

Terrance M Arthur

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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.

95
papers

3,879
citations

37
h-index

60
g-index

97
ext. papers

4,459
ext. citations

3.9
avg, IF

4.91
L-index

#	Paper	IF	Citations
95	Seasonal prevalence of Shiga toxin-producing <i>Escherichia coli</i> , including O157:H7 and non-O157 serotypes, and <i>Salmonella</i> in commercial beef processing plants. <i>Journal of Food Protection</i> , 2003 , 66, 1978-86	2.5	351
94	<i>Escherichia coli</i> O157 prevalence and enumeration of aerobic bacteria, Enterobacteriaceae, and <i>Escherichia coli</i> O157 at various steps in commercial beef processing plants. <i>Journal of Food Protection</i> , 2004 , 67, 658-65	2.5	196
93	Post-harvest interventions to reduce/eliminate pathogens in beef. <i>Meat Science</i> , 2005 , 71, 79-91	6.4	171
92	<i>Salmonella</i> and <i>Escherichia coli</i> O157:H7 contamination on hides and carcasses of cull cattle presented for slaughter in the United States: an evaluation of prevalence and bacterial loads by immunomagnetic separation and direct plating methods. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 6289-97	4.8	115
91	Transportation and lairage environment effects on prevalence, numbers, and diversity of <i>Escherichia coli</i> O157:H7 on hides and carcasses of beef cattle at processing. <i>Journal of Food Protection</i> , 2007 , 70, 280-6	2.5	112
90	Localization of a sigma70 binding site on the N terminus of the <i>Escherichia coli</i> RNA polymerase beta subunit. <i>Journal of Biological Chemistry</i> , 1998 , 273, 31381-7	5.4	106
89	Super shedding of <i>Escherichia coli</i> O157:H7 by cattle and the impact on beef carcass contamination. <i>Meat Science</i> , 2010 , 86, 32-7	6.4	105
88	Prevalence of <i>Escherichia coli</i> O157:H7, <i>Listeria monocytogenes</i> , and <i>Salmonella</i> in two geographically distant commercial beef processing plants in the United States. <i>Journal of Food Protection</i> , 2004 , 67, 295-302	2.5	105
87	Prevalence and characterization of non-O157 Shiga toxin-producing <i>Escherichia coli</i> on carcasses in commercial beef cattle processing plants. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4847-52	4.8	105
86	Longitudinal study of <i>Escherichia coli</i> O157:H7 in a beef cattle feedlot and role of high-level shedders in hide contamination. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 6515-23	4.8	102
85	Genotypic analyses of <i>Escherichia coli</i> O157:H7 and O157 nonmotile isolates recovered from beef cattle and carcasses at processing plants in the Midwestern states of the United States. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 3810-8	4.8	93
84	Enumeration of <i>Salmonella</i> and <i>Escherichia coli</i> O157:H7 in ground beef, cattle carcass, hide and faecal samples using direct plating methods. <i>Journal of Applied Microbiology</i> , 2007 , 103, 1657-68	4.7	87
83	Prevalence of <i>Escherichia coli</i> O157 and levels of aerobic bacteria and Enterobacteriaceae are reduced when hides are washed and treated with cetylpyridinium chloride at a commercial beef processing plant. <i>Journal of Food Protection</i> , 2004 , 67, 646-50	2.5	85
82	A coiled-coil from the RNA polymerase beta subunit allosterically induces selective nontemplate strand binding by sigma(70). <i>Cell</i> , 2001 , 105, 935-44	56.2	84
81	Development of methods for the recovery of <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> from beef carcass sponge samples and bovine fecal and hide samples. <i>Journal of Food Protection</i> , 2002 , 65, 1527-34	2.5	83
80	Treatments using hot water instead of lactic acid reduce levels of aerobic bacteria and Enterobacteriaceae and reduce the prevalence of <i>Escherichia coli</i> O157:H7 on previsceration beef carcasses. <i>Journal of Food Protection</i> , 2006 , 69, 1808-13	2.5	78
79	Source tracking of <i>Escherichia coli</i> O157:H7 and <i>Salmonella</i> contamination in the lairage environment at commercial U.S. beef processing plants and identification of an effective intervention. <i>Journal of Food Protection</i> , 2008 , 71, 1752-60	2.5	74

