Shannon D Manning

List of Publications by Year
in descending order

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117	4,330	94433	128289
papers	citations	37	60
		h-index	g-index

121	121	121	4431
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Variation in virulence among clades of Escherichia coli O157:H7 associated with disease outbreaks. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4868-4873.	7.1	432
2	Repeated evolution of an acetate-crossfeeding polymorphism in long-term populations of Escherichia coli. Molecular Biology and Evolution, 1998, 15, 789-797.	8.9	245
3	Multilocus Sequence Types Associated with Neonatal Group B Streptococcal Sepsis and Meningitis in Canada. Journal of Clinical Microbiology, 2009, 47, 1143-1148.	3.9	189
4	Sepsis From the Gut: The Enteric Habitat of Bacteria That Cause Late-Onset Neonatal Bloodstream Infections. Clinical Infectious Diseases, 2014, 58, 1211-1218.	5.8	160
5	Intestinal microbial communities associated with acute enteric infections and disease recovery. Microbiome, 2015, 3, 45.	11.1	151
6	Uropathogenic Escherichia coli Are More Likely than Commensal E. coli to Be Shared between Heterosexual Sex Partners. American Journal of Epidemiology, 2002, 156, 1133-1140.	3.4	96
7	Group BStreptococcusColonization in Male and Nonpregnant Female University Students: A Crossâ€Sectional Prevalence Study. Clinical Infectious Diseases, 2002, 34, 184-190.	5.8	90
8	Genotypic Diversity and Serotype Distribution of Group BStreptococcusIsolated from Women Before and After Delivery. Clinical Infectious Diseases, 2008, 46, 1829-1837.	5.8	87
9	Exploiting the explosion of information associated with whole genome sequencing to tackle Shiga toxin-producing Escherichia coli (STEC) in global food production systems. International Journal of Food Microbiology, 2014, 187, 57-72.	4.7	83
10	Risk Factors for Group B Streptococcal Colonization: Potential for Different Transmission Systems by Capsular Type. Annals of Epidemiology, 2007, 17, 854-862.	1.9	80
11	Prevalence of Group B Streptococcus Colonization and Potential for Transmission by Casual Contact in Healthy Young Men and Women. Clinical Infectious Diseases, 2004, 39, 380-388.	5.8	76
12	Choosing an appropriate bacterial typing technique for epidemiologic studies. Epidemiologic Perspectives and Innovations, 2005, 2, 10.	7.0	76
13	Group B Streptococcus Induces Neutrophil Recruitment to Gestational Tissues and Elaboration of Extracellular Traps and Nutritional Immunity. Frontiers in Cellular and Infection Microbiology, 2017, 7, 19.	3.9	72
14	Variations in 10 putative uropathogen virulence genes among urinary, faecal and peri-urethral Escherichia coli. Journal of Medical Microbiology, 2002, 51, 138-142.	1.8	69
15	Genetic Differentiation of Escherichia coli O157:H7 Clades Associated with Human Disease by Real-Time PCR. Journal of Clinical Microbiology, 2008, 46, 2070-2073.	3.9	67
16	Selection, Recombination, and Virulence Gene Diversity among Group B Streptococcal Genotypes. Journal of Bacteriology, 2009, 191, 5419-5427.	2.2	67
17	Association of Group B Streptococcus Colonization and Bovine Exposure: A Prospective Cross-Sectional Cohort Study. PLoS ONE, 2010, 5, e8795.	2.5	67
18	Increased Adherence and Expression of Virulence Genes in a Lineage of Escherichia coli O157:H7 Commonly Associated with Human Infections. PLoS ONE, 2010, 5, e10167.	2.5	67

