Stephen B Calderwood

List of Publications by Year
in descending order

91	4,935	109321 35	106344 65
papers	citations	h-index	g-index

98	98	98	6191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Persistence and decay of human antibody responses to the receptor binding domain of SARS-CoV-2 spike protein in COVID-19 patients. Science Immunology, 2020, 5, .	11.9	561
2	Cholera. Lancet, The, 2012, 379, 2466-2476.	13.7	527
3	Cholera transmission: the host, pathogen and bacteriophage dynamic. Nature Reviews Microbiology, 2009, 7, 693-702.	28.6	496
4	Susceptibility to Vibrio cholerae Infection in a Cohort of Household Contacts of Patients with Cholera in Bangladesh. PLoS Neglected Tropical Diseases, 2008, 2, e221.	3.0	196
5	Gut Microbial Succession Follows Acute Secretory Diarrhea in Humans. MBio, 2015, 6, e00381-15.	4.1	150
6	Clinical Outcomes in Household Contacts of Patients with Cholera in Bangladesh. Clinical Infectious Diseases, 2009, 49, 1473-1479.	5.8	144
7	Phase variation in tcpH modulates expression of the ToxR regulon in Vibrio cholerae. Molecular Microbiology, 1997, 25, 1099-1111.	2.5	132
8	Antigen-Specific Memory B-Cell Responses to Vibrio cholerae O1 Infection in Bangladesh. Infection and Immunity, 2009, 77, 3850-3856.	2.2	110
9	Incomplete Correlation of Serum Vibriocidal Antibody Titer with Protection fromVibrio choleraeInfection in Urban Bangladesh. Journal of Infectious Diseases, 2004, 189, 2318-2322.	4.0	93
10	Antigen-Specific Immunoglobulin A Antibodies Secreted from Circulating B Cells Are an Effective Marker for Recent Local Immune Responses in Patients with Cholera: Comparison to Antibody-Secreting Cell Responses and Other Immunological Markers. Infection and Immunity, 2003, 71, 4808-4814.	2.2	79
11	Circulating Mucosal Associated Invariant T Cells Are Activated in Vibrio cholerae O1 Infection and Associated with Lipopolysaccharide Antibody Responses. PLoS Neglected Tropical Diseases, 2014, 8, e3076.	3.0	78
12	Natural Selection in a Bangladeshi Population from the Cholera-Endemic Ganges River Delta. Science Translational Medicine, 2013, 5, 192ra86.	12.4	77
13	Memory B Cell Responses to Vibrio cholerae O1 Lipopolysaccharide Are Associated with Protection against Infection from Household Contacts of Patients with Cholera in Bangladesh. Vaccine Journal, 2012, 19, 842-848.	3.1	75
14	Antigen-Specific Memory B-Cell Responses in Bangladeshi Adults after One- or Two-Dose Oral Killed Cholera Vaccination and Comparison with Responses in Patients with Naturally Acquired Cholera. Vaccine Journal, 2011, 18, 844-850.	3.1	71
15	Comparison of Immune Responses to the O-Specific Polysaccharide and Lipopolysaccharide of Vibrio cholerae O1 in Bangladeshi Adult Patients with Cholera. Vaccine Journal, 2012, 19, 1712-1721.	3.1	69
16	Single-Cell Analysis of the Plasmablast Response to Vibrio cholerae Demonstrates Expansion of Cross-Reactive Memory B Cells. MBio, 2016, 7, .	4.1	62
17	Human Gut Microbiota Predicts Susceptibility to Vibrio cholerae Infection. Journal of Infectious Diseases, 2018, 218, 645-653.	4.0	60
18	A Cholera Conjugate Vaccine Containing O-specific Polysaccharide (OSP) of V. cholerae O1 Inaba and Recombinant Fragment of Tetanus Toxin Heavy Chain (OSP:rTTHc) Induces Serum, Memory and Lamina Proprial Responses against OSP and Is Protective in Mice. PLoS Neglected Tropical Diseases, 2015, 9, e0003881.	3.0	59

