

# Gordon Dougan

## List of Publications by Year in descending order

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215  
papers

26,236  
citations

9786

73  
h-index

7348

152  
g-index

234  
all docs

234  
docs citations

234  
times ranked

26396  
citing authors

#	ARTICLE	IF	CITATIONS
1	Requirement of <i>bic/microRNA-155</i> for Normal Immune Function. <i>Science</i> , 2007, 316, 608-611.	12.6	1,786
2	Typhoid Fever. <i>New England Journal of Medicine</i> , 2002, 347, 1770-1782.	27.0	1,357
3	<i>Salmonella enterica</i> Serovar Typhimurium Exploits Inflammation to Compete with the Intestinal Microbiota. <i>PLoS Biology</i> , 2007, 5, e244.	5.6	905
4	Rapid Pneumococcal Evolution in Response to Clinical Interventions. <i>Science</i> , 2011, 331, 430-434.	12.6	828
5	Invasive non-typhoidal salmonella disease: an emerging and neglected tropical disease in Africa. <i>Lancet, The</i> , 2012, 379, 2489-2499.	13.7	787
6	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts infectivity and fusogenicity. <i>Nature</i> , 2022, 603, 706-714.	27.8	756
7	Emergence and global spread of epidemic healthcare-associated <i>Clostridium difficile</i> . <i>Nature Genetics</i> , 2013, 45, 109-113.	21.4	669
8	Evidence for several waves of global transmission in the seventh cholera pandemic. <i>Nature</i> , 2011, 477, 462-465.	27.8	649
9	Enteropathogenic and enterohaemorrhagic <i>Escherichia coli</i> : more subversive elements. <i>Molecular Microbiology</i> , 1998, 30, 911-921.	2.5	623
10	Multilocus Sequence Typing as a Replacement for Serotyping in <i>Salmonella enterica</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002776.	4.7	574
11	Epidemic multiple drug resistant <i>Salmonella</i> Typhimurium causing invasive disease in sub-Saharan Africa have a distinct genotype. <i>Genome Research</i> , 2009, 19, 2279-2287.	5.5	504
12	Targeted Restoration of the Intestinal Microbiota with a Simple, Defined Bacteriotherapy Resolves Relapsing <i>Clostridium difficile</i> Disease in Mice. <i>PLoS Pathogens</i> , 2012, 8, e1002995.	4.7	504
13	High-throughput sequencing provides insights into genome variation and evolution in <i>Salmonella</i> Typhi. <i>Nature Genetics</i> , 2008, 40, 987-993.	21.4	453
14	Genome-wide Generation and Systematic Phenotyping of Knockout Mice Reveals New Roles for Many Genes. <i>Cell</i> , 2013, 154, 452-464.	28.9	449
15	Emergence of an Extensively Drug-Resistant <i>Salmonella enterica</i> Serovar Typhi Clone Harboring a Promiscuous Plasmid Encoding Resistance to Fluoroquinolones and Third-Generation Cephalosporins. <i>MBio</i> , 2018, 9, .	4.1	434
16	Screening of healthcare workers for SARS-CoV-2 highlights the role of asymptomatic carriage in COVID-19 transmission. <i>ELife</i> , 2020, 9, .	6.0	423
17	Phylogeographical analysis of the dominant multidrug-resistant H58 clade of <i>Salmonella</i> Typhi identifies inter- and intracontinental transmission events. <i>Nature Genetics</i> , 2015, 47, 632-639.	21.4	403
18	Comparative genome analysis of <i>Salmonella</i> Enteritidis PT4 and <i>Salmonella</i> Gallinarum 287/91 provides insights into evolutionary and host adaptation pathways. <i>Genome Research</i> , 2008, 18, 1624-1637.	5.5	394

