# Sophia Kathariou

List of Publications by Year
in descending order



| 85 | 3,016 | 236833 | 168321 |
|---|---|---|---|
| papers | citations | 25 h-index | 53 g-index |

| 89 | 89 | 89 | 2732 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Listeria monocytogenes Virulence and Pathogenicity, a Food Safety Perspective. Journal of Food Protection, 2002, 65, 1811-1829. | 0.8 | 606 |
| 2 | Whole genome comparisons of serotype 4b and 1/2a strains of the food-borne pathogen Listeria monocytogenes reveal new insights into the core genome components of this species. Nucleic Acids Research, 2004, 32, 2386-2395. | 6.5 | 460 |
| 3 | Genetic Characterization of Plasmid-Associated Benzalkonium Chloride Resistance Determinants in a Listeria monocytogenes Strain from the 1998-1999 Outbreak. Applied and Environmental Microbiology, 2010, 76, 8231-8238. | 1.4 | 171 |
| 4 | Identification of host-associated alleles by multilocus sequence typing of Campylobacter coli strains from food animals. Microbiology (United Kingdom), 2006, 152, 245-255. | 0.7 | 124 |
| 5 | The Current State of Macrolide Resistance in Campylobacter spp.: Trends and Impacts of Resistance Mechanisms. Applied and Environmental Microbiology, 2017, 83, . | 1.4 | 118 |
| 6 | Fresh Produceâ€“Associated Listeriosis Outbreaks, Sources of Concern, Teachable Moments, and Insights. Journal of Food Protection, 2016, 79, 337-344. | 0.8 | 114 |
| 7 | Conservation and Distribution of the Benzalkonium Chloride Resistance Cassette bcrABC in Listeria monocytogenes. Applied and Environmental Microbiology, 2013, 79, 6067-6074. | 1.4 | 112 |
| 8 | Next generation microbiological risk assessment: opportunities of whole genome sequencing (WGS) for foodborne pathogen surveillance, source tracking and risk assessment. International Journal of Food Microbiology, 2018, 287, 3-9. | 2.1 | 95 |
| 9 | Competition of Listeria monocytogenes Serotype 1/2a and 4b Strains in Mixed-Culture Biofilms. Applied and Environmental Microbiology, 2009, 75, 5846-5852. | 1.4 | 72 |
| 10 | Heavy Metal and Disinfectant Resistance of Listeria monocytogenes from Foods and Food Processing Plants. Applied and Environmental Microbiology, 2012, 78, 6938-6945. | 1.4 | 72 |
| 11 | A Novel Serotype-Specific Gene Cassette ( gltA-gltB ) Is Required for Expression of Teichoic Acid-Associated Surface Antigens in Listeria monocytogenes of Serotype 4b. Journal of Bacteriology, 2001, 183, 1133-1139. | 1.0 | 63 |
| 12 | Host Ranges of Listeria -Specific Bacteriophages from the Turkey Processing Plant Environment in the United States. Applied and Environmental Microbiology, 2008, 74, 6623-6630. | 1.4 | 58 |
| 13 | Listeria monocytogenes Source Distribution Analysis Indicates Regional Heterogeneity and Ecological Niche Preference among Serotype 4b Clones. MBio, 2018, 9, . | 1.8 | 57 |
| 14 | Novel Cadmium Resistance Determinant in Listeria monocytogenes. Applied and Environmental Microbiology, 2017, 83, . | 1.4 | 51 |
| 15 | The Arsenic Resistance-Associated Listeria Genomic Island LGI2 Exhibits Sequence and Integration Site Diversity and a Propensity for Three Listeria monocytogenes Clones with Enhanced Virulence. Applied and Environmental Microbiology, 2017, 83, . | 1.4 | 50 |
| 16 | Necroptosis mediators RIPK3 and MLKL suppress intracellular Listeria replication independently of host cell killing. Journal of Cell Biology, 2019, 218, 1994-2005. | 2.3 | 48 |
| 17 | Antimicrobial Susceptibility Profiles and Strain Type Diversity of Campylobacter jejuni Isolates from Turkeys in Eastern North Carolina. Applied and Environmental Microbiology, 2009, 75, 474-482. | 1.4 | 45 |
| 18 | Atypical Listeria monocytogenes Serotype 4b Strains Harboring a Lineage II-Specific Gene Cassette. Applied and Environmental Microbiology, 2012, 78, 660-667. | 1.4 | 45 |

