James P Nataro

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Burden and aetiology of diarrhoeal disease in infants and young children in developing countries (the) Tj ETQq1 209-222.	1 0.784314 13.7	4 rgBT /Over 2,885
2	Use of quantitative molecular diagnostic methods to identify causes of diarrhoea in children: a reanalysis of the GEMS case-control study. Lancet, The, 2016, 388, 1291-1301.	13.7	658
3	Molecular switches - the ON and OFF of bacterial phase variation. Molecular Microbiology, 1999, 33, 919-932.	2.5	443
4	The Global Enteric Multicenter Study (GEMS) of Diarrheal Disease in Infants and Young Children in Developing Countries: Epidemiologic and Clinical Methods of the Case/Control Study. Clinical Infectious Diseases, 2012, 55, S232-S245.	5.8	300
5	Shigella Isolates From the Clobal Enteric Multicenter Study Inform Vaccine Development. Clinical Infectious Diseases, 2014, 59, 933-941.	5.8	297
6	Roles for Fis and YafK in biofilm formation by enteroaggregative Escherichia coli. Molecular Microbiology, 2008, 41, 983-997.	2.5	218
7	The Burden of Cryptosporidium Diarrheal Disease among Children < 24 Months of Age in Moderate/High Mortality Regions of Sub-Saharan Africa and South Asia, Utilizing Data from the Global Enteric Multicenter Study (GEMS). PLoS Neglected Tropical Diseases, 2016, 10, e0004729.	3.0	201
8	Diarrheagenic Escherichia coli Infection in Baltimore, Maryland, and New Haven, Connecticut. Clinical Infectious Diseases, 2006, 43, 402-407.	5.8	184
9	Identification of Sat, an autotransporter toxin produced by uropathogenic Escherichia coli. Molecular Microbiology, 2000, 38, 53-66.	2.5	183
10	The incidence, aetiology, and adverse clinical consequences of less severe diarrhoeal episodes among infants and children residing in low-income and middle-income countries: a 12-month case-control study as a follow-on to the Global Enteric Multicenter Study (GEMS). The Lancet Global Health, 2019, 7, e568-e584.	6.3	168
11	Optimization of Quantitative PCR Methods for Enteropathogen Detection. PLoS ONE, 2016, 11, e0158199.	2.5	131
12	Investigation of the Roles of Toxin-Coregulated Pili and Mannose-Sensitive Hemagglutinin Pili in the Pathogenesis of <i>Vibrio cholerae</i> O139 Infection. Infection and Immunity, 1998, 66, 692-695.	2.2	131
13	Diarrhoeal disease and subsequent risk of death in infants and children residing in low-income and middle-income countries: analysis of the GEMS case-control study and 12-month GEMS-1A follow-on study. The Lancet Global Health, 2020, 8, e204-e214.	6.3	121
14	Enteroaggregative Escherichia coli pathogenesis. Current Opinion in Gastroenterology, 2005, 21, 4-8.	2.3	120
15	Sanitation and Hygiene-Specific Risk Factors for Moderate-to-Severe Diarrhea in Young Children in the Global Enteric Multicenter Study, 2007–2011: Case-Control Study. PLoS Medicine, 2016, 13, e1002010.	8.4	86
16	Defining the Phylogenomics of Shigella Species: a Pathway to Diagnostics. Journal of Clinical Microbiology, 2015, 53, 951-960.	3.9	82
17	Prevalence of enteroaggregative Escherichia coli and its virulence-related genes in a case–control study among children from north-eastern Brazil. Journal of Medical Microbiology, 2013, 62, 683-693.	1.8	79
18	Novel Aggregative Adherence Fimbria Variant of Enteroaggregative Escherichia coli. Infection and Immunity. 2015. 83. 1396-1405.	2.2	77

