

SÃ©amus Fanning

List of Publications by Year in descending order

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425
papers

15,615
citations

18482

62
h-index

34986

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440
all docs

440
docs citations

440
times ranked

13492
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Cronobacter</i> gen. nov., a new genus to accommodate the biogroups of <i>Enterobacter sakazakii</i> , and proposal of <i>Cronobacter sakazakii</i> gen. nov., comb. nov., <i>Cronobacter malonaticus</i> sp. nov., <i>Cronobacter turicensis</i> sp. nov., <i>Cronobacter muytjensii</i> sp. nov., <i>Cronobacter dublinensis</i> sp. nov., <i>Cronobacter</i> genomospecies 1, and of three subspecies, <i>Cronobacter dublinensis</i> subsp. dublinensis subsp. nov., <i>Cronobacter dublinensis</i> subsp. lausannensis subsp. nov. and <i>Cronobacter dublinensis</i> subsp. lactaridi subsp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008,	1.7	506
2	<i>Campylobacter</i> . <i>Veterinary Research</i> , 2005, 36, 351-382.	3.0	389
3	Low-Water Activity Foods: Increased Concern as Vehicles of Foodborne Pathogens. <i>Journal of Food Protection</i> , 2013, 76, 150-172.	1.7	355
4	The taxonomy of <i>Enterobacter sakazakii</i> : proposal of a new genus <i>Cronobacter</i> gen. nov. and descriptions of <i>Cronobacter sakazakii</i> comb. nov. <i>Cronobacter sakazakii</i> subsp. <i>sakazakii</i> , comb. nov., <i>Cronobacter sakazakii</i> subsp. <i>malonaticus</i> subsp. nov., <i>Cronobacter turicensis</i> sp. nov., <i>Cronobacter muytjensii</i> sp. nov., <i>Cronobacter dublinensis</i> sp. nov. and <i>Cronobacter</i> genomospecies 1. <i>BMC Evolutionary Biology</i> , 2007, 7, 64.	3.2	275
5	<i>Cronobacter</i> (<i>Enterobacter sakazakii</i>): An Opportunistic Foodborne Pathogen. <i>Foodborne Pathogens and Disease</i> , 2010, 7, 339-350.	1.8	250
6	A Review on the Applications of Next Generation Sequencing Technologies as Applied to Food-Related Microbiome Studies. <i>Frontiers in Microbiology</i> , 2017, 8, 1829.	3.5	245
7	Mechanisms of survival, responses and sources of <i>Salmonella</i> in low-moisture environments. <i>Frontiers in Microbiology</i> , 2013, 4, 331.	3.5	242
8	The ins and outs of RND efflux pumps in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2015, 6, 587.	3.5	219
9	<i>Enterobacter sakazakii</i> : An Emerging Pathogen in Powdered Infant Formula. <i>Clinical Infectious Diseases</i> , 2006, 42, 996-1002.	5.8	206
10	Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) isolated from animals and veterinary personnel in Ireland. <i>Veterinary Microbiology</i> , 2005, 109, 285-296.	1.9	197
11	The epidemiology of antibiotic resistance in <i>Campylobacter</i> . <i>Microbes and Infection</i> , 2006, 8, 1955-1966.	1.9	192
12	Mechanisms of fluoroquinolone and macrolide resistance in <i>Campylobacter</i> spp.. <i>Microbes and Infection</i> , 2006, 8, 1967-1971.	1.9	176
13	Toxin A-negative, toxin B-positive <i>Clostridium difficile</i> . <i>International Journal of Infectious Diseases</i> , 2007, 11, 5-10.	3.3	155
14	Efficacy of Biocides Used in the Modern Food Industry To Control <i>Salmonella enterica</i> , and Links between Biocide Tolerance and Resistance to Clinically Relevant Antimicrobial Compounds. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3087-3097.	3.1	151
15	Occurrence of <i>Campylobacter</i> in retail foods in Ireland. <i>International Journal of Food Microbiology</i> , 2004, 95, 111-118.	4.7	150
16	Development and evaluation of <i>rpoB</i> based PCR systems to differentiate the six proposed species within the genus <i>Cronobacter</i> . <i>International Journal of Food Microbiology</i> , 2009, 136, 165-168.	4.7	149
17	Antimicrobial resistance and its association with tolerance to heavy metals in agriculture production. <i>Food Microbiology</i> , 2017, 64, 23-32.	4.2	138
18	Re-examination of the taxonomic status of <i>Enterobacter helveticus</i> , <i>Enterobacter pulveris</i> and <i>Enterobacter turicensis</i> as members of the genus <i>Cronobacter</i> and their reclassification in the genera <i>Franconibacter</i> gen. nov. and <i>Siccibacter</i> gen. nov. as <i>Franconibacter helveticus</i> comb. nov., <i>Franconibacter pulveris</i> comb. nov. and <i>Siccibacter turicensis</i> comb. nov., respectively. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3402-3410.	1.7	136

