

# Shannon D Manning

## List of Publications by Citations

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112  
papers

3,407  
citations

35  
h-index

55  
g-index

121  
ext. papers

4,207  
ext. citations

5.5  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
112	Variation in virulence among clades of Escherichia coli O157:H7 associated with disease outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 4868-73	11.5	354
111	Repeated evolution of an acetate-crossfeeding polymorphism in long-term populations of Escherichia coli. <i>Molecular Biology and Evolution</i> , <b>1998</b> , 15, 789-97	8.3	215
110	Multilocus sequence types associated with neonatal group B streptococcal sepsis and meningitis in Canada. <i>Journal of Clinical Microbiology</i> , <b>2009</b> , 47, 1143-8	9.7	138
109	Sepsis from the gut: the enteric habitat of bacteria that cause late-onset neonatal bloodstream infections. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 58, 1211-8	11.6	124
108	Intestinal microbial communities associated with acute enteric infections and disease recovery. <i>Microbiome</i> , <b>2015</b> , 3, 45	16.6	102
107	Uropathogenic Escherichia coli are more likely than commensal E. coli to be shared between heterosexual sex partners. <i>American Journal of Epidemiology</i> , <b>2002</b> , 156, 1133-40	3.8	80
106	Genetic Variation in Shiga Toxin-producing Escherichia coli Recovered from Patients in Michigan and Connecticut. <i>Open Forum Infectious Diseases</i> , <b>2017</b> , 4, S363-S363	1	78
105	Frequency of Antimicrobial Resistance in Shiga Toxin-Producing Escherichia coli (STEC) and Non-Typhoidal Salmonella (NTS) Clinical Infections and Association with Epidemiological Factors. <i>Open Forum Infectious Diseases</i> , <b>2017</b> , 4, S366-S366	1	78
104	2011. Identification of Streptococcus agalactiae on Human Fetal Membrane Tissues Using Raman Microspectroscopy. <i>Open Forum Infectious Diseases</i> , <b>2018</b> , 5, S586-S586	1	78
103	Group B Streptococcus colonization in male and nonpregnant female university students: a cross-sectional prevalence study. <i>Clinical Infectious Diseases</i> , <b>2002</b> , 34, 184-90	11.6	76
102	Genotypic diversity and serotype distribution of group B streptococcus isolated from women before and after delivery. <i>Clinical Infectious Diseases</i> , <b>2008</b> , 46, 1829-37	11.6	72
101	Choosing an appropriate bacterial typing technique for epidemiologic studies. <i>Epidemiologic Perspectives and Innovations</i> , <b>2005</b> , 2, 10		65
100	Risk factors for group B streptococcal colonization: potential for different transmission systems by capsular type. <i>Annals of Epidemiology</i> , <b>2007</b> , 17, 854-62	6.4	60
99	Increased adherence and expression of virulence genes in a lineage of Escherichia coli O157:H7 commonly associated with human infections. <i>PLoS ONE</i> , <b>2010</b> , 5, e10167	3.7	59
98	Exploiting the explosion of information associated with whole genome sequencing to tackle Shiga toxin-producing Escherichia coli (STEC) in global food production systems. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 187, 57-72	5.8	58
97	Variations in 10 putative uropathogen virulence genes among urinary, faecal and peri-urethral Escherichia coli. <i>Journal of Medical Microbiology</i> , <b>2002</b> , 51, 138-142	3.2	58
96	Prevalence of group B streptococcus colonization and potential for transmission by casual contact in healthy young men and women. <i>Clinical Infectious Diseases</i> , <b>2004</b> , 39, 380-8	11.6	54