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19	Intracontinental spread of human invasive <i>Salmonella</i> Typhimurium pathovariants in sub-Saharan Africa. <i>Nature Genetics</i> , 2012, 44, 1215-1221.	21.4	370
20	Antimicrobial Actions of the NADPH Phagocyte Oxidase and Inducible Nitric Oxide Synthase in Experimental Salmonellosis. II. Effects on Microbial Proliferation and Host Survival in Vivo. <i>Journal of Experimental Medicine</i> , 2000, 192, 237-248.	8.5	364
21	Rapid implementation of SARS-CoV-2 sequencing to investigate cases of health-care associated COVID-19: a prospective genomic surveillance study. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1263-1271.	9.1	352
22	Evolutionary History of <i>Salmonella</i> Typhi. <i>Science</i> , 2006, 314, 1301-1304.	12.6	349
23	<i>Salmonella typhi</i> , the causative agent of typhoid fever, is approximately 50,000 years old. <i>Infection, Genetics and Evolution</i> , 2002, 2, 39-45.	2.3	328
24	Mucosal Adjuvanticity and Immunogenicity of LTR72, a Novel Mutant of <i>Escherichia coli</i> Heat-labile Enterotoxin with Partial Knockout of ADP-ribosyltransferase Activity. <i>Journal of Experimental Medicine</i> , 1998, 187, 1123-1132.	8.5	270
25	Structure and mucosal adjuvanticity of cholera and <i>Escherichia coli</i> heat-labile enterotoxins. <i>Trends in Immunology</i> , 1999, 20, 493-500.	7.5	270
26	Genomic history of the seventh pandemic of cholera in Africa. <i>Science</i> , 2017, 358, 785-789.	12.6	255
27	<i>Salmonella enterica</i> Serovar Typhi and the Pathogenesis of Typhoid Fever. <i>Annual Review of Microbiology</i> , 2014, 68, 317-336.	7.3	254
28	Epithelial IL-22RA1-Mediated Fucosylation Promotes Intestinal Colonization Resistance to an Opportunistic Pathogen. <i>Cell Host and Microbe</i> , 2014, 16, 504-516.	11.0	237
29	Longitudinal analysis reveals that delayed bystander CD8+ T cell activation and early immune pathology distinguish severe COVID-19 from mild disease. <i>Immunity</i> , 2021, 54, 1257-1275.e8.	14.3	230
30	Interaction of <i>Salmonella enterica</i> Serovar Typhimurium with Intestinal Organoids Derived from Human Induced Pluripotent Stem Cells. <i>Infection and Immunity</i> , 2015, 83, 2926-2934.	2.2	221
31	Ventilator-associated pneumonia in critically ill patients with COVID-19. <i>Critical Care</i> , 2021, 25, 25.	5.8	217
32	IgA production without $\mu$ or $\delta$ chain expression in developing B cells. <i>Nature Immunology</i> , 2001, 2, 625-631.	14.5	216
33	Genomic Comparison of <i>Salmonella enterica</i> Serovars and <i>Salmonella bongori</i> by Use of an <i>S. enterica</i> Serovar Typhimurium DNA Microarray. <i>Journal of Bacteriology</i> , 2003, 185, 553-563.	2.2	211
34	The neglected role of antibody in protection against bacteremia caused by nontyphoidal strains of <i>Salmonella</i> in African children. <i>Journal of Clinical Investigation</i> , 2008, 118, 1553-1562.	8.2	210
35	Antimicrobial Drug Resistance of <i>Salmonella enterica</i> Serovar Typhi in Asia and Molecular Mechanism of Reduced Susceptibility to the Fluoroquinolones. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 4315-4323.	3.2	203
36	A Strand-Specific RNA-Seq Analysis of the Transcriptome of the Typhoid Bacillus <i>Salmonella</i> Typhi. <i>PLoS Genetics</i> , 2009, 5, e1000569.	3.5	202

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37	A lethal role for lipid A in <i>Salmonella</i> infections. <i>Molecular Microbiology</i> , 1998, 29, 571-579.	2.5	201
38	Characterization of <i>Salmonella enterica</i> Derivatives Harboring Defined <i>aroC</i> and <i>Salmonella</i> Pathogenicity Island 2 Type III Secretion System ( <i>ssaV</i> ) Mutations by Immunization of Healthy Volunteers. <i>Infection and Immunity</i> , 2002, 70, 3457-3467.	2.2	199
39	Molecular characterization of the surface layer proteins from <i>Clostridium difficile</i> . <i>Molecular Microbiology</i> , 2001, 40, 1187-1199.	2.5	177
40	Immunity to salmonellosis. <i>Immunological Reviews</i> , 2011, 240, 196-210.	6.0	175
41	Phase 2 Clinical Trial of Attenuated <i>Salmonella enterica</i> Serovar Typhi Oral Live Vector Vaccine CVD 908- htrA in U.S. Volunteers. <i>Infection and Immunity</i> , 2000, 68, 1196-1201.	2.2	174
42	Molecular and Phenotypic Analysis of the CS54 Island of <i>Salmonella enterica</i> Serotype Typhimurium: Identification of Intestinal Colonization and Persistence Determinants. <i>Infection and Immunity</i> , 2003, 71, 629-640.	2.2	167
43	<i>Salmonella enterica</i> Serovar Typhi Possesses a Unique Repertoire of Fimbrial Gene Sequences. <i>Infection and Immunity</i> , 2001, 69, 2894-2901.	2.2	166
44	Pseudogene accumulation in the evolutionary histories of <i>Salmonella enterica</i> serovars Paratyphi A and Typhi. <i>BMC Genomics</i> , 2009, 10, 36.	2.8	161
45	Evaluation of <i>Salmonella typhimurium</i> strains harbouring defined mutations in <i>htrA</i> and <i>aroA</i> in the murine salmonellosis model. <i>Microbial Pathogenesis</i> , 1992, 12, 145-151.	2.9	154
46	The porin <i>OmpD</i> from nontyphoidal <i>Salmonella</i> is a key target for a protective B1b cell antibody response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 9803-9808.	7.1	153
47	Chronic bacterial infections: living with unwanted guests. <i>Nature Immunology</i> , 2002, 3, 1026-1032.	14.5	150
48	Dysregulated Humoral Immunity to Nontyphoidal <i>Salmonella</i> in HIV-Infected African Adults. <i>Science</i> , 2010, 328, 508-512.	12.6	149
49	An extended genotyping framework for <i>Salmonella enterica</i> serovar Typhi, the cause of human typhoid. <i>Nature Communications</i> , 2016, 7, 12827.	12.8	145
50	Composition, Acquisition, and Distribution of the Vi Exopolysaccharide-Encoding <i>Salmonella enterica</i> Pathogenicity Island SPI-7. <i>Journal of Bacteriology</i> , 2003, 185, 5055-5065.	2.2	142
51	Bacterial copper and zinc cofactored superoxide dismutase contributes to the pathogenesis of systemic salmonellosis. <i>Molecular Microbiology</i> , 1997, 25, 785-796.	2.5	137
52	Typhoid in Kenya Is Associated with a Dominant Multidrug-Resistant <i>Salmonella enterica</i> Serovar Typhi Haplotype That Is Also Widespread in Southeast Asia. <i>Journal of Clinical Microbiology</i> , 2010, 48, 2171-2176.	3.9	133
53	Integrated view of <i>Vibrio cholerae</i> in the Americas. <i>Science</i> , 2017, 358, 789-793.	12.6	128
54	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

