

# Sophia Kathariou

## List of Publications by Year in descending order

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85  
papers

3,016  
citations

236833

25  
h-index

168321

53  
g-index

89  
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89  
docs citations

89  
times ranked

2732  
citing authors

#	ARTICLE	IF	CITATIONS
1	Whole-Genome Sequencing Reveals Multiple Subpopulations of Dominant and Persistent Lineage I Isolates of <i>Listeria monocytogenes</i> in Two Meat Processing Facilities during 2011–2015. <i>Microorganisms</i> , 2022, 10, 1070.	1.6	6
2	Growth and Survival of Attached <i>Listeria</i> on Lettuce and Stainless Steel Varies by Strain and Surface Type. <i>Journal of Food Protection</i> , 2021, 84, 903-911.	0.8	3
3	Impact of Ceftiofur Administration in Steers on the Prevalence and Antimicrobial Resistance of <i>Campylobacter</i> spp.. <i>Microorganisms</i> , 2021, 9, 318.	1.6	4
4	Use of Bacteriophage Amended with CRISPR-Cas Systems to Combat Antimicrobial Resistance in the Bacterial Foodborne Pathogen <i>Listeria monocytogenes</i> . <i>Antibiotics</i> , 2021, 10, 308.	1.5	8
5	Identification and Characterization of a Novel Genomic Island Harboring Cadmium and Arsenic Resistance Genes in <i>Listeria welshimeri</i> . <i>Biomolecules</i> , 2021, 11, 560.	1.8	7
6	TAK1 inhibition elicits mitochondrial ROS to block intracellular bacterial colonization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	7
7	Microbial Contamination in Environmental Waters of Rural and Agriculturally-Dominated Landscapes Following Hurricane Florence. <i>ACS ES&amp;T Water</i> , 2021, 1, 2012-2019.	2.3	9
8	Natural Horizontal Gene Transfer of Antimicrobial Resistance Genes in <i>Campylobacter</i> spp. From Turkeys and Swine. <i>Frontiers in Microbiology</i> , 2021, 12, 732969.	1.5	11
9	Photoactivated Carbon Dots for Inactivation of Foodborne Pathogens <i>Listeria</i> and <i>Salmonella</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, e0104221.	1.4	12
10	Mutant Construction and Integration Vector-Mediated Genetic Complementation in <i>Listeria monocytogenes</i> . <i>Methods in Molecular Biology</i> , 2021, 2220, 177-185.	0.4	0
11	The effectiveness of a dietary direct-fed microbial and mannan oligosaccharide on ultrastructural changes of intestinal mucosa of turkey poult infected with <i>Salmonella</i> and <i>Campylobacter</i> . <i>Poultry Science</i> , 2020, 99, 1135-1149.	1.5	9
12	<i>Listeria monocytogenes</i> at the human–wildlife interface: black bears ( <i>Ursus americanus</i> ) as potential vehicles for <i>Listeria</i> . <i>Microbial Biotechnology</i> , 2020, 13, 706-721.	2.0	23
13	Search for <i>Campylobacter</i> spp. Reveals High Prevalence and Pronounced Genetic Diversity of <i>Arcobacter butzleri</i> in Floodwater Samples Associated with Hurricane Florence in North Carolina, USA. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	10
14	Photoexcited state properties and antibacterial activities of carbon dots relevant to mechanistic features and implications. <i>Carbon</i> , 2020, 170, 137-145.	5.4	42
15	Carbon dots for highly effective photodynamic inactivation of multidrug-resistant bacteria. <i>Materials Advances</i> , 2020, 1, 321-325.	2.6	27
16	Dissemination and conservation of cadmium and arsenic resistance determinants in <i>Listeria</i> and other Gram-positive bacteria. <i>Molecular Microbiology</i> , 2020, 113, 560-569.	1.2	36
17	Effect of a direct-fed microbial and prebiotic on performance and intestinal histomorphology of turkey poult challenged with <i>Salmonella</i> and <i>Campylobacter</i> . <i>Poultry Science</i> , 2019, 98, 6572-6578.	1.5	15
18	Strain-Specific Differences in Survival of <i>Campylobacter</i> spp. in Naturally Contaminated Turkey Feces and Water. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	5

