

Shannon D Manning

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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> , 2022 , 22, 23	4.5	1
111	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> , 2022 , 13, 800269	5.7	0
110	Production and Composition of Group B Streptococcal Membrane Vesicles Vary Across Diverse Lineages. <i>Frontiers in Microbiology</i> , 2021 , 12, 770499	5.7	1
109	Comparing gut resistome composition among patients with acute Campylobacter infections and healthy family members. <i>Scientific Reports</i> , 2021 , 11, 22368	4.9	0
108	Antibiofilm Activity of Human Milk Oligosaccharides against Multidrug Resistant and Susceptible Isolates of. <i>ACS Infectious Diseases</i> , 2021 , 7, 3254-3263	5.5	4
107	Genomic analysis of shiga toxin-containing Escherichia coli O157:H7 isolated from Argentinean cattle. <i>PLoS ONE</i> , 2021 , 16, e0258753	3.7	
106	Antibacterial and Anti-biofilm Activity of the Human Breast Milk Glycoprotein Lactoferrin against Group B Streptococcus. <i>ChemBioChem</i> , 2021 , 22, 2124-2133	3.8	12
105	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> , 2021 , 7, 2116-2126	5.5	6
104	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> , 2021 , 7, 2686-2696	5.5	2
103	Epidemiologic Associations Vary Between Tetracycline and Fluoroquinolone Resistant Infections. <i>Frontiers in Public Health</i> , 2021 , 9, 672473	6	3
102	Variability in the Occupancy of O157 Integration Sites by Shiga Toxin-Encoding Prophages. <i>Toxins</i> , 2021 , 13,	4.9	2
101	Analysis of virulence phenotypes and antibiotic resistance in clinical strains of Acinetobacter baumannii isolated in Nashville, Tennessee. <i>BMC Microbiology</i> , 2021 , 21, 21	4.5	5
100	Population structure and genetic diversity of non-O157 Shiga toxin-producing Escherichia coli (STEC) clinical isolates from Michigan. <i>Scientific Reports</i> , 2021 , 11, 4461	4.9	3
99	Antibiotic Susceptibility Profiles and Frequency of Resistance Genes in Clinical Shiga Toxin-Producing Escherichia coli Isolates from Michigan over a 14-Year Period. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65, e0118921	5.9	
98	Characterizing the Cattle Gut Microbiome in Farms with a High and Low Prevalence of Shiga Toxin Producing. <i>Microorganisms</i> , 2021 , 9,	4.9	3
97	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> , 2021 , 11, 740872	5.9	1
96	Effects of a high fat diet on gut microbiome dysbiosis in a mouse model of Gulf War Illness. <i>Scientific Reports</i> , 2020 , 10, 9529	4.9	12

95	Genetic Diversity of Non-O157 Shiga Toxin-Producing Recovered From Patients in Michigan and Connecticut. <i>Frontiers in Microbiology</i> , 2020 , 11, 529	5.7	6
94	Lactoferrin: A Critical Mediator of Both Host Immune Response and Antimicrobial Activity in Response to Streptococcal Infections. <i>ACS Infectious Diseases</i> , 2020 , 6, 1615-1623	5.5	11
93	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> , 2020 , 11,	7.8	13
92	1199. Phylogenomic analysis of <i>Campylobacter jejuni</i> isolated from gastroenteritis cases in Michigan. <i>Open Forum Infectious Diseases</i> , 2020 , 7, S621-S621	1	
91	Vitamin D and Streptococci: The Interface of Nutrition, Host Immune Response, and Antimicrobial Activity in Response to Infection. <i>ACS Infectious Diseases</i> , 2020 , 6, 3131-3140	5.5	6
90	Genetic and Phenotypic Factors Associated with Persistent Shedding of Shiga Toxin-Producing <i>Escherichia coli</i> by Beef Cattle. <i>Applied and Environmental Microbiology</i> , 2020 , 86,	4.8	2