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19	Cronobacter species (formerly known as Enterobacter sakazakii) in powdered infant formula: a review of our current understanding of the biology of this bacterium. Journal of Applied Microbiology, 2012, 113, 1-15.	3.1	128
20	Potential role of non-antibiotics (helper compounds) in the treatment of multidrug-resistant Gram-negative infections: mechanisms for their direct and indirect activities. International Journal of Antimicrobial Agents, 2008, 31, 198-208.	2.5	124
21	Salmonella Host Interactions Modulation of the Host Innate Immune System. Frontiers in Immunology, 2014, 5, 481.	4.8	124
22	Characterisation and transferability of antibiotic resistance genes from lactic acid bacteria isolated from Irish pork and beef abattoirs. Research in Microbiology, 2010, 161, 127-135.	2.1	115
23	Microbial detection and identification methods: Bench top assays to omics approaches. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 3106-3129.	11.7	115
24	Emergence and Control of Fluoroquinolone-Resistant, Toxin A Negative, Toxin B Positive Clostridium difficile. Infection Control and Hospital Epidemiology, 2007, 28, 932-940.	1.8	114
25	Emergence of a Globally Dominant IncHI1 Plasmid Type Associated with Multiple Drug Resistant Typhoid. PLoS Neglected Tropical Diseases, 2011, 5, e1245.	3.0	114
26	Application of pulsed-field gel electrophoresis to characterise and trace the prevalence of Enterobacter sakazakii in an infant formula processing facility. International Journal of Food Microbiology, 2007, 116, 73-81.	4.7	112
27	Antimicrobial Resistance in Foodborne Pathogens - A Cause for Concern?. Current Drug Targets, 2008, 9, 808-815.	2.1	111
28	Whole-genome Sequencing to Track Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Transmission in Nosocomial Outbreaks. Clinical Infectious Diseases, 2021, 72, e727-e735.	5.8	107
29	A Simple Method for Assessment of MDR Bacteria for Over-Expressed Efflux Pumps. Open Microbiology Journal, 2013, 7, 72-82.	0.7	97
30	Serotypes and Virulence Profiles of Non-O157 Shiga Toxin-Producing Escherichia coli Isolates from Bovine Farms. Applied and Environmental Microbiology, 2011, 77, 8662-8668.	3.1	96
31	Antimicrobial Resistance in Wildlife: Implications for Public Health. Zoonoses and Public Health, 2015, 62, 534-542.	2.2	96
32	Multiple Regulatory Pathways Associated with High-Level Ciprofloxacin and Multidrug Resistance in Salmonella enterica Serovar Enteritidis: Involvement of ramA and Other Global Regulators. Antimicrobial Agents and Chemotherapy, 2009, 53, 1080-1087.	3.2	95
33	Inhibition of verocytotoxigenic Escherichia coli in model broth and rumen systems by carvacrol and thymol. International Journal of Food Microbiology, 2010, 139, 70-78.	4.7	95
34	Elucidation of the RamA Regulon in Klebsiella pneumoniae Reveals a Role in LPS Regulation. PLoS Pathogens, 2015, 11, e1004627.	4.7	95
35	Neutral Genomic Microevolution of a Recently Emerged Pathogen, Salmonella enterica Serovar Agona. PLoS Genetics, 2013, 9, e1003471.	3.5	94
36	Identification of Cronobacter spp. (Enterobacter sakazakii). Journal of Clinical Microbiology, 2007, 45, 3814-3816.	3.9	93

