

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.

33 papers	1,342 citations	20 h-index	36 g-index
36 ext. papers	1,621 ext. citations	6.3 avg, IF	4.25 L-index

#	Paper	IF	Citations
33	Identification of bacteriophage-encoded anti-sRNAs in pathogenic Escherichia coli. <i>Molecular Cell</i> , 2014 , 55, 199-213	17.6	174
32	Small RNA interactome of pathogenic E. coli revealed through crosslinking of RNase E. <i>EMBO Journal</i> , 2017 , 36, 374-387	13	112
31	An investigation of the expression and adhesin function of H7 flagella in the interaction of Escherichia coli O157 : H7 with bovine intestinal epithelium. <i>Cellular Microbiology</i> , 2009 , 11, 121-37	3.9	109
30	Bacterial flagella: twist and stick, or dodge across the kingdoms. <i>PLoS Pathogens</i> , 2015 , 11, e1004483	7.6	106
29	Heterogeneous surface expression of EspA translocon filaments by Escherichia coli O157:H7 is controlled at the posttranscriptional level. <i>Infection and Immunity</i> , 2003 , 71, 5900-9	3.7	75
28	Applying phylogenomics to understand the emergence of Shiga-toxin-producing O157:H7 strains causing severe human disease in the UK. <i>Microbial Genomics</i> , 2015 , 1, e000029	4.4	73
27	Enterohaemorrhagic E. coli in veterinary medicine. <i>International Journal of Medical Microbiology</i> , 2005 , 295, 419-41	3.7	68
26	Controlling injection: regulation of type III secretion in enterohaemorrhagic Escherichia coli. <i>Trends in Microbiology</i> , 2009 , 17, 361-70	12.4	65
25	Hierarchical type III secretion of translocators and effectors from Escherichia coli O157:H7 requires the carboxy terminus of SepL that binds to Tir. <i>Molecular Microbiology</i> , 2008 , 69, 1499-512	4.1	58
24	Co-ordinate single-cell expression of LEE4- and LEE5-encoded proteins of Escherichia coli O157:H7. <i>Molecular Microbiology</i> , 2004 , 54, 337-52	4.1	49
23	Lysogeny with Shiga toxin 2-encoding bacteriophages represses type III secretion in enterohemorrhagic Escherichia coli. <i>PLoS Pathogens</i> , 2012 , 8, e1002672	7.6	46
22	Increased adherence and actin pedestal formation by dam-deficient enterohaemorrhagic Escherichia coli O157:H7. <i>Molecular Microbiology</i> , 2007 , 63, 1468-81	4.1	45
21	Support vector machine applied to predict the zoonotic potential of E. coli O157 cattle isolates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11312-11317	11.5	44
20	Regulation of P-fimbrial phase variation frequencies in Escherichia coli CFT073. <i>Infection and Immunity</i> , 2007 , 75, 3325-34	3.7	34
19	Flagella interact with ionic plant lipids to mediate adherence of pathogenic Escherichia coli to fresh produce plants. <i>Environmental Microbiology</i> , 2014 , 16, 2181-95	5.2	32
18	Patchy promiscuity: machine learning applied to predict the host specificity of and. <i>Microbial Genomics</i> , 2017 , 3, e000135	4.4	30
17	Identification of a novel prophage regulator in Escherichia coli controlling the expression of type III secretion. <i>Molecular Microbiology</i> , 2012 , 83, 208-23	4.1	28

16	Strain-dependent cellular immune responses in cattle following Escherichia coli O157:H7 colonization. <i>Infection and Immunity</i> , 2014 , 82, 5117-31	3.7	24
15	Evolution of a zoonotic pathogen: investigating prophage diversity in enterohaemorrhagic O157 by long-read sequencing. <i>Microbial Genomics</i> , 2016 , 2, e000096	4.4	21
14	Generation of gene deletions and gene replacements in Escherichia coli O157:H7 using a temperature sensitive allelic exchange system. <i>Biological Procedures Online</i> , 2006 , 8, 153-62	8.3	20
13	Short-term evolution of Shiga toxin-producing O157:H7 between two food-borne outbreaks. <i>Microbial Genomics</i> , 2016 , 2, e000084	4.4	20
12	Shiga toxin sub-type 2a increases the efficiency of Escherichia coli O157 transmission between animals and restricts epithelial regeneration in bovine enteroids. <i>PLoS Pathogens</i> , 2019 , 15, e1008003	7.6	19
11	Ribosome maturation by the endoribonuclease YbeY stabilizes a type 3 secretion system transcript required for virulence of enterohemorrhagic. <i>Journal of Biological Chemistry</i> , 2018 , 293, 9006-9016	5.4	19
10	Comparison of Shiga toxin-encoding bacteriophages in highly pathogenic strains of Shiga toxin-producing O157:H7 in the UK. <i>Microbial Genomics</i> , 2020 , 6,	4.4	16
9	An RNA-dependent mechanism for transient expression of bacterial translocation filaments. <i>Nucleic Acids Research</i> , 2018 , 46, 3366-3381	20.1	14
8	A guide to machine learning for bacterial host attribution using genome sequence data. <i>Microbial Genomics</i> , 2019 , 5,	4.4	13
7	Type III Secretion-Dependent Sensitivity of Escherichia coli O157 to Specific Ketolides. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 459-70	5.9	8
6	High-Resolution, High-Throughput Analysis of Hfq-Binding Sites Using UV Crosslinking and Analysis of cDNA (CRAC). <i>Methods in Molecular Biology</i> , 2018 , 1737, 251-272	1.4	7
5	Evolutionary Context of Non-Sorbitol-Fermenting Shiga Toxin-Producing Escherichia coli O55:H7. <i>Emerging Infectious Diseases</i> , 2017 , 23, 1966-1973	10.2	6
4	Bacterial flagella disrupt host cell membranes and interact with cytoskeletal components		2
3	Prophage-dependent recombination drives genome structural variation and phenotypic heterogeneity in Escherichia coli O157:H7		2
2	Mechanisms involved in the adaptation of Escherichia coli O157:H7 to the host intestinal microenvironment. <i>Clinical Science</i> , 2020 , 134, 3283-3301	6.5	0
1	Predicting Host Association for Shiga Toxin-Producing E. coli Serogroups by Machine Learning. <i>Methods in Molecular Biology</i> , 2021 , 2291, 99-117	1.4	0