78	Cross-sectional study examining Salmonella enterica carriage in subiliac lymph nodes of cull and feedlot cattle at harvest. <i>Foodborne Pathogens and Disease</i> , 2013 , 10, 368-74	3.8	69
77	Antimicrobial-Resistant Bacterial Populations and Antimicrobial Resistance Genes Obtained from Environments Impacted by Livestock and Municipal Waste. <i>PLoS ONE</i> , 2015 , 10, e0132586	3.7	68
76	Prevalence and characterization of Salmonella in bovine lymph nodes potentially destined for use in ground beef. <i>Journal of Food Protection</i> , 2008 , 71, 1685-8	2.5	65
75	Mutational analysis of beta T260-309, a sigma 70 binding site located on Escherichia coli core RNA polymerase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 23113-9	5.4	64
74	Occurrence of Antimicrobial-Resistant Escherichia coli and Salmonella enterica in the Beef Cattle Production and Processing Continuum. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 713-25	4.8	59
73	Evaluation of commonly used antimicrobial interventions for fresh beef inoculated with Shiga toxin-producing Escherichia coli serotypes O26, O45, O103, O111, O121, O145, and O157:H7. <i>Journal of Food Protection</i> , 2012 , 75, 1207-12	2.5	59
72	Binding of the initiation factor sigma(70) to core RNA polymerase is a multistep process. <i>Molecular Cell</i> , 2001 , 8, 21-31	17.6	58
71	Diversity of multidrug-resistant salmonella enterica strains associated with cattle at harvest in the United States. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 1783-96	4.8	53
70	Effects of a minimal hide wash cabinet on the levels and prevalence of Escherichia coli O157:H7 and Salmonella on the hides of beef cattle at slaughter. <i>Journal of Food Protection</i> , 2007 , 70, 1076-9	2.5	50
69	Microbiological characterization of imported and domestic boneless beef trim used for ground beef. <i>Journal of Food Protection</i> , 2007 , 70, 440-9	2.5	47
68	Impact of "Raised without Antibiotics" Beef Cattle Production Practices on Occurrences of Antimicrobial Resistance. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	46
67	Chromogenic agar medium for detection and isolation of Escherichia coli serogroups O26, O45, O103, O111, O121, and O145 from fresh beef and cattle feces. <i>Journal of Food Protection</i> , 2013 , 76, 192-9	3.5	46
66	Microbiological analysis of bovine lymph nodes for the detection of Salmonella enterica. <i>Journal of Food Protection</i> , 2012 , 75, 854-8	2.5	43
65	Interventions to reduce/eliminate Escherichia coli O157:H7 in ground beef. <i>Meat Science</i> , 2007 , 77, 90-6	6.4	41
64	Effects of low-dose, low-penetration electron beam irradiation of chilled beef carcass surface cuts on Escherichia coli O157:H7 and meat quality. <i>Journal of Food Protection</i> , 2005 , 68, 666-72	2.5	41
63	Listeria prevalence and Listeria monocytogenes serovar diversity at cull cow and bull processing plants in the United States. <i>Journal of Food Protection</i> , 2007 , 70, 2578-82	2.5	40
62	Evaluation of various antimicrobial interventions for the reduction of Escherichia coli O157:H7 on bovine heads during processing. <i>Journal of Food Protection</i> , 2008 , 71, 621-4	2.5	39
61	Mapping protein-protein interaction domains using ordered fragment ladder far-western analysis of hexahistidine-tagged fusion proteins. <i>Methods in Enzymology</i> , 2000 , 328, 141-57	1.7	39