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37	Molecular Analysis of the <i>Enterobacter sakazakii</i> O-Antigen Gene Locus. Applied and Environmental Microbiology, 2008, 74, 3783-3794.	3.1	92
38	Dissemination of <i>Cronobacter</i> spp. (<i>Enterobacter sakazakii</i>) in a Powdered Milk Protein Manufacturing Facility. Applied and Environmental Microbiology, 2008, 74, 5913-5917.	3.1	91
39	Development of a real-time multiplex PCR assay for the detection of multiple Salmonella serotypes in chicken samples. BMC Microbiology, 2008, 8, 156.	3.3	88
40	Prevalence and Characterization of Staphylococcus aureus Cultured From Raw Milk Taken From Dairy Cows With Mastitis in Beijing, China. Frontiers in Microbiology, 2018, 9, 1123.	3.5	88
41	High-level resistance to moxifloxacin and gatifloxacin associated with a novel mutation in gyrB in toxin-A-negative, toxin-B-positive Clostridium difficile. Journal of Antimicrobial Chemotherapy, 2006, 58, 1264-1267.	3.0	87
42	Characterization of a collection of Enterobacter sakazakii isolates from environmental and food sources. International Journal of Food Microbiology, 2006, 110, 127-134.	4.7	84
43	An investigation of the molecular mechanisms contributing to high-level erythromycin resistance in Campylobacter. International Journal of Antimicrobial Agents, 2006, 27, 40-45.	2.5	83
44	Characterization of Multidrug-Resistant Escherichia coli Isolates from Animals Presenting at a University Veterinary Hospital. Applied and Environmental Microbiology, 2011, 77, 7104-7112.	3.1	83
45	Whole-Genome Sequencing-Based Characterization of 100 Listeria monocytogenes Isolates Collected from Food Processing Environments over a Four-Year Period. MSphere, 2019, 4, .	2.9	82
46	<i>Yersinia Enterocolitica</i> : A Brief Review of the Issues Relating to the Zoonotic Pathogen, Public Health Challenges, and the Pork Production Chain. Foodborne Pathogens and Disease, 2012, 9, 179-189.	1.8	81
47	Development and application of Multiple-Locus Variable Number of tandem repeat Analysis (MLVA) to subtype a collection of Listeria monocytogenes. International Journal of Food Microbiology, 2007, 115, 187-194.	4.7	80
48	ProP Is Required for the Survival of Desiccated Salmonella enterica Serovar Typhimurium Cells on a Stainless Steel Surface. Applied and Environmental Microbiology, 2013, 79, 4376-4384.	3.1	80
49	Pan-genome analysis of the emerging foodborne pathogen Cronobacter spp. suggests a species-level bidirectional divergence driven by niche adaptation. BMC Genomics, 2013, 14, 366.	2.8	78
50	Influences on antimicrobial prescribing behaviour of veterinary practitioners in cattle practice in Ireland. Veterinary Record, 2013, 172, 14-14.	0.3	78
51	Surveillance and characterisation by Pulsed-Field Gel Electrophoresis of Cronobacter spp. in farming and domestic environments, food production animals and retail foods. International Journal of Food Microbiology, 2009, 136, 198-203.	4.7	75
52	Emergence and Diversity of Salmonella enterica Serovar Indiana Isolates with Concurrent Resistance to Ciprofloxacin and Cefotaxime from Patients and Food-Producing Animals in China. Antimicrobial Agents and Chemotherapy, 2016, 60, 3365-3371.	3.2	75
53	Vertical transmission of highly similar blaCTX-M-1-harboring Inc11 plasmids in Escherichia coli with different MLST types in the poultry production pyramid. Frontiers in Microbiology, 2014, 5, 519.	3.5	74
54	SIRT1-mediated FoxOs pathways protect against apoptosis by promoting autophagy in osteoblast-like MC3T3-E1 cells exposed to sodium fluoride. Oncotarget, 2016, 7, 65218-65230.	1.8	74