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19	Shiga toxin 2 overexpression in Escherichia coli O157:H7 strains associated with severe human disease. Microbial Pathogenesis, 2011, 51, 466-470.	2.9	67
20	Whole Genome Sequencing of Mycobacterium tuberculosis Reveals Slow Growth and Low Mutation Rates during Latent Infections in Humans. PLoS ONE, 2014, 9, e91024.	2.5	66
21	Correlation between In Vivo Biofilm Formation and Virulence Gene Expression in Escherichia coli O104:H4. PLoS ONE, 2012, 7, e41628.	2.5	64
22	Surveillance for Shiga Toxinâ€“producingEscherichia coli,Michigan, 2001â€“2005. Emerging Infectious Diseases, 2007, 13, 318-321.	4.3	63
23	Shiga toxin-producingEscherichia coliin swine: the public health perspective. Animal Health Research Reviews, 2014, 15, 63-75.	3.1	58
24	Pilus distribution among lineages of group b streptococcus: an evolutionary and clinical perspective. BMC Microbiology, 2014, 14, 159.	3.3	58
25	Frequency of antimicrobial resistance among invasive and colonizing Group B Streptococcal isolates. BMC Infectious Diseases, 2006, 6, 57.	2.9	57
26	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. Open Forum Infectious Diseases, 2014, 1, ofu061.	0.9	56
27	Factors Associated with Shiga Toxin-Producing Escherichia coli Shedding by Dairy and Beef Cattle. Applied and Environmental Microbiology, 2016, 82, 5049-5056.	3.1	55
28	Differential Expression of Virulence and Stress Fitness Genes between Escherichia coli O157:H7 Strains with Clinical or Bovine-Biased Genotypes. Applied and Environmental Microbiology, 2010, 76, 60-68.	3.1	51
29	Differences in adherence and virulence gene expression between two outbreak strains of enterohaemorrhagic Escherichia coli O157â€Š:â€ŠH7. Microbiology (United Kingdom), 2010, 156, 408-419.	1.8	51
30	Association between genotypic diversity and biofilm production in group B Streptococcus. BMC Microbiology, 2016, 16, 86.	3.3	49
31	Antimicrobial Susceptibility Profiles of Human Campylobacter jejuni Isolates and Association with Phylogenetic Lineages. Frontiers in Microbiology, 2016, 7, 589.	3.5	48
32	Impact of age and sex on the composition and abundance of the intestinal microbiota in individuals with and without enteric infections. Annals of Epidemiology, 2016, 26, 380-385.	1.9	47
33	Comparison of DNA Dot Blot Hybridization and Lancefield Capillary Precipitin Methods for Group B Streptococcal Capsular Typing. Journal of Clinical Microbiology, 2004, 42, 146-150.	3.9	43
34	Diverse Virulence Gene Content of Shiga Toxin-Producing Escherichia coli from Finishing Swine. Applied and Environmental Microbiology, 2014, 80, 6395-6402.	3.1	43
35	Characterization of enteropathogenic and Shiga toxin-producing Escherichia coli in cattle and deer in a shared agroecosystem. Frontiers in Cellular and Infection Microbiology, 2015, 5, 29.	3.9	43
36	Differing mechanisms of surviving phagosomal stress among group BStreptococcusstrains of varying genotypes. Virulence, 2017, 8, 924-937.	4.4	43

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37	Molecular Epidemiologic Approaches to Urinary Tract Infection Gene Discovery in Uropathogenic Escherichia coli. Infection and Immunity, 2000, 68, 2009-2015.	2.2	42
38	Comparing the Genetic Diversity and Antimicrobial Resistance Profiles of Campylobacter jejuni Recovered from Cattle and Humans. Frontiers in Microbiology, 2017, 8, 818.	3.5	42
39	Correlates of antibiotic-resistant group B streptococcus isolated from pregnant women. Obstetrics and Gynecology, 2003, 101, 74-79.	2.4	39
40	Clade 8 and Clade 6 Strains of Escherichia coli O157:H7 from Cattle in Argentina have Hypervirulent-Like Phenotypes. PLoS ONE, 2015, 10, e0127710.	2.5	39
41	Determinants of Co-Colonization with Group B Streptococcus Among Heterosexual College Couples. Epidemiology, 2002, 13, 533-539.	2.7	37
42	Acquisition and persistence of antimicrobial-resistant bacteria isolated from dogs and cats admitted to a veterinary teaching hospital. Journal of the American Veterinary Medical Association, 2013, 243, 990-1000.	0.5	37
43	Intestinal Microbial Community Dynamics of White-Tailed Deer (Odocoileus virginianus) in an Agroecosystem. Microbial Ecology, 2017, 74, 496-506.	2.8	37
44	Population Gene Introgression and High Genome Plasticity for the Zoonotic Pathogen Streptococcus agalactiae. Molecular Biology and Evolution, 2019, 36, 2572-2590.	8.9	36
45	The frequency of genes encoding three putative group B streptococcal virulence factors among invasive and colonizing isolates. BMC Infectious Diseases, 2006, 6, 116.	2.9	35
46	Prevalence and characteristics of Shiga toxin-producing Escherichia coli in finishing pigs: Implications on public health. International Journal of Food Microbiology, 2018, 264, 8-15.	4.7	32
47	Incidence and Duration of Group B Streptococcus by Serotype among Male and Female College Students Living in a Single Dormitory. American Journal of Epidemiology, 2006, 163, 544-551.	3.4	31
48	Increasing incidence of non-O157 Shiga toxin-producing Escherichia coli (STEC) in Michigan and association with clinical illness. Epidemiology and Infection, 2016, 144, 1394-1405.	2.1	30
49	Correlates of Antibiotic-Resistant Group B Streptococcus Isolated From Pregnant Women. Obstetrics and Gynecology, 2003, 101, 74-79.	2.4	28
50	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. MBio, 2016, 7, e00154.	4.1	26
51	Antimicrobial Drugâ€“Resistant Shiga Toxinâ€“Producing Escherichia coli Infections, Michigan, USA. Emerging Infectious Diseases, 2017, 23, 1609-1611.	4.3	25
52	A Solution to Antifolate Resistance in Group B Streptococcus : Untargeted Metabolomics Identifies Human Milk Oligosaccharide-Induced Perturbations That Result in Potentiation of Trimethoprim. MBio, 2020, 11, .	4.1	25
53	DNA Polymorphism and Molecular Subtyping of the Capsular Gene Cluster of Group B Streptococcus. Journal of Clinical Microbiology, 2005, 43, 6113-6116.	3.9	24
54	Group B streptococcal colonization and transmission dynamics in pregnant women and their newborns in Nigeria: implications for prevention strategies. Clinical Microbiology and Infection, 2017, 23, 673.e9-673.e16.	6.0	24

