Martin Wiedmann

List of Publications by Year in Descending Order

448 papers	20,169 citations	76 h-index	118 g-index
474 ext. papers	24,215 ext. citations	4.5 avg, IF	7.03 L-index

#	Paper	IF	Citations
448	Development of a Genomics-Based Approach To Identify Putative Hypervirulent Nontyphoidal Salmonella Isolates: Salmonella enterica Serovar Saintpaul as a Model.. *MSphere*, **2022**, e0073021	5	0
447	Associations between Listeria monocytogenes genomic characteristics and adhesion to polystyrene at 8 C. *Food Microbiology*, **2022**, 102, 103915	6	1
446	Using agent-based modeling to compare corrective actions for Listeria contamination in produce packinghouses.. *PLoS ONE*, **2022**, 17, e0265251	3.7	1
445	Growth and survival of aerobic and Gram-negative bacteria on fresh spinach in a Chinese supply chain from harvest through distribution and refrigerated storage.. *International Journal of Food Microbiology*, **2022**, 370, 109639	5.8	0
444	The Number and Type of Chaperone-Usher Fimbriae Reflect Phylogenetic Clade Rather than Host Range in Salmonella.. *MSystems*, **2022**, e0011522	7.6	0
443	Nonsynonymous Mutations in Are Associated with Adaptation of Listeria monocytogenes and Other spp. to Low Concentrations of Benzalkonium Chloride but Do Not Increase Survival of L. monocytogenes and Other spp. after Exposure to Benzalkonium Chloride Concentrations Recommended for Use in Food Processing Environments.. *Applied and Environmental Microbiology*,	4.8	0
442	Small Produce Farm Environments Can Harbor Diverse Listeria monocytogenes and Listeria spp. Populations. *Journal of Food Protection*, **2021**, 84, 113-121	2.5	2
441	An assessment of reference method selective broths and plating media using 19 Listeria spp. highlights the importance of including diverse species in Listeria spp. method evaluations. *Journal of Food Protection*, **2021**,	2.5	1
440	Characterization of Basal Transcriptomes Identifies Potential Metabolic and Virulence-Associated Adaptations Among Diverse Nontyphoidal Serovars. *Frontiers in Microbiology*, **2021**, 12, 730411	5.7	1
439	Development of a database and standardized approach for rpoB sequence-based subtyping and identification of aerobic spore-forming Bacillales. *Journal of Microbiological Methods*, **2021**, 191, 106350	2.8	0
438	Monitoring the Microevolution of in Healthy Dairy Cattle Populations at the Individual Farm Level Using Whole-Genome Sequencing. *Frontiers in Microbiology*, **2021**, 12, 763669	5.7	2
437	Machine Learning and Advanced Statistical Modeling Can Identify Key Quality Management Practices That Affect Postpasteurization Contamination of Fluid Milk. *Journal of Food Protection*, **2021**, 84, 1496-1511	2.5	3
436	Evaluation of Serotype Prediction With Multiplex Nanopore Sequencing. *Frontiers in Microbiology*, **2021**, 12, 637771	5.7	1
435	A standard set of testing methods reliably enumerates spores across commercial milk powders. *Journal of Dairy Science*, **2021**, 104, 2615-2631	4	
434	Identification, subtyping, and tracking of dairy spoilage-associated Pseudomonas by sequencing the ileS gene. *Journal of Dairy Science*, **2021**, 104, 2668-2683	4	2
433	Alternative Factors Regulate Overlapping as Well as Distinct Stress Response and Metabolic Functions in under Stationary Phase Stress Condition. *Pathogens*, **2021**, 10,	4.5	1
432	Characterization of the roles of activated charcoal and Chelex in the induction of PrfA regulon expression in complex medium. *PLoS ONE*, **2021**, 16, e0250989	3.7	0

431	Interpretability Versus Accuracy: A Comparison of Machine Learning Models Built Using Different Algorithms, Performance Measures, and Features to Predict Levels in Agricultural Water. *Frontiers in Artificial Intelligence*, **2021**, 4, 628441	3	6