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55	Global and regional dissemination and evolution of <i>Burkholderia pseudomallei</i> . <i>Nature Microbiology</i> , 2017, 2, 16263.	13.3	124
56	Transient Darwinian selection in <i>Salmonella enterica</i> serovar Paratyphi A during 450 years of global spread of enteric fever. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12199-12204.	7.1	122
57	DNA methylation defines regional identity of human intestinal epithelial organoids and undergoes dynamic changes during development. <i>Gut</i> , 2019, 68, 49-61.	12.1	116
58	Emergence of a Globally Dominant IncHI1 Plasmid Type Associated with Multiple Drug Resistant Typhoid. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1245.	3.0	114
59	Combined high-resolution genotyping and geospatial analysis reveals modes of endemic urban typhoid fever transmission. <i>Open Biology</i> , 2011, 1, 110008.	3.6	112
60	Mitochondrial Protein Lipoylation and the 2-Oxoglutarate Dehydrogenase Complex Controls HIF1 $\alpha$ Stability in Aerobic Conditions. <i>Cell Metabolism</i> , 2016, 24, 740-752.	16.2	112
61	The Role of Prophage-like Elements in the Diversity of <i>Salmonella enterica</i> Serovars. <i>Journal of Molecular Biology</i> , 2004, 339, 279-300.	4.2	111
62	A novel ciprofloxacin-resistant subclade of H58 <i>Salmonella</i> Typhi is associated with fluoroquinolone treatment failure. <i>ELife</i> , 2016, 5, e14003.	6.0	111
63	The molecular mechanisms of severe typhoid fever. <i>Trends in Microbiology</i> , 2001, 9, 316-320.	7.7	109
64	The phylogeography and incidence of multi-drug resistant typhoid fever in sub-Saharan Africa. <i>Nature Communications</i> , 2018, 9, 5094.	12.8	98
65	Antibiotic Resistance and Typhoid. <i>Clinical Infectious Diseases</i> , 2019, 68, S165-S170.	5.8	98
66	Genes of the Class II and Class III Major Histocompatibility Complex Are Associated with Typhoid Fever in Vietnam. <i>Journal of Infectious Diseases</i> , 2001, 183, 261-268.	4.0	95
67	Transcriptional profiling of macrophages derived from monocytes and iPS cells identifies a conserved response to LPS and novel alternative transcription. <i>Scientific Reports</i> , 2015, 5, 12524.	3.3	94
68	Characterisation of an acapsular mutant of <i>Burkholderia pseudomallei</i> identified by signature tagged mutagenesis. <i>Journal of Medical Microbiology</i> , 2002, 51, 539-553.	1.8	93
69	Susceptibility to <i>Salmonella typhimurium</i> Infection and Effectiveness of Vaccination in Mice Deficient in the Tumor Necrosis Factor Alpha p55 Receptor. <i>Infection and Immunity</i> , 1998, 66, 3355-3364.	2.2	91
70	Comparison of numerous delivery systems for the induction of cytotoxic T lymphocytes by immunization. <i>European Journal of Immunology</i> , 1996, 26, 1951-1959.	2.9	89
71	Searching for the elusive typhoid diagnostic. <i>BMC Infectious Diseases</i> , 2010, 10, 45.	2.9	89
72	Emergence of host-adapted <i>Salmonella</i> Enteritidis through rapid evolution in an immunocompromised host. <i>Nature Microbiology</i> , 2016, 1, .	13.3	86