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55	Investigation of the Role That NADH Peroxidase Plays in Oxidative Stress Survival in Group B Streptococcus. Frontiers in Microbiology, 2018, 9, 2786.	3.5	24
56	Vaccination for Group B Streptococcus during pregnancy: Attitudes and concerns of women and health care providers. Social Science and Medicine, 2006, 63, 347-358.	3.8	23
57	Intrinsic Maturational Neonatal Immune Deficiencies and Susceptibility to Group B Streptococcus Infection. Clinical Microbiology Reviews, 2017, 30, 973-989.	13.6	23
58	Antibacterial and Antiâ€biofilm Activity of the Human Breast Milk Glycoprotein Lactoferrin against Group B Streptococcus. ChemBioChem, 2021, 22, 2124-2133.	2.6	23
59	Protein kinase D mediates inflammatory responses of human placental macrophages to Group B Streptococcus. American Journal of Reproductive Immunology, 2019, 81, e13075.	1.2	22
60	Association and Virulence Gene Expression Vary among Serotype III Group B Streptococcus Isolates following Exposure to Decidual and Lung Epithelial Cells. Infection and Immunity, 2014, 82, 4587-4595.	2.2	21
61	Lactoferrin: A Critical Mediator of Both Host Immune Response and Antimicrobial Activity in Response to Streptococcal Infections. ACS Infectious Diseases, 2020, 6, 1615-1623.	3.8	21
62	Effects of a high fat diet on gut microbiome dysbiosis in a mouse model of Gulf War Illness. Scientific Reports, 2020, 10, 9529.	3.3	20
63	Prevalence of Known P-Fimbrial G Alleles inEscherichia coli and Identification of a New Adhesin Class. Vaccine Journal, 2001, 8, 637-640.	2.6	19
64	Naturally occurring antibodies for the group B streptococcal surface immunogenic protein (Sip) in pregnant women and newborn babies. Vaccine, 2006, 24, 6905-6912.	3.8	19
65	Draft Genome Sequences of the Diarrheagenic Escherichia coli Collection. Journal of Bacteriology, 2012, 194, 3026-3027.	2.2	19
66	Genetically distinct Group B Streptococcus strains induce varying macrophage cytokine responses. PLoS ONE, 2019, 14, e0222910.	2.5	19
67	Molecular epidemiology of Streptococcus Agalactiae Group B Streptococcus. Frontiers in Bioscience - Landmark, 2003, 8, s1-18.	3.0	18
68	A Nonhemolytic Group B Streptococcus Strain Exhibits Hypervirulence. Journal of Infectious Diseases, 2018, 217, 983-987.	4.0	18
69	Genetic Diversity and Antimicrobial Resistance in Group BStreptococcusColonizing Young, Nonpregnant Women. Clinical Infectious Diseases, 2008, 47, 388-390.	5.8	17
70	Analysis of Antimicrobial and Antibiofilm Activity of Human Milk Lactoferrin Compared to Bovine Lactoferrin against Multidrug Resistant and Susceptible Acinetobacter baumannii Clinical Isolates. ACS Infectious Diseases, 2021, 7, 2116-2126.	3.8	17
71	Increasing Frequencies of Antibiotic Resistant Non-typhoidal Salmonella Infections in Michigan and Risk Factors for Disease. Frontiers in Medicine, 2019, 6, 250.	2.6	16
72	Prevalence of the Operon Encoding Subtilase Cytotoxin in Non-O157 Shiga Toxin-Producing Escherichia coli Isolated from Humans in the United States. Journal of Clinical Microbiology, 2009, 47, 3058-3059.	3.9	14