430	Listeria cossartiae sp. nov., Listeria farberi sp. nov., Listeria immobilis sp. nov., Listeria portnoyi sp. nov. and Listeria rustica sp. nov., isolated from agricultural water and natural environments. *International Journal of Systematic and Evolutionary Microbiology*, **2021**, 71,	2.2	10
429	Keeping up with the group: taxonomy through the genomics era and beyond. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-26	11.5	5
428	Moving Past Species Classifications for Risk-Based Approaches to Food Safety: Salmonella as a Case Study. *Frontiers in Sustainable Food Systems*, **2021**, 5,	4.8	3
427	DNA Extraction and Host Depletion Methods Significantly Impact and Potentially Bias Bacterial Detection in a Biological Fluid. *MSystems*, **2021**, 6, e0061921	7.6	1
426	All food processes have a residual risk, some are small, some very small and some are extremely small: zero risk does not exist. *Current Opinion in Food Science*, **2021**, 39, 83-92	9.8	7
425	Food Safety and Employee Health Implications of COVID-19: A Review. *Journal of Food Protection*, **2021**, 84, 1973-1989	2.5	7
424	Optimizing Pasteurized Fluid Milk Shelf-Life Through Microbial Spoilage Reduction. *Frontiers in Sustainable Food Systems*, **2021**, 5,	4.8	1
423	Nationwide genomic atlas of soil-dwelling Listeria reveals effects of selection and population ecology on pangenome evolution. *Nature Microbiology*, **2021**, 6, 1021-1030	26.6	14
422	Alternative approaches to the risk management of Listeria monocytogenes in low risk foods. *Food Control*, **2021**, 123, 107601	6.2	12
421	Invited review: Controlling dairy product spoilage to reduce food loss and waste. *Journal of Dairy Science*, **2021**, 104, 1251-1261	4	9
420	Nature versus Nurture: Assessing the Impact of Strain Diversity and Pregrowth Conditions on Salmonella enterica, Escherichia coli, and Species Growth and Survival on Selected Produce Items. *Applied and Environmental Microbiology*, **2021**, 87,	4.8	2
419	Adjacent Terrestrial Landscapes Impact the Biogeographical Pattern of Soil Escherichia coli Strains in Produce Fields by Modifying the Importance of Environmental Selection and Dispersal. *Applied and Environmental Microbiology*, **2021**, 87,	4.8	1
418	Antibiotic Resistance in Shiga Toxigenic Isolates from Surface Waters and Sediments in a Mixed Use Urban Agricultural Landscape. *Antibiotics*, **2021**, 10,	4.9	5
417	The Majority of Typhoid Toxin-Positive Serovars Encode ArtB, an Alternate Binding Subunit. *MSphere*, **2021**, 6,	5	2
416	Identification of Closely Related Listeria monocytogenes Isolates with No Apparent Evidence for a Common Source or Location: A Retrospective Whole Genome Sequencing Analysis. *Journal of Food Protection*, **2021**, 84, 1104-1113	2.5	1
415	Recent Evolution and Genomic Profile of Salmonella enterica Serovar Heidelberg Isolates from Poultry Flocks in Brazil. *Applied and Environmental Microbiology*, **2021**, 87, e0103621	4.8	1
414	Models for Design and Optimization of Science-Based Environmental Monitoring Programs in Fresh-Cut Produce Facilities. *Applied and Environmental Microbiology*, **2021**, 87, e0079921	4.8	2

413	Integrative Survey of 68 Non-overlapping Upstate New York Watersheds Reveals Stream Features Associated With Aquatic Fecal Contamination. *Frontiers in Microbiology*, **2021**, 12, 684533	5.7	1
412	Cross-Validation Indicates Predictive Models May Provide an Alternative to Indicator Organism Monitoring for Evaluating Pathogen Presence in Southwestern US Agricultural Water. *Frontiers in Water*, **2021**, 3,	2.6	3
411	Development of predictive models evaluating the spoilage-delaying effect of a bioprotective culture on different yeast species in yogurt. *Journal of Dairy Science*, **2021**, 104, 9570-9582	4	1