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19	Characterization of a Vibrio cholerae virulence factor homologous to the family of TonB-dependent proteins. Molecular Microbiology, 1992, 6, 2407-2418.	2.5	58
20	A globally distributed mobile genetic element inhibits natural transformation of Vibrio cholerae. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10485-10490.	7.1	58
21	Identification of an Operon Required for Ferrichrome Iron Utilization in Vibrio cholerae. Journal of Bacteriology, 2000, 182, 2350-2353.	2.2	55
22	Comparative Proteomic Analysis Reveals Activation of Mucosal Innate Immune Signaling Pathways during Cholera. Infection and Immunity, 2015, 83, 1089-1103.	2.2	55
23	Antibody responses after COVID-19 infection in patients who are mildly symptomatic or asymptomatic in Bangladesh. International Journal of Infectious Diseases, 2020, 101, 220-225.	3.3	55
24	Simple, Direct Conjugation of Bacterial O-SPâ€“Core Antigens to Proteins: Development of Cholera Conjugate Vaccines. Bioconjugate Chemistry, 2011, 22, 2179-2185.	3.6	52
25	Estimating cholera incidence with cross-sectional serology. Science Translational Medicine, 2019, 11, .	12.4	50
26	Mucosal Immunologic Responses in Cholera Patients in Bangladesh. Vaccine Journal, 2011, 18, 506-512.	3.1	49
27	Memory T-Cell Responses to Vibrio cholerae O1 Infection. Infection and Immunity, 2009, 77, 5090-5096.	2.2	46
28	Cholera Toxinâ€“Specific Memory B Cell Responses Are Induced in Patients with Dehydrating Diarrhea Caused byVibrio choleraeO1. Journal of Infectious Diseases, 2008, 198, 1055-1061.	4.0	45
29	Household Transmission of Vibrio cholerae in Bangladesh. PLoS Neglected Tropical Diseases, 2014, 8, e3314.	3.0	45
30	Immunogenicity of a Killed Bivalent (O1 and O139) Whole Cell Oral Cholera Vaccine, Shanchol, in Haiti. PLoS Neglected Tropical Diseases, 2014, 8, e2828.	3.0	45
31	Memory B Cell and Other Immune Responses in Children Receiving Two Doses of an Oral Killed Cholera Vaccine Compared to Responses following Natural Cholera Infection in Bangladesh. Vaccine Journal, 2012, 19, 690-698.	3.1	44
32	Cholera Caused by Vibrio cholerae O1 Induces T-Cell Responses in the Circulation. Infection and Immunity, 2009, 77, 1888-1893.	2.2	41
33	Bacterial Shedding in Household Contacts of Cholera Patients in Dhaka, Bangladesh. American Journal of Tropical Medicine and Hygiene, 2014, 91, 738-742.	1.4	41
34	Syntheses and Immunologic Properties of Escherichia coli O157 O-Specific Polysaccharide and Shiga Toxin 1 B Subunit Conjugates in Mice. Infection and Immunity, 1999, 67, 6191-6193.	2.2	40
35	Comparison of Memory B Cell, Antibody-Secreting Cell, and Plasma Antibody Responses in Young Children, Older Children, and Adults with Infection Caused by Vibrio cholerae O1 El Tor Ogawa in Bangladesh. Vaccine Journal, 2011, 18, 1317-1325.	3.1	38
36	Plasma and memory B cell responses targeting O-specific polysaccharide (OSP) are associated with protection against Vibrio cholerae O1 infection among household contacts of cholera patients in Bangladesh. PLoS Neglected Tropical Diseases, 2018, 12, e0006399.	3.0	38

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37	Vibrio cholerae Serogroup O139: Isolation from Cholera Patients and Asymptomatic Household Family Members in Bangladesh between 2013 and 2014. PLoS Neglected Tropical Diseases, 2015, 9, e0004183.	3.0	38