JAMES P NATARO

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19	Novel Segment- and Host-Specific Patterns of Enteroaggregative <i>Escherichia coli</i> Adherence to Human Intestinal Enteroids. MBio, 2018, 9, .	4.1	75
20	Colonization factors among enterotoxigenic Escherichia coli isolates from children with moderate-to-severe diarrhea and from matched controls in the Global Enteric Multicenter Study (GEMS). PLoS Neglected Tropical Diseases, 2019, 13, e0007037.	3.0	68
21	Genomic diversity of EPEC associated with clinical presentations of differing severity. Nature Microbiology, 2016, 1, 15014.	13.3	66
22	Impaired Barrier Function and Autoantibody Generation in Malnutrition Enteropathy in Zambia. EBioMedicine, 2017, 22, 191-199.	6.1	66
23	Analysis of Shigella flexneri Resistance, Biofilm Formation, and Transcriptional Profile in Response to Bile Salts. Infection and Immunity, 2017, 85, .	2.2	65
24	Virulence characteristics and the molecular epidemiology of enteroaggregative Escherichia coli isolates from travellers to developing countries. Journal of Medical Microbiology, 2007, 56, 1386-1392.	1.8	64
25	Plasmid-Encoded Toxin of Enteroaggregative <i>Escherichia coli</i> is Internalized by Epithelial Cells. Infection and Immunity, 2001, 69, 1053-1060.	2.2	63
26	Evolution of atypical enteropathogenic E. coli by repeated acquisition of LEE pathogenicity island variants. Nature Microbiology, 2016, 1, 15010.	13.3	60
27	Pathogens Associated With Linear Growth Faltering in Children With Diarrhea and Impact of Antibiotic Treatment: The Global Enteric Multicenter Study. Journal of Infectious Diseases, 2021, 224, S848-S855.	4.0	55
28	Characterization of the AfaD-like family of invasins encoded by pathogenicEscherichia coliassociated with intestinal and extra-intestinal infections. FEBS Letters, 2000, 479, 111-117.	2.8	45
29	Diarrheagenic <i>Escherichia coli</i> . Clinical Microbiology Reviews, 1998, 11, 403-403.	13.6	41
30	Animal-related factors associated with moderate-to-severe diarrhea in children younger than five years in western Kenya: A matched case-control study. PLoS Neglected Tropical Diseases, 2017, 11, e0005795.	3.0	40
31	Heterogenic virulence in a diarrheagenic Escherichia coli: Evidence for an EPEC expressing heat-labile toxin of ETEC. International Journal of Medical Microbiology, 2015, 305, 47-54.	3.6	39
32	Chronic consequences on human health induced by microbial pathogens: Growth faltering among children in developing countries. Vaccine, 2017, 35, 6807-6812.	3.8	39
33	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
34	Structural Insight into Host Recognition by Aggregative Adherence Fimbriae of Enteroaggregative Escherichia coli. PLoS Pathogens, 2014, 10, e1004404.	4.7	38
35	Prevalence and virulence gene profiling of enteroaggregative Escherichia coli in malnourished and nourished Brazilian children. Diagnostic Microbiology and Infectious Disease, 2017, 89, 98-105.	1.8	38
36	The Relationship Between Distance to Water Source and Moderate-to-Severe Diarrhea in the Global Enterics Multi-Center Study in Kenya, 2008–2011. American Journal of Tropical Medicine and Hygiene, 2016, 94, 1143-1149.	1.4	36