410	Phylogeographic Clustering Suggests that Distinct Clades of Salmonella enterica Serovar Mississippi Are Endemic in Australia, the United Kingdom, and the United States. *MSphere*, **2021**, 6, e0048521	5	1
409	Factors that contribute to persistent Listeria in food processing facilities and relevant interventions: A rapid review. *Food Control*, **2021**, 133, 108579	6.2	4
408	Interventions designed to control postpasteurization contamination in high-temperature, short-time-pasteurized fluid milk processing facilities: A case study on the effect of employee training, clean-in-place chemical modification, and preventive maintenance programs. *Journal of Dairy Science*, **2020**, 103, 7569-7584	4	4
407	A phage-encoded anti-CRISPR enables complete evasion of type VI-A CRISPR-Cas immunity. *Science*, **2020**, 369, 54-59	33.3	28
406	Short communication: Coliform Petrifilm as an alternative method for detecting total gram-negative bacteria in fluid milk. *Journal of Dairy Science*, **2020**, 103, 5043-5046	4	3
405	Landscape, Water Quality, and Weather Factors Associated With an Increased Likelihood of Foodborne Pathogen Contamination of New York Streams Used to Source Water for Produce Production. *Frontiers in Sustainable Food Systems*, **2020**, 3,	4.8	23
404	Complex Interactions Between Weather, and Microbial and Physicochemical Water Quality Impact the Likelihood of Detecting Foodborne Pathogens in Agricultural Water. *Frontiers in Microbiology*, **2020**, 11, 134	5.7	27
403	Effect of Weather on the Die-Off of Escherichia coli and Attenuated Salmonella enterica Serovar Typhimurium on Preharvest Leafy Greens following Irrigation with Contaminated Water. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	3
402	Spoilage Mold in Dairy Products **2020**, 607-607		0
401	Evaluation of real-time nanopore sequencing for Salmonella serotype prediction. *Food Microbiology* , **2020**, 89, 103452	6	10
400	Paenibacillus odorifer, the Predominant Species Isolated from Milk in the United States, Demonstrates Genetic and Phenotypic Conservation of Psychrotolerance but Clade-Associated Differences in Nitrogen Metabolic Pathways. *MSphere*, **2020**, 5,	5	3
399	Proposal of a Taxonomic Nomenclature for the Bacillus cereus Group Which Reconciles Genomic Definitions of Bacterial Species with Clinical and Industrial Phenotypes. *MBio*, **2020**, 11,	7.8	53
398	Nevertheless, She Resisted - Role of the Environment on Sensitivity to Nisin Treatment in a Laboratory Cheese Model. *Frontiers in Microbiology*, **2020**, 11, 635	5.7	14
397	A practical training program for fluid milk defect judging should focus on initial training of panelists. *Journal of Dairy Science*, **2020**, 103, 6716-6726	4	1
396	Milking time hygiene interventions on dairy farms reduce spore counts in raw milk. *Journal of Dairy Science*, **2020**, 103, 4088-4099	4	7

395	Prevalence, Persistence, and Diversity of and Species in Produce Packinghouses in Three U.S. States. *Journal of Food Protection*, **2020**, 277-286	2.5	14
394	Validation Using Diverse, Difficult-to-Detect Salmonella Strains and a Dark Chocolate Matrix Highlights the Critical Role of Strain Selection for Evaluation of Simplified, Rapid PCR-Based Methods Offering Next-Day Time to Results. *Journal of Food Protection*, **2020**, 83, 1374-1386	2.5	2
393	Detection and Prevalence of Listeria in U.S. Produce Packinghouses and Fresh-Cut Facilities. *Journal of Food Protection*, **2020**, 83, 1656-1666	2.5	11
392	Listeria monocytogenes Prevalence Varies More within Fields Than between Fields or over Time on Conventionally Farmed New York Produce Fields. *Journal of Food Protection*, **2020**, 83, 1958-1966	2.5	3