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19	Necroptosis mediators RIPK3 and MLKL suppress intracellular <i>Listeria</i> replication independently of host cell killing. <i>Journal of Cell Biology</i> , 2019, 218, 1994-2005.	2.3	48
20	Requirement of lmo1930, a Gene in the Menaquinone Biosynthesis Operon, for Esculin Hydrolysis and Lithium Chloride Tolerance in <i>Listeria monocytogenes</i> . <i>Microorganisms</i> , 2019, 7, 539.	1.6	2
21	Vaccine strain <i>Listeria monocytogenes</i> abscess in a dog: a case report. <i>BMC Veterinary Research</i> , 2019, 15, 467.	0.7	10
22	Heavy Metal Resistance Determinants of the Foodborne Pathogen <i>Listeria monocytogenes</i> . <i>Genes</i> , 2019, 10, 11.	1.0	38
23	Draft Genome Sequence of Multidrug-Resistant <i>Listeria innocua</i> Strain UAM003-1A, Isolated from a Wild Black Bear ( <i>Ursus americanus</i> ). <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	4
24	Next generation microbiological risk assessment: opportunities of whole genome sequencing (WGS) for foodborne pathogen surveillance, source tracking and risk assessment. <i>International Journal of Food Microbiology</i> , 2018, 287, 3-9.	2.1	95
25	RNA Helicase Mediates Competitive Fitness of <i>Listeria monocytogenes</i> on the Surface of Cantaloupe. <i>Horticulturae</i> , 2018, 4, 40.	1.2	1
26	Lack of Evidence for <i>erm(B)</i> Infiltration Into Erythromycin-Resistant <i>Campylobacter coli</i> and <i>Campylobacter jejuni</i> from Commercial Turkey Production in Eastern North Carolina: A Major Turkey-Growing Region in the United States. <i>Foodborne Pathogens and Disease</i> , 2018, 15, 698-700.	0.8	13
27	Proximity to Other Commercial Turkey Farms Affects Colonization Onset, Genotypes, and Antimicrobial Resistance Profiles of <i>Campylobacter</i> spp. in Turkey: Suggestive Evidence from a Paired-Farm Model. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	7
28	The <i>Listeria monocytogenes</i> Key Virulence Determinants hly and prfA are involved in Biofilm Formation and Aggregation but not Colonization of Fresh Produce. <i>Pathogens</i> , 2018, 7, 18.	1.2	31
29	<i>Listeria monocytogenes</i> Source Distribution Analysis Indicates Regional Heterogeneity and Ecological Niche Preference among Serotype 4b Clones. <i>MBio</i> , 2018, 9, .	1.8	57
30	Identification of a <i>Campylobacter coli</i> methyltransferase targeting adenines at GATC sites. <i>FEMS Microbiology Letters</i> , 2017, 364, fnw268.	0.7	0
31	Novel Cadmium Resistance Determinant in <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	51
32	Acute Fetal Demise with First Trimester Maternal Infection Resulting from <i>Listeria monocytogenes</i> in a Nonhuman Primate Model. <i>MBio</i> , 2017, 8, .	1.8	34
33	The Current State of Macrolide Resistance in <i>Campylobacter</i> spp.: Trends and Impacts of Resistance Mechanisms. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	118
34	Genome Sequences of <i>Listeria monocytogenes</i> Strains with Resistance to Arsenic. <i>Genome Announcements</i> , 2017, 5, .	0.8	2
35	Penicillin-binding protein encoded by <i>pbp4</i> is involved in mediating copper stress in <i>Listeria monocytogenes</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	10
36	The Arsenic Resistance-Associated <i>Listeria</i> Genomic Island LGI2 Exhibits Sequence and Integration Site Diversity and a Propensity for Three <i>Listeria monocytogenes</i> Clones with Enhanced Virulence. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	50

