

Narelle Fegan

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95
papers

2,438
citations

31
h-index

45
g-index

96
ext. papers

2,842
ext. citations

3.8
avg, IF

5.08
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 95 | Stenotrophomonas and Lysobacter: ubiquitous plant-associated gamma-proteobacteria of developing significance in applied microbiology. <i>Journal of Applied Microbiology</i> , 2010 , 108, 756-770 | 4.7 | 112 |
| 94 | Attachment of different Salmonella serovars to materials commonly used in a poultry processing plant. <i>Food Microbiology</i> , 2009 , 26, 853-9 | 6 | 109 |
| 93 | A PCR specific for Escherichia coli O157 based on the rfb locus encoding O157 lipopolysaccharide. <i>Journal of Clinical Microbiology</i> , 1998 , 36, 1801-4 | 9.7 | 101 |
| 92 | Isolation and characterisation of Arcobacter butzleri from meat. <i>International Journal of Food Microbiology</i> , 2004 , 91, 31-41 | 5.8 | 91 |
| 91 | The prevalence and concentration of Escherichia coli O157 in faeces of cattle from different production systems at slaughter. <i>Journal of Applied Microbiology</i> , 2004 , 97, 362-70 | 4.7 | 88 |
| 90 | Effects of heat stress on animal physiology, metabolism, and meat quality: A review. <i>Meat Science</i> , 2020 , 162, 108025 | 6.4 | 81 |
| 89 | Ancestral divergence, genome diversification, and phylogeographic variation in subpopulations of sorbitol-negative, beta-glucuronidase-negative enterohemorrhagic Escherichia coli O157. <i>Journal of Bacteriology</i> , 2001 , 183, 6885-97 | 3.5 | 77 |
| 88 | Phenotypic characterisation of Pasteurella multocida isolates from Australian poultry. <i>Veterinary Microbiology</i> , 1995 , 47, 281-6 | 3.3 | 57 |
| 87 | Distribution, prevalence and persistence of Cronobacter (Enterobacter sakazakii) in the nonprocessing and processing environments of five milk powder factories. <i>Journal of Applied Microbiology</i> , 2010 , 109, 1044-52 | 4.7 | 56 |
| 86 | Population structure and diversity of avian isolates of Pasteurella multocida from Australia. <i>Microbiology (United Kingdom)</i> , 1998 , 144 (Pt 2), 279-289 | 2.9 | 55 |
| 85 | Prevalence and characterization of foodborne pathogens from Australian dairy farm environments. <i>Journal of Dairy Science</i> , 2014 , 97, 7402-12 | 4 | 54 |
| 84 | Enumeration of Escherichia coli O157 in cattle faeces using most probable number technique and automated immunomagnetic separation. <i>Letters in Applied Microbiology</i> , 2004 , 38, 56-9 | 2.9 | 51 |
| 83 | An investigation of Escherichia coli O157 contamination of cattle during slaughter at an abattoir. <i>Journal of Food Protection</i> , 2005 , 68, 451-7 | 2.5 | 48 |
| 82 | Quantification of acid-base interactions based on contact angle measurement allows XDLVO predictions to attachment of Campylobacter jejuni but not Salmonella. <i>Journal of Microbiological Methods</i> , 2011 , 86, 89-96 | 2.8 | 46 |
| 81 | Attachment of Shiga toxin-producing Escherichia coli to stainless steel. <i>International Journal of Food Microbiology</i> , 2007 , 115, 89-94 | 5.8 | 44 |
| 80 | Characterization of Staphylococcus aureus isolates from raw milk sources in Victoria, Australia. <i>BMC Microbiology</i> , 2016 , 16, 169 | 4.5 | 43 |
| 79 | Shiga toxin-producing Escherichia coli in sheep and pre-slaughter lambs in eastern Australia. <i>Letters in Applied Microbiology</i> , 1999 , 28, 335-9 | 2.9 | 42 |