James P Nataro

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37	Enteroaggregative <i>Escherichia coli</i> Adherence Fimbriae Drive Inflammatory Cell Recruitment via Interactions with Epithelial MUC1. MBio, 2017, 8, .	4.1	36
38	Redefining enteroaggregative Escherichia coli (EAEC): Genomic characterization of epidemiological EAEC strains. PLoS Neglected Tropical Diseases, 2020, 14, e0008613.	3.0	34
39	The Presence of the pAA Plasmid in the German O104:H4 Shiga Toxin Type 2a (Stx2a)–Producing Enteroaggregative Escherichia coli Strain Promotes the Translocation of Stx2a Across an Epithelial Cell Monolayer. Journal of Infectious Diseases, 2014, 210, 1909-1919.	4.0	33
40	Distribution of aggA and aafA gene sequences among Escherichia coli isolates with genotypic or phenotypic characteristics, or both, of enteroaggregative E. coli. Journal of Medical Microbiology, 1999, 48, 597-599.	1.8	32
41	Enteroaggregative Escherichia coli is the predominant diarrheagenic E. coli pathotype among irrigation water and food sources in South Africa. International Journal of Food Microbiology, 2018, 278, 44-51.	4.7	32
42	A large family of antiâ€activators accompanying XylS/AraC family regulatory proteins. Molecular Microbiology, 2016, 101, 314-332.	2.5	30
43	Mucus layer modeling of human colonoids during infection with enteroaggragative E. coli. Scientific Reports, 2020, 10, 10533.	3.3	29
44	Genetic characterization of Shigella spp. isolated from diarrhoeal and asymptomatic children. Journal of Medical Microbiology, 2014, 63, 903-910.	1.8	28
45	The AraC Negative Regulator family modulates the activity of histone-like proteins in pathogenic bacteria. PLoS Pathogens, 2017, 13, e1006545.	4.7	28
46	Association Between Shigella Infection and Diarrhea Varies Based on Location and Age of Children. American Journal of Tropical Medicine and Hygiene, 2015, 93, 918-924.	1.4	26
47	Towards Rational Design of a Toxoid Vaccine against the Heat-Stable Toxin of Escherichia coli. Infection and Immunity, 2016, 84, 1239-1249.	2.2	26
48	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
49	Environmental Enteric Dysfunction: A Case Definition for Intervention Trials. American Journal of Tropical Medicine and Hygiene, 2017, 97, 1643-1646.	1.4	26
50	Some Epidemiologic, Clinical, Microbiologic, and Organizational Assumptions That Influenced the Design and Performance of the Global Enteric Multicenter Study (GEMS). Clinical Infectious Diseases, 2012, 55, S225-S231.	5.8	25
51	Comparative Genomics Provides Insight into the Diversity of the Attaching and Effacing Escherichia coli Virulence Plasmids. Infection and Immunity, 2015, 83, 4103-4117.	2.2	25
52	Direct Detection of Shigella in Stool Specimens by Use of a Metagenomic Approach. Journal of Clinical Microbiology, 2018, 56, .	3.9	25
53	Clinical, environmental, and behavioral characteristics associated with Cryptosporidium infection among children with moderate-to-severe diarrhea in rural western Kenya, 2008–2012: The Global Enteric Multicenter Study (GEMS). PLoS Neglected Tropical Diseases, 2018, 12, e0006640.	3.0	25
54	Pathogenicity Islands and Other Mobile Genetic Elements of Diarrheagenic <i>Escherichia coli</i> ., 0, , 33-58.		25

