

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	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
2	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
3	Multi-country analysis of the effects of diarrhoea on childhood stunting. <i>International Journal of Epidemiology</i> , 2008, 37, 816-830.	0.9	470
4	Malnutrition as an enteric infectious disease with long-term effects on child development. <i>Nutrition Reviews</i> , 2008, 66, 487-505.	2.6	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. <i>The Lancet Global Health</i> , 2018, 6, e1319-e1328.	2.9	280
6	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
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. <i>The Lancet Global Health</i> , 2018, 6, e1309-e1318.	2.9	251
8	Interaction between <i>Entamoeba histolytica</i> and Human Polymorphonuclear Neutrophils. <i>Journal of Infectious Diseases</i> , 1981, 143, 83-93.	1.9	183
9	Biomarkers of Environmental Enteropathy, Inflammation, Stunting, and Impaired Growth in Children in Northeast Brazil. <i>PLoS ONE</i> , 2016, 11, e0158772.	1.1	164
10	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
11	Longitudinal Study of <i>Cryptosporidium</i> Infection in Children in Northeastern Brazil. <i>Journal of Infectious Diseases</i> , 1999, 180, 167-175.	1.9	152
12	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
13	Magnitude and Impact of Diarrheal Diseases. <i>Archives of Medical Research</i> , 2002, 33, 351-355.	1.5	137
14	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
15	Bacterial and Protozoal Gastroenteritis. <i>New England Journal of Medicine</i> , 1991, 325, 327-340.	13.9	136
16	Cholera, Diarrhea, and Oral Rehydration Therapy: Triumph and Indictment. <i>Clinical Infectious Diseases</i> , 2003, 37, 398-405.	2.9	105
17	Systemic inflammation, growth factors, and linear growth in the setting of infection and malnutrition. <i>Nutrition</i> , 2017, 33, 248-253.	1.1	99
18	Persistent diarrhea in Northeast Brazil: etiologies and interactions with malnutrition. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1992, 81, 39-44.	0.7	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.	5.0	90
20	Persistent <i>G. lamblia</i> impairs growth in a murine malnutrition model. Journal of Clinical Investigation, 2013, 123, 2672-2684.	3.9	90
21	Disease Surveillance Methods Used in the 8-Site MAL-ED Cohort Study. Clinical Infectious Diseases, 2014, 59, S220-S224.	2.9	84
22	Protein- and zinc-deficient diets modulate the murine microbiome and metabolic phenotype. American Journal of Clinical Nutrition, 2016, 104, 1253-1262.	2.2	83
23	A longitudinal study of <i>Giardia lamblia</i> infection in north-east Brazilian children. Tropical Medicine and International Health, 2001, 6, 624-634.	1.0	77
24	Early-life enteric infections: relation between chronic systemic inflammation and poor cognition in children. Nutrition Reviews, 2016, 74, 374-386.	2.6	73
25	<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
26	Feasibility and efficacy of in-home water chlorination in rural North-eastern Brazil. The Journal of Hygiene, 1985, 94, 173-180.	1.0	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.	0.9	69
28	Cross-modulation of pathogen-specific pathways enhances malnutrition during enteric co-infection with <i>Giardia lamblia</i> and enteroaggregative <i>Escherichia coli</i> . PLoS Pathogens, 2017, 13, e1006471.	2.1	68
29	<i>Cryptosporidium</i> Infection Causes Undernutrition and, Conversely, Weanling Undernutrition Intensifies Infection. Journal of Parasitology, 2008, 94, 1225-1232.	0.3	65
30	Zinc deficiency alters host response and pathogen virulence in a mouse model of enteroaggregative <i>Escherichia coli</i> -induced diarrhea. Gut Microbes, 2014, 5, 618-627.	4.3	63
31	Enteroaggregative <i>Escherichia coli</i> (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.	1.9	62
