David L Gally

List of Publications by Year
in descending order

32	1,749	279798 23	414414 32
papers	citations	h-index	g-index

36	36	36	1998
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of Bacteriophage-Encoded Anti-sRNAs in Pathogenic Escherichia coli. Molecular Cell, 2014, 55, 199-213.	9.7	211
2	Small <scp>RNA</scp> interactome of pathogenic E.Âcoli revealed through crosslinking of <scp>RN</scp>ase E. EMBO Journal, 2017, 36, 374-387.	7.8	153
3	Bacterial Flagella: Twist and Stick, or Dodge across the Kingdoms. PLoS Pathogens, 2015, 11, e1004483.	4.7	144
4	An investigation of the expression and adhesin function of H7 flagella in the interaction ofEscherichia coliO157â€ƒ:â€ƒH7 with bovine intestinal epithelium. Cellular Microbiology, 2009, 11, 121-137.	2.1	131
5	Applying phylogenomics to understand the emergence of Shiga-toxin-producing Escherichia coli O157:H7 strains causing severe human disease in the UK. Microbial Genomics, 2015, 1, e000029.	2.0	105
6	Heterogeneous Surface Expression of EspA Translocon Filaments by Escherichia coli O157:H7 Is Controlled at the Posttranscriptional Level. Infection and Immunity, 2003, 71, 5900-5909.	2.2	82
7	Enterohaemorrhagic E. coli in veterinary medicine. International Journal of Medical Microbiology, 2005, 295, 419-441.	3.6	75
8	Controlling injection: regulation of type III secretion in enterohaemorrhagic Escherichia coli. Trends in Microbiology, 2009, 17, 361-370.	7.7	69
9	Hierarchal type III secretion of translocators and effectors from Escherichia coli O157:H7 requires the carboxy terminus of SepL that binds to Tir. Molecular Microbiology, 2008, 69, 1499-1512.	2.5	61
10	Lysogeny with Shiga Toxin 2-Encoding Bacteriophages Represses Type III Secretion in Enterohemorrhagic Escherichia coli. PLoS Pathogens, 2012, 8, e1002672.	4.7	57
11	Support vector machine applied to predict the zoonotic potential ofE. coliO157 cattle isolates. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11312-11317.	7.1	55
12	Increased adherence and actin pedestal formation by dam-deficient enterohaemorrhagic Escherichia coli O157:H7. Molecular Microbiology, 2007, 63, 1468-1481.	2.5	53
13	Co-ordinate single-cell expression of LEE4- and LEE5-encoded proteins of Escherichia coli O157:H7. Molecular Microbiology, 2004, 54, 337-352.	2.5	50
14	Evolution of a zoonotic pathogen: investigating prophage diversity in enterohaemorrhagic Escherichia coli O157 by long-read sequencing. Microbial Genomics, 2016, 2, e000096.	2.0	46
15	Patchy promiscuity: machine learning applied to predict the host specificity of Salmonella enterica and Escherichia coli. Microbial Genomics, 2017, 3, e000135.	2.0	46
16	Short-term evolution of Shiga toxin-producing Escherichia coli O157:H7 between two food-borne outbreaks. Microbial Genomics, 2016, 2, e000084.	2.0	45
17	Flagella interact with ionic plant lipids to mediate adherence of pathogenic Escherichia coli to fresh produce plants. Environmental Microbiology, 2014, 16, 2181-2195.	3.8	43
18	Shiga toxin sub-type 2a increases the efficiency of Escherichia coli O157 transmission between animals and restricts epithelial regeneration in bovine enteroids. PLoS Pathogens, 2019, 15, e1008003.	4.7	42

#	Article	IF	Citations
19	Regulation of P-Fimbrial Phase Variation Frequencies in Escherichia coli CFT073. Infection and Immunity, 2007, 75, 3325-3334.	2.2	37
20	Identification of a novel prophage regulator in Escherichia coli controlling the expression of type III secretion. Molecular Microbiology, 2012, 83, 208-223.	2.5	33
21	Strain-Dependent Cellular Immune Responses in Cattle following Escherichia coli O157:H7 Colonization. Infection and Immunity, 2014, 82, 5117-5131.	2.2	28
22	Ribosome maturation by the endoribonuclease YbeY stabilizes a type 3 secretion system transcript required for virulence of enterohemorrhagic Escherichia coli. Journal of Biological Chemistry, 2018, 293, 9006-9016.	3.4	27
23	A guide to machine learning for bacterial host attribution using genome sequence data. Microbial Genomics, 2019, 5, .	2.0	26
24	Comparison of Shiga toxin-encoding bacteriophages in highly pathogenic strains of Shiga toxin-producing Escherichia coli O157:H7 in the UK. Microbial Genomics, 2020, 6, .	2.0	25
25	Evolutionary Context of Nonâ€“Sorbitol-Fermenting Shiga Toxinâ€“ProducingEscherichia coliO55:H7. Emerging Infectious Diseases, 2017, 23, 1966-1973.	4.3	24
26	Generation of gene deletions and gene replacements in Escherichia coli O157:H7 using a temperature sensitive allelic exchange system. Biological Procedures Online, 2006, 8, 153-162.	2.9	21
27	An RNA-dependent mechanism for transient expression of bacterial translocation filaments. Nucleic Acids Research, 2018, 46, 3366-3381.	14.5	19
28	Type III Secretion-Dependent Sensitivity of Escherichia coli O157 to Specific Ketolides. Antimicrobial Agents and Chemotherapy, 2016, 60, 459-470.	3.2	11
29	High-Resolution, High-Throughput Analysis of Hfq-Binding Sites Using UV Crosslinking and Analysis of cDNA (CRAC). Methods in Molecular Biology, 2018, 1737, 251-272.	0.9	10
30	Genome structural variation in Escherichia coli O157:H7. Microbial Genomics, 2021, 7, .	2.0	9
31	Mechanisms involved in the adaptation of Escherichia coli O157:H7 to the host intestinal microenvironment. Clinical Science, 2020, 134, 3283-3301.	4.3	2
32	Predicting Host Association for Shiga Toxin-Producing E. coli Serogroups by Machine Learning. Methods in Molecular Biology, 2021, 2291, 99-117.	0.9	1