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73	Stable expression of foreign antigens from the chromosome of <i>Salmonella typhimurium</i> vaccine strains. <i>Gene</i> , 1990, 88, 57-63.	2.2	85
74	Coiled-coil domains in proteins secreted by type III secretion systems. <i>Molecular Microbiology</i> , 1997, 25, 423-425.	2.5	84
75	Variation in <i>Salmonella enterica</i> Serovar Typhi IncHII Plasmids during the Global Spread of Resistant Typhoid Fever. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 716-727.	3.2	81
76	A Clinical, Microbiological, and Pathological Study of Intestinal Perforation Associated with Typhoid Fever. <i>Clinical Infectious Diseases</i> , 2004, 39, 61-67.	5.8	79
77	Transcriptional response in the peripheral blood of patients infected with <i>Salmonella enterica</i> serovar Typhi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22433-22438.	7.1	76
78	The <i>rpoS</i> -dependent starvation-stress response locus <i>stiA</i> encodes a nitrate reductase ( <i>narZYWW</i> ) required for carbon-starvation-inducible thermotolerance and acid tolerance in <i>Salmonella typhimurium</i> . <i>Microbiology (United Kingdom)</i> , 1999, 145, 3035-3045.	1.8	74
79	Laboratory and molecular surveillance of paediatric typhoidal <i>Salmonella</i> in Nepal: Antimicrobial resistance and implications for vaccine policy. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006408.	3.0	70
80	Genetically Detoxified Mutants of Heat-Labile Toxin from <i>Escherichia coli</i> Are Able To Act as Oral Adjuvants. <i>Infection and Immunity</i> , 1999, 67, 4400-4406.	2.2	70
81	High-Throughput Genotyping of <i>Salmonella enterica</i> Serovar Typhi Allowing Geographical Assignment of Haplotypes and Pathotypes within an Urban District of Jakarta, Indonesia. <i>Journal of Clinical Microbiology</i> , 2008, 46, 1741-1746.	3.9	69
82	<i>Citrobacter rodentium</i> Subverts ATP Flux and Cholesterol Homeostasis in Intestinal Epithelial Cells In Vivo. <i>Cell Metabolism</i> , 2017, 26, 738-752.e6.	16.2	67
83	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
84	Emergence of dominant multidrug-resistant bacterial clades: Lessons from history and whole-genome sequencing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12872-12877.	7.1	67
85	A Novel Linear Plasmid Mediates Flagellar Variation in <i>Salmonella Typhi</i> . <i>PLoS Pathogens</i> , 2007, 3, e59.	4.7	64
86	The medium-/long-chain fatty acyl-CoA dehydrogenase ( <i>fadF</i> ) gene of <i>Salmonella typhimurium</i> is a phase 1 starvation-stress response (SSR) locus. <i>Microbiology (United Kingdom)</i> , 1999, 145, 15-31.	1.8	62
87	Construction and characterisation of a <i>Yersinia enterocolitica</i> O:8ompR mutant. <i>FEMS Microbiology Letters</i> , 1998, 165, 145-151.	1.8	61
88	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
89	Advances in Understanding Bacterial Pathogenesis Gained from Whole-Genome Sequencing and Phylogenetics. <i>Cell Host and Microbe</i> , 2016, 19, 599-610.	11.0	60
90	Prophage Sequences Defining Hot Spots of Genome Variation in <i>Salmonella enterica</i> Serovar Typhimurium Can Be Used To Discriminate between Field Isolates. <i>Journal of Clinical Microbiology</i> , 2007, 45, 2590-2598.	3.9	59

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91	A Phylogenetic and Phenotypic Analysis of <i>Salmonella enterica</i> Serovar Weltevreden, an Emerging Agent of Diarrheal Disease in Tropical Regions. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004446.	3.0	59
92	Evaluation of <i>Salmonella typhimurium</i> Mutants in a Model of Experimental Gastroenteritis. <i>Infection and Immunity</i> , 1999, 67, 2815-2821.	2.2	58
93	Generation of <i>Escherichia coli</i> intimin derivatives with differing biological activities using site-directed mutagenesis of the intimin C-terminus domain. <i>Molecular Microbiology</i> , 1998, 29, 559-570.	2.5	57
94	Role of hns in the virulence phenotype of pathogenic salmonellae. <i>Molecular Microbiology</i> , 1994, 13, 133-140.	2.5	56
95	A global resource for genomic predictions of antimicrobial resistance and surveillance of <i>Salmonella</i> Typhi at pathogenwatch. <i>Nature Communications</i> , 2021, 12, 2879.	12.8	56
96	The Microbiological and Clinical Characteristics of Invasive <i>Salmonella</i> in Gallbladders from Cholecystectomy Patients in Kathmandu, Nepal. <i>PLoS ONE</i> , 2012, 7, e47342.	2.5	56
97	Emergence of a New Epidemic <i>Neisseria meningitidis</i> Serogroup A Clone in the African Meningitis Belt: High-Resolution Picture of Genomic Changes That Mediate Immune Evasion. <i>MBio</i> , 2014, 5, e01974-14.	4.1	51
98	Loss of IL-10 signaling in macrophages limits bacterial killing driven by prostaglandin E2. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	51
99	Characterization of Candidate Live Oral <i>Salmonella typhi</i> Vaccine Strains Harboring Defined Mutations in <i>aroA</i> , <i>aroC</i> , and <i>htrA</i> . <i>Infection and Immunity</i> , 1999, 67, 700-707.	2.2	51
100	Interaction of <i>Salmonella enterica</i> serovar Typhi with cultured epithelial cells: roles of surface structures in adhesion and invasion. <i>Microbiology (United Kingdom)</i> , 2008, 154, 1914-1926.	1.8	50
101	Activation of <i>Salmonella</i> Typhi-Specific Regulatory T Cells in Typhoid Disease in a Wild-Type <i>S. Typhi</i> Challenge Model. <i>PLoS Pathogens</i> , 2015, 11, e1004914.	4.7	50
102	Exploiting induced pluripotent stem cell-derived macrophages to unravel host factors influencing <i>Chlamydia trachomatis</i> pathogenesis. <i>Nature Communications</i> , 2017, 8, 15013.	12.8	50
103	Eros is a novel transmembrane protein that controls the phagocyte respiratory burst and is essential for innate immunity. <i>Journal of Experimental Medicine</i> , 2017, 214, 1111-1128.	8.5	50
104	Molecular Typing of Multiple-Antibiotic-Resistant <i>Salmonella enterica</i> Serovar Typhi from Vietnam: Application to Acute and Relapse Cases of Typhoid Fever. <i>Journal of Clinical Microbiology</i> , 1999, 37, 2466-2472.	3.9	50
105	<i>Salmonella typhi</i> and <i>S. typhimurium</i> derivatives harbouring deletions in aromatic biosynthesis and <i>Salmonella</i> Pathogenicity Island-2 (SPI-2) genes as vaccines and vectors. <i>Vaccine</i> , 2003, 21, 538-548.	3.8	49
106	Analysis of the Hypervariable Region of the <i>Salmonella enterica</i> Genome Associated with tRNA leuX. <i>Journal of Bacteriology</i> , 2005, 187, 2469-2482.	2.2	49
107	Temporal Fluctuation of Multidrug Resistant <i>Salmonella</i> Typhi Haplotypes in the Mekong River Delta Region of Vietnam. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e929.	3.0	47
108	Induced Pluripotent Stem Cell Derived Macrophages as a Cellular System to Study <i>Salmonella</i> and Other Pathogens. <i>PLoS ONE</i> , 2015, 10, e0124307.	2.5	45

