

# David T Bolick

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

6,809  
citations

70961

41  
h-index

64668

79  
g-index

96  
all docs

96  
docs citations

96  
times ranked

6541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Clostridioides difficile colonization among very young children in resource-limited settings. Clinical Microbiology and Infection, 2022, 28, 996-1002.	2.8	6
2	Development of spirulina for the manufacture and oral delivery of protein therapeutics. Nature Biotechnology, 2022, 40, 956-964.	9.4	50
3	Higher Energy and Zinc Intakes from Complementary Feeding Are Associated with Decreased Risk of Undernutrition in Children from South America, Africa, and Asia. Journal of Nutrition, 2021, 151, 170-178.	1.3	7
4	Modeling Enteropathy or Diarrhea with the Top Bacterial and Protozoal Pathogens: Differential Determinants of Outcomes. ACS Infectious Diseases, 2021, 7, 1020-1031.	1.8	20
5	Investigation of a monoclonal antibody against enterotoxigenic <i>Escherichia coli</i> , expressed as secretory IgA1 and IgA2 in plants. Gut Microbes, 2021, 13, 1-14.	4.3	14
6	Detecting Glucose Fluctuations in the Campylobacter jejuni N-Glycan Structure. ACS Chemical Biology, 2021, 16, 2690-2701.	1.6	2
7	The CHO Cell Clustering Response to Pertussis Toxin: History of Its Discovery and Recent Developments in Its Use. Toxins, 2021, 13, 815.	1.5	4
8	Intervention and Mechanisms of Alanine-glutamine for Inflammation, Nutrition, and Enteropathy. Journal of Pediatric Gastroenterology and Nutrition, 2020, 71, 393-400.	0.9	3
9	A bivalent vaccine confers immunogenicity and protection against Shigella flexneri and enterotoxigenic Escherichia coli infections in mice. Npj Vaccines, 2020, 5, 30.	2.9	20
10	Enteropathogenic Escherichia coli Infection Induces Diarrhea, Intestinal Damage, Metabolic Alterations, and Increased Intestinal Permeability in a Murine Model. Frontiers in Cellular and Infection Microbiology, 2020, 10, 595266.	1.8	26
11	Understanding & ameliorating enteropathy and malnutrition in impoverished areas. EBioMedicine, 2019, 45, 7-8.	2.7	4
12	Outcomes of a Multidisciplinary Clinic in Evaluating Recurrent Clostridioides difficile Infection Patients for Fecal Microbiota Transplant: A Retrospective Cohort Analysis. Journal of Clinical Medicine, 2019, 8, 1036.	1.0	10
13	Enteric dysfunction and other factors associated with attained size at 5 years: MAL-ED birth cohort study findings. American Journal of Clinical Nutrition, 2019, 110, 131-138.	2.2	47
14	Intestinal parasitic infection alters bone marrow derived dendritic cell inflammatory cytokine production in response to bacterial endotoxin in a diet-dependent manner. PLoS Neglected Tropical Diseases, 2019, 13, e0007515.	1.3	14
15	Disentangling Microbial Mediators of Malnutrition: Modeling Environmental Enteric Dysfunction. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 692-707.	2.3	37
16	A murine model of diarrhea, growth impairment and metabolic disturbances with <i>Shigella flexneri</i> infection and the role of zinc deficiency. Gut Microbes, 2019, 10, 615-630.	4.3	36
17	Ongoing Challenges to Understanding and Interrupting Environmental Enteric Dysfunction. Journal of Pediatrics, 2019, 210, 8-9.	0.9	0
18	Alanine-glutamine Protects Against Damage Induced by Enteroaggregative <i>Escherichia coli</i> Strains in Intestinal Cells. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 190-198.	0.9	3