32	Assessment of Neurodevelopment, Nutrition, and Inflammation From Fetal Life to Adolescence in Low-Resource Settings. Pediatrics, 2017, 139, S23-S37.	1.0	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.	0.6	58
34	Epidemiology of enteroaggregative <i>Escherichia coli</i> infections and associated outcomes in the MAL-ED birth cohort. PLoS Neglected Tropical Diseases, 2017, 11, e0005798.	1.3	58
35	Urinary N-methylnicotinamide and $\hat{1}^2$ -aminoisobutyric acid predict catch-up growth in undernourished Brazilian children. Scientific Reports, 2016, 6, 19780.	1.6	56
36	A novel mouse model of <i>Campylobacter jejuni</i> enteropathy and diarrhea. PLoS Pathogens, 2018, 14, e1007083.	2.1	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. <i>Journal of Infectious Diseases</i> , 2012, 205, 1464-1471.	1.9	52
38	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
39	Development of spirulina for the manufacture and oral delivery of protein therapeutics. <i>Nature Biotechnology</i> , 2022, 40, 956-964.	9.4	50
40	Catch-Up Growth Occurs after Diarrhea in Early Childhood. <i>Journal of Nutrition</i> , 2014, 144, 965-971.	1.3	49
41	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 & Technology</i> , 2015, 49, 12958-12967.	4.6	48
42	Enteric dysfunction and other factors associated with attained size at 5 years: MAL-ED birth cohort study findings. <i>American Journal of Clinical Nutrition</i> , 2019, 110, 131-138.	2.2	47
43	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
44	Neurodevelopment, Nutrition, and Inflammation: The Evolving Global Child Health Landscape. <i>Pediatrics</i> , 2017, 139, S12-S22.	1.0	45
45	Early childhood growth and cognitive outcomes: Findings from the MAL-ED study. <i>Maternal and Child Nutrition</i> , 2018, 14, e12584.	1.4	41
46	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
47	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
48	Enteropathogenic <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
49	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
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	Disentangling Microbial Mediators of Malnutrition: Modeling Environmental Enteric Dysfunction. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 7, 692-707.	2.3	37
52	A murine model of diarrhea, growth impairment and metabolic disturbances with <i>Shigella flexneri</i> infection and the role of zinc deficiency. <i>Gut Microbes</i> , 2019, 10, 615-630.	4.3	36
53	The Burden of Enteropathy and "Subclinical" Infections. <i>Pediatric Clinics of North America</i> , 2017, 64, 815-836.	0.9	33
54	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

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55	Supernatants from Macrophages Stimulated with Microcystin-LR Induce Electrogenic Intestinal Response in Rabbit Ileum. <i>Basic and Clinical Pharmacology and Toxicology</i> , 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. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 595266.	1.8	26
57	Innate Immune Response and Outcome of Clostridium difficile Infection Are Dependent on Fecal Bacterial Composition in the Aged Host. <i>Journal of Infectious Diseases</i> , 2018, 217, 188-197.	1.9	25
58	Interactions of Fluorophores with Iron Nanoparticles: Metal-Enhanced Fluorescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7575-7581.	1.5	23
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	A bivalent vaccine confers immunogenicity and protection against Shigella flexneri and enterotoxigenic Escherichia coli infections in mice. <i>Npj Vaccines</i> , 2020, 5, 30.	2.9	20
61	Modeling Enteropathy or Diarrhea with the Top Bacterial and Protozoal Pathogens: Differential Determinants of Outcomes. <i>ACS Infectious Diseases</i> , 2021, 7, 1020-1031.	1.8	20
62	Zinc and glutamine improve brain development in suckling mice subjected to early postnatal malnutrition. <i>Nutrition</i> , 2010, 26, 662-670.	1.1	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. <i>Clinics</i> , 2014, 69, 225-233.	0.6	19