60	Biofilm formation and sanitizer resistance of Escherichia coli O157:H7 strains isolated from "high event period" meat contamination. <i>Journal of Food Protection</i> , 2014 , 77, 1982-7	2.5	38
59	Evaluation of culture- and PCR-based detection methods for Escherichia coli O157:H7 in inoculated ground beef. <i>Journal of Food Protection</i> , 2005 , 68, 1566-74	2.5	38
58	Characterization of Escherichia coli O157:H7 strains isolated from supershedding cattle. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 4294-303	4.8	37
57	Methods for recovering Escherichia coli O157:H7 from cattle fecal, hide, and carcass samples: sensitivity and improvements. <i>Journal of Food Protection</i> , 2005 , 68, 2264-8	2.5	36
56	Prevalence and enumeration of Escherichia coli O157:H7 and Salmonella in U.S. abattoirs that process fewer than 1000 head of cattle per day. <i>Journal of Food Protection</i> , 2009 , 72, 1272-8	2.5	35
55	Survival of Escherichia coli O157:H7 on cattle hides. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3002-8	4.8	31
54	Effects of In-Feed Chlortetracycline Prophylaxis in Beef Cattle on Animal Health and Antimicrobial-Resistant Escherichia coli. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 7197-7204	4.8	30
53	in Peripheral Lymph Nodes of Healthy Cattle at Slaughter. <i>Frontiers in Microbiology</i> , 2017 , 8, 2214	5.7	30
52	Microbiological characterization of lamb carcasses at commercial processing plants in the United States. <i>Journal of Food Protection</i> , 2007 , 70, 1811-9	2.5	30
51	Improvement of immunomagnetic separation for Escherichia coli O157:H7 detection by the PickPen magnetic particle separation device. <i>Journal of Food Protection</i> , 2006 , 69, 2870-4	2.5	30
50	Protocol for evaluating the efficacy of cetylpyridinium chloride as a beef hide intervention. <i>Journal of Food Protection</i> , 2004 , 67, 303-9	2.5	29
49	Comparison of effects of antimicrobial interventions on multidrug-resistant Salmonella, susceptible Salmonella, and Escherichia coli O157:H7. <i>Journal of Food Protection</i> , 2008 , 71, 2177-81	2.5	27
48	Development of an epitope tag for the gentle purification of proteins by immunoaffinity chromatography: application to epitope-tagged green fluorescent protein. <i>Analytical Biochemistry</i> , 2003 , 323, 171-9	3.1	26
47	Evaluation of a direct-fed microbial product effect on the prevalence and load of Escherichia coli O157:H7 in feedlot cattle. <i>Journal of Food Protection</i> , 2010 , 73, 366-71	2.5	25
46	Evaluation of Escherichia coli O157:H7 growth media for use in test-and-hold procedures for ground beef processing. <i>Journal of Food Protection</i> , 2006 , 69, 1007-11	2.5	25
45	Prevalence rates of Escherichia coli O157:H7 and Salmonella at different sampling sites on cattle hides at a feedlot and processing plant. <i>Journal of Food Protection</i> , 2009 , 72, 1267-71	2.5	24
44	Comparative analysis of super-shedder strains of Escherichia coli O157:H7 reveals distinctive genomic features and a strongly aggregative adherent phenotype on bovine rectoanal junction squamous epithelial cells. <i>PLoS ONE</i> , 2015 , 10, e0116743	3.7	24
43	Evaluation of Bacteriophage Application to Cattle in Lairage at Beef Processing Plants to Reduce Escherichia coli O157:H7 Prevalence on Hides and Carcasses. <i>Foodborne Pathogens and Disease</i> , 2017 , 14, 17-22	3.8	22