89	The impact of <i>Lactobacillus</i> on group B streptococcal interactions with cells of the extraplacental membranes. <i>Microbial Pathogenesis</i> , 2020 , 148, 104463	3.8	5
88	<i>Lactobacillus</i> strains vary in their ability to interact with human endometrial stromal cells. <i>PLoS ONE</i> , 2020 , 15, e0238993	3.7	2
87	Genetically distinct Group B <i>Streptococcus</i> strains induce varying macrophage cytokine responses. <i>PLoS ONE</i> , 2019 , 14, e0222910	3.7	6
86	Modulation of Death and Inflammatory Signaling in Decidual Stromal Cells following Exposure to Group B. <i>Infection and Immunity</i> , 2019 , 87,	3.7	7
85	Raman microspectroscopy differentiates perinatal pathogens on ex vivo infected human fetal membrane tissues. <i>Journal of Biophotonics</i> , 2019 , 12, e201800449	3.1	3
84	Population gene introgression and high genome plasticity for the zoonotic pathogen <i>Streptococcus agalactiae</i> . <i>Molecular Biology and Evolution</i> , 2019 ,	8.3	19
83	Increasing Frequencies of Antibiotic Resistant Non-typhoidal Infections in Michigan and Risk Factors for Disease. <i>Frontiers in Medicine</i> , 2019 , 6, 250	4.9	7
82	Protein kinase D mediates inflammatory responses of human placental macrophages to Group B <i>Streptococcus</i> . <i>American Journal of Reproductive Immunology</i> , 2019 , 81, e13075	3.8	9
81	A Nonhemolytic Group B <i>Streptococcus</i> Strain Exhibits Hypervirulence. <i>Journal of Infectious Diseases</i> , 2018 , 217, 983-987	7	12
80	Prevalence and characteristics of Shiga toxin-producing <i>Escherichia coli</i> in finishing pigs: Implications on public health. <i>International Journal of Food Microbiology</i> , 2018 , 264, 8-15	5.8	20
79	Variation in Macrophage Phagocytosis of Does Not Reflect Bacterial Capsular Serotype, Multilocus Sequence Type, or Association with Invasive Infection. <i>Pathogens and Immunity</i> , 2018 , 3, 63-71	4.9	4
78	2011. Identification of <i>Streptococcus agalactiae</i> on Human Fetal Membrane Tissues Using Raman Microspectroscopy. <i>Open Forum Infectious Diseases</i> , 2018 , 5, S586-S586	1	78

77	Investigation of the Role That NADH Peroxidase Plays in Oxidative Stress Survival in Group B. <i>Frontiers in Microbiology</i> , 2018 , 9, 2786	5.7	16
76	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> , 2017 , 23, 673.e9-673.e16	9.5	12
75	Intestinal Microbial Community Dynamics of White-Tailed Deer (<i>Odocoileus virginianus</i>) in an Agroecosystem. <i>Microbial Ecology</i> , 2017 , 74, 496-506	4.4	12
74	Antimicrobial Drug-Resistant Shiga Toxin-Producing <i>Escherichia coli</i> Infections, Michigan, USA. <i>Emerging Infectious Diseases</i> , 2017 , 23, 1609-1611	10.2	13
73	Genetic Variation in Shiga Toxin-producing <i>Escherichia coli</i> Recovered from Patients in Michigan and Connecticut. <i>Open Forum Infectious Diseases</i> , 2017 , 4, S363-S363	1	78
72	Bovine Leukemia Virus and <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Are Not Associated with Shiga Toxin-Producing <i>Escherichia coli</i> Shedding in Cattle. <i>Journal of Food Protection</i> , 2017 , 80, 86-89	2.5	1
71	Intrinsic Maturational Neonatal Immune Deficiencies and Susceptibility to Group B Streptococcus Infection. <i>Clinical Microbiology Reviews</i> , 2017 , 30, 973-989	34	9
70	Differing mechanisms of surviving phagosomal stress among group B Streptococcus strains of varying genotypes. <i>Virulence</i> , 2017 , 8, 924-937	4.7	18
