David T Bolick

List of Publications by Year
in descending order

92 papers	6,809 citations	71102 41 h-index	64796 79 g-index
96 all docs	96 docs citations	96 times ranked	6541 citing authors

#	Article	IF	Citations
1	Pathogen-specific burdens of community diarrhoea in developing countries: a multisite birth cohort study (MAL-ED). The Lancet Global Health, 2015, 3, e564-e575.	6.3	725
2	The impoverished gutâ€"a triple burden of diarrhoea, stunting and chronic disease. Nature Reviews Gastroenterology and Hepatology, 2013, 10, 220-229.	17.8	476
3	Multi-country analysis of the effects of diarrhoea on childhood stunting. International Journal of Epidemiology, 2008, 37, 816-830.	1.9	470
4	Malnutrition as an enteric infectious disease with long-term effects on child development. Nutrition Reviews, 2008, 66, 487-505.	5.8	399
5	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. The Lancet Global Health, 2018, 6, e1319-e1328.	6.3	280
6	Fecal Markers of Intestinal Inflammation and Permeability Associated with the Subsequent Acquisition of Linear Growth Deficits in Infants. American Journal of Tropical Medicine and Hygiene, 2013, 88, 390-396.	1.4	262
7	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. The Lancet Global Health, 2018, 6, e1309-e1318.	6.3	251
8	Interaction between Entamoeba histolytica and Human Polymorphonuclear Neutrophils. Journal of Infectious Diseases, 1981, 143, 83-93.	4.0	183
9	Biomarkers of Environmental Enteropathy, Inflammation, Stunting, and Impaired Growth in Children in Northeast Brazil. PLoS ONE, 2016, 11, e0158772.	2.5	164
10	Epidemiology and Impact ofCampylobacterInfection in Children in 8 Low-Resource Settings: Results From the MAL-ED Study. Clinical Infectious Diseases, 2016, 63, ciw542.	5.8	163
11	Longitudinal Study ofCryptosporidiumInfection in Children in Northeastern Brazil. Journal of Infectious Diseases, 1999, 180, 167-175.	4.0	152
12	Use of antibiotics in children younger than two years in eight countries: a prospective cohort study. Bulletin of the World Health Organization, 2017, 95, 49-61.	3.3	146
13	Magnitude and Impact of Diarrheal Diseases. Archives of Medical Research, 2002, 33, 351-355.	3.3	137
14	Determinants and Impact of Giardia Infection in the First 2 Years of Life in the MAL-ED Birth Cohort. Journal of the Pediatric Infectious Diseases Society, 2017, 6, 153-160.	1.3	137
15	Bacterial and Protozoal Gastroenteritis. New England Journal of Medicine, 1991, 325, 327-340.	27.0	136
16	Cholera, Diarrhea, and Oral Rehydration Therapy: Triumph and Indictment. Clinical Infectious Diseases, 2003, 37, 398-405.	5.8	105
17	Systemic inflammation, growth factors, and linear growth in the setting of infection and malnutrition. Nutrition, 2017, 33, 248-253.	2.4	99
18	Persistent diarrhea in Northeast Brazil: etiologies and interactions with malnutrition. Acta Paediatrica, International Journal of Paediatrics, 1992, 81, 39-44.	1.5	96

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19	PROTOZOAL AGENTS: What Are the Dangers for the Public Water Supply?. Annual Review of Medicine, 1997, 48, 329-340.	12.2	90
20	Persistent G. lamblia impairs growth in a murine malnutrition model. Journal of Clinical Investigation, 2013, 123, 2672-2684.	8.2	90
21	Disease Surveillance Methods Used in the 8-Site MAL-ED Cohort Study. Clinical Infectious Diseases, 2014, 59, S220-S224.	5.8	84
22	Protein- and zinc-deficient diets modulate the murine microbiome and metabolic phenotype. American Journal of Clinical Nutrition, 2016, 104, 1253-1262.	4.7	83
23	A longitudinal study of Giardia lamblia infection in north-east Brazilian children. Tropical Medicine and International Health, 2001, 6, 624-634.	2.3	77
24	Early-life enteric infections: relation between chronic systemic inflammation and poor cognition in children. Nutrition Reviews, 2016, 74, 374-386.	5.8	73
25	Pneumocystis Carinii Infection of the Small Intestine in a Patient with Acquired Immune Deficiency Syndrome. American Journal of Clinical Pathology, 1988, 89, 679-683.	0.7	72
26	Feasibility and efficacy of in-home water chlorination in rural North-eastern Brazil. The Journal of Hygiene, 1985, 94, 173-180.	0.9	70
27	Malnutrition is Associated with Increased Diarrhoea Incidence and Duration among Children in an Urban Brazilian Slum. International Journal of Epidemiology, 1990, 19, 728-735.	1.9	69
28	Cross-modulation of pathogen-specific pathways enhances malnutrition during enteric co-infection with Giardia lamblia and enteroaggregative Escherichia coli. PLoS Pathogens, 2017, 13, e1006471.	4.7	68
29	Cryptosporidium Infection Causes Undernutrition and, Conversely, Weanling Undernutrition Intensifies Infection. Journal of Parasitology, 2008, 94, 1225-1232.	0.7	65
30	Zinc deficiency alters host response and pathogen virulence in a mouse model of enteroaggregativeescherichia coli-induced diarrhea. Gut Microbes, 2014, 5, 618-627.	9.8	63
31	EnteroaggregativeEscherichia coli(EAEC) Impairs Growth while Malnutrition Worsens EAEC Infection: A Novel Murine Model of the Infection Malnutrition Cycle. Journal of Infectious Diseases, 2010, 202, 506-514.	4.0	62
32	Assessment of Neurodevelopment, Nutrition, and Inflammation From Fetal Life to Adolescence in Low-Resource Settings. Pediatrics, 2017, 139, S23-S37.	2.1	59
33	Early Childhood Diarrhea Predicts Cognitive Delays in Later Childhood Independently of Malnutrition. American Journal of Tropical Medicine and Hygiene, 2016, 95, 1004-1010.	1.4	58
34	Epidemiology of enteroaggregative Escherichia coli infections and associated outcomes in the MAL-ED birth cohort. PLoS Neglected Tropical Diseases, 2017, 11, e0005798.	3.0	58
35	Urinary N-methylnicotinamide and Î²-aminoisobutyric acid predict catch-up growth in undernourished Brazilian children. Scientific Reports, 2016, 6, 19780.	3.3	56
36	A novel mouse model of Campylobacter jejuni enteropathy and diarrhea. PLoS Pathogens, 2018, 14, e1007083.	4.7	55