38	Defining endemic cholera at three levels of spatiotemporal resolution within Bangladesh. Nature Genetics, 2018, 50, 951-955.	21.4	37
39	Vibrio cholerae genomic diversity within and between patients. Microbial Genomics, 2017, 3, .	2.0	37
40	Use of Representational Difference Analysis To Identify Genomic Differences between Pathogenic Strains of Vibrio cholerae. Infection and Immunity, 1998, 66, 849-852.	2.2	37
41	Immune Responses to the O-Specific Polysaccharide Antigen in Children Who Received a Killed Oral Cholera Vaccine Compared to Responses following Natural Cholera Infection in Bangladesh. Vaccine Journal, 2013, 20, 780-788.	3.1	35
42	Evaluation in Mice of a Conjugate Vaccine for Cholera Made from Vibrio cholerae O1 (Ogawa) O-Specific Polysaccharide. PLoS Neglected Tropical Diseases, 2014, 8, e2683.	3.0	34
43	Vibrio cholerae O1 Infection Induces Proinflammatory CD4+T-Cell Responses in Blood and Intestinal Mucosa of Infected Humans. Vaccine Journal, 2011, 18, 1371-1377.	3.1	33
44	Antibody-Secreting Cell Responses after Vibrio cholerae O1 Infection and Oral Cholera Vaccination in Adults in Bangladesh. Vaccine Journal, 2013, 20, 1592-1598.	3.1	31
45	Immune Responses to O-Specific Polysaccharide and Lipopolysaccharide of Vibrio cholerae O1 Ogawa in Adult Bangladeshi Recipients of an Oral Killed Cholera Vaccine and Comparison to Responses in Patients with Cholera. American Journal of Tropical Medicine and Hygiene, 2014, 90, 873-881.	1.4	30
46	Development of a new dipstick (Cholkit) for rapid detection of Vibrio cholerae O1 in acute watery diarrheal stools. PLoS Neglected Tropical Diseases, 2018, 12, e0006286.	3.0	29
47	Anti-O-specific polysaccharide (OSP) immune responses following vaccination with oral cholera vaccine CVD 103-HgR correlate with protection against cholera after infection with wild-type Vibrio cholerae O1 El Tor Inaba in North American volunteers. PLoS Neglected Tropical Diseases, 2018, 12, e0006376.	3.0	28
48	Plasma Immunoglobulin A Responses Against 2SalmonellaTyphi Antigens Identify Patients With Typhoid Fever. Clinical Infectious Diseases, 2019, 68, 949-955.	5.8	28
49	Antigen-Specific Memory B-cell Responses to Enterotoxigenic Escherichia coli Infection in Bangladeshi Adults. PLoS Neglected Tropical Diseases, 2014, 8, e2822.	3.0	25
50	O-Specific Polysaccharide-Specific Memory B Cell Responses in Young Children, Older Children, and Adults Infected with Vibrio cholerae O1 Ogawa in Bangladesh. Vaccine Journal, 2016, 23, 427-435.	3.1	25
51	Predicting Vibrio cholerae Infection and Disease Severity Using Metagenomics in a Prospective Cohort Study. Journal of Infectious Diseases, 2021, 223, 342-351.	4.0	25
52	Biomarkers of Environmental Enteropathy are Positively Associated with Immune Responses to an Oral Cholera Vaccine in Bangladeshi Children. PLoS Neglected Tropical Diseases, 2016, 10, e0005039.	3.0	25
53	Typhoid Fever in Young Children in Bangladesh: Clinical Findings, Antibiotic Susceptibility Pattern and Immune Responses. PLoS Neglected Tropical Diseases, 2015, 9, e0003619.	3.0	24
54	Classical and El Tor Biotypes of Vibrio cholerae Differ in Timing of Transcription of tcpPH during Growth in Inducing Conditions. Infection and Immunity, 2000, 68, 3010-3014.	2.2	23

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55	Transcutaneous immunization with a synthetic hexasaccharide-protein conjugate induces anti-Vibrio cholerae lipopolysaccharide responses in mice. Vaccine, 2009, 27, 4917-4922.	3.8	23
