David L Gally

List of Publications by Year in Descending Order

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	Predicting Host Association for Shiga Toxin-Producing E. coli Serogroups by Machine Learning. *Methods in Molecular Biology*, **2021**, 2291, 99-117	1.4	0
32	Mechanisms involved in the adaptation of Escherichia coli O157:H7 to the host intestinal microenvironment. *Clinical Science*, **2020**, 134, 3283-3301	6.5	0
31	Comparison of Shiga toxin-encoding bacteriophages in highly pathogenic strains of Shiga toxin-producing O157:H7 in the UK. *Microbial Genomics*, **2020**, 6,	4.4	16
30	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	7.6	19
29	A guide to machine learning for bacterial host attribution using genome sequence data. *Microbial Genomics*, **2019**, 5,	4.4	13
28	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	1.4	7
27	Ribosome maturation by the endoribonuclease YbeY stabilizes a type 3 secretion system transcript required for virulence of enterohemorrhagic. *Journal of Biological Chemistry*, **2018**, 293, 9006-9016	5.4	19
26	An RNA-dependent mechanism for transient expression of bacterial translocation filaments. *Nucleic Acids Research*, **2018**, 46, 3366-3381	20.1	14
25	Small RNA interactome of pathogenic E. coli revealed through crosslinking of RNase E. *EMBO Journal*, **2017**, 36, 374-387	13	112
24	Evolutionary Context of Non-Sorbitol-Fermenting Shiga Toxin-Producing Escherichia coli O55:H7. *Emerging Infectious Diseases*, **2017**, 23, 1966-1973	10.2	6
23	Patchy promiscuity: machine learning applied to predict the host specificity of and. *Microbial Genomics*, **2017**, 3, e000135	4.4	30
22	Support vector machine applied to predict the zoonotic potential of E. coli O157 cattle isolates. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 11312-11317	11.5	44
21	Type III Secretion-Dependent Sensitivity of Escherichia coli O157 to Specific Ketolides. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 459-70	5.9	8
20	Short-term evolution of Shiga toxin-producing O157:H7 between two food-borne outbreaks. *Microbial Genomics*, **2016**, 2, e000084	4.4	20
19	Evolution of a zoonotic pathogen: investigating prophage diversity in enterohaemorrhagic O157 by long-read sequencing. *Microbial Genomics*, **2016**, 2, e000096	4.4	21
18	Bacterial flagella: twist and stick, or dodge across the kingdoms. *PLoS Pathogens*, **2015**, 11, e1004483	7.6	106
17	Applying phylogenomics to understand the emergence of Shiga-toxin-producing O157:H7 strains causing severe human disease in the UK. *Microbial Genomics*, **2015**, 1, e000029	4.4	73

16	Identification of bacteriophage-encoded anti-sRNAs in pathogenic Escherichia coli. *Molecular Cell*, **2014**, 55, 199-213	17.6	174
15	Flagella interact with ionic plant lipids to mediate adherence of pathogenic Escherichia coli to fresh produce plants. *Environmental Microbiology*, **2014**, 16, 2181-95	5.2	32
14	Strain-dependent cellular immune responses in cattle following Escherichia coli O157:H7 colonization. *Infection and Immunity*, **2014**, 82, 5117-31	3.7	24
13	Identification of a novel prophage regulator in Escherichia coli controlling the expression of type III secretion. *Molecular Microbiology*, **2012**, 83, 208-23	4.1	28
12	Lysogeny with Shiga toxin 2-encoding bacteriophages represses type III secretion in enterohemorrhagic Escherichia coli. *PLoS Pathogens*, **2012**, 8, e1002672	7.6	46
11	An investigation of the expression and adhesin function of H7 flagella in the interaction of Escherichia coli O157 : H7 with bovine intestinal epithelium. *Cellular Microbiology*, **2009**, 11, 121-37	3.9	109
10	Controlling injection: regulation of type III secretion in enterohaemorrhagic Escherichia coli. *Trends in Microbiology*, **2009**, 17, 361-70	12.4	65
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, 1499-512	4.1	58
8	Increased adherence and actin pedestal formation by dam-deficient enterohaemorrhagic Escherichia coli O157:H7. *Molecular Microbiology*, **2007**, 63, 1468-81	4.1	45
7	Regulation of P-fimbrial phase variation frequencies in Escherichia coli CFT073. *Infection and Immunity*, **2007**, 75, 3325-34	3.7	34
6	Generation of gene deletions and gene replacements in Escherichia coli O157:H7 using a temperature sensitive allelic exchange system. *Biological Procedures Online*, **2006**, 8, 153-62	8.3	20
5	Enterohaemorrhagic E. coli in veterinary medicine. *International Journal of Medical Microbiology*, **2005**, 295, 419-41	3.7	68
4	Co-ordinate single-cell expression of LEE4- and LEE5-encoded proteins of Escherichia coli O157:H7. *Molecular Microbiology*, **2004**, 54, 337-52	4.1	49
3	Heterogeneous surface expression of EspA translocon filaments by Escherichia coli O157:H7 is controlled at the posttranscriptional level. *Infection and Immunity*, **2003**, 71, 5900-9	3.7	75
2	Bacterial flagella disrupt host cell membranes and interact with cytoskeletal components		2
1	Prophage-dependent recombination drives genome structural variation and phenotypic heterogeneity in Escherichia coli O157:H7		2