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|---|---|---|---|
| 19 | Campylobacter Colonization of Sibling Turkey Flocks Reared under Different Management Conditions. Journal of Food Protection, 2004, 67, 1463-1468. | 0.8 | 43 |
| 20 | Photoexcited state properties and antibacterial activities of carbon dots relevant to mechanistic features and implications. Carbon, 2020, 170, 137-145. | 5.4 | 42 |
| 21 | Heavy Metal Resistance Determinants of the Foodborne Pathogen Listeria monocytogenes. Genes, 2019, 10, 11. | 1.0 | 38 |
| 22 | Dissemination and conservation of cadmium and arsenic resistance determinants in Listeria and other Gramâ€positive bacteria. Molecular Microbiology, 2020, 113, 560-569. | 1.2 | 36 |
| 23 | Acute Fetal Demise with First Trimester Maternal Infection Resulting from Listeria monocytogenes in a Nonhuman Primate Model. MBio, 2017, 8, . | 1.8 | 34 |
| 24 | The Listeria monocytogenes Key Virulence Determinants hly and prfA are involved in Biofilm Formation and Aggregation but not Colonization of Fresh Produce. Pathogens, 2018, 7, 18. | 1.2 | 31 |
| 25 | CHARACTERIZATION OF CAMPYLOBACTER FROM RESIDENT CANADA GEESE IN AN URBAN ENVIRONMENT. Journal of Wildlife Diseases, 2013, 49, 1-9. | 0.3 | 28 |
| 26 | Carbon dots for highly effective photodynamic inactivation of multidrug-resistant bacteria. Materials Advances, 2020, 1, 321-325. | 2.6 | 27 |
| 27 | Population Structure of Listeria monocytogenes Serotype 4b Isolates from Sporadic Human Listeriosis Cases in the United States from 2003 to 2008. Applied and Environmental Microbiology, 2014, 80, 3632-3644. | 1.4 | 25 |
| 28 | Capacity of Listeria monocytogenes Strains from the 2011 Cantaloupe Outbreak To Adhere, Survive, and Grow on Cantaloupe. Journal of Food Protection, 2016, 79, 757-763. | 0.8 | 25 |
| 29 | Listeria monocytogenes at the humanâ€“wildlife interface: black bears ( Ursus americanus ) as potential vehicles for Listeria. Microbial Biotechnology, 2020, 13, 706-721. | 2.0 | 23 |
| 30 | Complete Genome Sequences of Multidrug-Resistant Campylobacter jejuni Strain 14980A (Turkey Feces) and Campylobacter coli Strain 14983A (Housefly from a Turkey Farm), Harboring a Novel Gentamicin Resistance Mobile Element. Genome Announcements, 2016, 4, . | 0.8 | 22 |
| 31 | Strain Persistence and Fluctuation of Multiple-Antibiotic ResistantCampylobacter coliColonizing Turkeys over Successive Production Cycles. Foodborne Pathogens and Disease, 2005, 2, 103-110. | 0.8 | 21 |
| 32 | Genetic Characterization of Plasmid-Associated Triphenylmethane Reductase in Listeria monocytogenes. Applied and Environmental Microbiology, 2014, 80, 5379-5385. | 1.4 | 19 |
| 33 | Effect of a direct-fed microbial and prebiotic on performance and intestinal histomorophology of turkey poults challenged with Salmonella and Campylobacter. Poultry Science, 2019, 98, 6572-6578. | 1.5 | 15 |
| 34 | Lack of Evidence for erm(B) Infiltration Into Erythromycin-Resistant Campylobacter coli and Campylobacter jejuni from Commercial Turkey Production in Eastern North Carolina: A Major Turkey-Growing Region in the United States. Foodborne Pathogens and Disease, 2018, 15, 698-700. | 0.8 | 13 |
| 35 | Bacillus cereus. , 0, , 147-164. | | 12 |
| 36 | Photoactivated Carbon Dots for Inactivation of Foodborne Pathogens Listeria and Salmonella. Applied and Environmental Microbiology, 2021, 87, e0104221. | 1.4 | 12 |