JAMES P NATARO

#	Article	IF	CITATIONS
55	Zika Virus Infection. Pediatric Clinics of North America, 2017, 64, 937-951.	1.8	24
56	Determinants of linear growth faltering among children with moderate-to-severe diarrhea in the Global Enteric Multicenter Study. BMC Medicine, 2019, 17, 214.	5.5	24
57	Epidemiology, Seasonality and Factors Associated with Rotavirus Infection among Children with Moderate-to-Severe Diarrhea in Rural Western Kenya, 2008–2012: The Global Enteric Multicenter Study (GEMS). PLoS ONE, 2016, 11, e0160060.	2.5	23
58	Escherichia coli ST131 clones harbouring AggR and AAF/V fimbriae causing bacteremia in Mozambican children: Emergence of new variant of fimH27 subclone. PLoS Neglected Tropical Diseases, 2020, 14, e0008274.	3.0	22
59	Identification of Subsets of Enteroaggregative Escherichia coli Associated with Diarrheal Disease among Under 5 Years of Age Children from Rural Gambia. American Journal of Tropical Medicine and Hygiene, 2017, 97, 997-1004.	1.4	22
60	Biofilms and Device-Related Infections. , 0, , 423-439.		21
61	Bacterial Factors Associated with Lethal Outcome of Enteropathogenic Escherichia coli Infection: Genomic Case-Control Studies. PLoS Neglected Tropical Diseases, 2015, 9, e0003791.	3.0	21
62	A Bivalent Typhoid Live Vector Vaccine Expressing both Chromosome- and Plasmid-Encoded Yersinia pestis Antigens Fully Protects against Murine Lethal Pulmonary Plague Infection. Infection and Immunity, 2015, 83, 161-172.	2.2	21
63	Quality of Piped and Stored Water in Households with Children Under Five Years of Age Enrolled in the Mali Site of the Global Enteric Multi-Center Study (GEMS). American Journal of Tropical Medicine and Hygiene, 2013, 89, 214-222.	1.4	20
64	Role of the Mucus Layer in Bacterial Colonization of the Intestine. , 0, , 199-212.		20
65	Community Based Case-Control Study of Rotavirus Gastroenteritis among Young Children during 2008-2010 Reveals Vast Genetic Diversity and Increased Prevalence of G9 Strains in Kolkata. PLoS ONE, 2014, 9, e112970.	2.5	19
66	Pneumonia mortality and healthcare utilization in young children in rural Bangladesh: a prospective verbal autopsy study. Tropical Medicine and Health, 2018, 46, 17.	2.8	19
67	Seroprevalence of the enteroaggregative Escherichia coli virulence factor dispersin among USA travellers to Cuernavaca, Mexico: a pilot study. Journal of Medical Microbiology, 2008, 57, 476-479.	1.8	18
68	Atypical Enteropathogenic <i>Escherichia coli</i> : Typical Pathogens?. Emerging Infectious Diseases, 2006, 12, 696-696.	4.3	17
69	Factors Associated with the Duration of Moderate-to-Severe Diarrhea among Children in Rural Western Kenya Enrolled in the Global Enteric Multicenter Study, 2008–2012. American Journal of Tropical Medicine and Hygiene, 2017, 97, 248-258.	1.4	17
70	Genome diversity of <i>Shigella boydii</i> . Pathogens and Disease, 2016, 74, ftw027.	2.0	16
71	Enterotoxigenic Escherichia coli is phagocytosed by macrophages underlying villus-like intestinal epithelial cells: modeling ex vivo innate immune defenses of the human gut. Gut Microbes, 2017, , 00-00.	9.8	16
72	Enterohemorrhagic E. coli (EHEC)—Secreted Serine Protease EspP Stimulates Electrogenic Ion Transport in Human Colonoid Monolayers. Toxins, 2018, 10, 351.	3.4	16