42	Detection of Escherichia coli O157:H7 and Salmonella enterica in air and droplets at three U.S. commercial beef processing plants. <i>Journal of Food Protection</i> , 2012 , 75, 2213-8	2.5	22
41	Characterization of O157:H7 and other Escherichia coli isolates recovered from cattle hides, feces, and carcasses. <i>Journal of Food Protection</i> , 2004 , 67, 993-8	2.5	22
40	Enumeration of Salmonella from poultry carcass rinses via direct plating methods. <i>Letters in Applied Microbiology</i> , 2008 , 46, 186-91	2.9	21
39	Similar Levels of Antimicrobial Resistance in U.S. Food Service Ground Beef Products with and without a "Raised without Antibiotics" Claim. <i>Journal of Food Protection</i> , 2018 , 81, 2007-2018	2.5	21
38	Comparison of the molecular genotypes of Escherichia coli O157:H7 from the hides of beef cattle in different regions of North America. <i>Journal of Food Protection</i> , 2007 , 70, 1622-6	2.5	20
37	Characterization of Escherichia coli O157:H7 strains from contaminated raw beef trim during "high event periods". <i>Applied and Environmental Microbiology</i> , 2014 , 80, 506-14	4.8	19
36	Effectiveness of 1,3-dibromo-5,5 dimethylhydantoin on reduction of Escherichia coli O157:H7- and Salmonella-inoculated fresh meat. <i>Journal of Food Protection</i> , 2009 , 72, 151-6	2.5	19
35	Antimicrobial-Resistant Fecal Bacteria from Ceftiofur-Treated and Nonantimicrobial-Treated Comingled Beef Cows at a Cow-Calf Operation. <i>Microbial Drug Resistance</i> , 2016 , 22, 598-608	2.9	19
34	Disinfectant and antibiotic susceptibility profiles of Escherichia coli O157:H7 strains from cattle carcasses, feces, and hides and ground beef from the United States. <i>Journal of Food Protection</i> , 2013 , 76, 6-17	2.5	18
33	Soil versus Pond Ash Surfacing of Feedlot Pens: Occurrence of Escherichia coli O157:H7 in Cattle and Persistence in Manure. <i>Journal of Food Protection</i> , 2010 , 73, 1269-77	2.5	16
32	Biofilm Formation, Antimicrobial Resistance, and Sanitizer Tolerance of Salmonella enterica Strains Isolated from Beef Trim. <i>Foodborne Pathogens and Disease</i> , 2017 , 14, 687-695	3.8	14
31	Escherichia coli O157:H7 Strains Isolated from High-Event Period Beef Contamination Have Strong Biofilm-Forming Ability and Low Sanitizer Susceptibility, Which Are Associated with High pO157 Plasmid Copy Number. <i>Journal of Food Protection</i> , 2016 , 79, 1875-1883	2.5	13
30	Isolation and characterization of Clostridium difficile associated with beef cattle and commercially produced ground beef. <i>Journal of Food Protection</i> , 2013 , 76, 256-64	2.5	12
29	Efficacy of antimicrobial compounds on surface decontamination of seven Shiga toxin-producing Escherichia coli and Salmonella inoculated onto fresh beef. <i>Journal of Food Protection</i> , 2015 , 78, 503-10	2.5	11
28	The epitope for the polyol-responsive monoclonal antibody 8RB13 is in the flap-domain of the beta-subunit of bacterial RNA polymerase and can be used as an epitope tag for immunoaffinity chromatography. <i>Protein Expression and Purification</i> , 2011 , 77, 26-33	2	11
27	Impacts of individual animal response to heat and handling stresses on Escherichia coli and E. coli O157:H7 fecal shedding by feedlot cattle. <i>Foodborne Pathogens and Disease</i> , 2009 , 6, 855-64	3.8	11
26	Effects of In-Feed Chlortetracycline Prophylaxis in Beef Cattle on Antimicrobial Resistance Genes. <i>Foodborne Pathogens and Disease</i> , 2018 , 15, 689-697	3.8	11
25	Complete Genome Sequence of SS52, a Strain of Escherichia coli O157:H7 Recovered from Supershedder Cattle. <i>Genome Announcements</i> , 2015 , 3,		10