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|---|---|---|---|
| 37 | Listeria monocytogenes septicemia in an immunocompromised dog. Veterinary Clinical Pathology, 2016, 45, 254-259. | 0.3 | 11 |
| 38 | Natural Horizontal Gene Transfer of Antimicrobial Resistance Genes in Campylobacter spp. From Turkeys and Swine. Frontiers in Microbiology, 2021, 12, 732969. | 1.5 | 11 |
| 39 | Penicillin-binding protein encoded by pbp4 is involved in mediating copper stress in Listeria monocytogenes. FEMS Microbiology Letters, 2017, 364, . | 0.7 | 10 |
| 40 | Vaccine strain Listeria monocytogenes abscess in a dog: a case report. BMC Veterinary Research, 2019, 15, 467. | 0.7 | 10 |
| 41 | Search for Campylobacter spp. Reveals High Prevalence and Pronounced Genetic Diversity of Arcobacter butzleri in Floodwater Samples Associated with Hurricane Florence in North Carolina, USA. Applied and Environmental Microbiology, 2020, 86, . | 1.4 | 10 |
| 42 | Clostridium botulinum. , 2014, , 185-212. | | 9 |
| 43 | The effectiveness of a dietary direct-fed microbial and mannan oligosaccharide on ultrastructural changes of intestinal mucosa of turkey poults infected with Salmonella and Campylobacter. Poultry Science, 2020, 99, 1135-1149. | 1.5 | 9 |
| 44 | Microbial Contamination in Environmental Waters of Rural and Agriculturally-Dominated Landscapes Following Hurricane Florence. ACS ES&T Water, 2021, 1, 2012-2019. | 2.3 | 9 |
| 45 | Isolation and characterization of atypical Listeria monocytogenes associated with a canine urinary tract infection. Journal of Veterinary Diagnostic Investigation, 2016, 28, 604-607. | 0.5 | 8 |
| 46 | Use of Bacteriophage Amended with CRISPR-Cas Systems to Combat Antimicrobial Resistance in the Bacterial Foodborne Pathogen Listeria monocytogenes. Antibiotics, 2021, 10, 308. | 1.5 | 8 |
| 47 | Quantitative Recovery of Listeria monocytogenes and Select Salmonella Serotypes from Environmental Sample Media. Journal of AOAC INTERNATIONAL, 2007, 90, 250-257. | 0.7 | 7 |
| 48 | Whole-Genome Sequences of Agricultural, Host-Associated Campylobacter coli and Campylobacter jejuni Strains. Genome Announcements, 2016, 4, . | 0.8 | 7 |
| 49 | Proximity to Other Commercial Turkey Farms Affects Colonization Onset, Genotypes, and Antimicrobial Resistance Profiles of Campylobacter spp. in Turkeys: Suggestive Evidence from a Paired-Farm Model. Applied and Environmental Microbiology, 2018, 84, . | 1.4 | 7 |
| 50 | Identification and Characterization of a Novel Genomic Island Harboring Cadmium and Arsenic Resistance Genes in Listeria welshimeri. Biomolecules, 2021, 11, 560. | 1.8 | 7 |
| 51 | TAK1 inhibition elicits mitochondrial ROS to block intracellular bacterial colonization. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 7 |
| 52 | Whole-Genome Sequencing Reveals Multiple Subpopulations of Dominant and Persistent Lineage I Isolates of Listeria monocytogenes in Two Meat Processing Facilities during 2011â€“2015. Microorganisms, 2022, 10, 1070. | 1.6 | 6 |
| 53 | Strain-Specific Differences in Survival of Campylobacter spp. in Naturally Contaminated Turkey Feces and Water. Applied and Environmental Microbiology, 2019, 85, . | 1.4 | 5 |
| 54 | Impact of Ceftiofur Administration in Steers on the Prevalence and Antimicrobial Resistance of Campylobacter spp.. Microorganisms, 2021, 9, 318. | 1.6 | 4 |