69	Frequency of Antimicrobial Resistance in Shiga Toxin-Producing <i>Escherichia coli</i> (STEC) and Non-Typhoidal Salmonella (NTS) Clinical Infections and Association with Epidemiological Factors. <i>Open Forum Infectious Diseases</i> , 2017 , 4, S366-S366	1	78
68	Contribution of the RgfD Quorum Sensing Peptide to <i>rgf</i> Regulation and Host Cell Association in Group B Streptococcus. <i>Genes</i> , 2017 , 8,	4.2	7
67	Group B Induces Neutrophil Recruitment to Gestational Tissues and Elaboration of Extracellular Traps and Nutritional Immunity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017 , 7, 19	5.9	36
66	Comparing the Genetic Diversity and Antimicrobial Resistance Profiles of Recovered from Cattle and Humans. <i>Frontiers in Microbiology</i> , 2017 , 8, 818	5.7	29
65	Genomic Analysis of <i>Salmonella enterica</i> 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> , 2016 , 7, e00154	7.8	15
64	Antimicrobial Susceptibility Profiles of Human <i>Campylobacter jejuni</i> Isolates and Association with Phylogenetic Lineages. <i>Frontiers in Microbiology</i> , 2016 , 7, 589	5.7	25
63	Factors Associated with Shiga Toxin-Producing <i>Escherichia coli</i> Shedding by Dairy and Beef Cattle. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5049-56	4.8	38
62	Draft Genome Sequence of an Invasive <i>Streptococcus agalactiae</i> Isolate Lacking Pigmentation. <i>Genome Announcements</i> , 2016 , 4,		8
61	Factors associated with increasing campylobacteriosis incidence in Michigan, 2004-2013. <i>Epidemiology and Infection</i> , 2016 , 144, 3316-3325	4.3	12
60	Association between genotypic diversity and biofilm production in group B Streptococcus. <i>BMC Microbiology</i> , 2016 , 16, 86	4.5	31

59	Increasing incidence of non-O157 Shiga toxin-producing Escherichia coli (STEC) in Michigan and association with clinical illness. <i>Epidemiology and Infection</i> , 2016 , 144, 1394-405	4.3	23
58	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> , 2016 , 26, 380-5	6.4	30
57	High prevalence of clade 8 Escherichia coli O157:H7 isolated from retail meat and butcher shop environment. <i>Infection, Genetics and Evolution</i> , 2016 , 45, 1-5	4.5	5
56	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> , 2015 , 81, 5724-35	4.8	6
55	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> , 2015 , 76, 780-8	1.1	4
54	Intestinal microbial communities associated with acute enteric infections and disease recovery. <i>Microbiome</i> , 2015 , 3, 45	16.6	102
53	Draft Genome Sequence of a Diarrheagenic Morganella morganii Isolate. <i>Genome Announcements</i> , 2015 , 3,		2
52	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> , 2015 , 5, 29	5.9	36
51	Clade 8 and Clade 6 Strains of Escherichia coli O157:H7 from Cattle in Argentina have Hypervirulent-Like Phenotypes. <i>PLoS ONE</i> , 2015 , 10, e0127710	3.7	24
50	Sepsis from the gut: the enteric habitat of bacteria that cause late-onset neonatal bloodstream infections. <i>Clinical Infectious Diseases</i> , 2014 , 58, 1211-8	11.6	124
49	Emergence of a hypervirulent neonatal pathogen. <i>Lancet Infectious Diseases, The</i> , 2014 , 14, 1028-1030	25.5	4
48	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> , 2014 , 187, 57-72	5.8	58
47	Pilus distribution among lineages of group b streptococcus: an evolutionary and clinical perspective. <i>BMC Microbiology</i> , 2014 , 14, 159	4.5	46
46	Diverse virulence gene content of Shiga toxin-producing Escherichia coli from finishing swine. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 6395-402	4.8	32
45	Molecular Characterization of Shiga Toxin-Producing Escherichia coli 2014 , 275-302		