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109	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
110	Epidemic Typhoid in Vietnam: Molecular Typing of Multiple-Antibiotic-Resistant <i>Salmonella enterica</i> Serotype Typhi from Four Outbreaks. <i>Journal of Clinical Microbiology</i> , 2000, 38, 895-897.	3.9	44
111	FAMIN Is a Multifunctional Purine Enzyme Enabling the Purine Nucleotide Cycle. <i>Cell</i> , 2020, 180, 278-295.e23.	28.9	42
112	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
113	A <i>Salmonella</i> Typhimurium-Typhi Genomic Chimera: A Model to Study Vi Polysaccharide Capsule Function In Vivo. <i>PLoS Pathogens</i> , 2011, 7, e1002131.	4.7	41
114	The Molecular and Spatial Epidemiology of Typhoid Fever in Rural Cambodia. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004785.	3.0	40
115	High relatedness of invasive multi-drug resistant non-typhoidal <i>Salmonella</i> genotypes among patients and asymptomatic carriers in endemic informal settlements in Kenya. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008440.	3.0	40
116	Effective control of SARS-CoV-2 transmission between healthcare workers during a period of diminished community prevalence of COVID-19. <i>ELife</i> , 2020, 9, .	6.0	40
117	Homocysteine modification of HLA antigens and its immunological consequences. <i>European Journal of Immunology</i> , 1996, 26, 1443-1450.	2.9	39
118	Typhoid Fever and Genetic Polymorphisms at the Natural Resistance-Associated Macrophage Protein 1. <i>Journal of Infectious Diseases</i> , 2001, 183, 1156-1160.	4.0	39
119	Live bacteria as the basis for immunotherapies against cancer. <i>Expert Review of Vaccines</i> , 2002, 1, 495-505.	4.4	39
120	Intimin from enteropathogenic <i>Escherichia coli</i> mediates remodelling of the eukaryotic cell surface. <i>Microbiology (United Kingdom)</i> , 2000, 146, 1333-1344.	1.8	39
121	A Randomised Trial Evaluating the Safety and Immunogenicity of the Novel Single Oral Dose Typhoid Vaccine M01ZH09 in Healthy Vietnamese Children. <i>PLoS ONE</i> , 2010, 5, e11778.	2.5	38
122	The international and intercontinental spread and expansion of antimicrobial-resistant <i>Salmonella</i> Typhi: a genomic epidemiology study. <i>Lancet Microbe</i> , The, 2022, 3, e567-e577.	7.3	38
123	Genomic Epidemiology of <i>Vibrio cholerae</i> O1 Associated with Floods, Pakistan, 2010. <i>Emerging Infectious Diseases</i> , 2014, 20, 13-20.	4.3	37
124	Comparison of <i>Salmonella enterica</i> Serovars Typhi and Typhimurium Reveals Typhoidal Serovar-Specific Responses to Bile. <i>Infection and Immunity</i> , 2018, 86, .	2.2	37
125	Site-directed mutagenesis of intimin $\pm$ modulates intimin-mediated tissue tropism and host specificity. <i>Molecular Microbiology</i> , 2001, 40, 86-98.	2.5	36
126	A Study on the Geophylogeny of Clinical and Environmental <i>Vibrio cholerae</i> in Kenya. <i>PLoS ONE</i> , 2013, 8, e74829.	2.5	33