JAMES P NATARO

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73	Participation of Integrinα5β1 in the Fibronectin-Mediated Adherence of EnteroaggregativeEscherichia colito Intestinal Cells. BioMed Research International, 2014, 2014, 1-8.	1.9	15
74	Clinical features, risk factors, and impact of antibiotic treatment of diarrhea caused by Shigella in children less than 5 years in Manhiça District, rural Mozambique. Infection and Drug Resistance, 2018, Volume 11, 2095-2106.	2.7	15
75	The Clinical Presentation of Culture-positive and Culture-negative, Quantitative Polymerase Chain Reaction (qPCR)-Attributable Shigellosis in the Global Enteric Multicenter Study and Derivation of a <i>Shigella</i> Severity Score: Implications for Pediatric <i>Shigella</i> Vaccine Trials. Clinical Infectious Diseases. 2021, 73, e569-e579.	5.8	15
76	Vaccines against diarrheal diseases. Seminars in Pediatric Infectious Diseases, 2004, 15, 272-279.	1.7	14
77	Dose escalation study of bovine lactoferrin in preterm infants: getting the dose right. Biochemistry and Cell Biology, 2021, 99, 7-13.	2.0	13
78	Diarrhea Among Children in Developing Countries. Advances in Experimental Medicine and Biology, 2013, 764, 73-80.	1.6	12
79	Transcriptional Variation of Diverse Enteropathogenic Escherichia coli Isolates under Virulence-Inducing Conditions. MSystems, 2017, 2, .	3.8	12
80	The Role of the AggR Regulon in the Virulence of the Shiga Toxin-Producing Enteroaggregative Escherichia coli Epidemic O104:H4 Strain in Mice. Frontiers in Microbiology, 2019, 10, 1824.	3.5	11
81	New Insights Into DAEC and EAEC Pathogenesis and Phylogeny. Frontiers in Cellular and Infection Microbiology, 2020, 10, 572951.	3.9	11
82	Development of a multiple-antigen protein fusion vaccine candidate that confers protection against Bacillus anthracis and Yersinia pestis. PLoS Neglected Tropical Diseases, 2019, 13, e0007644.	3.0	10
83	TLR4 Participates in the Inflammatory Response Induced by the AAF/II Fimbriae From Enteroaggregative Escherichia coli on Intestinal Epithelial Cells. Frontiers in Cellular and Infection Microbiology, 2019, 9, 143.	3.9	10
84	Aggregative Adherence Fimbriae II of Enteroaggregative Escherichia coli Are Required for Adherence and Barrier Disruption during Infection of Human Colonoids. Infection and Immunity, 2020, 88, .	2.2	10
85	Defensins and Other Antimicrobial Peptides: Innate Defense of Mucosal Surfaces. , 0, , 17-34.		10
86	Mice with infectious colitis exhibit linear growth failure and subsequent catch-up growth related to systemic inflammation and IGF-1. Nutrition Research, 2017, 39, 34-42.	2.9	8
87	Pseudomonas aeruginosa Infections. , 0, , 305-326.		8
88	Dual Function of Aar, a Member of the New AraC Negative Regulator Family, in Escherichia coli Gene Expression. Infection and Immunity, 2020, 88, .	2.2	6
89	Lyme Borreliosis. , 0, , 281-304.		6
90	Role of Flagella in Mucosal Colonization. , 0, , 213-235.		5

90 Role of Flagella in Mucosal Colonization. , 0, , 213-235.

2

#	Article	IF	CITATIONS
91	Persistent Bacterial Infections: Commensalism Gone Awry or Adaptive Niche?. , 0, , 1-10.		5
92	Chlamydia spp., , 0, , 229-261.		5
93	Molecular Epidemiology of Rotavirus Strains in Symptomatic and Asymptomatic Children in Manhiça District, Southern Mozambique 2008–2019. Viruses, 2022, 14, 134.	3.3	5
94	Enteroaggregative Escherichia coli. , 2014, , 101-110.		4
95	<i>Bartonella</i> Species. , 0, , 339-353.		4
96	Pathological Consequences of Commensalism. , 0, , 115-144.		4
97	A conserved motif in the hexosyltransferases. Molecular Microbiology, 1999, 33, 222-222.	2.5	3
98	Autotransporter Proteins. EcoSal Plus, 2005, 1, .	5.4	3
99	Structure and Function of Mucosal Surfaces. , 2014, , 1-16.		3
100	Role of the <scp>YehD</scp> fimbriae in the virulenceâ€associated properties of enteroaggregative <scp><i>Escherichia coli</i></scp> . Environmental Microbiology, 2022, 24, 1035-1051.	3.8	3
101	Microbiota of Mucosal Surfaces in the Gut of Monogastric Animals. , 0, , 161-178.		3
102	Aggregation and Dispersal on Mucosal Surfaces. , 0, , 253-263.		3
103	Bacterial Infections in the Immunocompromised Host. , 0, , 145-163.		3
104	Interactions of the Commensal Flora with the Human Gastrointestinal Tract. , 0, , 179-186.		2
105	Colonization of the Vaginal and Urethral Mucosa. , 0, , 431-448.		2
106	Mechanisms of Adaptive Immunity That Prevent Colonization at Mucosal Surfaces. , 0, , 35-47.		2
107	Persistence of Infective Endocarditis. , 0, , 355-374.		2