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73	Factors associated with increasing campylobacteriosis incidence in Michigan, 2004â€“2013. Epidemiology and Infection, 2016, 144, 3316-3325.	2.1	14
74	Antibiofilm Activity of Human Milk Oligosaccharides against Multidrug Resistant and Susceptible Isolates of Acinetobacter baumannii. ACS Infectious Diseases, 2021, 7, 3254-3263.	3.8	13
75	Vitamin D and Streptococci: The Interface of Nutrition, Host Immune Response, and Antimicrobial Activity in Response to Infection. ACS Infectious Diseases, 2020, 6, 3131-3140.	3.8	12
76	Genetic Diversity of Non-O157 Shiga Toxin-Producing Escherichia coli Recovered From Patients in Michigan and Connecticut. Frontiers in Microbiology, 2020, 11, 529.	3.5	12
77	Group B Streptococcus cpsE Is Required for Serotype V Capsule Production and Aids in Biofilm Formation and Ascending Infection of the Reproductive Tract during Pregnancy. ACS Infectious Diseases, 2021, 7, 2686-2696.	3.8	12
78	Contribution of the RgfD Quorum Sensing Peptide to rgf Regulation and Host Cell Association in Group B Streptococcus. Genes, 2017, 8, 23.	2.4	10
79	Modulation of Death and Inflammatory Signaling in Decidual Stromal Cells following Exposure to Group B Streptococcus. Infection and Immunity, 2019, 87, .	2.2	10
80	Analysis of virulence phenotypes and antibiotic resistance in clinical strains of Acinetobacter baumannii isolated in Nashville, Tennessee. BMC Microbiology, 2021, 21, 21.	3.3	10
81	Distinct Group B Streptococcus Sequence and Capsule Types Differentially Impact Macrophage Stress and Inflammatory Signaling Responses. Infection and Immunity, 2021, 89, .	2.2	10
82	Draft Genome Sequence of an Invasive Streptococcus agalactiae Isolate Lacking Pigmentation. Genome Announcements, 2016, 4, .	0.8	9
83	Population structure and genetic diversity of non-O157 Shiga toxin-producing Escherichia coli (STEC) clinical isolates from Michigan. Scientific Reports, 2021, 11, 4461.	3.3	9
84	Whole-Genome Shotgun Sequencing of a Colonizing Multilocus Sequence Type 17 Streptococcus agalactiae Strain. Journal of Bacteriology, 2012, 194, 6005-6005.	2.2	8
85	The impact of Lactobacillus on group B streptococcal interactions with cells of the extraplacental membranes. Microbial Pathogenesis, 2020, 148, 104463.	2.9	8
86	Characterizing the Cattle Gut Microbiome in Farms with a High and Low Prevalence of Shiga Toxin Producing Escherichia coli. Microorganisms, 2021, 9, 1737.	3.6	8
87	Variation in Macrophage Phagocytosis of Streptococcus agalactiae Does Not Reflect Bacterial Capsular Serotype, Multilocus Sequence Type or Association with Invasive Infection. Pathogens and Immunity, 2018, 3, 63.	3.1	8
88	Within-Farm Changes in Dairy Farm-Associated Salmonella Subtypes and Comparison to Human Clinical Isolates in Michigan, 2000-2001 and 2009. Applied and Environmental Microbiology, 2015, 81, 5724-5735.	3.1	7
89	Genetic and Phenotypic Factors Associated with Persistent Shedding of Shiga Toxin-Producing Escherichia coli by Beef Cattle. Applied and Environmental Microbiology, 2020, 86, .	3.1	7
90	Lactobacillus strains vary in their ability to interact with human endometrial stromal cells. PLoS ONE, 2020, 15, e0238993.	2.5	7

