Immunogenicity and Efficacy Of ChAdOx1 nCoV-19 (AZD1222) Vaccine. SSRN Electronic Journal, 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. Wellcome Open Research, 0, 6, 207. | 0.9 | 6 |
| 87 | 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. | 0.9 | 6 |
| 88 | Factors influencing participation in controlled human infection models: a pooled analysis from six enteric fever studies. Wellcome Open Research, 0, 4, 153. | 0.9 | 6 |
| 89 | Ethical Payment to Participants in Human Infection Challenge Studies, with a Focus on SARS-CoV-2: Report and Recommendations. SSRN Electronic Journal, 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. Wellcome Open Research, 0, 5, 246. | 0.9 | 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. | 0.9 | 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. | 0.9 | 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. | 0.9 | 4 |