95	Surveillance for Shiga toxin-producing Escherichia coli, Michigan, 2001-2005. <i>Emerging Infectious Diseases</i> , <b>2007</b> , 13, 318-21	10.2	53
94	Shiga toxin 2 overexpression in Escherichia coli O157:H7 strains associated with severe human disease. <i>Microbial Pathogenesis</i> , <b>2011</b> , 51, 466-70	3.8	52
93	Association of Group B Streptococcus colonization and bovine exposure: a prospective cross-sectional cohort study. <i>PLoS ONE</i> , <b>2010</b> , 5, e8795	3.7	51
92	Correlation between in vivo biofilm formation and virulence gene expression in Escherichia coli O104:H4. <i>PLoS ONE</i> , <b>2012</b> , 7, e41628	3.7	49
91	Whole genome sequencing of Mycobacterium tuberculosis reveals slow growth and low mutation rates during latent infections in humans. <i>PLoS ONE</i> , <b>2014</b> , 9, e91024	3.7	49
90	Differential expression of virulence and stress fitness genes between Escherichia coli O157:H7 strains with clinical or bovine-biased genotypes. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 60-8	4.8	47
89	Frequency of antimicrobial resistance among invasive and colonizing Group B streptococcal isolates. <i>BMC Infectious Diseases</i> , <b>2006</b> , 6, 57	4	47
88	Pilus distribution among lineages of group b streptococcus: an evolutionary and clinical perspective. <i>BMC Microbiology</i> , <b>2014</b> , 14, 159	4.5	46
87	Selection, recombination, and virulence gene diversity among group B streptococcal genotypes. <i>Journal of Bacteriology</i> , <b>2009</b> , 191, 5419-27	3.5	45
86	Genetic differentiation of Escherichia coli O157:H7 clades associated with human disease by real-time PCR. <i>Journal of Clinical Microbiology</i> , <b>2008</b> , 46, 2070-3	9.7	45
85	Shiga toxin-producing Escherichia coli in swine: the public health perspective. <i>Animal Health Research Reviews</i> , <b>2014</b> , 15, 63-75	2.1	44
84	Differences in adherence and virulence gene expression between two outbreak strains of enterohaemorrhagic Escherichia coli O157 : H7. <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 408-419	2.9	44
83	Comparison of DNA dot blot hybridization and lancefield capillary precipitin methods for group B streptococcal capsular typing. <i>Journal of Clinical Microbiology</i> , <b>2004</b> , 42, 146-50	9.7	41
82	Molecular epidemiologic approaches to urinary tract infection gene discovery in uropathogenic Escherichia coli. <i>Infection and Immunity</i> , <b>2000</b> , 68, 2009-15	3.7	38
81	Factors Associated with Shiga Toxin-Producing Escherichia coli Shedding by Dairy and Beef Cattle. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 5049-56	4.8	38
80	Group B Induces Neutrophil Recruitment to Gestational Tissues and Elaboration of Extracellular Traps and Nutritional Immunity. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 19	5.9	36
79	Characterization of enteropathogenic and Shiga toxin-producing Escherichia coli in cattle and deer in a shared agroecosystem. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2015</b> , 5, 29	5.9	36
78	Phylogenetic Clades 6 and 8 of Enterohemorrhagic Escherichia coli O157:H7 With Particular stx Subtypes are More Frequently Found in Isolates From Hemolytic Uremic Syndrome Patients Than From Asymptomatic Carriers. <i>Open Forum Infectious Diseases</i> , <b>2014</b> , 1, ofu061	1	36

77	Determinants of co-colonization with group B streptococcus among heterosexual college couples. <i>Epidemiology</i> , <b>2002</b> , 13, 533-9	3.1	34
76	Diverse virulence gene content of Shiga toxin-producing Escherichia coli from finishing swine. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 6395-402	4.8	32
75	Correlates of antibiotic-resistant group B streptococcus isolated from pregnant women. <i>Obstetrics and Gynecology</i> , <b>2003</b> , 101, 74-9	4.9	31
74	Association between genotypic diversity and biofilm production in group B Streptococcus. <i>BMC Microbiology</i> , <b>2016</b> , 16, 86	4.5	31
73	Acquisition and persistence of antimicrobial-resistant bacteria isolated from dogs and cats admitted to a veterinary teaching hospital. <i>Journal of the American Veterinary Medical Association</i> , <b>2013</b> , 243, 990-1000	1	30
72	Impact of age and sex on the composition and abundance of the intestinal microbiota in individuals with and without enteric infections. <i>Annals of Epidemiology</i> , <b>2016</b> , 26, 380-5	6.4	30
71	Comparing the Genetic Diversity and Antimicrobial Resistance Profiles of Recovered from Cattle and Humans. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 818	5.7	29
70	The frequency of genes encoding three putative group B streptococcal virulence factors among invasive and colonizing isolates. <i>BMC Infectious Diseases</i> , <b>2006</b> , 6, 116	4	28
69	Correlates of Antibiotic-Resistant Group B Streptococcus Isolated From Pregnant Women. <i>Obstetrics and Gynecology</i> , <b>2003</b> , 101, 74-79	4.9	27
68	Incidence and duration of group B Streptococcus by serotype among male and female college students living in a single dormitory. <i>American Journal of Epidemiology</i> , <b>2006</b> , 163, 544-51	3.8	25
67	Antimicrobial Susceptibility Profiles of Human Campylobacter jejuni Isolates and Association with Phylogenetic Lineages. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 589	5.7	25
66	DNA polymorphism and molecular subtyping of the capsular gene cluster of group B streptococcus. <i>Journal of Clinical Microbiology</i> , <b>2005</b> , 43, 6113-6	9.7	24
65	Clade 8 and Clade 6 Strains of Escherichia coli O157:H7 from Cattle in Argentina have Hypervirulent-Like Phenotypes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127710	3.7	24
64	Increasing incidence of non-O157 Shiga toxin-producing Escherichia coli (STEC) in Michigan and association with clinical illness. <i>Epidemiology and Infection</i> , <b>2016</b> , 144, 1394-405	4.3	23
63	Prevalence and characteristics of Shiga toxin-producing Escherichia coli in finishing pigs: Implications on public health. <i>International Journal of Food Microbiology</i> , <b>2018</b> , 264, 8-15	5.8	20
62	Population gene introgression and high genome plasticity for the zoonotic pathogen Streptococcus agalactiae. <i>Molecular Biology and Evolution</i> , <b>2019</b> ,	8.3	19
61	Draft genome sequences of the diarrheagenic Escherichia coli collection. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 3026-7	3.5	19
60	Differing mechanisms of surviving phagosomal stress among group B Streptococcus strains of varying genotypes. <i>Virulence</i> , <b>2017</b> , 8, 924-937	4.7	18