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127	Interleukin-22 promotes phagolysosomal fusion to induce protection against <i>Salmonella enterica</i> Typhimurium in human epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10118-10123.	7.1	33
128	Persistent circulation of a fluoroquinolone-resistant <i>Salmonella enterica</i> Typhi clone in the Indian subcontinent. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 75, 337-341.	3.0	33
129	Estimating the effect of vaccination on antimicrobial-resistant typhoid fever in 73 countries supported by Gavi: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2022, 22, 679-691.	9.1	32
130	Genomic Epidemiology of <i>Vibrio cholerae</i> O1 Associated with Floods, Pakistan, 2010. <i>Emerging Infectious Diseases</i> , 2014, 20, 13-20.	4.3	31
131	<i>Salmonella enterica</i> serovar Typhimurium interaction with dendritic cells: impact of the <i>sifA</i> gene. <i>Cellular Microbiology</i> , 2004, 6, 1071-1084.	2.1	30
132	Population structure and antimicrobial resistance patterns of <i>Salmonella</i> Typhi isolates in urban Dhaka, Bangladesh from 2004 to 2016. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008036.	3.0	30
133	Genomic analysis on broiler-associated <i>Clostridium perfringens</i> strains and exploratory caecal microbiome investigation reveals key factors linked to poultry necrotic enteritis. <i>Animal Microbiome</i> , 2019, 1, 12.	3.8	29
134	Multiple introductions of multidrug-resistant typhoid associated with acute infection and asymptomatic carriage, Kenya. <i>ELife</i> , 2021, 10, .	6.0	29
135	Refocusing of B-cell responses following a single amino acid substitution in an antigen. <i>Immunology</i> , 2001, 103, 172-178.	4.4	28
136	Mechanistic Insights into the Capsule-Targeting Depolymerase from a <i>Klebsiella pneumoniae</i> Bacteriophage. <i>Microbiology Spectrum</i> , 2021, 9, e0102321.	3.0	28
137	A Genomewide Mutagenesis Screen Identifies Multiple Genes Contributing to Vi Capsular Expression in <i>Salmonella enterica</i> Serovar Typhi. <i>Journal of Bacteriology</i> , 2013, 195, 1320-1326.	2.2	27
138	Clonal analysis of <i>Salmonella</i> -specific effector T cells reveals serovar-specific and cross-reactive T cell responses. <i>Nature Immunology</i> , 2018, 19, 742-754.	14.5	27
139	Genomic epidemiology of SARS-CoV-2 in a UK university identifies dynamics of transmission. <i>Nature Communications</i> , 2022, 13, 751.	12.8	27
140	Early responses to <i>Salmonella typhimurium</i> infection in mice occur at focal lesions in infected organs. <i>Microbial Pathogenesis</i> , 2001, 30, 29-38.	2.9	25
141	Multidrug-resistant Nontyphoidal <i>Salmonella</i> Hotspots as Targets for Vaccine Use in Management of Infections in Endemic Settings. <i>Clinical Infectious Diseases</i> , 2019, 68, S10-S15.	5.8	25
142	Exclusive dependence of IL-10 signalling on intestinal microbiota homeostasis and control of whipworm infection. <i>PLoS Pathogens</i> , 2019, 15, e1007265.	4.7	24
143	Retrospective Analysis of Serotype Switching of <i>Vibrio cholerae</i> O1 in a Cholera Endemic Region Shows It Is a Non-random Process. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005044.	3.0	23
144	An evaluation of purified <i>Salmonella</i> Typhi protein antigens for the serological diagnosis of acute typhoid fever. <i>Journal of Infection</i> , 2017, 75, 104-114.	3.3	23

#	ARTICLE	IF	CITATIONS
145	A purine metabolic checkpoint that prevents autoimmunity and autoinflammation. <i>Cell Metabolism</i> , 2022, 34, 106-124.e10.	16.2	23
146	Use of the stationary phase inducible promoters, <i>spv</i> and <i>dps</i> , to drive heterologous antigen expression in <i>Salmonella</i> vaccine strains. <i>Vaccine</i> , 2000, 18, 1298-1306.	3.8	22
147	Cytokine Release by Lipopolysaccharide- <i>Stimulated</i> Whole Blood from Patients with Typhoid Fever. <i>Journal of Infectious Diseases</i> , 2002, 186, 240-245.	4.0	22
148	Meeting the discovery challenge of drug-resistant infections: progress and focusing resources. <i>Drug Discovery Today</i> , 2019, 24, 452-461.	6.4	22
149	Spatiotemporal persistence of multiple, diverse clades and toxins of <i>Corynebacterium diphtheriae</i> . <i>Nature Communications</i> , 2021, 12, 1500.	12.8	22
150	A linear plasmid truncation induces unidirectional flagellar phase change in H: <i>z</i> 66 positive <i>Salmonella</i> Typhi. <i>Molecular Microbiology</i> , 2007, 66, 1207-1218.	2.5	21
151	High-Resolution Genotyping of the Endemic <i>Salmonella</i> Typhi Population during a Vi (Typhoid) Vaccination Trial in Kolkata. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1490.	3.0	21
152	The Population Structure of <i>Vibrio cholerae</i> from the Chandigarh Region of Northern India. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2981.	3.0	21
153	The Rab32/BLOC-3-dependent pathway mediates host defense against different pathogens in human macrophages. <i>Science Advances</i> , 2021, 7, .	10.3	21
154	Phylogenetic Analysis Indicates a Longer Term Presence of the Globally Distributed H58 Haplotype of <i>Salmonella</i> Typhi in Southern India. <i>Clinical Infectious Diseases</i> , 2020, 71, 1856-1863.	5.8	21
155	Vaccines against human enteric bacterial pathogens. <i>British Medical Bulletin</i> , 2002, 62, 113-123.	6.9	20
156	Expression of heterologous antigens in <i>Salmonella</i> Typhimurium vaccine vectors using the in vivo-inducible, SPI-2 promoter, <i>ssaG</i> . <i>Vaccine</i> , 2004, 22, 3243-3255.	3.8	20
157	Discovery of <i>Salmonella</i> trehalose phospholipids reveals functional convergence with mycobacteria. <i>Journal of Experimental Medicine</i> , 2019, 216, 757-771.	8.5	20
158	Gallbladder carriage generates genetic variation and genome degradation in <i>Salmonella</i> Typhi. <i>PLoS Pathogens</i> , 2020, 16, e1008998.	4.7	20
159	IRF5 Promotes Influenza Virus-Induced Inflammatory Responses in Human Induced Pluripotent Stem Cell-Derived Myeloid Cells and Murine Models. <i>Journal of Virology</i> , 2020, 94, .	3.4	20
160	Genomic epidemiology of COVID-19 in care homes in the east of England. <i>ELife</i> , 2021, 10, .	6.0	20
161	A TNF region haplotype offers protection from typhoid fever in Vietnamese patients. <i>Human Genetics</i> , 2007, 122, 51-61.	3.8	19
162	Genetic variation associated with infection and the environment in the accidental pathogen <i>Burkholderia pseudomallei</i> . <i>Communications Biology</i> , 2019, 2, 428.	4.4	19