24	Comparative genomics of two super-shedder isolates of Escherichia coli O157:H7. <i>PLoS ONE</i> , 2017 , 12, e0182940	3.7	10
23	Gas formation in ground beef chubs due to <i>Hafnia alvei</i> is reduced by multiple applications of antimicrobial interventions to artificially inoculated beef trim stock. <i>Journal of Food Protection</i> , 2002 , 65, 1651-5	2.5	7
22	Metagenomic Characterization of the Microbiome and Resistome of Retail Ground Beef Products. <i>Frontiers in Microbiology</i> , 2020 , 11, 541972	5.7	6
21	Food Service Pork Chops from Three U.S. Regions Harbor Similar Levels of Antimicrobial Resistance Regardless of Antibiotic Use Claims. <i>Journal of Food Protection</i> , 2019 , 82, 1667-1676	2.5	5
20	In-Feed Tylosin Phosphate Administration to Feedlot Cattle Minimally Affects Antimicrobial Resistance. <i>Journal of Food Protection</i> , 2020 , 350-364	2.5	5
19	Cropland Amendment with Beef Cattle Manure Minimally Affects Antimicrobial Resistance. <i>Journal of Environmental Quality</i> , 2019 , 48, 1683-1693	3.4	5
18	Surface pH of Fresh Beef as a Parameter To Validate Effectiveness of Lactic Acid Treatment against Escherichia coli O157:H7 and Salmonella. <i>Journal of Food Protection</i> , 2018 , 81, 1126-1133	2.5	5
17	Evaluation of Rectoanal Mucosal Swab Sampling for Molecular Detection of Enterohemorrhagic Escherichia coli in Beef Cattle. <i>Journal of Food Protection</i> , 2017 , 80, 661-667	2.5	4
16	Diagnostic Accuracy of Rectoanal Mucosal Swab of Feedlot Cattle for Detection and Enumeration of Salmonella enterica. <i>Journal of Food Protection</i> , 2016 , 79, 531-7	2.5	4
15	Rapid Detection and Classification of Salmonella enterica Shedding in Feedlot Cattle Utilizing the Roka Bioscience Atlas Salmonella Detection Assay for the Analysis of Rectoanal Mucosal Swabs. <i>Journal of Food Protection</i> , 2017 , 80, 1760-1767	2.5	3
14	Antimicrobial Resistance at Two U.S. Cull Cow Processing Establishments. <i>Journal of Food Protection</i> , 2020 , 83, 2216-2228	2.5	3
13	Antimicrobial Resistance in U.S. Retail Ground Beef with and without Label Claims Regarding Antibiotic Use. <i>Journal of Food Protection</i> , 2021 , 84, 827-842	2.5	3
12	Supershed O157:H7 Has Potential for Increased Persistence on the Rectoanal Junction Squamous Epithelial Cells and Antibiotic Resistance. <i>International Journal of Microbiology</i> , 2020 , 2020, 2368154	3.6	2
11	The physiologic state of Escherichia coli O157:H7 does not affect its detection in two commercial real-time PCR-based tests. <i>Food Microbiology</i> , 2013 , 33, 205-12	6	2
10	No Change in Risk for Antibiotic-Resistant Salmonellosis from Beef, United States, 2002-2010. <i>Emerging Infectious Diseases</i> , 2020 , 26, 2108-2117	10.2	2
9	Strain and host-cell dependent role of type-1 fimbriae in the adherence phenotype of super-shed Escherichia coli O157:H7. <i>International Journal of Medical Microbiology</i> , 2021 , 311, 151511	3.7	2
8	Effect of Direct-Fed Microbial Dosage on the Fecal Concentrations of Enterohemorrhagic Escherichia coli in Feedlot Cattle. <i>Foodborne Pathogens and Disease</i> , 2016 , 13, 190-5	3.8	2
7	Novel Continuous and Manual Sampling Methods for Beef Trim Microbiological Testing. <i>Journal of Food Protection</i> , 2018 , 81, 1605-1613	2.5	2

6	Nonfimbrial Adhesin Mutants Reveal Divergent O157:H7 Adherence Mechanisms on Human and Cattle Epithelial Cells. <i>International Journal of Microbiology</i> , 2021 , 2021, 8868151	3.6	1
5	Validation of Additional Approaches and Applications for Using the Continuous and Manual Sampling Devices for Raw Beef Trim. <i>Journal of Food Protection</i> , 2021 , 84, 536-544	2.5	0
4	A Comparative Quantitative Assessment of Human Exposure to Various Antimicrobial-Resistant Bacteria among U.S. Ground Beef Consumers. <i>Journal of Food Protection</i> , 2021 , 84, 736-759	2.5	0
3	Evaluation of two commercially-available vaccines on in the peripheral lymph nodes of experimentally-infected cattle 2020 , 8, 2515135520957760	2.6	0
2	Resistomes and microbiome of meat trimmings and colon content from culled cows raised in conventional and organic production systems.. <i>Animal Microbiome</i> , 2022 , 4, 21	4.1	0
1	Rates of evolutionary change of resident Escherichia coli O157:H7 differ within the same ecological niche.. <i>BMC Genomics</i> , 2022 , 23, 275	4.5	0