59	Vaccination for Group B Streptococcus during pregnancy: attitudes and concerns of women and health care providers. <i>Social Science and Medicine</i> , <b>2006</b> , 63, 347-58	5.1	18
58	Genetic diversity and antimicrobial resistance in group B streptococcus colonizing young, nonpregnant women. <i>Clinical Infectious Diseases</i> , <b>2008</b> , 47, 388-90	11.6	17
57	Naturally occurring antibodies for the group B streptococcal surface immunogenic protein (Sip) in pregnant women and newborn babies. <i>Vaccine</i> , <b>2006</b> , 24, 6905-12	4.1	17
56	Association and virulence gene expression vary among serotype III group B streptococcus isolates following exposure to decidual and lung epithelial cells. <i>Infection and Immunity</i> , <b>2014</b> , 82, 4587-95	3.7	16
55	Investigation of the Role That NADH Peroxidase Plays in Oxidative Stress Survival in Group B. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2786	5.7	16
54	Genomic Analysis of Salmonella enterica Serovar Typhimurium Characterizes Strain Diversity for Recent U.S. Salmonellosis Cases and Identifies Mutations Linked to Loss of Fitness under Nitrosative and Oxidative Stress. <i>MBio</i> , <b>2016</b> , 7, e00154	7.8	15
53	Molecular epidemiology of Streptococcus agalactiae (group B Streptococcus). <i>Frontiers in Bioscience - Landmark</i> , <b>2003</b> , 8, s1-18	2.8	14
52	Prevalence of known P-fimbrial G alleles in Escherichia coli and identification of a new adhesin class. <i>Vaccine Journal</i> , <b>2001</b> , 8, 637-40		14
51	Antimicrobial Drug-Resistant Shiga Toxin-Producing Escherichia coli Infections, Michigan, USA. <i>Emerging Infectious Diseases</i> , <b>2017</b> , 23, 1609-1611	10.2	13
50	A Solution to Antifolate Resistance in Group B : Untargeted Metabolomics Identifies Human Milk Oligosaccharide-Induced Perturbations That Result in Potentiation of Trimethoprim. <i>MBio</i> , <b>2020</b> , 11,	7.8	13
49	Group B streptococcal colonization and transmission dynamics in pregnant women and their newborns in Nigeria: implications for prevention strategies. <i>Clinical Microbiology and Infection</i> , <b>2017</b> , 23, 673.e9-673.e16	9.5	12
48	Intestinal Microbial Community Dynamics of White-Tailed Deer ( <i>Odocoileus virginianus</i> ) in an Agroecosystem. <i>Microbial Ecology</i> , <b>2017</b> , 74, 496-506	4.4	12
47	Effects of a high fat diet on gut microbiome dysbiosis in a mouse model of Gulf War Illness. <i>Scientific Reports</i> , <b>2020</b> , 10, 9529	4.9	12
46	A Nonhemolytic Group B Streptococcus Strain Exhibits Hypervirulence. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 983-987	7	12
45	Prevalence of the operon encoding subtilase cytotoxin in non-O157 Shiga toxin-producing Escherichia coli isolated from humans in the United States. <i>Journal of Clinical Microbiology</i> , <b>2009</b> , 47, 3058-9	9.7	12
44	Antibacterial and Anti-biofilm Activity of the Human Breast Milk Glycoprotein Lactoferrin against Group B Streptococcus. <i>ChemBioChem</i> , <b>2021</b> , 22, 2124-2133	3.8	12
43	Factors associated with increasing campylobacteriosis incidence in Michigan, 2004-2013. <i>Epidemiology and Infection</i> , <b>2016</b> , 144, 3316-3325	4.3	12
42	Lactoferrin: A Critical Mediator of Both Host Immune Response and Antimicrobial Activity in Response to Streptococcal Infections. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 1615-1623	5.5	11