44	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> , 2014 , 82, 4587-95	3.7	16
43	Shiga toxin-producing Escherichia coli in swine: the public health perspective. <i>Animal Health Research Reviews</i> , 2014 , 15, 63-75	2.1	44
42	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> , 2014 , 1, ofu061	1	36

41	Whole genome sequencing of <i>Mycobacterium tuberculosis</i> reveals slow growth and low mutation rates during latent infections in humans. <i>PLoS ONE</i> , 2014 , 9, e91024	3.7	49
40	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> , 2013 , 243, 990-1000	1	30
39	Draft genome sequences of the diarrheagenic <i>Escherichia coli</i> collection. <i>Journal of Bacteriology</i> , 2012 , 194, 3026-7	3.5	19
38	Whole-genome shotgun sequencing of a colonizing multilocus sequence type 17 <i>Streptococcus agalactiae</i> strain. <i>Journal of Bacteriology</i> , 2012 , 194, 6005	3.5	6
37	Correlation between in vivo biofilm formation and virulence gene expression in <i>Escherichia coli</i> O104:H4. <i>PLoS ONE</i> , 2012 , 7, e41628	3.7	49
36	Shiga toxin 2 overexpression in <i>Escherichia coli</i> O157:H7 strains associated with severe human disease. <i>Microbial Pathogenesis</i> , 2011 , 51, 466-70	3.8	52
35	The Evolution of Foodborne Pathogens 2011 , 455-487		
34	Association of Group B <i>Streptococcus</i> colonization and bovine exposure: a prospective cross-sectional cohort study. <i>PLoS ONE</i> , 2010 , 5, e8795	3.7	51
33	Increased adherence and expression of virulence genes in a lineage of <i>Escherichia coli</i> O157:H7 commonly associated with human infections. <i>PLoS ONE</i> , 2010 , 5, e10167	3.7	59
32	Differential expression of virulence and stress fitness genes between <i>Escherichia coli</i> O157:H7 strains with clinical or bovine-biased genotypes. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 60-8	4.8	47
31	Differences in adherence and virulence gene expression between two outbreak strains of enterohaemorrhagic <i>Escherichia coli</i> O157 : H7. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 408-419	2.9	44
30	Prevalence of the operon encoding subtilase cytotoxin in non-O157 Shiga toxin-producing <i>Escherichia coli</i> isolated from humans in the United States. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 3058-9	9.7	12
29	Selection, recombination, and virulence gene diversity among group B streptococcal genotypes. <i>Journal of Bacteriology</i> , 2009 , 191, 5419-27	3.5	45
28	Multilocus sequence types associated with neonatal group B streptococcal sepsis and meningitis in Canada. <i>Journal of Clinical Microbiology</i> , 2009 , 47, 1143-8	9.7	138
27	Heat Waves, Impervious Surfaces, and Hospital Admissions among the Elderly in U.S. Cities. <i>Epidemiology</i> , 2009 , 20, S145	3.1	2
26	Variation in virulence among clades of <i>Escherichia coli</i> O157:H7 associated with disease outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4868-73	11.5	354
25	Genetic differentiation of <i>Escherichia coli</i> O157:H7 clades associated with human disease by real-time PCR. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 2070-3	9.7	45
24	Genetic diversity and antimicrobial resistance in group B streptococcus colonizing young, nonpregnant women. <i>Clinical Infectious Diseases</i> , 2008 , 47, 388-90	11.6	17

23	Genotypic diversity and serotype distribution of group B streptococcus isolated from women before and after delivery. <i>Clinical Infectious Diseases</i> , 2008 , 46, 1829-37	11.6	72
