

# Heather K Allen

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

5,991  
citations

279798

23  
h-index

168389

53  
g-index

59  
all docs

59  
docs citations

59  
times ranked

8158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic Changes within a Subset of IncI2 Plasmids Associated with Dissemination of mcr-1 Genes and Other Important Antimicrobial Resistance Determinants. <i>Antibiotics</i> , 2022, 11, 181.	3.7	3
2	Diversity of Antibiotic Resistance genes and Transfer Elements-Quantitative Monitoring (DARTE-QM): a method for detection of antimicrobial resistance in environmental samples. <i>Communications Biology</i> , 2022, 5, 216.	4.4	7
3	Antimicrobial resistance in commensal <i>Escherichia coli</i> and <i>Enterococcus</i> spp. isolated from pigs subjected to different antimicrobial administration protocols. <i>Research in Veterinary Science</i> , 2021, 137, 174-185.	1.9	9
4	Weaning Age and Its Effect on the Development of the Swine Gut Microbiome and Resistome. <i>MSystems</i> , 2021, 6, e0068221.	3.8	26
5	Recto-Anal Junction (RA) and Fecal Microbiomes of Cattle Experimentally Challenged With <i>Escherichia coli</i> O157:H7. <i>Frontiers in Microbiology</i> , 2020, 11, 693.	3.5	6
6	Outer membrane protein A (OmpA) of extraintestinal pathogenic <i>Escherichia coli</i> . <i>BMC Research Notes</i> , 2020, 13, 51.	1.4	18
7	Toward Antibiotic Stewardship: Route of Antibiotic Administration Impacts the Microbiota and Resistance Gene Diversity in Swine Feces. <i>Frontiers in Veterinary Science</i> , 2020, 7, 255.	2.2	26
8	Dietary Resistant Potato Starch Alters Intestinal Microbial Communities and Their Metabolites, and Markers of Immune Regulation and Barrier Function in Swine. <i>Frontiers in Immunology</i> , 2019, 10, 1381.	4.8	56
9	Shifts in the nasal microbiota of swine in response to different dosing regimens of oxytetracycline administration. <i>Veterinary Microbiology</i> , 2019, 237, 108386.	1.9	17
10	Investigating the dispersal of antibiotic resistance associated genes from manure application to soil and drainage waters in simulated agricultural farmland systems. <i>PLoS ONE</i> , 2019, 14, e0222470.	2.5	20
11	<i>Paenibacillus</i> 79R4, a potential rumen probiotic to enhance nitrite detoxification and methane mitigation in nitrate-treated ruminants. <i>Science of the Total Environment</i> , 2019, 671, 324-328.	8.0	19
12	Fecal microbiota changes associated with dehorning and castration stress primarily affects light-weight dairy calves. <i>PLoS ONE</i> , 2019, 14, e0210203.	2.5	16
13	Cattle intestinal microbiota shifts following <i>Escherichia coli</i> O157:H7 vaccination and colonization. <i>PLoS ONE</i> , 2019, 14, e0226099.	2.5	18
14	Chlortetracycline Enhances Tonsil Colonization and Fecal Shedding of Multidrug-Resistant <i>Salmonella enterica</i> Serovar Typhimurium DT104 without Major Alterations to the Porcine Tonsillar and Intestinal Microbiota. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	14
15	Porcine Response to a Multidrug-Resistant <i>Salmonella enterica</i> serovar I 4,[5],12:i:- Outbreak Isolate. <i>Foodborne Pathogens and Disease</i> , 2018, 15, 253-261.	1.8	18
16	Practical implications of erythromycin resistance gene diversity on surveillance and monitoring of resistance. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	12
17	Isolation, characterization and strain selection of a <i>Paenibacillus</i> species for use as a probiotic to aid in ruminal methane mitigation, nitrate/nitrite detoxification and food safety. <i>Bioresource Technology</i> , 2018, 263, 358-364.	9.6	13
18	Complete Genome Sequence of the Multidrug-Resistant Neonatal Meningitis <i>Escherichia coli</i> Serotype O75:H5:K1 Strain mcjchv-1 (NMEC-O75). <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	11