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| 55 | Shigella Genomes: a Tale of Convergent Evolution and Specialization through IS Expansion and Genome Reduction. , 0, , 23-39. | | 4 |
| 56 | Draft Genome Sequence of Multidrug-Resistant Listeria innocua Strain UAM003-1A, Isolated from a Wild Black Bear (Ursus americanus). Microbiology Resource Announcements, 2019, 8, . | 0.3 | 4 |
| 57 | Growth and Survival of Attached Listeria on Lettuce and Stainless Steel Varies by Strain and Surface Type. Journal of Food Protection, 2021, 84, 903-911. | 0.8 | 3 |
| 58 | Strain-Specific Virulence Differences in Listeria monocytogenes: Current Perspectives in Addressing an Old and Vexing Issue. , 2017, , 61-92. | | 3 |
| 59 | Genomics of Listeria monocytogenes and Other Members of the Genus Listeria. , 0, , 125-145. | | 3 |
| 60 | Campylobacter and Arcobacter. , 0, , 49-65. | | 3 |
| 61 | Draft Genome Sequences of Two Historical Listeria monocytogenes Strains from Human Listeriosis Cases in 1933. Genome Announcements, 2016, 4, . | 0.8 | 2 |
| 62 | Genome Sequences of Listeria monocytogenes Strains with Resistance to Arsenic. Genome Announcements, 2017, 5, . | 0.8 | 2 |
| 63 | Requirement of lmo1930, a Gene in the Menaquinone Biosynthesis Operon, for Esculin Hydrolysis and Lithium Chloride Tolerance in Listeria monocytogenes. Microorganisms, 2019, 7, 539. | 1.6 | 2 |
| 64 | Foodborne Noroviruses. , 0, , 237-245. | | 2 |
| 65 | Cryptosporidium Species. , 0, , 271-286. | | 2 |
| 66 | Genome Rearrangements in Salmonella. , 0, , 41-48. | | 2 |
| 67 | How Genomics Has Shaped Our Understanding of the Evolution and Emergence of Pathogenic Vibrio cholerae. , 0, , 85-99. | | 2 |
| 68 | RNA Helicase Mediates Competitive Fitness of Listeria monocytogenes on the Surface of Cantaloupe. Horticulturae, 2018, 4, 40. | 1.2 | 1 |
| 69 | Bacillus anthracis. , 0, , 165-183. | | 1 |
| 70 | Clostridium perfringens. , 0, , 213-221. | | 1 |
| 71 | Comparative Genomics of Vibrio vulnificus: Biology and Applications. , 0, , 67-76. | | 1 |
| 72 | Photoactivated carbon dots inducing bacterial functional and molecular alterations. Materials Advances, 0, , . | 2.6 | 1 |

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|---|---|---|---|
| 73 | Giardia lamblia: Molecular Studies of an Early Branching Eukaryote. , 2014, , 287-298. | | 0 |
| 74 | Genomic and Postgenomic Approaches to Understanding the Pathogenesis of the Enteric Protozoan Parasite Entamoeba histolytica. , 2014, , 321-341. | | 0 |
| 75 | Genomics of Aspergillus flavus Mycotoxin Production. , 2014, , 259-270. | | 0 |
| 76 | Mycobacterium avium Subspecies paratuberculosis. , 0, , 223-235. | | 0 |
| 77 | Identification of a Campylobacter coli methyltransferase targeting adenines at GATC sites. FEMS Microbiology Letters, 2017, 364, fnw268. | 0.7 | 0 |
| 78 | Impact of the Toxoplasma gondii Genome Project. , 0, , 309-320. | | 0 |
| 79 | Staphylococcus aureus. , 0, , 113-123. | | 0 |
| 80 | Insights from Genomic Studies of the Foodborne and Waterborne Pathogen Escherichia coli O157:H7. , 0, , 1-21. | | 0 |
| 81 | Cyclospora cayetanensis: a Review of the Genome. , 0, , 299-308. | | 0 |
| 82 | Vibrio parahaemolyticus. , 0, , 77-84. | | 0 |
| 83 | Hepatitis A and E Viruses. , 0, , 247-258. | | 0 |
| 84 | Genomics of the Enteropathogenic Yersiniae. , 0, , 101-111. | | 0 |
| 85 | Mutant Construction and Integration Vector-Mediated Genetic Complementation in Listeria monocytogenes. Methods in Molecular Biology, 2021, 2220, 177-185. | 0.4 | 0 |