391	Extended Enrichment Procedures Can Be Used To Define False-Negative Probabilities for Cultural Gold Standard Methods for Salmonella Detection, Facilitating Comparisons between Gold Standard and Alternative Methods. *Journal of Food Protection*, **2020**, 83, 1030-1037	2.5	1
390	Spore-Forming Bacteria Associated with Dairy Powders Can Be Found in Bacteriological Grade Agar-Agar Supply. *Journal of Food Protection*, **2020**, 83, 2074-2079	2.5	1
389	The Plasmidome as a Reservoir of Antibiotic Resistance. *Microorganisms*, **2020**, 8,	4.9	11
388	Transcriptional profiling of the L. monocytogenes PrfA regulon identifies six novel putative PrfA-regulated genes. *FEMS Microbiology Letters*, **2020**, 367,	2.9	1
387	Predictive Models May Complement or Provide an Alternative to Existing Strategies for Assessing the Enteric Pathogen Contamination Status of Northeastern Streams Used to Provide Water for Produce Production. *Frontiers in Sustainable Food Systems*, **2020**, 4,	4.8	11
386	Pre-growth conditions and strain diversity affect nisin treatment efficacy against Listeria monocytogenes on cold-smoked salmon. *International Journal of Food Microbiology*, **2020**, 333, 108793	5.8	4
385	Twentieth-century emergence of antimicrobial resistant human- and bovine-associated Salmonella enterica serotype Typhimurium lineages in New York State. *Scientific Reports*, **2020**, 10, 14428	4.9	2
384	Cereulide Synthetase Acquisition and Loss Events within the Evolutionary History of Group III Facilitate the Transition between Emetic and Diarrheal Foodborne Pathogens. *MBio*, **2020**, 11,	7.8	6
383	Comparative genomics reveals different population structures associated with host and geographic origin in antimicrobial-resistant Salmonella enterica. *Environmental Microbiology*, **2020**, 22, 2811-2828	5.2	7
382	Evolution of Listeria monocytogenes in a Food Processing Plant Involves Limited Single-Nucleotide Substitutions but Considerable Diversification by Gain and Loss of Prophages. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	30
381	Recent Advances in Our Understanding of the Diversity and Roles of Chaperone-Usher Fimbriae in Facilitating Host and Tissue Tropism. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 628043	5.9	2
380	Cross Talk between SigB and PrfA in Listeria monocytogenes Facilitates Transitions between Extra- and Intracellular Environments. *Microbiology and Molecular Biology Reviews*, **2019**, 83,	13.2	32
379	A Conceptual Framework for Developing Recommendations for No-Harvest Buffers around In-Field Feces. *Journal of Food Protection*, **2019**, 1052-1060	2.5	3
378	EnABLe: An agent-based model to understand Listeria dynamics in food processing facilities. *Scientific Reports*, **2019**, 9, 495	4.9	15

377	A century of gray: A genomic locus found in 2 distinct Pseudomonas spp. is associated with historical and contemporary color defects in dairy products worldwide. *Journal of Dairy Science*, **2019**, 102, 5979-6000	4	12
376	Assembly and Characterization of a Pathogen Strain Collection for Produce Safety Applications: Pre-growth Conditions Have a Larger Effect on Peroxyacetic Acid Tolerance Than Strain Diversity. *Frontiers in Microbiology*, **2019**, 10, 1223	5.7	7
375	Serotype-specific evolutionary patterns of antimicrobial-resistant Salmonella enterica. *BMC Evolutionary Biology*, **2019**, 19, 132	3	10
374	Comparative Analysis of Tools and Approaches for Source Tracking in a Food Facility Using Whole-Genome Sequence Data. *Frontiers in Microbiology*, **2019**, 10, 947	5.7	32
373	Identification of Novel Mobilized Colistin Resistance Gene in a Multidrug-Resistant, Colistin-Susceptible Salmonella enterica Serotype Typhimurium Isolate. *MBio*, **2019**, 10,	7.8	247