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19	Complete Genome Sequence of Avian Pathogenic Escherichia coli Strain APEC O2-211. Microbiology Resource Announcements, 2018, 7, .	0.6	5
20	Butyricoccus porcorum sp. nov., a butyrate-producing bacterium from swine intestinal tract. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1737-1742.	1.7	33
21	Effect of sole or combined administration of nitrate and 3-nitro-1-propionic acid on fermentation and Salmonella survivability in alfalfa-fed rumen cultures in vitro. Bioresource Technology, 2017, 229, 69-77.	9.6	4
22	Meta-analysis To Define a Core Microbiota in the Swine Gut. MSystems, 2017, 2, .	3.8	240
23	The In-Feed Antibiotic Carbadox Induces Phage Gene Transcription in the Swine Gut Microbiome. MBio, 2017, 8, .	4.1	37
24	Fermentation products as feed additives mitigate some ill-effects of heat stress in pigs. Journal of Animal Science, 2017, 95, 279.	0.5	12
25	Prophylactic Administration of Vector-Encoded Porcine Granulocyte-Colony Stimulating Factor Reduces Salmonella Shedding, Tonsil Colonization, and Microbiota Alterations of the Gastrointestinal Tract in Salmonella-Challenged Swine. Frontiers in Veterinary Science, 2016, 3, 66.	2.2	18
26	Function and Phylogeny of Bacterial Butyryl Coenzyme A:Acetate Transferases and Their Diversity in the Proximal Colon of Swine. Applied and Environmental Microbiology, 2016, 82, 6788-6798.	3.1	24
27	Pipeline for amplifying and analyzing amplicons of the V1-V3 region of the 16S rRNA gene. BMC Research Notes, 2016, 9, 380.	1.4	61
28	A Response Regulator from a Soil Metagenome Enhances Resistance to the $\beta$ -Lactam Antibiotic Carbenicillin in Escherichia coli. PLoS ONE, 2015, 10, e0120094.	2.5	9
29	Virus ecology and disturbances: impact of environmental disruption on the viruses of microorganisms. Frontiers in Microbiology, 2014, 5, 700.	3.5	6
30	Carbadox has both temporary and lasting effects on the swine gut microbiota. Frontiers in Microbiology, 2014, 5, 276.	3.5	84
31	Bacteria, phages and pigs: the effects of in-feed antibiotics on the microbiome at different gut locations. ISME Journal, 2014, 8, 1566-1576.	9.8	377
32	Antibiotic resistance gene discovery in food-producing animals. Current Opinion in Microbiology, 2014, 19, 25-29.	5.1	77
33	Finding alternatives to antibiotics. Annals of the New York Academy of Sciences, 2014, 1323, 91-100.	3.8	223
34	Altered Egos: Antibiotic Effects on Food Animal Microbiomes. Annual Review of Microbiology, 2014, 68, 297-315.	7.3	79
35	The agricultural antibiotic carbadox induces phage-mediated gene transfer in Salmonella. Frontiers in Microbiology, 2014, 5, 52.	3.5	53
36	Estimation of viral richness from shotgun metagenomes using a frequency count approach. Microbiome, 2013, 1, 5.	11.1	23

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37	Profiling the gastrointestinal microbiota in response to Salmonella: Low versus high Salmonella shedding in the natural porcine host. <i>Infection, Genetics and Evolution</i> , 2013, 16, 330-340.	2.3	71
38	Treatment, promotion, commotion: antibiotic alternatives in food-producing animals. <i>Trends in Microbiology</i> , 2013, 21, 114-119.	7.7	230
39	Butyrate-Producing Bacteria, Including Mucin Degraders, from the Swine Intestinal Tract. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3879-3881.	3.1	75
40	That's disturbing! An exploration of the bacteriophage biology of change. <i>Frontiers in Microbiology</i> , 2013, 4, 295.	3.5	4
41	Estimating population diversity with CatchAll. <i>Bioinformatics</i> , 2012, 28, 1045-1047.	4.1	65
42	In-feed antibiotic effects on the swine intestinal microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1691-1696.	7.1	942
43	Collateral effects of antibiotics on mammalian gut microbiomes. <i>Gut Microbes</i> , 2012, 3, 463-467.	9.8	160
44	Summer Workshop in Metagenomics: One Week Plus Eight Students Equals Gigabases of Cloned DNA. <i>Journal of Microbiology and Biology Education</i> , 2011, 12, 120-126.	1.0	5
45	Construction and validation of two metagenomic DNA libraries from Cerrado soil with high clay content. <i>Biotechnology Letters</i> , 2011, 33, 2169-2175.	2.2	16
46	Antibiotics in Feed Induce Prophages in Swine Fecal Microbiomes. <i>MBio</i> , 2011, 2, .	4.1	186
47	ESTIMATING POPULATION DIVERSITY WITH UNRELIABLE LOW FREQUENCY COUNTS. , 2011, , .		4
48	Call of the wild: antibiotic resistance genes in natural environments. <i>Nature Reviews Microbiology</i> , 2010, 8, 251-259.	28.6	1,733
49	Psychrotrophic Strain of <i>Janthinobacterium lividum</i> from a Cold Alaskan Soil Produces Prodigiosin. <i>DNA and Cell Biology</i> , 2010, 29, 533-541.	1.9	75
50	Functional metagenomics reveals diverse $\beta$ -lactamases in a remote Alaskan soil. <i>ISME Journal</i> , 2009, 3, 243-251.	9.8	462
51	Resident Microbiota of the Gypsy Moth Midgut Harbors Antibiotic Resistance Determinants. <i>DNA and Cell Biology</i> , 2009, 28, 109-117.	1.9	79
52	Telomerase Activity as a Potential Diagnostic Marker for Triage of Abnormal Pap Smears. <i>Journal of Lower Genital Tract Disease</i> , 2005, 9, 93-99.	1.9	12
53	Intracellular Screen To Identify Metagenomic Clones That Induce or Inhibit a Quorum-Sensing Biosensor. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6335-6344.	3.1	191
54	Papillomavirus infection and telomerase activation. <i>Papillomavirus Report</i> , 2003, 14, 155-162.	0.2	1

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55	Escherichia coli resistance and gut microbiota profile in pigs raised with different antimicrobial administration in feed. , 0, , .		0