

Heather Allison

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

1,215
citations

25
h-index

34
g-index

47
ext. papers

1,448
ext. citations

5.5
avg, IF

4.2
L-index

#	Paper	IF	Citations
41	Stx-phages: drivers and mediators of the evolution of STEC and STEC-like pathogens. <i>Future Microbiology</i> , 2007 , 2, 165-74	2.9	102
40	Lytic and lysogenic infection of diverse Escherichia coli and Shigella strains with a verocytotoxigenic bacteriophage. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 4335-7	4.8	86
39	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, 3409-18	3.7	73
38	Comparative genomics of Shiga toxin encoding bacteriophages. <i>BMC Genomics</i> , 2012 , 13, 311	4.5	66
37	Effects of a nanoparticulate silica substrate on cell attachment of Candida albicans. <i>Journal of Applied Microbiology</i> , 2007 , 102, 757-65	4.7	56
36	Nano-structured rhodium doped SrTiO ₃ visible light activated photocatalyst for water decontamination. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 547-555	21.8	53
35	Short-tailed stx phages exploit the conserved YaeT protein to disseminate Shiga toxin genes among enterobacteria. <i>Journal of Bacteriology</i> , 2007 , 189, 7223-33	3.5	51
34	Characterization of TPI gene expression in isogenic wild-type and gcr1-deletion mutant strains of Saccharomyces cerevisiae. <i>Nucleic Acids Research</i> , 1990 , 18, 7099-107	20.1	46
33	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, 2116-29	20.1	37
32	Viromic Analysis of Wastewater Input to a River Catchment Reveals a Diverse Assemblage of RNA Viruses. <i>MSystems</i> , 2018 , 3,	7.6	36
31	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, 7080-4	4.8	35
30	Identification of multiple integration sites for Stx-phage Phi24B in the Escherichia coli genome, description of a novel integrase and evidence for a functional anti-repressor. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 4098-4110	2.9	35
29	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, 1488-95		35
28	The microbial ecology of anaerobic cellulose degradation in municipal waste landfill sites: evidence of a role for fibrobacters. <i>Environmental Microbiology</i> , 2012 , 14, 1077-87	5.2	34
27	Occurrence of hlyA and sheA genes in extraintestinal Escherichia coli strains. <i>Journal of Clinical Microbiology</i> , 2005 , 43, 2965-8	9.7	34
26	Transcriptomic analysis of Shiga-toxigenic bacteriophage carriage reveals a profound regulatory effect on acid resistance in Escherichia coli. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 8118-25	4.8	31
25	Development and validation of a qPCR-based method for quantifying Shiga toxin-encoding and other lambdoid bacteriophages. <i>Environmental Microbiology</i> , 2010 , 12, 1194-204	5.2	29

24	Bacteriophage lambda: a paradigm revisited. <i>Journal of Virology</i> , 2010 , 84, 6876-9	6.6	28
23	Cumulative effect of prophage burden on Shiga toxin production in Escherichia coli. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 488-497	2.9	27
22	Phage-mediated transfer of virulence genes. <i>Journal of Chemical Technology and Biotechnology</i> , 2001 , 76, 662-666	3.5	27
21	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, 1301-6	4.8	26
20	Detection of novel Fibrobacter populations in landfill sites and determination of their relative abundance via quantitative PCR. <i>Environmental Microbiology</i> , 2008 , 10, 1310-9	5.2	26
19	Multilocus characterization scheme for shiga toxin-encoding bacteriophages. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 8032-40	4.8	26
18	Survival of a Shiga toxin-encoding bacteriophage in a compost model. <i>FEMS Microbiology Letters</i> , 2005 , 245, 369-75	2.9	26
17	Characterising the Canine Oral Microbiome by Direct Sequencing of Reverse-Transcribed rRNA Molecules. <i>PLoS ONE</i> , 2016 , 11, e0157046	3.7	25
16	Cloning and characterization of a Prevotella melaninogenica hemolysin. <i>Infection and Immunity</i> , 1997 , 65, 2765-71	3.7	23
15	Investigating the Antibacterial Properties of Inverse Vulcanized Sulfur Polymers. <i>ACS Omega</i> , 2020 , 5, 5229-5234	3.9	21
14	High-throughput method for rapid induction of prophages from lysogens and its application in the study of Shiga Toxin-encoding Escherichia coli strains. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 2360-5	4.8	21
13	Molecular biological detection and quantification of novel Fibrobacter populations in freshwater lakes. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5148-52	4.8	18
12	Development of a Poly-Lysine Contact Lens as a Drug Delivery Device for the Treatment of Fungal Keratitis 2017 , 58, 4499-4505		16
11	Identification of genes expressed in cultures of E. coli lysogens carrying the Shiga toxin-encoding prophage λ 4B. <i>BMC Microbiology</i> , 2012 , 12, 42	4.5	13
10	Importance of Micromonospora 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, 3495-9	4.8	12
9	Shigatoxin encoding Bacteriophage λ 24 modulates bacterial metabolism to raise antimicrobial tolerance. <i>Scientific Reports</i> , 2017 , 7, 40424	4.9	11
8	454-pyrosequencing: a molecular battiscope for freshwater viral ecology. <i>Genes</i> , 2010 , 1, 210-26	4.2	11
7	Development and application of a method for the purification of free shigatoxigenic bacteriophage from environmental samples. <i>Journal of Microbiological Methods</i> , 2012 , 91, 240-5	2.8	6

6	Antimicrobial Activity of Poly-epsilon-lysine Peptide Hydrogels Against <i>Pseudomonas aeruginosa</i> 2020 , 61, 18		6
5	Tracing the fate of wastewater viruses reveals catchment-scale virome diversity and connectivity. <i>Water Research</i> , 2021 , 203, 117568	12.5	3
4	Short communication: Characterization of Shiga toxin 2-carrying bacteriophages induced from Shiga-toxigenic <i>Escherichia coli</i> isolated from Italian dairy products. <i>Journal of Dairy Science</i> , 2012 , 95, 6949-56	4	2
3	Structural annotation of the conserved carbohydrate esterase vb_24B_21 from Shiga toxin-encoding bacteriophage Φ 4. <i>Journal of Structural Biology</i> , 2020 , 212, 107596	3.4	2
2	The Site-Specific Recombination System of the Bacteriophage Φ 4. <i>Frontiers in Microbiology</i> , 2020 , 11, 578056	5.7	0
1	Amoebicidal Activity of Poly-Epsilon-Lysine Functionalized Hydrogels. 2022 , 63, 11		0