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|----|--|-----|----|
| 78 | Insight into the Genome of <i>Brochothrix thermosphacta</i> , a Problematic Meat Spoilage Bacterium. <i>Applied and Environmental Microbiology</i> , 2017 , 83, | 4.8 | 41 |
| 77 | Quantification and prevalence of <i>Salmonella</i> in beef cattle presenting at slaughter. <i>Journal of Applied Microbiology</i> , 2004 , 97, 892-8 | 4.7 | 41 |
| 76 | Prevalence and Antimicrobial Resistance of <i>Salmonella</i> and <i>Escherichia coli</i> from Australian Cattle Populations at Slaughter. <i>Journal of Food Protection</i> , 2015 , 78, 912-20 | 2.5 | 40 |
| 75 | Quantitative effects of in-line operations on <i>Campylobacter</i> and <i>Escherichia coli</i> through two Australian broiler processing plants. <i>International Journal of Food Microbiology</i> , 2014 , 188, 128-34 | 5.8 | 40 |
| 74 | Characterisation of <i>Pasteurella multocida</i> isolated from fowl cholera outbreaks on turkey farms. <i>Australian Veterinary Journal</i> , 1995 , 72, 135-8 | 1.2 | 40 |
| 73 | Emergence and spread of two distinct clonal groups of multidrug-resistant <i>Escherichia coli</i> in a veterinary teaching hospital in Australia. <i>Journal of Medical Microbiology</i> , 2006 , 55, 1125-1134 | 3.2 | 39 |
| 72 | Multilocus genotype analysis of <i>Escherichia coli</i> O157 isolates from Australia and the United States provides evidence of geographic divergence. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 5050-8 | 4.8 | 38 |
| 71 | Prevalence and serotypes of <i>Salmonella</i> associated with goats at two Australian abattoirs. <i>Letters in Applied Microbiology</i> , 2009 , 48, 193-7 | 2.9 | 36 |
| 70 | The molecular epidemiology of four outbreaks of porcine pasteurellosis. <i>Veterinary Microbiology</i> , 2000 , 72, 111-20 | 3.3 | 36 |
| 69 | Physicochemical properties of Shiga toxigenic <i>Escherichia coli</i> . <i>Journal of Applied Microbiology</i> , 2005 , 99, 716-27 | 4.7 | 35 |
| 68 | A study of the prevalence and enumeration of <i>Salmonella enterica</i> in cattle and on carcasses during processing. <i>Journal of Food Protection</i> , 2005 , 68, 1147-53 | 2.5 | 35 |
| 67 | Genomic and metabolic characterization of spoilage-associated <i>Pseudomonas</i> species. <i>International Journal of Food Microbiology</i> , 2018 , 268, 61-72 | 5.8 | 32 |
| 66 | A comparative study of biofilm formation by Shiga toxigenic <i>Escherichia coli</i> using epifluorescence microscopy on stainless steel and a microtitre plate method. <i>Journal of Microbiological Methods</i> , 2007 , 69, 44-51 | 2.8 | 32 |
| 65 | Review of the impact of pre-slaughter feed curfews of cattle, sheep and goats on food safety and carcase hygiene in Australia. <i>Food Control</i> , 2012 , 26, 313-321 | 6.2 | 31 |
| 64 | Geographically distinct <i>Escherichia coli</i> O157 isolates differ by lineage, Shiga toxin genotype, and total shiga toxin production. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 579-86 | 9.7 | 30 |
| 63 | Stochasticity of bacterial attachment and its predictability by the extended derjaguin-landau-verwey-overbeek theory. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 3757-64 | 4.8 | 30 |
| 62 | Role of attachment to surfaces on the prevalence and survival of <i>Campylobacter</i> through food systems. <i>Journal of Food Protection</i> , 2012 , 75, 195-206 | 2.5 | 27 |
| 61 | Concentration and prevalence of <i>Escherichia coli</i> O157 and <i>Salmonella</i> serotypes in sheep during slaughter at two Australian abattoirs. <i>Australian Veterinary Journal</i> , 2010 , 88, 399-404 | 1.2 | 26 |