56	In Vitro and In Vivo Analyses of Constitutive and In Vivo-Induced Promoters in Attenuated Vaccine and Vector Strains of Vibrio cholerae. Infection and Immunity, 2000, 68, 1171-1175.	2.2	21
57	Analysis of the Human Mucosal Response to Cholera Reveals Sustained Activation of Innate Immune Signaling Pathways. Infection and Immunity, 2018, 86, .	2.2	21
58	Plasma and Mucosal Immunoglobulin M, Immunoglobulin A, and Immunoglobulin G Responses to the Vibrio cholerae O1 Protein Immunome in Adults With Cholera in Bangladesh. Journal of Infectious Diseases, 2017, 216, 125-134.	4.0	20
59	Humans Surviving Cholera Develop Antibodies against Vibrio cholerae O-Specific Polysaccharide That Inhibit Pathogen Motility. MBio, 2020, 11, .	4.1	20
60	Disease characteristics and serological responses in patients with differing severity of COVID-19 infection: A longitudinal cohort study in Dhaka, Bangladesh. PLoS Neglected Tropical Diseases, 2022, 16, e0010102.	3.0	18
61	Vibriocidal Titer and Protection From Cholera in Children. Open Forum Infectious Diseases, 2019, 6, ofz057.	0.9	17
62	Cholera Vaccines. Journal of Travel Medicine, 2001, 8, 82-091.	3.0	16
63	The Escherichia coli O157:H7 cattle immunoproteome includes outer membrane protein A (OmpA), a modulator of adherence to bovine rectoanal junction squamous epithelial (RSE) cells. Proteomics, 2015, 15, 1829-1842.	2.2	15
64	The Live Attenuated Cholera Vaccine CVD 103-HgR Primes Responses to the Toxin-Coregulated Pilus Antigen TcpA in Subjects Challenged with Wild-Type Vibrio cholerae. Vaccine Journal, 2017, 24, .	3.1	15
65	Antibody Avidity in Humoral Immune Responses in Bangladeshi Children and Adults following Administration of an Oral Killed Cholera Vaccine. Vaccine Journal, 2013, 20, 1541-1548.	3.1	14
66	Identification, Characterization, and Functional Analysis of a Gene Encoding the Ferric Uptake Regulation Protein in Bartonella Species. Journal of Bacteriology, 2001, 183, 5751-5755.	2.2	13
67	Immune responses to O-specific polysaccharide (OSP) in North American adults infected with Vibrio cholerae O1 Inaba. PLoS Neglected Tropical Diseases, 2019, 13, e0007874.	3.0	13
68	Seroprevalence of SARS-CoV-2 antibodies in Bangladesh related to novel coronavirus infection. IJID Regions, 2022, 2, 198-203.	1.3	12
69	A magneto-DNA nanoparticle system for the rapid and sensitive diagnosis of enteric fever. Scientific Reports, 2016, 6, 32878.	3.3	11
70	Induction of systemic, mucosal and memory antibody responses targeting Vibrio cholerae O1 O-specific polysaccharide (OSP) in adults following oral vaccination with an oral killed whole cell cholera vaccine in Bangladesh. PLoS Neglected Tropical Diseases, 2019, 13, e0007634.	3.0	11
71	Evaluation of a Rapid Point-of-Care Multiplex Immunochromatographic Assay for the Diagnosis of Enteric Fever. MSphere, 2020, 5, .	2.9	11
72	Vibrio cholerae Sialidase-Specific Immune Responses Are Associated with Protection against Cholera. MSphere, 2021, 6, .	2.9	11

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73	Enumeration of Gut-Homing Î²7-Positive, Pathogen-Specific Antibody-Secreting Cells in Whole Blood from Enterotoxigenic Escherichia coli- and Vibrio cholerae-Infected Patients, Determined Using an Enzyme-Linked Immunosorbent Spot Assay Technique. Vaccine Journal, 2016, 23, 27-36.	3.1	10