22	Surveillance for Shiga toxin-producing Escherichia coli, Michigan, 2001-2005. <i>Emerging Infectious Diseases</i> , 2007 , 13, 318-21	10.2	53
21	Risk factors for group B streptococcal colonization: potential for different transmission systems by capsular type. <i>Annals of Epidemiology</i> , 2007 , 17, 854-62	6.4	60
20	Vaccination for Group B Streptococcus during pregnancy: attitudes and concerns of women and health care providers. <i>Social Science and Medicine</i> , 2006 , 63, 347-58	5.1	18
19	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> , 2006 , 163, 544-51	3.8	25
18	Naturally occurring antibodies for the group B streptococcal surface immunogenic protein (Sip) in pregnant women and newborn babies. <i>Vaccine</i> , 2006 , 24, 6905-12	4.1	17
17	The frequency of genes encoding three putative group B streptococcal virulence factors among invasive and colonizing isolates. <i>BMC Infectious Diseases</i> , 2006 , 6, 116	4	28
16	Frequency of antimicrobial resistance among invasive and colonizing Group B streptococcal isolates. <i>BMC Infectious Diseases</i> , 2006 , 6, 57	4	47
15	Choosing an appropriate bacterial typing technique for epidemiologic studies. <i>Epidemiologic Perspectives and Innovations</i> , 2005 , 2, 10		65
14	DNA polymorphism and molecular subtyping of the capsular gene cluster of group B streptococcus. <i>Journal of Clinical Microbiology</i> , 2005 , 43, 6113-6	9.7	24
13	Prevalence of group B streptococcus colonization and potential for transmission by casual contact in healthy young men and women. <i>Clinical Infectious Diseases</i> , 2004 , 39, 380-8	11.6	54
12	Comparison of DNA dot blot hybridization and lancefield capillary precipitin methods for group B streptococcal capsular typing. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 146-50	9.7	41
11	Correlates of Antibiotic-Resistant Group B Streptococcus Isolated From Pregnant Women. <i>Obstetrics and Gynecology</i> , 2003 , 101, 74-79	4.9	27
10	Molecular epidemiology of Streptococcus agalactiae (group B Streptococcus). <i>Frontiers in Bioscience - Landmark</i> , 2003 , 8, s1-18	2.8	14
9	Correlates of antibiotic-resistant group B streptococcus isolated from pregnant women. <i>Obstetrics and Gynecology</i> , 2003 , 101, 74-9	4.9	31
8	Uropathogenic Escherichia coli are more likely than commensal E. coli to be shared between heterosexual sex partners. <i>American Journal of Epidemiology</i> , 2002 , 156, 1133-40	3.8	80
7	Group B Streptococcus colonization in male and nonpregnant female university students: a cross-sectional prevalence study. <i>Clinical Infectious Diseases</i> , 2002 , 34, 184-90	11.6	76
6	Determinants of co-colonization with group B streptococcus among heterosexual college couples. <i>Epidemiology</i> , 2002 , 13, 533-9	3.1	34

5	Variations in 10 putative uropathogen virulence genes among urinary, faecal and peri-urethral <i>Escherichia coli</i> . <i>Journal of Medical Microbiology</i> , 2002 , 51, 138-142	3.2	58
4	Prevalence of known P-fimbrial G alleles in <i>Escherichia coli</i> and identification of a new adhesin class. <i>Vaccine Journal</i> , 2001 , 8, 637-40		14
3	Molecular epidemiologic approaches to urinary tract infection gene discovery in uropathogenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2000 , 68, 2009-15	3.7	38
2	Repeated evolution of an acetate-crossfeeding polymorphism in long-term populations of <i>Escherichia coli</i> . <i>Molecular Biology and Evolution</i> , 1998 , 15, 789-97	8.3	215
1	Molecular Evolution of Enterohemorrhagic <i>Escherichia coli</i> and Application to Epidemiology	287-302	