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19	Etiology and severity of diarrheal diseases in infants at the semiarid region of Brazil: A case-control study. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007154.	1.3	31
20	Early childhood growth and cognitive outcomes: Findings from the MAL-ED study. <i>Maternal and Child Nutrition</i> , 2018, 14, e12584.	1.4	41
21	Abundant production of exopolysaccharide by EAEC strains enhances the formation of bacterial biofilms in contaminated sprouts. <i>Gut Microbes</i> , 2018, 9, 264-278.	4.3	13
22	Innate Immune Response and Outcome of <i>Clostridium difficile</i> Infection Are Dependent on Fecal Bacterial Composition in the Aged Host. <i>Journal of Infectious Diseases</i> , 2018, 217, 188-197.	1.9	25
23	Use of quantitative molecular diagnostic methods to assess the aetiology, burden, and clinical characteristics of diarrhoea in children in low-resource settings: a reanalysis of the MAL-ED cohort study. <i>The Lancet Global Health</i> , 2018, 6, e1309-e1318.	2.9	251
24	Use of quantitative molecular diagnostic methods to investigate the effect of enteropathogen infections on linear growth in children in low-resource settings: longitudinal analysis of results from the MAL-ED cohort study. <i>The Lancet Global Health</i> , 2018, 6, e1319-e1328.	2.9	280
25	Amixicilic Reduces Severity of Cryptosporidiosis but Does Not Have In Vitro Activity against <i>Cryptosporidium</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	9
26	Modulation of Intestinal Immune and Barrier Functions by Vitamin A: Implications for Current Understanding of Malnutrition and Enteric Infections in Children. <i>Nutrients</i> , 2018, 10, 1128.	1.7	51
27	A novel mouse model of <i>Campylobacter jejuni</i> enteropathy and diarrhea. <i>PLoS Pathogens</i> , 2018, 14, e1007083.	2.1	55
28	Effect of Hypoproteic and High-Fat Diets on Hippocampal Blood-Brain Barrier Permeability and Oxidative Stress. <i>Frontiers in Nutrition</i> , 2018, 5, 131.	1.6	46
29	Measuring Success in Global Health Training: Data From 14 Years of a Postdoctoral Fellowship in Infectious Diseases and Tropical Medicine. <i>Clinical Infectious Diseases</i> , 2017, 64, 1768-1772.	2.9	4
30	Increased Urinary Trimethylamine N-Oxide Following <i>Cryptosporidium</i> Infection and Protein Malnutrition Independent of Microbiome Effects. <i>Journal of Infectious Diseases</i> , 2017, 216, 64-71.	1.9	16
31	Chronic consequences on human health induced by microbial pathogens: Growth faltering among children in developing countries. <i>Vaccine</i> , 2017, 35, 6807-6812.	1.7	39
32	Neurodevelopment, Nutrition, and Inflammation: The Evolving Global Child Health Landscape. <i>Pediatrics</i> , 2017, 139, S12-S22.	1.0	45
33	Assessment of Neurodevelopment, Nutrition, and Inflammation From Fetal Life to Adolescence in Low-Resource Settings. <i>Pediatrics</i> , 2017, 139, S23-S37.	1.0	59
34	The Burden of Enteropathy and "Subclinical" Infections. <i>Pediatric Clinics of North America</i> , 2017, 64, 815-836.	0.9	33
35	Systemic inflammation, growth factors, and linear growth in the setting of infection and malnutrition. <i>Nutrition</i> , 2017, 33, 248-253.	1.1	99
36	Determinants and Impact of <i>Giardia</i> Infection in the First 2 Years of Life in the MAL-ED Birth Cohort. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2017, 6, 153-160.	0.6	137