74	Posttranslational Regulation of IL-23 Production Distinguishes the Innate Immune Responses to Live Toxigenic versus Heat-Inactivated Vibrio cholerae. MSphere, 2019, 4, .	2.9	10
75	Cognate T and B cell interaction and association of follicular helper T cells with B cell responses in Vibrio cholerae O1 infected Bangladeshi adults. Microbes and Infection, 2019, 21, 176-183.	1.9	9
76	Coronavirus Disease 2019 (COVID-19) Diagnostic Clinical Decision Support: A Pre-Post Implementation Study of CORAL (COvid Risk cALculator). Clinical Infectious Diseases, 2021, 73, 2248-2256.	5.8	8
77	Impact of Immunoglobulin Isotype and Epitope on the Functional Properties of Vibrio cholerae O-Specific Polysaccharide-Specific Monoclonal Antibodies. MBio, 2021, 12, .	4.1	8
78	An assessment of potential biomarkers of environment enteropathy and its association with age and microbial infections among children in Bangladesh. PLoS ONE, 2021, 16, e0250446.	2.5	7
79	Scalable production and immunogenicity of a cholera conjugate vaccine. Vaccine, 2021, 39, 6936-6946.	3.8	7
80	In Vivo Expression and Immunoadjuvancy of a Mutant of Heat-Labile Enterotoxin of Escherichia coli in Vaccine and Vector Strains of Vibrio cholerae. Infection and Immunity, 1999, 67, 1694-1701.	2.2	7
81	Cholera in pregnancy: Clinical and immunological aspects. International Journal of Infectious Diseases, 2015, 39, 20-24.	3.3	6
82	Parenteral Vaccination with a Cholera Conjugate Vaccine Boosts Vibriocidal and Anti-OSP Responses in Mice Previously Immunized with an Oral Cholera Vaccine. American Journal of Tropical Medicine and Hygiene, 2021, 104, 2024-2030.	1.4	5
83	Mucosal-Associated Invariant T (MAIT) cells are highly activated in duodenal tissue of humans with Vibrio cholerae O1 infection: A preliminary report. PLoS Neglected Tropical Diseases, 2022, 16, e0010411.	3.0	5
84	The increased severity in patients presenting to hospital with diarrhea in Dhaka, Bangladesh since the emergence of the hybrid strain of Vibrio cholerae O1 is not unique to cholera patients. International Journal of Infectious Diseases, 2015, 40, 9-14.	3.3	4
85	Measuring Success in Global Health Training: Data From 14 Years of a Postdoctoral Fellowship in Infectious Diseases and Tropical Medicine. Clinical Infectious Diseases, 2017, 64, 1768-1772.	5.8	4
86	Systemic, Mucosal, and Memory Immune Responses following Cholera. Tropical Medicine and Infectious Disease, 2021, 6, 192.	2.3	4
87	Transcutaneous Vaccination with Conjugate Typhoid Vaccine Vi-DT Induces Systemic, Mucosal, and Memory Anti-Polysaccharide Responses. American Journal of Tropical Medicine and Hygiene, 2020, 103, 1032-1038.	1.4	1
88	Assessing antigen specific HLA-DR+ antibody secreting cell (DR+ASC) responses in whole blood in enteric infections using an ELISPOT technique. Microbes and Infection, 2018, 20, 122-129.	1.9	0
89	622. Increased IgA Coating of Gut Microbes After Administration of Killed, Whole-Cell Oral Cholera Vaccine. Open Forum Infectious Diseases, 2018, 5, S227-S227.	0.9	0
90	1105. Vibriocidal Titer Variation and Likelihood of Protection in Children Compared With Adults in a Cholera Endemic Area. Open Forum Infectious Diseases, 2018, 5, S331-S331.	0.9	0

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91	Heterologous Hosts and the Evolution and Study of Fungal Pathogenesis. , 0, , 213-225.		0