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37	Novel In Vitro and In Vivo Models and Potential New Therapeutics to Break the Vicious Cycle of Cryptosporidium Infection and Malnutrition. Journal of Infectious Diseases, 2012, 205, 1464-1471.	4.0	52
38	Modulation of Intestinal Immune and Barrier Functions by Vitamin A: Implications for Current Understanding of Malnutrition and Enteric Infections in Children. Nutrients, 2018, 10, 1128.	4.1	51
39	Development of spirulina for the manufacture and oral delivery of protein therapeutics. Nature Biotechnology, 2022, 40, 956-964.	17.5	50
40	Catch-Up Growth Occurs after Diarrhea in Early Childhood. Journal of Nutrition, 2014, 144, 965-971.	2.9	49
41	Point-of-Use Removal of Cryptosporidium parvum from Water: Independent Effects of Disinfection by Silver Nanoparticles and Silver Ions and by Physical Filtration in Ceramic Porous Media. Environmental Science & Technology, 2015, 49, 12958-12967.	10.0	48
42	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.	4.7	47
43	Effect of Hypoproteic and High-Fat Diets on Hippocampal Blood-Brain Barrier Permeability and Oxidative Stress. Frontiers in Nutrition, 2018, 5, 131.	3.7	46
44	Neurodevelopment, Nutrition, and Inflammation: The Evolving Global Child Health Landscape. Pediatrics, 2017, 139, S12-S22.	2.1	45
45	Early childhood growth and cognitive outcomes: Findings from the <scp>MALâ€ED</scp> study. Maternal and Child Nutrition, 2018, 14, e12584.	3.0	41
46	Apolipoprotein E4 influences growth and cognitive responses to micronutrient supplementation in shantytown children from northeast Brazil. Clinics, 2012, 67, 11-18.	1.5	39
47	Chronic consequences on human health induced by microbial pathogens: Growth faltering among children in developing countries. Vaccine, 2017, 35, 6807-6812.	3.8	39
48	Enteroaggregative Escherichia coli strain in a novel weaned mouse model: exacerbation by malnutrition, biofilm as a virulence factor and treatment by nitazoxanide. Journal of Medical Microbiology, 2013, 62, 896-905.	1.8	38
49	The micronutrient zinc inhibits EAEC strain 042 adherence, biofilm formation, virulence gene expression, and epithelial cytokine responses benefiting the infected host. Virulence, 2013, 4, 624-633.	4.4	37
50	Apolipoprotein E Plays a Key Role against Cryptosporidial Infection in Transgenic Undernourished Mice. PLoS ONE, 2014, 9, e89562.	2.5	37
51	Disentangling Microbial Mediators of Malnutrition: Modeling Environmental Enteric Dysfunction. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 692-707.	4.5	37
52	A murine model of diarrhea, growth impairment and metabolic disturbances withShigella flexneriinfection and the role of zinc deficiency. Gut Microbes, 2019, 10, 615-630.	9.8	36
53	The Burden of Enteropathy and â€œSubclinicalâ€•Infections. Pediatric Clinics of North America, 2017, 64, 815-836.	1.8	33
54	Etiology and severity of diarrheal diseases in infants at the semiarid region of Brazil: A case-control study. PLoS Neglected Tropical Diseases, 2019, 13, e0007154.	3.0	31