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55	Antimicrobial Resistance and Genetic Diversity of <i>Shigella sonnei</i> Isolates from Western Ireland, an Area of Low Incidence of Infection. <i>Journal of Clinical Microbiology</i> , 2003, 41, 1919-1924.	3.9	70
56	Molecular Characterization of Multidrug-Resistant <i>Escherichia coli</i> Isolates from Irish Cattle Farms. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7121-7127.	3.1	68
57	Nucleotide sequences of 16 transmissible plasmids identified in nine multidrug-resistant <i>Escherichia coli</i> isolates expressing an ESBL phenotype isolated from food-producing animals and healthy humans. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2658-2668.	3.0	68
58	Wastewater is a reservoir for clinically relevant carbapenemase- and 16s rRNA methylase-producing Enterobacteriaceae. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 436-440.	2.5	68
59	Isolation and characterisation of toxin A-negative, toxin B-positive <i>Clostridium difficile</i> in Dublin, Ireland. <i>Clinical Microbiology and Infection</i> , 2007, 13, 298-304.	6.0	67
60	Characterization of <i>Cronobacter</i> recovered from dried milk and related products. <i>BMC Microbiology</i> , 2009, 9, 24.	3.3	66
61	Mortality in patients with <i>Clostridium difficile</i> infection correlates with host pro-inflammatory and humoral immune responses. <i>Journal of Medical Microbiology</i> , 2013, 62, 1453-1460.	1.8	66
62	The prevalence of <i>Cryptosporidium</i> species and subtypes in human faecal samples in Ireland. <i>Epidemiology and Infection</i> , 2009, 137, 270-277.	2.1	65
63	Molecular characterization of blaESBL ⁺ harboring conjugative plasmids identified in multi-drug resistant <i>Escherichia coli</i> isolated from food-producing animals and healthy humans. <i>Frontiers in Microbiology</i> , 2013, 4, 188.	3.5	65
64	<i>gyrA</i> Mutations in Fluoroquinolone-resistant <i>Clostridium difficile</i> PCR-027. <i>Emerging Infectious Diseases</i> , 2007, 13, 504-505.	4.3	64
65	Fitness Costs and Stability of a High-Level Ciprofloxacin Resistance Phenotype in <i>Salmonella enterica</i> Serotype Enteritidis: Reduced Infectivity Associated with Decreased Expression of <i>Salmonella</i> Pathogenicity Island 1 Genes. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 367-374.	3.2	64
66	Enterotoxigenicity and Antimicrobial Resistance of <i>Staphylococcus aureus</i> Isolated from Retail Food in China. <i>Frontiers in Microbiology</i> , 2017, 8, 2256.	3.5	63
67	Prevalence of <i>Cryptosporidium</i> species in intensively farmed pigs in Ireland. <i>Parasitology</i> , 2007, 134, 1575-1582.	1.5	62
68	A 3-year multi-food study of the presence and persistence of <i>Listeria monocytogenes</i> in 54 small food businesses in Ireland. <i>International Journal of Food Microbiology</i> , 2017, 249, 18-26.	4.7	62
69	Complete genome sequence and phenotype microarray analysis of <i>Cronobacter sakazakii</i> SP291: a persistent isolate cultured from a powdered infant formula production facility. <i>Frontiers in Microbiology</i> , 2013, 4, 256.	3.5	61
70	Tracking the <i>Salmonella</i> Status of Pigs and Pork from Lairage through the Slaughter Process in the Republic of Ireland. <i>Journal of Food Protection</i> , 2010, 73, 2148-2160.	1.7	60
71	Mechanisms of Fluoroquinolone Resistance in <i>Escherichia coli</i> Isolates from Food-Producing Animals. <i>Applied and Environmental Microbiology</i> , 2011, 77, 7113-7120.	3.1	60
72	Transfer of Antibiotic Resistance Marker Genes between Lactic Acid Bacteria in Model Rumen and Plant Environments. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3146-3152.	3.1	59