108 Mathematical Models of Colonization and Persistence in Bacterial Infections. , 0, , 79-100.

7

#	Article	IF	CITATIONS
109	Polymicrobial Bacteriuria: Biofilm Formation on Foreign Bodies and Colonization of the Urinary Tract. , 0, , 409-429.		1
110	The Evolution of Bacterial Toxins. , 2014, , 167-188.		1
111	Rotavirus disease burden pre-vaccine introduction in young children in Rural Southern Mozambique, an area of high HIV prevalence. PLoS ONE, 2021, 16, e0249714.	2.5	1
112	Quorum Sensing in the Gastrointestinal Tract. , 0, , 187-198.		1
113	Mechanisms of Salmonella enterica Serotype Typhimurium Intestinal Colonization. , 0, , 301-312.		1
114	Role of Phosphorylcholine in Respiratory Tract Colonization. , 0, , 59-72.		1
115	Sialylation of the Gram-Negative Bacterial Cell Surface. , 0, , 73-85.		1
116	Competitive and Cooperative Interactions in the Respiratory Microflora. , 0, , 87-95.		1
117	Microbial Superantigens and Immunological Deregulation. , 0, , 183-197.		1
118	Dental Plaque. , 0, , 409-421.		1
119	Life on the Inside: Microbial Strategies for Intracellular Survival and Persistence. , 0, , 31-51.		1
120	Enteric Microbial Toxins and the Intestinal Epithelial Cytoskeleton. , 0, , 301-332.		1
121	Antigenic Variation and the Persistence of Extracellular Bacteria in Vertebrate Hosts. , 0, , 11-29.		1
122	Abscesses. , 0, , 397-408.		1
123	Water, Sanitation, and Hygiene Characteristics among HIV-Positive Households Participating in the Global Enteric Multicenter Study in Rural Western Kenya, 2008–2012. American Journal of Tropical Medicine and Hygiene, 2018, 99, 905-915.	1.4	1
124	Adhesins of Diffusely Adherent and Enteroaggregative <i>Escherichia coli</i> . EcoSal Plus, 2005, 1, .	5.4	0
125	In Response. American Journal of Tropical Medicine and Hygiene, 2016, 94, 482-482.	1.4	0
126	Global Infections and Child Health. Pediatric Clinics of North America, 2017, 64, xvii-xviii.	1.8	0

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127	Neisseria gonorrhoeae: Adaptation and Survival in the Urogenital Tract. , 0, , 199-227.		0
128	Signal Transduction in the Intestinal Mucosa. , 0, , 265-281.		0
129	Urease, Urolithiasis, and Colonization of the Urinary Tract. , 0, , 395-407.		0
130	Influence of $\hat{I}^{3}\hat{I}$ T Cells on the Development of Chronic Disease and Persistent Bacterial Infections. , 0, , 165-182.		0
131	Regulation in Response to Environmental Conditions. , 0, , 141-159.		0
132	Mechanisms for Establishing Persistence: Immune Modulation. , 0, , 53-78.		0
133	Title is missing!. , 2020, 14, e0008613.		0
134	Title is missing!. , 2020, 14, e0008613.		0
135	Title is missing!. , 2020, 14, e0008613.		0
136	Title is missing!. , 2020, 14, e0008613.		0
137	Title is missing!. , 2020, 14, e0008274.		0
138	Title is missing!. , 2020, 14, e0008274.		0
139	Title is missing!. , 2020, 14, e0008274.		0