372	Genes Associated With Psychrotolerant Group Isolates. *Frontiers in Microbiology*, **2019**, 10, 662	5.7	4
371	Evaluation of invA Diversity among Salmonella Species Suggests Why Some Commercially Available Rapid Detection Kits May Fail To Detect Multiple Salmonella Subspecies and Species. *Journal of Food Protection*, **2019**, 82, 710-717	2.5	8
370	Characterization of Emetic and Diarrheal Strains From a 2016 Foodborne Outbreak Using Whole-Genome Sequencing: Addressing the Microbiological, Epidemiological, and Bioinformatic Challenges. *Frontiers in Microbiology*, **2019**, 10, 144	5.7	50
369	Bedding and bedding management practices are associated with mesophilic and thermophilic spore levels in bulk tank raw milk. *Journal of Dairy Science*, **2019**, 102, 6885-6900	4	9
368	The ADP-Ribosylating Toxins of. *Toxins*, **2019**, 11,	4.9	7
367	Embracing Diversity: Differences in Virulence Mechanisms, Disease Severity, and Host Adaptations Contribute to the Success of Nontyphoidal as a Foodborne Pathogen. *Frontiers in Microbiology*, **2019**, 10, 1368	5.7	30
366	Assessment and Comparison of Molecular Subtyping and Characterization Methods for. *Frontiers in Microbiology*, **2019**, 10, 1591	5.7	27
365	Systematic review of the regulon supports a role in stress response, virulence and metabolism. *Future Microbiology*, **2019**, 14, 801-828	2.9	28
364	Internal transcribed spacer (ITS) sequence-based characterization of fungal isolates from multiple yogurt facilities-A case study. *Journal of Dairy Science*, **2019**, 102, 3646-3653	4	2
363	An Assessment of Listeriosis Risk Associated with a Contaminated Production Lot of Frozen Vegetables Consumed under Alternative Consumer Handling Scenarios. *Journal of Food Protection*, **2019**, 82, 2174-2193	2.5	2
362	Bacterial spore levels in bulk tank raw milk are influenced by environmental and cow hygiene factors. *Journal of Dairy Science*, **2019**, 102, 9689-9701	4	12
361	Environmental conditions and serotype affect Listeria monocytogenes susceptibility to phage treatment in a laboratory cheese model. *Journal of Dairy Science*, **2019**, 102, 9674-9688	4	11
360	Next-Generation Sequencing **2019**, 376-383		1

359	The Typhoid Toxin Produced by the Nontyphoidal Serotype Javiana Is Required for Induction of a DNA Damage Response and Systemic Spread. *MBio*, **2018**, 9,	7.8	18
358	Intraclade Variability in Toxin Production and Cytotoxicity of Bacillus cereus Group Type Strains and Dairy-Associated Isolates. *Applied and Environmental Microbiology*, **2018**, 84,	4.8	35
357	Identification and classification of sampling sites for pathogen environmental monitoring programs for Listeria monocytogenes: Results from an expert elicitation. *Food Microbiology*, **2018**, 75, 2-17	6	19
356	Emerging needs and opportunities in foodborne disease detection and prevention: From tools to people. *Food Microbiology*, **2018**, 75, 65-71	6	21
355	Approaches to empower the implementation of new tools to detect and prevent foodborne pathogens in food processing. *Food Microbiology*, **2018**, 75, 126-132	6	13
354	The Bile Stimulon under Acidic Conditions Is Characterized by Strain-Specific Patterns and the Upregulation of Motility, Cell Wall Modification Functions, and the PrfA Regulon. *Frontiers in Microbiology*, **2018**, 9, 120	5.7	14
353	Prophage Sequence Profiles Reflect Genome Diversity and Can Be Used for High Discrimination Subtyping. *Frontiers in Microbiology*, **2018**, 9, 836	5.7	24
352	Design Elements of Listeria Environmental Monitoring Programs in Food Processing Facilities: A Scoping Review of Research and Guidance Materials. *Comprehensive Reviews in Food Science and Food Safety*, **2018**, 17, 1156-1171	16.4	19