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73	Detection of plasmid-mediated tigecycline-resistant gene tet(X4) in Escherichia coli from pork, Sichuan and Shandong Provinces, China, February 2019. Eurosurveillance, 2019, 24, .	7.0	59
74	Antimicrobial resistance islands: resistance gene clusters in Salmonella chromosome and plasmids. Microbes and Infection, 2006, 8, 1923-1930.	1.9	57
75	Prevalence of thermophilic <i>Campylobacter</i> species in household cats and dogs in Ireland. Veterinary Record, 2009, 164, 44-47.	0.3	57
76	Efficacy of UV Light Treatment for the Microbiological Decontamination of Chicken, Associated Packaging, and Contact Surfaces. Journal of Food Protection, 2011, 74, 565-572.	1.7	57
77	Serotypes and virulotypes of non-O157 shiga-toxin producing Escherichia coli (STEC) on bovine hides and carcasses. Food Microbiology, 2012, 32, 223-229.	4.2	57
78	Prevalence, numbers and characteristics of Salmonella spp. on Irish retail pork. International Journal of Food Microbiology, 2009, 131, 233-239.	4.7	56
79	Detection and characterisation of group A rotavirus in asymptomatic piglets in southern Ireland. Archives of Virology, 2010, 155, 1247-1259.	2.1	56
80	Characterization of antimicrobial resistance in Salmonella enterica food and animal isolates from Colombia: identification of a qnrB19-mediated quinolone resistance marker in two novel serovars. FEMS Microbiology Letters, 2010, 313, 10-19.	1.8	55
81	Does Microbicide Use in Consumer Products Promote Antimicrobial Resistance? A Critical Review and Recommendations for a Cohesive Approach to Risk Assessment. Microbial Drug Resistance, 2013, 19, 344-354.	2.0	54
82	Molecular Characterization of Rotavirus in Ireland: Detection of Novel Strains Circulating in the Population. Journal of Clinical Microbiology, 2000, 38, 3370-3374.	3.9	54
83	Genomic Comparisons of Salmonella enterica Serovar Dublin, Agona, and Typhimurium Strains Recently Isolated from Milk Filters and Bovine Samples from Ireland, Using a Salmonella Microarray. Applied and Environmental Microbiology, 2005, 71, 1616-1625.	3.1	53
84	pH Modulation of Efflux Pump Activity of Multi-Drug Resistant Escherichia coli: Protection During Its Passage and Eventual Colonization of the Colon. PLoS ONE, 2009, 4, e6656.	2.5	53
85	Susceptibility of Campylobacter to high intensity near ultraviolet/visible 395±5nm light and its effectiveness for the decontamination of raw chicken and contact surfaces. International Journal of Food Microbiology, 2012, 159, 267-273.	4.7	53
86	Assessment of Antimicrobial Resistance Transfer Between Lactic Acid Bacteria and Potential Foodborne Pathogens Using <i>In Vitro</i> Methods and Mating in a Food Matrix. Foodborne Pathogens and Disease, 2009, 6, 925-933.	1.8	52
87	Efficacy of High-Intensity Pulsed Light for the Microbiological Decontamination of Chicken, Associated Packaging, and Contact Surfaces. Foodborne Pathogens and Disease, 2011, 8, 109-117.	1.8	52
88	Enterobacter sakazakii an emerging bacterial pathogen with implications for infant health. Minerva Pediatrica, 2007, 59, 137-48.	2.7	52
89	Characterization and Chromosomal Mapping of Antimicrobial Resistance Genes in Salmonella enterica Serotype Typhimurium. Applied and Environmental Microbiology, 2000, 66, 4842-4848.	3.1	51
90	Development and Application of a Novel Peptide Nucleic Acid Probe for the Specific Detection of <i>Cronobacter</i> Genomespecies (<i>Enterobacter sakazakii</i>) in Powdered Infant Formula. Applied and Environmental Microbiology, 2009, 75, 2925-2930.	3.1	51