41	Intrinsic Maturational Neonatal Immune Deficiencies and Susceptibility to Group B Streptococcus Infection. <i>Clinical Microbiology Reviews</i> , <b>2017</b> , 30, 973-989	34	9
40	Protein kinase D mediates inflammatory responses of human placental macrophages to Group B Streptococcus. <i>American Journal of Reproductive Immunology</i> , <b>2019</b> , 81, e13075	3.8	9
39	Draft Genome Sequence of an Invasive Streptococcus agalactiae Isolate Lacking Pigmentation. <i>Genome Announcements</i> , <b>2016</b> , 4,		8
38	Modulation of Death and Inflammatory Signaling in Decidual Stromal Cells following Exposure to Group B. <i>Infection and Immunity</i> , <b>2019</b> , 87,	3.7	7
37	Contribution of the RgFD Quorum Sensing Peptide to rgf Regulation and Host Cell Association in Group B Streptococcus. <i>Genes</i> , <b>2017</b> , 8,	4.2	7
36	Increasing Frequencies of Antibiotic Resistant Non-typhoidal Infections in Michigan and Risk Factors for Disease. <i>Frontiers in Medicine</i> , <b>2019</b> , 6, 250	4.9	7
35	Genetically distinct Group B Streptococcus strains induce varying macrophage cytokine responses. <i>PLoS ONE</i> , <b>2019</b> , 14, e0222910	3.7	6
34	Within-Farm Changes in Dairy Farm-Associated Salmonella Subtypes and Comparison to Human Clinical Isolates in Michigan, 2000-2001 and 2009. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 5724-5735	4.8	6
33	Genetic Diversity of Non-O157 Shiga Toxin-Producing Recovered From Patients in Michigan and Connecticut. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 529	5.7	6
32	Whole-genome shotgun sequencing of a colonizing multilocus sequence type 17 Streptococcus agalactiae strain. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 6005	3.5	6
31	Vitamin D and Streptococci: The Interface of Nutrition, Host Immune Response, and Antimicrobial Activity in Response to Infection. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 3131-3140	5.5	6
30	Analysis of Antimicrobial and Antibiofilm Activity of Human Milk Lactoferrin Compared to Bovine Lactoferrin against Multidrug Resistant and Susceptible Clinical Isolates. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 2116-2126	5.5	6
29	The impact of Lactobacillus on group B streptococcal interactions with cells of the extraplacental membranes. <i>Microbial Pathogenesis</i> , <b>2020</b> , 148, 104463	3.8	5
28	High prevalence of clade 8 Escherichia coli O157:H7 isolated from retail meat and butcher shop environment. <i>Infection, Genetics and Evolution</i> , <b>2016</b> , 45, 1-5	4.5	5
27	Analysis of virulence phenotypes and antibiotic resistance in clinical strains of Acinetobacter baumannii isolated in Nashville, Tennessee. <i>BMC Microbiology</i> , <b>2021</b> , 21, 21	4.5	5
26	Effect of feeding a direct-fed microbial on total and antimicrobial-resistant fecal coliform counts in preweaned dairy calves. <i>American Journal of Veterinary Research</i> , <b>2015</b> , 76, 780-8	1.1	4
25	Emergence of a hypervirulent neonatal pathogen. <i>Lancet Infectious Diseases</i> , <b>2014</b> , 14, 1028-1030	25.5	4
24	Antibiofilm Activity of Human Milk Oligosaccharides against Multidrug Resistant and Susceptible Isolates of. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 3254-3263	5.5	4