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| 60 | Dynamics of Shiga toxin-producing Escherichia coli (STEC) in feedlot cattle. <i>Letters in Applied Microbiology</i> , 1999 , 29, 85-9 | 2.9 | 26 |
| 59 | Analysis of the Population Structure among Isolates from 1931 to 2015 in Australia. <i>Frontiers in Microbiology</i> , 2017 , 8, 603 | 5.7 | 25 |
| 58 | The effects of transport and lairage on counts of Escherichia coli O157 in the feces and on the hides of individual cattle. <i>Foodborne Pathogens and Disease</i> , 2009 , 6, 1113-20 | 3.8 | 24 |
| 57 | The role of meat in foodborne disease: Is there a coming revolution in risk assessment and management?. <i>Meat Science</i> , 2018 , 144, 22-29 | 6.4 | 23 |
| 56 | Expression and putative roles in attachment of outer membrane proteins of Escherichia coli O157 from planktonic and sessile culture. <i>Foodborne Pathogens and Disease</i> , 2008 , 5, 155-64 | 3.8 | 23 |
| 55 | Bacteriological profile of raw, frozen chicken nuggets. <i>Journal of Food Protection</i> , 2008 , 71, 613-5 | 2.5 | 22 |
| 54 | Escherichia coli O157 somatic antigen is present in an isolate of E. fergusonii. <i>Current Microbiology</i> , 2006 , 52, 482-6 | 2.4 | 22 |
| 53 | Attachment of shiga toxigenic Escherichia coli to beef muscle and adipose tissue. <i>Journal of Food Protection</i> , 2006 , 69, 999-1006 | 2.5 | 22 |
| 52 | Characterization of the spore-forming Bacillus cereus sensu lato group and Clostridium perfringens bacteria isolated from the Australian dairy farm environment. <i>BMC Microbiology</i> , 2015 , 15, 38 | 4.5 | 21 |
| 51 | A comparison of antibiotic resistance integrons in cattle from separate beef meat production systems at slaughter. <i>Journal of Applied Microbiology</i> , 2008 , 104, 651-8 | 4.7 | 21 |
| 50 | Comparison between human and animal isolates of Shiga toxin-producing Escherichia coli O157 from Australia. <i>Epidemiology and Infection</i> , 2002 , 128, 357-62 | 4.3 | 21 |
| 49 | National Survey of Shiga Toxin-Producing Escherichia coli Serotypes O26, O45, O103, O111, O121, O145, and O157 in Australian Beef Cattle Feces. <i>Journal of Food Protection</i> , 2016 , 79, 1868-1874 | 2.5 | 21 |
| 48 | The prevalence and concentration of Bacillus cereus in retail food products in Brisbane, Australia. <i>Foodborne Pathogens and Disease</i> , 2010 , 7, 867-70 | 3.8 | 20 |
| 47 | Integron-containing bacteria in faeces of cattle from different production systems at slaughter. <i>Journal of Applied Microbiology</i> , 2009 , 107, 540-5 | 4.7 | 20 |
| 46 | Managing safety and quality through the red meat chain. <i>Meat Science</i> , 2007 , 77, 28-35 | 6.4 | 20 |
| 45 | An outbreak of haemorrhagic septicaemia associated with Pasteurella multocida subsp gallicida in large pig herd. <i>Australian Veterinary Journal</i> , 1996 , 73, 27-9 | 1.2 | 20 |
| 44 | Changes of the bacterial community diversity on chicken carcasses through an Australian poultry processing line. <i>Food Microbiology</i> , 2020 , 86, 103350 | 6 | 20 |
| 43 | International comparison of clinical, bovine, and environmental Escherichia coli O157 isolates on the basis of Shiga toxin-encoding bacteriophage insertion site genotypes. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 7447-50 | 4.8 | 19 |