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55	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
56	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.	3.9	26
57	Innate Immune Response and Outcome of Clostridium difficile Infection Are Dependent on Fecal Bacterial Composition in the Aged Host. Journal of Infectious Diseases, 2018, 217, 188-197.	4.0	25
58	Interactions of Fluorophores with Iron Nanoparticles: Metal-Enhanced Fluorescence. Journal of Physical Chemistry C, 2010, 114, 7575-7581.	3.1	23
59	Early childhood diarrhea and cardiometabolic risk factors in adulthood: the Institute of Nutrition of Central America and Panama Nutritional Supplementation Longitudinal Study. Annals of Epidemiology, 2013, 23, 314-320.	1.9	23
60	A bivalent vaccine confers immunogenicity and protection against Shigella flexneri and enterotoxigenic Escherichia coli infections in mice. Npj Vaccines, 2020, 5, 30.	6.0	20
61	Modeling Enteropathy or Diarrhea with the Top Bacterial and Protozoal Pathogens: Differential Determinants of Outcomes. ACS Infectious Diseases, 2021, 7, 1020-1031.	3.8	20
62	Zinc and glutamine improve brain development in suckling mice subjected toÂearly postnatal malnutrition. Nutrition, 2010, 26, 662-670.	2.4	19
63	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. Clinics, 2014, 69, 225-233.	1.5	19
64	Lessons from Diarrheal Diseases: Demography to Molecular Pharmacology. Journal of Infectious Diseases, 1994, 169, 1206-1218.	4.0	18
65	Intestinal Cell Kinase Is a Novel Participant in Intestinal Cell Signaling Responses to Protein Malnutrition. PLoS ONE, 2014, 9, e106902.	2.5	18
66	Preclinical Studies of Amixicile, a Systemic Therapeutic Developed for Treatment of Clostridium difficile Infections That Also Shows Efficacy against Helicobacter pylori. Antimicrobial Agents and Chemotherapy, 2014, 58, 4703-4712.	3.2	16
67	Increased Urinary Trimethylamine N-Oxide Following Cryptosporidium Infection and Protein Malnutrition Independent of Microbiome Effects. Journal of Infectious Diseases, 2017, 216, 64-71.	4.0	16
68	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.	3.0	14
69	Investigation of a monoclonal antibody against enterotoxigenic Escherichia coli, expressed as secretory IgA1 and IgA2 in plants. Gut Microbes, 2021, 13, 1-14.	9.8	14
70	Comparison of Assay of Coliform Enterotoxins by Conventional Techniques Versus In Vivo Intestinal Perfusion. Infection and Immunity, 1979, 25, 146-152.	2.2	14
71	Abundant production of exopolysaccharide by EAEC strains enhances the formation of bacterial biofilms in contaminated sprouts. Gut Microbes, 2018, 9, 264-278.	9.8	13
72	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.	2.4	10

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73	Amixicile Reduces Severity of Cryptosporidiosis but Does Not Have In Vitro Activity against Cryptosporidium. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	9
74	Update on Clostridium difficile infection. Current Gastroenterology Reports, 2000, 2, 310-314.	2.5	8
75	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.	2.9	7
76	Modelling stunting in LiST: the effect of applying smoothing to linear growth data. BMC Public Health, 2017, 17, 778.	2.9	6
77	Clostridioides difficile colonization among very young children in resource-limited settings. Clinical Microbiology and Infection, 2022, 28, 996-1002.	6.0	6
78	Infectious diseases, balanced polymorphisms, and human evolution: A declaration of interdependence. Current Infectious Disease Reports, 2007, 9, 83-85.	3.0	5
79	Infections and Intoxications from the Ocean: Risks of the Shore. Microbiology Spectrum, 2015, 3, .	3.0	5
80	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
81	Understanding & ameliorating enteropathy and malnutrition in impoverished areas. EBioMedicine, 2019, 45, 7-8.	6.1	4
82	The CHO Cell Clustering Response to Pertussis Toxin: History of Its Discovery and Recent Developments in Its Use. Toxins, 2021, 13, 815.	3.4	4
83	Emerging Enteric Protozoa: Cryptosporidium, Cyciospora, and Microsporidia. , 0, , 233-245.		3
84	Alanylâ€glutamine Protects Against Damage Induced by Enteroaggregative Escherichia coli Strains in Intestinal Cells. Journal of Pediatric Gastroenterology and Nutrition, 2019, 68, 190-198.	1.8	3
85	Intervention and Mechanisms of Alanylâ€glutamine for Inflammation, Nutrition, and Enteropathy. Journal of Pediatric Gastroenterology and Nutrition, 2020, 71, 393-400.	1.8	3
86	Escherichia coli and Shigella spp.. , 0, , 347-365.		3
87	Detecting Glucose Fluctuations in the Campylobacter jejuni N-Glycan Structure. ACS Chemical Biology, 2021, 16, 2690-2701.	3.4	2
88	Cyclospora. , 0, , 165-170.		1
89	Infections and Intoxications from the Ocean: Risks of the Shore. , 0, , 1-54.		1
90	The unacceptable costs of the diseases of poverty. Current Infectious Disease Reports, 2001, 3, 1-3.	3.0	0

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91	Ongoing Challenges to Understanding and Interrupting Environmental Enteric Dysfunction. Journal of Pediatrics, 2019, 210, 8-9.	1.8	0
92	Chairman's Summing-Up. Novartis Foundation Symposium, 0, , 271-274.	1.1	0