

# Heather Allison

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,589  
citations

218381

26  
h-index

315357

38  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1786  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stx-phages: drivers and mediators of the evolution of STEC and STEC-like pathogens. <i>Future Microbiology</i> , 2007, 2, 165-174.	1.0	122
2	Comparative genomics of Shiga toxin encoding bacteriophages. <i>BMC Genomics</i> , 2012, 13, 311.	1.2	98
3	Lytic and Lysogenic Infection of Diverse <i>Escherichia coli</i> and <i>Shigella</i> Strains with a Verocytotoxigenic Bacteriophage. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4335-4337.	1.4	97
4	Immunity Profiles of Wild-Type and Recombinant Shiga-Like Toxin-Encoding Bacteriophages and Characterization of Novel Double Lysogens. <i>Infection and Immunity</i> , 2003, 71, 3409-3418.	1.0	80
5	Effects of a nanoparticulate silica substrate on cell attachment of <i>Candida albicans</i> . <i>Journal of Applied Microbiology</i> , 2007, 102, 757-765.	1.4	69
6	Short-Tailed Stx Phages Exploit the Conserved YaeT Protein To Disseminate Shiga Toxin Genes among Enterobacteria. <i>Journal of Bacteriology</i> , 2007, 189, 7223-7233.	1.0	68
7	Nano-structured rhodium doped SrTiO <sub>3</sub> Visible light activated photocatalyst for water decontamination. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 547-555.	10.8	65
8	Transcriptomic Analysis of Shiga-Toxigenic Bacteriophage Carriage Reveals a Profound Regulatory Effect on Acid Resistance in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 8118-8125.	1.4	60
9	Viromic Analysis of Wastewater Input to a River Catchment Reveals a Diverse Assemblage of RNA Viruses. <i>MSystems</i> , 2018, 3, .	1.7	59
10	Characterization of the relationship between integrase, excisionase and antirepressor activities associated with a superinfecting Shiga toxin encoding bacteriophage. <i>Nucleic Acids Research</i> , 2011, 39, 2116-2129.	6.5	51
11	Characterization of tPI gene expression in isogenic wild-type and <i>andgcr1</i> -deletion mutant strains of <i>Saccharomyces cerevisiae</i> . <i>Nucleic Acids Research</i> , 1990, 18, 7099-7107.	6.5	50
12	Investigating the Antibacterial Properties of Inverse Vulcanized Sulfur Polymers. <i>ACS Omega</i> , 2020, 5, 5229-5234.	1.6	48
13	Putative anti-muscarinic antibodies cannot be detected in patients with primary Sjogren's syndrome using conventional immunological approaches. <i>British Journal of Rheumatology</i> , 2004, 43, 1488-1495.	2.5	46
14	Cellulose Degradation by Micromonosporas Recovered from Freshwater Lakes and Classification of These Actinomycetes by DNA Gyrase B Gene Sequencing. <i>Applied and Environmental Microbiology</i> , 2008, 74, 7080-7084.	1.4	44
15	Identification of multiple integration sites for Stx-phage $\phi$ 24B in the <i>Escherichia coli</i> genome, description of a novel integrase and evidence for a functional anti-repressor. <i>Microbiology (United Kingdom)</i> 154:1141-1151	1.0	43
16	The microbial ecology of anaerobic cellulose degradation in municipal waste landfill sites: evidence of a role for fibrobacters. <i>Environmental Microbiology</i> , 2012, 14, 1077-1087.	1.8	39
17	Occurrence of <i>hlyA</i> and <i>sheA</i> Genes in Extraintestinal <i>Escherichia coli</i> Strains. <i>Journal of Clinical Microbiology</i> , 2005, 43, 2965-2968.	1.8	38
18	Characterising the Canine Oral Microbiome by Direct Sequencing of Reverse-Transcribed rRNA Molecules. <i>PLoS ONE</i> , 2016, 11, e0157046.	1.1	38