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| 42 | Salmonella Sofia differs from other poultry-associated Salmonella serovars with respect to cell surface hydrophobicity. <i>Journal of Food Protection</i> , 2008 , 71, 2421-8 | 2.5 | 19 |
| 41 | Relative prevalence of Salmonella Sofia on broiler chickens pre- and postprocessing in Australia. <i>Poultry Science</i> , 2010 , 89, 1544-8 | 3.9 | 18 |
| 40 | Characterisation of a novel Mannheimia sp from Australian feedlot cattle. <i>Australian Veterinary Journal</i> , 2001 , 79, 634-9 | 1.2 | 17 |
| 39 | Use of pulse field gel electrophoresis for the epidemiological characterisation of coagulase positive Staphylococcus isolated from meat workers and beef carcasses. <i>International Journal of Food Microbiology</i> , 1999 , 48, 81-5 | 5.8 | 14 |
| 38 | Antimicrobial resistance status of Enterococcus from Australian cattle populations at slaughter. <i>PLoS ONE</i> , 2017 , 12, e0177728 | 3.7 | 12 |
| 37 | A review of the ecology, colonization and genetic characterization of Salmonella enterica serovar Sofia, a prolific but avirulent poultry serovar in Australia. <i>Food Research International</i> , 2012 , 45, 770-779 ⁷ | | 11 |
| 36 | A Genomic Island in Salmonella enterica ssp. salamae provides new insights on the genealogy of the locus of enterocyte effacement. <i>PLoS ONE</i> , 2012 , 7, e41615 | 3.7 | 10 |
| 35 | Significance of the rdar and bdar morphotypes in the hydrophobicity and attachment to abiotic surfaces of Salmonella Sofia and other poultry-associated Salmonella serovars. <i>Letters in Applied Microbiology</i> , 2011 , 53, 581-4 | 2.9 | 9 |
| 34 | Effect of diet on the concentration of complex Shiga toxin-producing Escherichia coli and EHEC virulence genes in bovine faeces, hide and carcass. <i>International Journal of Food Microbiology</i> , 2008 , 121, 208-16 | 5.8 | 9 |
| 33 | Overexpressing ovotransferrin and avian Bdefensin-3 improves antimicrobial capacity of chickens and poultry products. <i>Transgenic Research</i> , 2019 , 28, 51-76 | 3.3 | 9 |
| 32 | Salmonella Typhimurium and Salmonella Sofia: Growth in and Persistence on Eggs under Production and Retail Conditions. <i>BioMed Research International</i> , 2015 , 2015, 914987 | 3 | 8 |
| 31 | Characterization of Shiga Toxigenic Escherichia coli O157 and Non-O157 Isolates from Ruminant Feces in Malaysia. <i>BioMed Research International</i> , 2015 , 2015, 382403 | 3 | 8 |
| 30 | Mapping the carriage of flaA-restriction fragment length polymorphism Campylobacter genotypes on poultry carcasses through the processing chain and comparison to clinical isolates. <i>Food Microbiology</i> , 2015 , 48, 116-22 | 6 | 8 |
| 29 | Salmonella response to physical interventions employed in red meat processing facilities. <i>Food Control</i> , 2019 , 103, 91-102 | 6.2 | 7 |
| 28 | Role of capsular polysaccharides and lipooligosaccharides in Campylobacter surface properties, autoagglutination, and attachment to abiotic surfaces. <i>Foodborne Pathogens and Disease</i> , 2013 , 10, 506-13 ³⁸ | 3.8 | 7 |
| 27 | A survey of the microbiological quality of feral pig carcasses processed for human consumption in Queensland, Australia. <i>Foodborne Pathogens and Disease</i> , 2008 , 5, 105-9 | 3.8 | 7 |
| 26 | A study of the use of multilocus enzyme electrophoresis as a typing tool in fowl cholera outbreaks. <i>Avian Pathology</i> , 1999 , 28, 195-8 | 2.4 | 7 |
| 25 | Transcriptomic response of Escherichia coli O157 isolates on meat: Comparison between a typical Australian isolate from cattle and a pathogenic clinical isolate. <i>Food Microbiology</i> , 2019 , 82, 378-387 | 6 | 6 |