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37	Cross-modulation of pathogen-specific pathways enhances malnutrition during enteric co-infection with <i>Giardia lamblia</i> and enteroaggregative <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006471.	2.1	68
38	Epidemiology of enteroaggregative <i>Escherichia coli</i> infections and associated outcomes in the MAL-ED birth cohort. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005798.	1.3	58
39	Modelling stunting in LiST: the effect of applying smoothing to linear growth data. <i>BMC Public Health</i> , 2017, 17, 778.	1.2	6
40	Use of antibiotics in children younger than two years in eight countries: a prospective cohort study. <i>Bulletin of the World Health Organization</i> , 2017, 95, 49-61.	1.5	146
41	Urinary N-methylnicotinamide and $\hat{1}^2$ -aminoisobutyric acid predict catch-up growth in undernourished Brazilian children. <i>Scientific Reports</i> , 2016, 6, 19780.	1.6	56
42	Early-life enteric infections: relation between chronic systemic inflammation and poor cognition in children. <i>Nutrition Reviews</i> , 2016, 74, 374-386.	2.6	73
43	Epidemiology and Impact of <i>Campylobacter</i> Infection in Children in 8 Low-Resource Settings: Results From the MAL-ED Study. <i>Clinical Infectious Diseases</i> , 2016, 63, ciw542.	2.9	163
44	Early Childhood Diarrhea Predicts Cognitive Delays in Later Childhood Independently of Malnutrition. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 1004-1010.	0.6	58
45	Protein- and zinc-deficient diets modulate the murine microbiome and metabolic phenotype. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 1253-1262.	2.2	83
46	Biomarkers of Environmental Enteropathy, Inflammation, Stunting, and Impaired Growth in Children in Northeast Brazil. <i>PLoS ONE</i> , 2016, 11, e0158772.	1.1	164
47	Infections and Intoxications from the Ocean: Risks of the Shore. <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	5
48	Pathogen-specific burdens of community diarrhoea in developing countries: a multisite birth cohort study (MAL-ED). <i>The Lancet Global Health</i> , 2015, 3, e564-e575.	2.9	725
49	Point-of-Use Removal of <i>Cryptosporidium parvum</i> from Water: Independent Effects of Disinfection by Silver Nanoparticles and Silver Ions and by Physical Filtration in Ceramic Porous Media. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12958-12967.	4.6	48
50	Apolipoprotein E Plays a Key Role against Cryptosporidial Infection in Transgenic Undernourished Mice. <i>PLoS ONE</i> , 2014, 9, e89562.	1.1	37
51	Intestinal Cell Kinase Is a Novel Participant in Intestinal Cell Signaling Responses to Protein Malnutrition. <i>PLoS ONE</i> , 2014, 9, e106902.	1.1	18
52	Effects of glutamine alone or in combination with zinc and vitamin A on growth, intestinal barrier function, stress and satiety-related hormones in Brazilian shantytown children. <i>Clinics</i> , 2014, 69, 225-233.	0.6	19
53	Zinc deficiency alters host response and pathogen virulence in a mouse model of enteroaggregative <i>Escherichia coli</i> -induced diarrhea. <i>Gut Microbes</i> , 2014, 5, 618-627.	4.3	63
54	Catch-Up Growth Occurs after Diarrhea in Early Childhood. <i>Journal of Nutrition</i> , 2014, 144, 965-971.	1.3	49

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55	Disease Surveillance Methods Used in the 8-Site MAL-ED Cohort Study. <i>Clinical Infectious Diseases</i> , 2014, 59, S220-S224.	2.9	84
56	Preclinical Studies of Amoxicillin, a Systemic Therapeutic Developed for Treatment of <i>Clostridium difficile</i> Infections That Also Shows Efficacy against <i>Helicobacter pylori</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4703-4712.	1.4	16
57	Enteroaggregative <i>Escherichia coli</i> strain in a novel weaned mouse model: exacerbation by malnutrition, biofilm as a virulence factor and treatment by nitazoxanide. <i>Journal of Medical Microbiology</i> , 2013, 62, 896-905.	0.7	38
58	The impoverished gut—a triple burden of diarrhoea, stunting and chronic disease. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2013, 10, 220-229.	8.2	476
59	Early childhood diarrhea and cardiometabolic risk factors in adulthood: the Institute of Nutrition of Central America and Panama Nutritional Supplementation Longitudinal Study. <i>Annals of Epidemiology</i> , 2013, 23, 314-320.	0.9	23
60	Fecal Markers of Intestinal Inflammation and Permeability Associated with the Subsequent Acquisition of Linear Growth Deficits in Infants. <i>American Journal of Tropical Medicine and Hygiene</i> , 2013, 88, 390-396.	0.6	262
61	The micronutrient zinc inhibits EAEC strain 042 adherence, biofilm formation, virulence gene expression, and epithelial cytokine responses benefiting the infected host. <i>Virulence</i> , 2013, 4, 624-633.	1.8	37
62	Persistent <i>G. lamblia</i> impairs growth in a murine malnutrition model. <i>Journal of Clinical Investigation</i> , 2013, 123, 2672-2684.	3.9	90
63	Novel In Vitro and In Vivo Models and Potential New Therapeutics to Break the Vicious Cycle of Cryptosporidium Infection and Malnutrition. <i>Journal of Infectious Diseases</i> , 2012, 205, 1464-1471.	1.9	52
64	Apolipoprotein E4 influences growth and cognitive responses to micronutrient supplementation in shantytown children from northeast Brazil. <i>Clinics</i> , 2012, 67, 11-18.	0.6	39
65	Zinc and glutamine improve brain development in suckling mice subjected to early postnatal malnutrition. <i>Nutrition</i> , 2010, 26, 662-670.	1.1	19
66	Enteroaggregative <i>Escherichia coli</i> (EAEC) Impairs Growth while Malnutrition Worsens EAEC Infection: A Novel Murine Model of the Infection Malnutrition Cycle. <i>Journal of Infectious Diseases</i> , 2010, 202, 506-514.	1.9	62
67	Interactions of Fluorophores with Iron Nanoparticles: Metal-Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7575-7581.	1.5	23
68	Malnutrition as an enteric infectious disease with long-term effects on child development. <i>Nutrition Reviews</i> , 2008, 66, 487-505.	2.6	399
69	Cryptosporidium Infection Causes Undernutrition and, Conversely, Weanling Undernutrition Intensifies Infection. <i>Journal of Parasitology</i> , 2008, 94, 1225-1232.	0.3	65
70	Multi-country analysis of the effects of diarrhoea on childhood stunting. <i>International Journal of Epidemiology</i> , 2008, 37, 816-830.	0.9	470
71	Infectious diseases, balanced polymorphisms, and human evolution: A declaration of interdependence. <i>Current Infectious Disease Reports</i> , 2007, 9, 83-85.	1.3	5
72	Cholera, Diarrhea, and Oral Rehydration Therapy: Triumph and Indictment. <i>Clinical Infectious Diseases</i> , 2003, 37, 398-405.	2.9	105