#	ARTICLE	IF	CITATIONS
163	Tenacious Endemic Typhoid Fever in Samoa. <i>Clinical Infectious Diseases</i> , 2020, 71, S120-S126.	5.8	19
164	An iPSC-Derived Myeloid Lineage Model of Herpes Virus Latency and Reactivation. <i>Frontiers in Microbiology</i> , 2019, 10, 2233.	3.5	18
165	Susceptibility of calves to challenge with <i>Salmonella typhimurium</i> 4/74 and derivatives harbouring mutations in <i>htrA</i> or <i>purE</i> . <i>Microbiology (United Kingdom)</i> , 2000, 146, 2775-2783.	1.8	18
166	Factors associated with occurrence of salmonellosis among children living in Mukuru slum, an urban informal settlement in Kenya. <i>BMC Infectious Diseases</i> , 2020, 20, 422.	2.9	16
167	The genomic epidemiology of multi-drug resistant invasive non-typhoidal <i>Salmonella</i> in selected sub-Saharan African countries. <i>BMJ Global Health</i> , 2021, 6, e005659.	4.7	16
168	Phylogenomic analysis of gastroenteritis-associated <i>Clostridium perfringens</i> in England and Wales over a 7-year period indicates distribution of clonal toxigenic strains in multiple outbreaks and extensive involvement of enterotoxin-encoding (CPE) plasmids. <i>Microbial Genomics</i> , 2019, 5, .	2.0	16
169	Diagnostic host gene signature for distinguishing enteric fever from other febrile diseases. <i>EMBO Molecular Medicine</i> , 2019, 11, e10431.	6.9	15
170	<i>Edwardsiella tarda</i> induces plasma membrane ruffles on infection of HEP-2 cells. <i>FEMS Microbiology Letters</i> , 1998, 161, 317-323.	1.8	14
171	Acquisition of virulence-associated factors by the enteric pathogens <i>Escherichia coli</i> and <i>Salmonella enterica</i> . <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 1027-1034.	4.0	14
172	A Biohistorical Perspective of Typhoid and Antimicrobial Resistance. <i>Clinical Infectious Diseases</i> , 2019, 69, S388-S394.	5.8	14
173	Molecular epidemiology and intercontinental spread of cholera. <i>Vaccine</i> , 2020, 38, A46-A51.	3.8	14
174	Complete Genome Sequence of Serotype III <i>Streptococcus agalactiae</i> Sequence Type 17 Strain 874391. <i>Genome Announcements</i> , 2017, 5, .	0.8	12
175	Genomics of the Argentinian cholera epidemic elucidate the contrasting dynamics of epidemic and endemic <i>Vibrio cholerae</i> . <i>Nature Communications</i> , 2020, 11, 4918.	12.8	12
176	Long-read-sequenced reference genomes of the seven major lineages of enterotoxigenic <i>Escherichia coli</i> (ETEC) circulating in modern time. <i>Scientific Reports</i> , 2021, 11, 9256.	3.3	12
177	Derivation of Intestinal Organoids from Human Induced Pluripotent Stem Cells for Use as an Infection System. <i>Methods in Molecular Biology</i> , 2016, 1576, 157-169.	0.9	11
178	Determining the Best Immunization Strategy for Protecting African Children Against Invasive <i>Salmonella</i> Disease. <i>Clinical Infectious Diseases</i> , 2018, 67, 1824-1830.	5.8	11
179	Genome-Wide Epigenetic and Transcriptomic Characterization of Human-Induced Pluripotent Stem Cell-Derived Intestinal Epithelial Organoids. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 285-288.	4.5	11
180	Heterologous expression of the cuticular glutathione peroxidase of lymphatic filariae in an attenuated vaccine strain of <i>Salmonella typhimurium</i> abrogates H-2 restriction of specific antibody responses. <i>Parasite Immunology</i> , 1996, 18, 307-316.	1.5	10