351	Psychrotolerant spore-former growth characterization for the development of a dairy spoilage predictive model. *Journal of Dairy Science*, **2018**, 101, 6964-6981	4	14
350	Rapid detection and characterization of postpasteurization contaminants in pasteurized fluid milk. *Journal of Dairy Science*, **2018**, 101, 7746-7756	4	12
349	Symposium review: Effect of post-pasteurization contamination on fluid milk quality. *Journal of Dairy Science*, **2018**, 101, 861-870	4	36
348	Molecular ecology of Listeria spp., Salmonella, Escherichia coli O157:H7 and non-O157 Shiga toxin-producing E.□coli in pristine natural environments in Northern Colorado. *Journal of Applied Microbiology*, **2018**, 124, 511-521	4.7	5
347	Foodborne Illness Outbreak Investigation Training Needs: A Survey Among State Public Health Staff in the Northeast and Mid-Atlantic United States. *Journal of Public Health Management and Practice*, **2018**, 24, 34-40	1.9	0
346	Backyard Farms Represent a Source of Wide Host Range Salmonella Phages That Lysed the Most Common Salmonella Serovars. *Journal of Food Protection*, **2018**, 81, 272-278	2.5	5
345	Evaluation of biopreservatives in Greek yogurt to inhibit yeast and mold spoilage and development of a yogurt spoilage predictive model. *Journal of Dairy Science*, **2018**, 101, 10759-10774	4	11
344	Pseudomonas fluorescens group bacterial strains are responsible for repeat and sporadic postpasteurization contamination and reduced fluid milk shelf life. *Journal of Dairy Science*, **2018**, 101, 7780-7800	4	27
343	Whole-Genome Sequencing of Drug-Resistant Salmonella enterica Isolates from Dairy Cattle and Humans in New York and Washington States Reveals Source and Geographic Associations. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	61
342	Genetic Stability and Evolution of the Allele, Used for Listeria Sensu Stricto Subtyping and Phylogenetic Inference. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	15

341	Escherichia coli transfer from simulated wildlife feces to lettuce during foliar irrigation: A field study in the Northeastern United States. *Food Microbiology*, **2017**, 68, 24-33	6	11
340	Precision food safety: A systems approach to food safety facilitated by genomics tools. *TrAC - Trends in Analytical Chemistry*, **2017**, 96, 52-61	14.6	37
339	Survival and detection of coliforms, Enterobacteriaceae, and gram-negative bacteria in Greek yogurt. *Journal of Dairy Science*, **2017**, 100, 950-960	4	21
338	Survival of Escherichia coli on Lettuce under Field Conditions Encountered in the Northeastern United States. *Journal of Food Protection*, **2017**, 80, 1214-1221	2.5	20
337	Enhanced Sanitation Standard Operating Procedures Have Limited Impact on Listeria monocytogenes Prevalence in Retail Delis. *Journal of Food Protection*, **2017**, 1903-1912	2.5	22
336	Internal transcribed spacer (ITS) sequencing reveals considerable fungal diversity in dairy products. *Journal of Dairy Science*, **2017**, 100, 8814-8825	4	23
335	Longitudinal assessment of dairy farm management practices associated with the presence of psychrotolerant Bacillales spores in bulk tank milk on 10 New York State dairy farms. *Journal of Dairy Science*, **2017**, 100, 8783-8795	4	10
334	Short communication: Pseudomonas azotoformans causes gray discoloration in HTST fluid milk. *Journal of Dairy Science*, **2017**, 100, 7906-7909	4	9
333	A 100-Year Review: Microbiology and safety of milk handling. *Journal of Dairy Science*, **2017**, 100, 9933-9951	4	62
332	Rapid, High-Throughput Identification of Anthrax-Causing and Emetic Bacillus cereus Group Genome Assemblies via BTyper, a Computational Tool for Virulence-Based Classification of Bacillus cereus Group Isolates by Using Nucleotide Sequencing Data. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	40