23	Variation in Macrophage Phagocytosis of Does Not Reflect Bacterial Capsular Serotype, Multilocus Sequence Type, or Association with Invasive Infection. <i>Pathogens and Immunity</i> , <b>2018</b> , 3, 63-71	4.9	4
22	Raman microspectroscopy differentiates perinatal pathogens on ex vivo infected human fetal membrane tissues. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201800449	3.1	3
21	Epidemiologic Associations Vary Between Tetracycline and Fluoroquinolone Resistant Infections. <i>Frontiers in Public Health</i> , <b>2021</b> , 9, 672473	6	3
20	Population structure and genetic diversity of non-O157 Shiga toxin-producing Escherichia coli (STEC) clinical isolates from Michigan. <i>Scientific Reports</i> , <b>2021</b> , 11, 4461	4.9	3
19	Characterizing the Cattle Gut Microbiome in Farms with a High and Low Prevalence of Shiga Toxin Producing. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	3
18	Draft Genome Sequence of a Diarrheagenic Morganella morganii Isolate. <i>Genome Announcements</i> , <b>2015</b> , 3,		2
17	Heat Waves, Impervious Surfaces, and Hospital Admissions among the Elderly in U.S. Cities. <i>Epidemiology</i> , <b>2009</b> , 20, S145	3.1	2
16	Genetic and Phenotypic Factors Associated with Persistent Shedding of Shiga Toxin-Producing Escherichia coli by Beef Cattle. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	2
15	Lactobacillus strains vary in their ability to interact with human endometrial stromal cells. <i>PLoS ONE</i> , <b>2020</b> , 15, e0238993	3.7	2
14	Group B Is Required for Serotype V Capsule Production and Aids in Biofilm Formation and Ascending Infection of the Reproductive Tract during Pregnancy. <i>ACS Infectious Diseases</i> , <b>2021</b> , 7, 2686-2696	5.5	2
13	Variability in the Occupancy of O157 Integration Sites by Shiga Toxin-Encoding Prophages. <i>Toxins</i> , <b>2021</b> , 13,	4.9	2
12	Bovine Leukemia Virus and Mycobacterium avium subsp. paratuberculosis Are Not Associated with Shiga Toxin-Producing Escherichia coli Shedding in Cattle. <i>Journal of Food Protection</i> , <b>2017</b> , 80, 86-89	2.5	1
11	The antimicrobial activity of zinc against group B Streptococcus is strain-dependent across diverse sequence types, capsular serotypes, and invasive versus colonizing isolates.. <i>BMC Microbiology</i> , <b>2022</b> , 22, 23	4.5	1
10	Production and Composition of Group B Streptococcal Membrane Vesicles Vary Across Diverse Lineages. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 770499	5.7	1
9	Analysis of Susceptibility to the Antimicrobial and Anti-Biofilm Activity of Human Milk Lactoferrin in Clinical Strains of With Diverse Capsular and Sequence Types. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2021</b> , 11, 740872	5.9	1
8	Comparing gut resistome composition among patients with acute Campylobacter infections and healthy family members. <i>Scientific Reports</i> , <b>2021</b> , 11, 22368	4.9	0
7	Zoonotic Transmission of to Caretakers From Sick Pen Calves Carrying a Mixed Population of Strains With and Without Guillain Barré Syndrome-Associated Lipooligosaccharide Loci.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 800269	5.7	0
6	Molecular Characterization of Shiga Toxin-Producing Escherichia coli <b>2014</b> , 275-302		

- 5 1199. Phylogenomic analysis of *Campylobacter jejuni* isolated from gastroenteritis cases in Michigan. *Open Forum Infectious Diseases*, **2020**, 7, S621-S621 1
- 4 Genomic analysis of shiga toxin-containing *Escherichia coli* O157:H7 isolated from Argentinean cattle. *PLoS ONE*, **2021**, 16, e0258753 3-7
- 3 Molecular Evolution of Enterohemorrhagic *Escherichia coli* and Application to Epidemiology 287-302
- 2 The Evolution of Foodborne Pathogens **2011**, 455-487
- 1 Antibiotic Susceptibility Profiles and Frequency of Resistance Genes in Clinical Shiga Toxin-Producing *Escherichia coli* Isolates from Michigan over a 14-Year Period. *Antimicrobial Agents and Chemotherapy*, **2021**, 65, e0118921 5-9