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91	Prevalence of thermophilic <i>Campylobacter</i> species in cats and dogs in two animal shelters in Ireland. <i>Veterinary Record</i> , 2006, 158, 51-54.	0.3	50
92	Determinants of cross-contamination during home food preparation. <i>British Food Journal</i> , 2011, 113, 280-297.	2.9	50
93	Elucidating the Regulon of Multidrug Resistance Regulator RarA in <i>Klebsiella pneumoniae</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 1603-1609.	3.2	50
94	Antimicrobial resistant bacteria in wild mammals and birds: a coincidence or cause for concern?. <i>Irish Veterinary Journal</i> , 2014, 67, 8.	2.1	50
95	Molecular characterisation and analysis of bovine rotavirus strains circulating in Ireland 2002-2004. <i>Veterinary Microbiology</i> , 2006, 117, 242-247.	1.9	47
96	An Original Deal for New Molecule: Reversal of Efflux Pump Activity, A Rational Strategy to Combat Gram-Negative Resistant Bacteria. <i>Current Medicinal Chemistry</i> , 2011, 18, 2969-2980.	2.4	47
97	Molecular Analysis of <i>Pseudomonas aeruginosa</i> : Epidemiological Investigation of Mastitis Outbreaks in Irish Dairy Herds. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2723-2729.	3.1	47
98	Phylogenetic Profiles of In-House Microflora in Drains at a Food Production Facility: Comparison and Biocontrol Implications of <i>Listeria</i> -Positive and -Negative Bacterial Populations. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3369-3374.	3.1	46
99	Multi-Drug Resistance in <i>Salmonella enterica</i> : Efflux Mechanisms and Their Relationships with the Development of Chromosomal Resistance Gene Clusters. <i>Current Drug Targets</i> , 2006, 7, 849-860.	2.1	45
100	Survival characteristics of environmental and clinically derived strains of <i>Cronobacter sakazakii</i> in infant milk formula (IMF) and ingredients. <i>Journal of Applied Microbiology</i> , 2011, 110, 697-703.	3.1	44
101	Characterisation of multidrug-resistant Shiga toxin-producing <i>Escherichia coli</i> cultured from pigs in China: co-occurrence of extended-spectrum β -lactamase- and <i>mcr-1</i> -encoding genes on plasmids. <i>International Journal of Antimicrobial Agents</i> , 2016, 48, 445-448.	2.5	44
102	Molecular Characterization of Irish <i>Salmonella enterica</i> Serotype Typhimurium: Detection of Class I Integrons and Assessment of Genetic Relationships by DNA Amplification Fingerprinting. <i>Applied and Environmental Microbiology</i> , 2000, 66, 614-619.	3.1	43
103	Development and validation of a rapid real-time PCR based method for the specific detection of <i>Salmonella</i> on fresh meat. <i>Meat Science</i> , 2009, 83, 555-562.	5.5	43
104	Antimicrobial Resistance of Faecal <i>Escherichia coli</i> Isolates from Pig Farms with Different Durations of In-feed Antimicrobial Use. <i>Zoonoses and Public Health</i> , 2016, 63, 241-250.	2.2	43
105	Genomic diversity of <i>Salmonella enterica</i> -The UoWUCC 10K genomes project. <i>Wellcome Open Research</i> , 2020, 5, 223.	1.8	43
106	Trends in antimicrobial susceptibility among isolates of <i>Campylobacter</i> species in Ireland and the emergence of resistance to ciprofloxacin. <i>Veterinary Record</i> , 2002, 151, 317-320.	0.3	42
107	Detection of <i>Enterobacter sakazakii</i> in Dried Infant Milk Formula by Cationic-Magnetic-Bead Capture. <i>Applied and Environmental Microbiology</i> , 2006, 72, 6325-6330.	3.1	42
108	Transfer of ampicillin resistance from <i>Salmonella</i> Typhimurium DT104 to <i>Escherichia coli</i> K12 in food. <i>Letters in Applied Microbiology</i> , 2008, 46, 210-215.	2.2	42