331	Consensus categorization of cheese based on water activity and pH-A rational approach to systemizing cheese diversity. *Journal of Dairy Science*, **2017**, 100, 841-847	4	10
330	Comparative Genomics Reveals the Diversity of Restriction-Modification Systems and DNA Methylation Sites in Listeria monocytogenes. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	16
329	Stochastic and Differential Activation of and PrfA in at the Single Cell Level under Different Environmental Stress Conditions. *Frontiers in Microbiology*, **2017**, 8, 348	5.7	15
328	Temporal Genomic Phylogeny Reconstruction Indicates a Geospatial Transmission Path of Cerro in the United States and a Clade-Specific Loss of Hydrogen Sulfide Production. *Frontiers in Microbiology*, **2017**, 8, 737	5.7	20
327	A Syst-OMICS Approach to Ensuring Food Safety and Reducing the Economic Burden of Salmonellosis. *Frontiers in Microbiology*, **2017**, 8, 996	5.7	28
326	Home Alone: Elimination of All but One Alternative Sigma Factor in Allows Prediction of New Roles for *Frontiers in Microbiology*, **2017**, 8, 1910	5.7	18
325	Assessment of Listeria monocytogenes virulence in the Galleria mellonella insect larvae model. *PLoS ONE*, **2017**, 12, e0184557	3.7	16
324	Clostridium tepidum sp. nov., a close relative of Clostridium sporogenes and Clostridium botulinum Group I. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 2317-2322	2.2	6

323	Lactococcus petauri sp. nov., isolated from an abscess of a sugar glider. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 4397-4404	2.2	9
322	Development and Validation of Pathogen Environmental Monitoring Programs for Small Cheese Processing Facilities. *Journal of Food Protection*, **2016**, 79, 2095-2106	2.5	23
321	Quantifying human impact on Earth's microbiome. *Nature Microbiology*, **2016**, 1, 16145	26.6	16
320	The Cytolethal Distending Toxin Produced by Nontyphoidal Salmonella Serotypes Javiana, Montevideo, Oranienburg, and Mississippi Induces DNA Damage in a Manner Similar to That of Serotype Typhi. *MBio*, **2016**, 7,	7.8	25
319	An advanced bioinformatics approach for analyzing RNA-seq data reveals sigma H-dependent regulation of competence genes in Listeria monocytogenes. *BMC Genomics*, **2016**, 17, 115	4.5	10
318	Coliform detection in cheese is associated with specific cheese characteristics, but no association was found with pathogen detection. *Journal of Dairy Science*, **2016**, 99, 6105-6120	4	36
317	Validation of a Previously Developed Geospatial Model That Predicts the Prevalence of Listeria monocytogenes in New York State Produce Fields. *Applied and Environmental Microbiology*, **2016**, 82, 797-807	4.8	13
316	Identification and characterization of psychrotolerant coliform bacteria isolated from pasteurized fluid milk. *Journal of Dairy Science*, **2016**, 99, 130-40	4	31
315	Dynamic Duo-The Salmonella Cytolethal Distending Toxin Combines ADP-Ribosyltransferase and Nuclease Activities in a Novel Form of the Cytolethal Distending Toxin. *Toxins*, **2016**, 8,	4.9	14
314	Temperature Significantly Affects the Plaquing and Adsorption Efficiencies of Listeria Phages. *Frontiers in Microbiology*, **2016**, 7, 631	5.7	26
313	The Evolving Role of Coliforms As Indicators of Unhygienic Processing Conditions in Dairy Foods. *Frontiers in Microbiology*, **2016**, 7, 1549	5.7	72
312	Spatiotemporal Analysis of Microbiological Contamination in New York State Produce Fields following Extensive Flooding from Hurricane Irene, August 2011. *Journal of Food Protection*, **2016**, 79, 384-91	2.5	7
311	Production of hemolysin BL by Bacillus cereus group isolates of dairy origin is associated with whole-genome phylogenetic clade. *BMC Genomics*, **2016**, 17, 581	4.5	36