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19	Bacteriophage Lambda: a Paradigm Revisited. <i>Journal of Virology</i> , 2010, 84, 6876-6879.	1.5	37
20	Multilocus Characterization Scheme for Shiga Toxin-Encoding Bacteriophages. <i>Applied and Environmental Microbiology</i> , 2007, 73, 8032-8040.	1.4	35
21	Phage-mediated transfer of virulence genes. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 662-666.	1.6	33
22	Composition of the Landfill Microbial Community as Determined by Application of Domain- and Group-Specific 16S and 18S rRNA-Targeted Oligonucleotide Probes. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1301-1306.	1.4	32
23	Survival of a Shiga toxin-encoding bacteriophage in a compost model. <i>FEMS Microbiology Letters</i> , 2005, 245, 369-375.	0.7	31
24	Cumulative effect of prophage burden on Shiga toxin production in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2012, 158, 488-497.	0.7	30
25	Development and validation of a qPCR-based method for quantifying Shiga toxin-encoding and other lambdoid bacteriophages. <i>Environmental Microbiology</i> , 2010, 12, 1194-1204.	1.8	29
26	Detection of novel <i>Fibrobacter</i> populations in landfill sites and determination of their relative abundance via quantitative PCR. <i>Environmental Microbiology</i> , 2008, 10, 1310-1319.	1.8	28
27	Cloning and characterization of a <i>Prevotella melaninogenica</i> hemolysin. <i>Infection and Immunity</i> , 1997, 65, 2765-2771.	1.0	28
28	High-Throughput Method for Rapid Induction of Prophages from Lysogens and Its Application in the Study of Shiga Toxin-Encoding <i>Escherichia coli</i> Strains. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2360-2365.	1.4	27
29	Importance of <i>Micromonospora</i> spp. as Colonizers of Cellulose in Freshwater Lakes as Demonstrated by Quantitative Reverse Transcriptase PCR of 16S rRNA. <i>Applied and Environmental Microbiology</i> , 2012, 78, 3495-3499.	1.4	26
30	Development of a Poly- $\mu$ -Lysine Contact Lens as a Drug Delivery Device for the Treatment of Fungal Keratitis. , 2017, 58, 4499.		21
31	Molecular Biological Detection and Quantification of Novel <i>Fibrobacter</i> Populations in Freshwater Lakes. <i>Applied and Environmental Microbiology</i> , 2009, 75, 5148-5152.	1.4	19
32	Shigatoxin encoding Bacteriophage $\lambda$ 24B modulates bacterial metabolism to raise antimicrobial tolerance. <i>Scientific Reports</i> , 2017, 7, 40424.	1.6	19
33	Tracing the fate of wastewater viruses reveals catchment-scale virome diversity and connectivity. <i>Water Research</i> , 2021, 203, 117568.	5.3	17
34	Antimicrobial Activity of Poly-epsilon-lysine Peptide Hydrogels Against <i>Pseudomonas aeruginosa</i> . , 2020, 61, 18.		15
35	454-Pyrosequencing: A Molecular Battiscope for Freshwater Viral Ecology. <i>Genes</i> , 2010, 1, 210-226.	1.0	14
36	Identification of genes expressed in cultures of <i>E. coli</i> lysogens carrying the Shiga toxin-encoding prophage $\lambda$ 24B. <i>BMC Microbiology</i> , 2012, 12, 42.	1.3	13

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37	Development and application of a method for the purification of free shigatoxigenic bacteriophage from environmental samples. <i>Journal of Microbiological Methods</i> , 2012, 91, 240-245.	0.7	8
38	The Site-Specific Recombination System of the Escherichia coli Bacteriophage $\phi$ 24B. <i>Frontiers in Microbiology</i> , 2020, 11, 578056.	1.5	6
39	Short communication: Characterization of Shiga toxin 2-carrying bacteriophages induced from Shiga-toxigenic Escherichia coli isolated from Italian dairy products. <i>Journal of Dairy Science</i> , 2012, 95, 6949-6956.	1.4	2
40	Structural annotation of the conserved carbohydrate esterase vb_24B_21 from Shiga toxin-encoding bacteriophage $\phi$ 24B. <i>Journal of Structural Biology</i> , 2020, 212, 107596.	1.3	2
41	Amoebicidal Activity of Poly-Epsilon-Lysine Functionalized Hydrogels. , 2022, 63, 11.		2
42	Assessing the impact of chemically engineered surface modifications with respect to attachment, survival and the development of microbes at the cellular level. <i>Access Microbiology</i> , 2019, 1, .	0.2	0
43	Molecular characterization of the activity and requirements of a novel and promiscuous bacteriophage integrase. <i>Access Microbiology</i> , 2019, 1, .	0.2	0
44	Improving phage genome annotation to understand phage biology: the case of Pseudomonas aeruginosa LES prophages. <i>Access Microbiology</i> , 2022, 4, .	0.2	0