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109	Changing profile of the bovine rotavirus G6 population in the south of Ireland from 2002 to 2009. <i>Veterinary Microbiology</i> , 2010, 146, 238-244.	1.9	42
110	The potential for biocide tolerance in <i>Escherichia coli</i> and its impact on the response to food processing stresses. <i>Food Control</i> , 2012, 26, 98-106.	5.5	42
111	Characterization of Five <i>Escherichia coli</i> Isolates Co-expressing ESBL and MCR-1 Resistance Mechanisms From Different Origins in China. <i>Frontiers in Microbiology</i> , 2019, 10, 1994.	3.5	42
112	Efflux Pumps of Gram-Negative Bacteria: Genetic Responses to Stress and the Modulation of their Activity by pH, Inhibitors, and Phenothiazines. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 2011, 77, 61-108.	1.3	41
113	Incorporation of commercially-derived antimicrobials into gelatin-based films and assessment of their antimicrobial activity and impact on physical film properties. <i>Food Control</i> , 2016, 64, 202-211.	5.5	41
114	Identification of efflux pump-mediated multidrug-resistant bacteria by the ethidium bromide-agar cartwheel method. <i>In Vivo</i> , 2011, 25, 171-8.	1.3	41
115	<i>Enterobacter sakazakii</i> survives spray drying. <i>International Journal of Dairy Technology</i> , 2008, 61, 102-108.	2.8	40
116	<i>Cronobacter</i> : An Emergent Pathogen Causing Meningitis to Neonates through their Feeds. <i>Science Progress</i> , 2014, 97, 154-172.	1.9	40
117	RNA Sequencing-Based Transcriptional Overview of Xerotolerance in <i>Cronobacter sakazakii</i> SP291. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	40
118	Molecular Epidemiology of <i>Campylobacter</i> Isolates from Poultry Production Units in Southern Ireland. <i>PLoS ONE</i> , 2011, 6, e28490.	2.5	40
119	Emergence of G3 and G9 rotavirus and increased incidence of mixed infections in the southern region of Ireland 2001-2004. <i>Journal of Medical Virology</i> , 2005, 77, 571-578.	5.0	39
120	Identification of critical points during domestic food preparation: an observational study. <i>British Food Journal</i> , 2011, 113, 766-783.	2.9	39
121	An Evaluation of the Potential of High-Intensity Ultrasound for Improving the Microbial Safety of Poultry. <i>Food and Bioprocess Technology</i> , 2012, 5, 992-998.	4.7	39
122	Comparative Genotypic and Phenotypic Analysis of <i>Cronobacter</i> Species Cultured from Four Powdered Infant Formula Production Facilities: Indication of Pathoadaptation along the Food Chain. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4388-4402.	3.1	39
123	Comparison of multidrug resistance gene regions between two geographically unrelated <i>Salmonella</i> serotypes. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 558-561.	3.0	38
124	<i>Enterobacter sakazakii</i> : biological properties and significance in dried infant milk formula (IMF) powder+. <i>International Journal of Dairy Technology</i> , 2006, 59, 102-111.	2.8	38
125	PCR ribotype prevalence and molecular basis of macrolide-lincosamide-streptogramin B (MLS _B) and fluoroquinolone resistance in Irish clinical <i>Clostridium difficile</i> isolates. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 1976-1982.	3.0	38
126	Acid environments affect biofilm formation and gene expression in isolates of <i>Salmonella enterica</i> Typhimurium DT104. <i>International Journal of Food Microbiology</i> , 2015, 206, 7-16.	4.7	38

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127	Complete genetic analysis of a <i>Salmonella enterica</i> serovar Indiana isolate accompanying four plasmids carrying <i>mcr-1</i> , ESBL and other resistance genes in China. <i>Veterinary Microbiology</i> , 2017, 210, 142-146.	1.9	38
128	First Report of <i>Klebsiella oxytoca</i> Strain Simultaneously Producing NDM-1, IMP-4, and KPC-2 Carbapenemases. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	38
129	Identification and Characterization of Five New Molecular Serogroups of <i>Cronobacter</i> spp.. <i>Foodborne Pathogens and Disease</i> , 2013, 10, 343-352.	1.8	37
130	Surface attachment of active antimicrobial coatings onto conventional plastic-based laminates and performance assessment of these materials on the storage life of vacuum packaged beef sub-primals. <i>Food Microbiology</i> , 2017, 62, 196-201.	4.2	37
131	<i>Klebsiella pneumoniae</i> : Prevalence, Reservoirs, Antimicrobial Resistance, Pathogenicity, and Infection: A Hitherto Unrecognized Zoonotic Bacterium. <i>Foodborne Pathogens and Disease</i> , 2021, 18, 63-84.	1.8	36
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