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| 24 | Effect of peracetic acid on Campylobacter in food matrices mimicking commercial poultry processing. <i>Food Control</i> , 2020 , 113, 107185 | 6.2 | 6 |
| 23 | Prevalence and concentration of Arcobacter spp. on Australian Beef Carcasses. <i>Journal of Food Protection</i> , 2012 , 75, 1479-82 | 2.5 | 6 |
| 22 | Virulence properties of Escherichia coli isolated from Australian dairy powder factory environments. <i>International Dairy Journal</i> , 2009 , 19, 178-179 | 3.5 | 6 |
| 21 | Natural Anti-Microbials for Enhanced Microbial Safety and Shelf-Life of Processed Packaged Meat. <i>Foods</i> , 2021 , 10, | 4.9 | 6 |
| 20 | Comparative Genomics and Phenotypic Investigations Into Antibiotic, Heavy Metal, and Disinfectant Susceptibilities of Strains Isolated in Australia. <i>Frontiers in Microbiology</i> , 2019 , 10, 1620 | 5.7 | 5 |
| 19 | Salmonella survival after exposure to heat in a model meat juice system. <i>Food Microbiology</i> , 2021 , 94, 103628 | 6 | 5 |
| 18 | Characterization of Escherichia coli and Salmonella from Victoria, Australia, Dairy Farm Environments. <i>Journal of Food Protection</i> , 2017 , 80, 2078-2082 | 2.5 | 4 |
| 17 | Vibrio ferrin production by the food spoilage bacterium Pseudomonas fragi. <i>FEMS Microbiology Letters</i> , 2018 , 365, | 2.9 | 4 |
| 16 | Potential role for the 4,12 antigen in the prevalence of clonal Salmonella serovars in poultry. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 3377; author reply 3377-8 | 4.8 | 4 |
| 15 | Attachment of Salmonella strains to a plant cell wall model is modulated by surface characteristics and not by specific carbohydrate interactions. <i>BMC Microbiology</i> , 2016 , 16, 212 | 4.5 | 4 |
| 14 | Impact of Poultry Processing Operating Parameters on Bacterial Transmission and Persistence on Chicken Carcasses and Their Shelf Life. <i>Applied and Environmental Microbiology</i> , 2020 , 86, | 4.8 | 4 |
| 13 | Characterisation of the Brochothrix thermosphacta sortase A enzyme. <i>FEMS Microbiology Letters</i> , 2018 , 365, | 2.9 | 3 |
| 12 | Draft Genome Sequences of Four Antibiotic-Resistant Strains Isolated from Australian Red Meat Animal Species. <i>Microbiology Resource Announcements</i> , 2019 , 8, | 1.3 | 3 |
| 11 | Pathogenic Escherichia coli and One Health implications. <i>Current Topics in Microbiology and Immunology</i> , 2013 , 366, 49-62 | 3.3 | 3 |
| 10 | Survival of Salmonella on Red Meat in Response to Dry Heat. <i>Journal of Food Protection</i> , 2021 , 84, 372-380 | 3.5 | 3 |
| 9 | Salmonella enterica subsp. salamae serovar Sofia, a prevalent serovar in Australian broiler chickens, is also capable of transient colonisation in layers. <i>British Poultry Science</i> , 2018 , 59, 270-277 | 1.9 | 2 |
| 8 | Detection and Typing Strategies for Pathogenic Escherichia coli. <i>SpringerBriefs in Food, Health and Nutrition</i> , 2015 , | 0.4 | 2 |
| 7 | Pathogenic Escherichia coli and One Health Implications. <i>Current Topics in Microbiology and Immunology</i> , 2012 , 49-62 | 3.3 | 2 |

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| 6 | Applicability of Enterobacteriaceae and coliforms tests as indicators for Cronobacter in milk powder factory environments. <i>Food Microbiology</i> , 2021 , 94, 103642 | 6 | 2 |
| 5 | Comparison between cage and free-range egg production on microbial composition, diversity and the presence of Salmonella enterica. <i>Food Microbiology</i> , 2021 , 97, 103754 | 6 | 2 |
| 4 | Typing and Subtyping Methods for Pathogenic Escherichia coli. <i>SpringerBriefs in Food, Health and Nutrition</i> , 2015 , 67-99 | 0.4 | 1 |
| 3 | Survival of Salmonella Under Heat Stress is Associated with the Presence/Absence of CRISPR Cas Genes and Iron Levels. <i>Current Microbiology</i> , 2021 , 78, 1741-1751 | 2.4 | 1 |
| 2 | Introduction to Pathogenic Escherichia coli. <i>SpringerBriefs in Food, Health and Nutrition</i> , 2015 , 1-38 | 0.4 | 0 |
| 1 | Isolation and Detection of Pathogenic Escherichia coli in Foods. <i>SpringerBriefs in Food, Health and Nutrition</i> , 2015 , 39-65 | 0.4 | |