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37	Strain-Specific Virulence Differences in <i>Listeria monocytogenes</i> : Current Perspectives in Addressing an Old and Vexing Issue. , 2017, , 61-92.		3
38	<i>Listeria monocytogenes</i> septicemia in an immunocompromised dog. <i>Veterinary Clinical Pathology</i> , 2016, 45, 254-259.	0.3	11
39	Complete Genome Sequences of Multidrug-Resistant <i>Campylobacter jejuni</i> Strain 14980A (Turkey Feces) and <i>Campylobacter coli</i> Strain 14983A (Housefly from a Turkey Farm), Harboring a Novel Gentamicin Resistance Mobile Element. <i>Genome Announcements</i> , 2016, 4, .	0.8	22
40	Isolation and characterization of atypical <i>Listeria monocytogenes</i> associated with a canine urinary tract infection. <i>Journal of Veterinary Diagnostic Investigation</i> , 2016, 28, 604-607.	0.5	8
41	Draft Genome Sequences of Two Historical <i>Listeria monocytogenes</i> Strains from Human Listeriosis Cases in 1933. <i>Genome Announcements</i> , 2016, 4, .	0.8	2
42	Whole-Genome Sequences of Agricultural, Host-Associated <i>Campylobacter coli</i> and <i>Campylobacter jejuni</i> Strains. <i>Genome Announcements</i> , 2016, 4, .	0.8	7
43	Capacity of <i>Listeria monocytogenes</i> Strains from the 2011 Cantaloupe Outbreak To Adhere, Survive, and Grow on Cantaloupe. <i>Journal of Food Protection</i> , 2016, 79, 757-763.	0.8	25
44	Fresh Produce-Associated Listeriosis Outbreaks, Sources of Concern, Teachable Moments, and Insights. <i>Journal of Food Protection</i> , 2016, 79, 337-344.	0.8	114
45	<i>Clostridium botulinum</i> . , 2014, , 185-212.		9
46	Genetic Characterization of Plasmid-Associated Triphenylmethane Reductase in <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 5379-5385.	1.4	19
47	Population Structure of <i>Listeria monocytogenes</i> Serotype 4b Isolates from Sporadic Human Listeriosis Cases in the United States from 2003 to 2008. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3632-3644.	1.4	25
48	<i>Giardia lamblia</i> : Molecular Studies of an Early Branching Eukaryote. , 2014, , 287-298.		0
49	Genomic and Postgenomic Approaches to Understanding the Pathogenesis of the Enteric Protozoan Parasite <i>Entamoeba histolytica</i> . , 2014, , 321-341.		0
50	Genomics of <i>Aspergillus flavus</i> Mycotoxin Production. , 2014, , 259-270.		0
51	CHARACTERIZATION OF <i>CAMPYLOBACTER</i> FROM RESIDENT CANADA GEESE IN AN URBAN ENVIRONMENT. <i>Journal of Wildlife Diseases</i> , 2013, 49, 1-9.	0.3	28
52	Conservation and Distribution of the Benzalkonium Chloride Resistance Cassette <i>bcrABC</i> in <i>Listeria monocytogenes</i> . <i>Applied and Environmental Microbiology</i> , 2013, 79, 6067-6074.	1.4	112
53	Atypical <i>Listeria monocytogenes</i> Serotype 4b Strains Harboring a Lineage II-Specific Gene Cassette. <i>Applied and Environmental Microbiology</i> , 2012, 78, 660-667.	1.4	45
54	Heavy Metal and Disinfectant Resistance of <i>Listeria monocytogenes</i> from Foods and Food Processing Plants. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6938-6945.	1.4	72