310	Resilience in the Face of Uncertainty: Sigma Factor B Fine-Tunes Gene Expression To Support Homeostasis in Gram-Positive Bacteria. *Applied and Environmental Microbiology*, **2016**, 82, 4456-4469	4.8	42
309	Exposure of fluid milk to LED light negatively affects consumer perception and alters underlying sensory properties. *Journal of Dairy Science*, **2016**, 99, 4309-4324	4	13
308	Spore test parameters matter: Mesophilic and thermophilic spore counts detected in raw milk and dairy powders differ significantly by test method. *Journal of Dairy Science*, **2016**, 99, 5180-5191	4	35
307	Characteristics and distribution of Listeria spp., including Listeria species newly described since 2009. *Applied Microbiology and Biotechnology*, **2016**, 100, 5273-87	5.7	151
306	Toward agent-based models for pre-harvest food safety. *IBM Journal of Research and Development*, **2016**, 60, 8:1-8:13	2.5	1

305	Influence of raw milk quality on processed dairy products: How do raw milk quality test results relate to product quality and yield?. *Journal of Dairy Science*, **2016**, 99, 10128-10149	4	64
304	Evaluation of different methods to detect microbial hygiene indicators relevant in the dairy industry. *Journal of Dairy Science*, **2016**, 99, 7033-7042	4	15
303	A proposed new bacteriophage subfamily: "Jerseyvirinae". *Archives of Virology*, **2015**, 160, 1021-33	2.6	16
302	Different management practices are associated with mesophilic and thermophilic spore levels in bulk tank raw milk. *Journal of Dairy Science*, **2015**, 98, 4338-51	4	33
301	A standard bacterial isolate set for research on contemporary dairy spoilage. *Journal of Dairy Science*, **2015**, 98, 5806-17	4	34
300	Genomics tools in microbial food safety. *Current Opinion in Food Science*, **2015**, 4, 105-110	9.8	19
299	Whole-Genome Sequencing Allows for Improved Identification of Persistent Listeria monocytogenes in Food-Associated Environments. *Applied and Environmental Microbiology*, **2015**, 81, 6024-37	4.8	98
298	Spatial and Temporal Factors Associated with an Increased Prevalence of Listeria monocytogenes in Spinach Fields in New York State. *Applied and Environmental Microbiology*, **2015**, 81, 6059-69	4.8	54
297	Seek and destroy process: Listeria monocytogenes process controls in the ready-to-eat meat and poultry industry. *Journal of Food Protection*, **2015**, 78, 436-45	2.5	59
296	Irrigation Is Significantly Associated with an Increased Prevalence of Listeria monocytogenes in Produce Production Environments in New York State. *Journal of Food Protection*, **2015**, 78, 1132-41	2.5	48
295	Selection and Characterization of Phage-Resistant Mutant Strains of Listeria monocytogenes Reveal Host Genes Linked to Phage Adsorption. *Applied and Environmental Microbiology*, **2015**, 81, 4295-305	4.8	48
294	VirR-Mediated Resistance of Listeria monocytogenes against Food Antimicrobials and Cross-Protection Induced by Exposure to Organic Acid Salts. *Applied and Environmental Microbiology*, **2015**, 81, 4553-62	4.8	31
293	Short communication: Postpasteurization hold temperatures of 4 or 6°C, but not raw milk holding of 24 or 72 hours, affect bacterial outgrowth in pasteurized fluid milk. *Journal of Dairy Science*, **2015**, 98, 7640-3	4	1
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3	DNA extraction and host depletion methods significantly impact and potentially bias bacterial detection in a biological fluid		1
2	Complex interactions between weather, and microbial and physiochemical water quality impact the likelihood of detecting foodborne pathogens in agricultural water		1
1	Proposal of a taxonomic nomenclature for theBacillus cereusgroup which reconciles genomic definitions of bacterial species with clinical and industrial phenotypes		2