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73	Magnitude and Impact of Diarrheal Diseases. Archives of Medical Research, 2002, 33, 351-355.	1.5	137
74	The unacceptable costs of the diseases of poverty. Current Infectious Disease Reports, 2001, 3, 1-3.	1.3	0
75	A longitudinal study of Giardia lamblia infection in north-east Brazilian children. Tropical Medicine and International Health, 2001, 6, 624-634.	1.0	77
76	Supernatants from Macrophages Stimulated with Microcystin-LR Induce Electrogenic Intestinal Response in Rabbit Ileum. Basic and Clinical Pharmacology and Toxicology, 2000, 87, 46-51.	0.0	26
77	Update on Clostridium difficile infection. Current Gastroenterology Reports, 2000, 2, 310-314.	1.1	8
78	Longitudinal Study of Cryptosporidium Infection in Children in Northeastern Brazil. Journal of Infectious Diseases, 1999, 180, 167-175.	1.9	152
79	PROTOZOAL AGENTS: What Are the Dangers for the Public Water Supply?. Annual Review of Medicine, 1997, 48, 329-340.	5.0	90
80	Lessons from Diarrheal Diseases: Demography to Molecular Pharmacology. Journal of Infectious Diseases, 1994, 169, 1206-1218.	1.9	18
81	Persistent diarrhea in Northeast Brazil: etiologies and interactions with malnutrition. Acta Paediatrica, International Journal of Paediatrics, 1992, 81, 39-44.	0.7	96
82	Bacterial and Protozoal Gastroenteritis. New England Journal of Medicine, 1991, 325, 327-340.	13.9	136
83	Malnutrition is Associated with Increased Diarrhoea Incidence and Duration among Children in an Urban Brazilian Slum. International Journal of Epidemiology, 1990, 19, 728-735.	0.9	69
84	<i>Pneumocystis Carinii</i> Infection of the Small Intestine in a Patient with Acquired Immune Deficiency Syndrome. American Journal of Clinical Pathology, 1988, 89, 679-683.	0.4	72
85	Feasibility and efficacy of in-home water chlorination in rural North-eastern Brazil. The Journal of Hygiene, 1985, 94, 173-180.	1.0	70
86	Interaction between Entamoeba histolytica and Human Polymorphonuclear Neutrophils. Journal of Infectious Diseases, 1981, 143, 83-93.	1.9	183
87	Comparison of Assay of Coliform Enterotoxins by Conventional Techniques Versus In Vivo Intestinal Perfusion. Infection and Immunity, 1979, 25, 146-152.	1.0	14
88	Cyclospora. , 0, , 165-170.		1
89	Emerging Enteric Protozoa: <i>Cryptosporidium</i> , <i>Cyclospora</i> , and Microsporidia. , 0, , 233-245.		3
90	Escherichia coli and Shigella spp.. , 0, , 347-365.		3

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91	Chairman's Summing-Up. Novartis Foundation Symposium, 0, , 271-274.	1.2	0
92	Infections and Intoxications from the Ocean: Risks of the Shore. , 0, , 1-54.		1