#	ARTICLE	IF	CITATIONS
181	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
182	Identification of novel adenovirus genotype 90 in children from Bangladesh. <i>Microbial Genomics</i> , 2018, 4, .	2.0	10
183	Interaction of Salmonella Typhimurium with Dendritic Cells Derived from Pluripotent Embryonic Stem Cells. <i>PLoS ONE</i> , 2012, 7, e52232.	2.5	10
184	Microbiome Profiling of Enterotoxigenic Escherichia coli (ETEC) Carriers Highlights Signature Differences between Symptomatic and Asymptomatic Individuals. <i>MBio</i> , 2022, 13, e0015722.	4.1	10
185	Protective Effect of Supplemental Superoxide Dismutase on Survival of Neuronal Cells During Starvation: Requirement for Cytosolic Distribution. <i>Journal of Molecular Neuroscience</i> , 2000, 14, 155-166.	2.3	9
186	How bacteria and their products provide clues to vaccine and adjuvant development. <i>Vaccine</i> , 2006, 24, S13-S19.	3.8	9
187	Using Human Induced Pluripotent Stem Cell-derived Intestinal Organoids to Study and Modify Epithelial Cell Protection Against &em&gt;Salmonella&lt;/em&gt; and Other Pathogens. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	9
188	A novel therapeutic antibody screening method using bacterial high-content imaging reveals functional antibody binding phenotypes of Escherichia coli ST131. <i>Scientific Reports</i> , 2020, 10, 12414.	3.3	9
189	A blueprint for the implementation of a validated approach for the detection of SARS-Cov2 in clinical samples in academic facilities. <i>Wellcome Open Research</i> , 2020, 5, 110.	1.8	9
190	Sequential assignment of the triple labelled 30.1 kDa cell-adhesion domain of intimin from enteropathogenic E. coli. <i>Journal of Biomolecular NMR</i> , 1998, 12, 189-191.	2.8	8
191	Infection Susceptibility in Gastric Intrinsic Factor (Vitamin B <sub>12</sub>)-Defective Mice Is Subject to Maternal Influences. <i>MBio</i> , 2016, 7, .	4.1	8
192	A Bayesian approach for estimating typhoid fever incidence from large-scale facility-based passive surveillance data. <i>Statistics in Medicine</i> , 2021, 40, 5853-5870.	1.6	8
193	Evaluation of the intranasal challenge route in mice as a mucosal model for Candida albicans infection. <i>Microbiology (United Kingdom)</i> , 1998, 144, 2291-2298.	1.8	8
194	FBXO7 sensitivity of phenotypic traits elucidated by a hypomorphic allele. <i>PLoS ONE</i> , 2019, 14, e0212481.	2.5	7
195	Whole genome sequence analysis of Salmonella Typhi in Papua New Guinea reveals an established population of genotype 2.1.7 sensitive to antimicrobials. <i>PLoS Neglected Tropical Diseases</i> , 2022, 16, e0010306.	3.0	6
196	The immune responses to bacterial antigens encountered in vivo at mucosal surfaces. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2000, 355, 705-712.	4.0	5
197	Using a Systems Biology Approach To Study Host-Pathogen Interactions. <i>Microbiology Spectrum</i> , 2019, 7, .	3.0	5
198	A blueprint for the implementation of a validated approach for the detection of SARS-Cov2 in clinical samples in academic facilities. <i>Wellcome Open Research</i> , 2020, 5, 110.	1.8	5

#	ARTICLE	IF	CITATIONS
199	Innovative vaccine approaches—a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2022, 1511, 59-86.	3.8	5
200	Phenotypic whole-cell screening identifies a protective carbohydrate epitope on <i>Klebsiella pneumoniae</i> . <i>MAbs</i> , 2022, 14, 2006123.	5.2	5
201	Typhoid in Africa and vaccine deployment. <i>The Lancet Global Health</i> , 2017, 5, e236-e237.	6.3	4
202	Evaluation of Typhoid Conjugate Vaccine Effectiveness in Ghana (TyVEGHA) Using a Cluster-Randomized Controlled Phase IV Trial: Trial Design and Population Baseline Characteristics. <i>Vaccines</i> , 2021, 9, 281.	4.4	4
203	Wave 2 strains of atypical <i>Vibrio cholerae</i> El Tor caused the 2009–2011 cholera outbreak in Papua New Guinea. <i>Microbial Genomics</i> , 2019, 5, .	2.0	4
204	Protection conferred by typhoid fever against recurrent typhoid fever in urban Kolkata. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008530.	3.0	2
205	Functional analysis of colonization factor antigen I positive enterotoxigenic <i>Escherichia coli</i> identifies genes implicated in survival in water and host colonization. <i>Microbial Genomics</i> , 2021, 7, .	2.0	2
206	Genetics as a Route toward Mucosal Vaccine Development. , 0, , 491-506.		2
207	Phylogenetic and antimicrobial drug resistance analysis of <i>Vibrio cholerae</i> O1 isolates from Ghana. <i>Microbial Genomics</i> , 2021, 7, .	2.0	2
208	Rapid Mapping of Cloned DNA Fragments on the <i>Salmonella</i> Chromosome. <i>BioTechniques</i> , 1996, 21, 1016-1022.	1.8	1
209	Make it new: reformism and British public health. <i>Lancet Microbe</i> , The, 2020, 1, e231-e232.	7.3	1
210	O07—FXR antagonists as new agents for COVID19. , 2021, , .		1
211	Expression of LacZ from the <i>htrA</i> , <i>nirB</i> and <i>groE</i> promoters in a <i>Salmonella</i> vaccine strain: Influence of growth in mammalian cells. <i>FEMS Microbiology Letters</i> , 1995, 126, 97-101.	1.8	1
212	Construction and characterisation of a <i>Yersinia enterocolitica</i> O:8 <i>ompR</i> mutant. <i>FEMS Microbiology Letters</i> , 1998, 165, 145-151.	1.8	1
213	Pathogen genomic surveillance of typhoidal <i>Salmonella</i> infection in adults and children reveals no association between clinical outcomes and infecting genotypes. <i>Tropical Medicine and Health</i> , 2020, 48, 58.	2.8	0
214	THE IMMUNE RESPONSES TO BACTERIAL ANTIGENS ENCOUNTERED <i>IN VIVO</i> AT MUCOSAL SURFACES. , 2001, , .		0
215	Using a Systems Biology Approach To Study Host-Pathogen Interactions. , 0, , 337-347.		0