64	Lessons from Diarrheal Diseases: Demography to Molecular Pharmacology. <i>Journal of Infectious Diseases</i> , 1994, 169, 1206-1218.	1.9	18
65	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
66	Preclinical Studies of Amoxicillin, a Systemic Therapeutic Developed for Treatment of Clostridium difficile Infections That Also Shows Efficacy against Helicobacter pylori. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4703-4712.	1.4	16
67	Increased Urinary Trimethylamine N-Oxide Following Cryptosporidium Infection and Protein Malnutrition Independent of Microbiome Effects. <i>Journal of Infectious Diseases</i> , 2017, 216, 64-71.	1.9	16
68	Intestinal parasitic infection alters bone marrow derived dendritic cell inflammatory cytokine production in response to bacterial endotoxin in a diet-dependent manner. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007515.	1.3	14
69	Investigation of a monoclonal antibody against enterotoxigenic Escherichia coli, expressed as secretory IgA1 and IgA2 in plants. <i>Gut Microbes</i> , 2021, 13, 1-14.	4.3	14
70	Comparison of Assay of Coliform Enterotoxins by Conventional Techniques Versus In Vivo Intestinal Perfusion. <i>Infection and Immunity</i> , 1979, 25, 146-152.	1.0	14
71	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
72	Outcomes of a Multidisciplinary Clinic in Evaluating Recurrent Clostridioides difficile Infection Patients for Fecal Microbiota Transplant: A Retrospective Cohort Analysis. <i>Journal of Clinical Medicine</i> , 2019, 8, 1036.	1.0	10

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73	Amixicile Reduces Severity of Cryptosporidiosis but Does Not Have In Vitro Activity against Cryptosporidium. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	9
74	Update on Clostridium difficile infection. <i>Current Gastroenterology Reports</i> , 2000, 2, 310-314.	1.1	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. <i>Journal of Nutrition</i> , 2021, 151, 170-178.	1.3	7
76	Modelling stunting in LiST: the effect of applying smoothing to linear growth data. <i>BMC Public Health</i> , 2017, 17, 778.	1.2	6
77	Clostridioides difficile colonization among very young children in resource-limited settings. <i>Clinical Microbiology and Infection</i> , 2022, 28, 996-1002.	2.8	6
78	Infectious diseases, balanced polymorphisms, and human evolution: A declaration of interdependence. <i>Current Infectious Disease Reports</i> , 2007, 9, 83-85.	1.3	5
79	Infections and Intoxications from the Ocean: Risks of the Shore. <i>Microbiology Spectrum</i> , 2015, 3, .	1.2	5
80	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
81	Understanding & ameliorating enteropathy and malnutrition in impoverished areas. <i>EBioMedicine</i> , 2019, 45, 7-8.	2.7	4
82	The CHO Cell Clustering Response to Pertussis Toxin: History of Its Discovery and Recent Developments in Its Use. <i>Toxins</i> , 2021, 13, 815.	1.5	4
83	Emerging Enteric Protozoa: <i>Cryptosporidium</i> , <i>Cyciospora</i> , and Microsporidia. , 0, , 233-245.		3
84	Alanyl- ϵ -glutamine Protects Against Damage Induced by Enteroaggregative <i>Escherichia coli</i> Strains in Intestinal Cells. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019, 68, 190-198.	0.9	3
85	Intervention and Mechanisms of Alanyl- ϵ -glutamine for Inflammation, Nutrition, and Enteropathy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, 393-400.	0.9	3
86	<i>Escherichia coli</i> and <i>Shigella</i> spp.. , 0, , 347-365.		3
87	Detecting Glucose Fluctuations in the Campylobacter jejuni N-Glycan Structure. <i>ACS Chemical Biology</i> , 2021, 16, 2690-2701.	1.6	2
88	<i>Cyclospora</i> . , 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. <i>Current Infectious Disease Reports</i> , 2001, 3, 1-3.	1.3	0

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91	Ongoing Challenges to Understanding and Interrupting Environmental Enteric Dysfunction. Journal of Pediatrics, 2019, 210, 8-9.	0.9	0
92	Chairman's Summing-Up. Novartis Foundation Symposium, 0, , 271-274.	1.2	0