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91	Epidemiologic Associations Vary Between Tetracycline and Fluoroquinolone Resistant Campylobacter jejuni Infections. Frontiers in Public Health, 2021, 9, 672473.	2.7	7
92	Variability in the Occupancy of Escherichia coli O157 Integration Sites by Shiga Toxin-Encoding Prophages. Toxins, 2021, 13, 433.	3.4	7
93	Emergence of a hypervirulent neonatal pathogen. Lancet Infectious Diseases, The, 2014, 14, 1028-1030.	9.1	6
94	Effect of feeding a direct-fed microbial on total and antimicrobial-resistant fecal coliform counts in preweaned dairy calves. American Journal of Veterinary Research, 2015, 76, 780-788.	0.6	6
95	Raman microspectroscopy differentiates perinatal pathogens on ex vivo infected human fetal membrane tissues. Journal of Biophotonics, 2019, 12, e201800449.	2.3	6
96	Analysis of Susceptibility to the Antimicrobial and Anti-Biofilm Activity of Human Milk Lactoferrin in Clinical Strains of Streptococcus agalactiae With Diverse Capsular and Sequence Types. Frontiers in Cellular and Infection Microbiology, 2021, 11, 740872.	3.9	6
97	The antimicrobial activity of zinc against group B Streptococcus is strain-dependent across diverse sequence types, capsular serotypes, and invasive versus colonizing isolates. BMC Microbiology, 2022, 22, 23.	3.3	6
98	High prevalence of clade 8 Escherichia coli O157:H7 isolated from retail meat and butcher shop environment. Infection, Genetics and Evolution, 2016, 45, 1-5.	2.3	5
99	Production and Composition of Group B Streptococcal Membrane Vesicles Vary Across Diverse Lineages. Frontiers in Microbiology, 2021, 12, 770499.	3.5	5
100	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.	3.2	4
101	Genomic analysis of shiga toxin-containing Escherichia coli O157:H7 isolated from Argentinean cattle. PLoS ONE, 2021, 16, e0258753.	2.5	4
102	Draft Genome Sequence of a Diarrheagenic Morganella morganii Isolate. Genome Announcements, 2015, 3, .	0.8	3
103	Heat Waves, Impervious Surfaces, and Hospital Admissions among the Elderly in U.S. Cities. Epidemiology, 2009, 20, S145.	2.7	3
104	Zoonotic Transmission of Campylobacter jejuni to Caretakers From Sick Pen Calves Carrying a Mixed Population of Strains With and Without Guillain BarrÃ© Syndrome-Associated Lipooligosaccharide Loci. Frontiers in Microbiology, 2022, 13, 800269.	3.5	3
105	Comparing gut resistome composition among patients with acute Campylobacter infections and healthy family members. Scientific Reports, 2021, 11, 22368.	3.3	2
106	Genome Sequences of 34 Shiga Toxin-Producing Escherichia coli Isolates from Swine and Other Sources. Genome Announcements, 2017, 5, .	0.8	1
107	Bovine Leukemia Virus and Mycobacterium avium subsp. paratuberculosis Are Not Associated with Shiga Toxinâ€“Producing Escherichia coli Shedding in Cattle. Journal of Food Protection, 2017, 80, 86-89.	1.7	1
108	Galactoâ€Oligosaccharide Supplementation Modulates Pathogenâ€Commensal Competition between Streptococcus agalactiae and Streptococcus salivarius. ChemBioChem, 2021, , .	2.6	1

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109	RE: "UROPATHOGENIC ESCHERICHIA COLI ARE MORE LIKELY THAN COMMENSAL E. COLI TO BE SHARED BETWEEN HETEROSEXUAL SEX PARTNERS". American Journal of Epidemiology, 2003, 158, 396-396.	3.4	0
110	Incidence and Duration of Group B Streptococcus by Serotype Among Male and Female College Students Living in a Single Dormitory. Obstetrical and Gynecological Survey, 2006, 61, 493-494.	0.4	0
111	Frequency of Antimicrobial Resistance in Shiga Toxin-Producing Escherichia coli (STEC) and Non-Typhoidal Salmonella (NTS) Clinical Infections and Association with Epidemiological Factors. Open Forum Infectious Diseases, 2017, 4, S366-S366.	0.9	0
112	Genetic Variation in Shiga Toxin-producing Escherichia coli Recovered from Patients in Michigan and Connecticut. Open Forum Infectious Diseases, 2017, 4, S363-S363.	0.9	0
113	2011. Identification of Streptococcus agalactiae on Human Fetal Membrane Tissues Using Raman Microspectroscopy. Open Forum Infectious Diseases, 2018, 5, S586-S586.	0.9	0
114	The Evolution of Foodborne Pathogens. , 2011, , 455-487.		0
115	Molecular Evolution of Enterohemorrhagic Escherichia coli and Application to Epidemiology. , 0, , 287-302.		0
116	Nitric Oxide Induced stx2 Expression Is Inhibited by the Nitric Oxide Reductase, NorV, in a Clade 8 Escherichia coli O157:H7 Outbreak Strain. Microorganisms, 2022, 10, 106.	3.6	0
117	1199. Phylogenomic analysis of Campylobacter jejuni isolated from gastroenteritis cases in Michigan. Open Forum Infectious Diseases, 2020, 7, S621-S621.	0.9	0