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55	Genetic Characterization of Plasmid-Associated Benzalkonium Chloride Resistance Determinants in a <i>Listeria monocytogenes</i> Strain from the 1998-1999 Outbreak. <i>Applied and Environmental Microbiology</i> , 2010, 76, 8231-8238.	1.4	171
56	Antimicrobial Susceptibility Profiles and Strain Type Diversity of <i>Campylobacter jejuni</i> Isolates from Turkeys in Eastern North Carolina. <i>Applied and Environmental Microbiology</i> , 2009, 75, 474-482.	1.4	45
57	Competition of <i>Listeria monocytogenes</i> Serotype 1/2a and 4b Strains in Mixed-Culture Biofilms. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5846-5852.	1.4	72
58	Host Ranges of <i>Listeria</i> -Specific Bacteriophages from the Turkey Processing Plant Environment in the United States. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6623-6630.	1.4	58
59	Quantitative Recovery of <i>Listeria monocytogenes</i> and Select <i>Salmonella</i> Serotypes from Environmental Sample Media. <i>Journal of AOAC INTERNATIONAL</i> , 2007, 90, 250-257.	0.7	7
60	Identification of host-associated alleles by multilocus sequence typing of <i>Campylobacter coli</i> strains from food animals. <i>Microbiology (United Kingdom)</i> , 2006, 152, 245-255.	0.7	124
61	Strain Persistence and Fluctuation of Multiple-Antibiotic Resistant <i>Campylobacter coli</i> Colonizing Turkeys over Successive Production Cycles. <i>Foodborne Pathogens and Disease</i> , 2005, 2, 103-110.	0.8	21
62	<i>Campylobacter</i> Colonization of Sibling Turkey Flocks Reared under Different Management Conditions. <i>Journal of Food Protection</i> , 2004, 67, 1463-1468.	0.8	43
63	Whole genome comparisons of serotype 4b and 1/2a strains of the food-borne pathogen <i>Listeria monocytogenes</i> reveal new insights into the core genome components of this species. <i>Nucleic Acids Research</i> , 2004, 32, 2386-2395.	6.5	460
64	<i>Listeria monocytogenes</i> Virulence and Pathogenicity, a Food Safety Perspective. <i>Journal of Food Protection</i> , 2002, 65, 1811-1829.	0.8	606
65	A Novel Serotype-Specific Gene Cassette ( <i>gltA-gltB</i> ) Is Required for Expression of Teichoic Acid-Associated Surface Antigens in <i>Listeria monocytogenes</i> of Serotype 4b. <i>Journal of Bacteriology</i> , 2001, 183, 1133-1139.	1.0	63
66	<i>Bacillus cereus</i> . , 0, , 147-164.		12
67	<i>Mycobacterium avium</i> Subspecies <i>paratuberculosis</i> . , 0, , 223-235.		0
68	Genomics of <i>Listeria monocytogenes</i> and Other Members of the Genus <i>Listeria</i> . , 0, , 125-145.		3
69	<i>Bacillus anthracis</i> . , 0, , 165-183.		1
70	<i>Clostridium perfringens</i> . , 0, , 213-221.		1
71	Foodborne Noroviruses. , 0, , 237-245.		2
72	<i>Cryptosporidium</i> Species. , 0, , 271-286.		2

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73	<i>Shigella</i> Genomes: a Tale of Convergent Evolution and Specialization through IS Expansion and Genome Reduction. , 0 , 23-39.		4
74	Genome Rearrangements in Salmonella. , 0 , 41-48.		2
75	Campylobacter and Arcobacter. , 0 , 49-65.		3
76	Impact of the <i>Toxoplasma gondii</i> Genome Project. , 0 , 309-320.		0
77	Comparative Genomics of Vibrio vulnificus: Biology and Applications. , 0 , 67-76.		1
78	Staphylococcus aureus. , 0 , 113-123.		0
79	How Genomics Has Shaped Our Understanding of the Evolution and Emergence of Pathogenic Vibrio cholerae. , 0 , 85-99.		2
80	Insights from Genomic Studies of the Foodborne and Waterborne Pathogen Escherichia coli O157:H7. , 0 , 1-21.		0
81	<i>Cyclospora cayetanensis</i>: 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	Photoactivated carbon dots inducing bacterial functional and molecular alterations. Materials Advances, 0 , .	2.6	1