

Helen Billman-Jacobe

List of Publications by Year in descending order

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70
papers

3,017
citations

159585

30
h-index

175258

52
g-index

72
all docs

72
docs citations

72
times ranked

3267
citing authors

#	ARTICLE	IF	CITATIONS
1	Population Genetics Study of Isoniazid Resistance Mutations and Evolution of Multidrug-Resistant <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 2640-2649.	3.2	364
2	Quantitative Determination of the Biodegradable Polymer Poly(β -hydroxybutyrate) in a Recombinant <i>Escherichia coli</i> Strain by Use of Mid-Infrared Spectroscopy and Multivariate Statistics. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3415-3420.	3.1	128
3	ISMMapper: identifying transposase insertion sites in bacterial genomes from short read sequence data. <i>BMC Genomics</i> , 2015, 16, 667.	2.8	119
4	PimE Is a Polyprenol-phosphate-mannose-dependent Mannosyltransferase That Transfers the Fifth Mannose of Phosphatidylinositol Mannoside in <i>Mycobacteria</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 25143-25155.	3.4	118
5	The impact of the absence of glycopeptidolipids on the ultrastructure, cell surface and cell wall properties, and phagocytosis of <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2002, 148, 3089-3100.	1.8	116
6	Role of <i>embB</i> Codon 306 Mutations in <i>Mycobacterium tuberculosis</i> Revisited: a Novel Association with Broad Drug Resistance and IS <i>6110</i> Clustering Rather than Ethambutol Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3794-3802.	3.2	103
7	Identification of a peptide synthetase involved in the biosynthesis of glycopeptidolipids of <i>Mycobacterium smegmatis</i> . <i>Molecular Microbiology</i> , 2002, 33, 1244-1253.	2.5	101
8	Biosynthesis of mycobacterial phosphatidylinositol mannosides. <i>Biochemical Journal</i> , 2004, 378, 589-597.	3.7	93
9	Compartmentalization of Lipid Biosynthesis in <i>Mycobacteria</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 21645-21652.	3.4	92
10	Differential T Cell Responses To <i>Mycobacteria</i> -Secreted Proteins Distinguish Vaccination With Bacille Calmette-Guerin From Infection With <i>Mycobacterium Tuberculosis</i> . <i>Journal of Infectious Diseases</i> , 1994, 170, 1326-1330.	4.0	78
11	Barriers to and enablers of implementing antimicrobial stewardship programs in veterinary practices. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1092-1099.	1.6	77
12	A comparison of the interferon gamma assay with the absorbed ELISA for the diagnosis of Johne's disease in cattle. <i>Australian Veterinary Journal</i> , 1992, 69, 25-28.	1.1	72
13	Global phylogenomics of multidrug-resistant <i>Salmonella enterica</i> serotype Kentucky ST198. <i>Microbial Genomics</i> , 2019, 5, .	2.0	69
14	Evidence of microevolution of <i>Salmonella Typhimurium</i> during a series of egg-associated outbreaks linked to a single chicken farm. <i>BMC Genomics</i> , 2013, 14, 800.	2.8	67
15	T-cell determinants and antibody binding sites on the major mycobacterial secretory protein MPB59 of <i>Mycobacterium bovis</i> . <i>Infection and Immunity</i> , 1994, 62, 5319-5326.	2.2	66
16	Identification of a Novel Protein with a Role in Lipoarabinomannan Biosynthesis in <i>Mycobacteria</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 9011-9017.	3.4	63
17	Identification of a Methyltransferase from <i>Mycobacterium smegmatis</i> Involved in Glycopeptidolipid Synthesis. <i>Journal of Biological Chemistry</i> , 2000, 275, 24900-24906.	3.4	61
18	Inactivation of <i>mshB</i> , a key gene in the mycothiol biosynthesis pathway in <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2003, 149, 1341-1349.	1.8	61

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19	Mannose metabolism is required for mycobacterial growth. <i>Biochemical Journal</i> , 2003, 372, 77-86.	3.7	59
20	Function of Phosphatidylinositol in Mycobacteria. <i>Journal of Biological Chemistry</i> , 2005, 280, 10981-10987.	3.4	58
21	Epitope mapping of the Mycobacterium bovis secretory protein MPB70 using overlapping peptide analysis. <i>Journal of General Microbiology</i> , 1990, 136, 265-272.	2.3	54
22	Molecular Characterization of Isoniazid-Resistant Mycobacterium tuberculosis Isolates Collected in Australia. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 4068-4074.	3.2	52
23	Expression and secretion of heterologous proteases by Corynebacterium glutamicum. <i>Applied and Environmental Microbiology</i> , 1995, 61, 1610-1613.	3.1	52
24	Temporal Variation of the Merozoite Surface Protein-2 Gene of <i>Plasmodium falciparum</i> . <i>Infection and Immunity</i> , 1998, 66, 239-246.	2.2	45
25	pSTM6-275, a Conjugative IncHI2 Plasmid of Salmonella enterica That Confers Antibiotic and Heavy-Metal Resistance under Changing Physiological Conditions. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	44
26	Modification of glycopeptidolipids by an O-methyltransferase of Mycobacterium smegmatis aThe GenBank accession number for the sequence determined in this work is AY138899.. <i>Microbiology (United Kingdom)</i> , 2002, 148, 3079-3087.	1.8	44
27	Impact of insertion sequences on convergent evolution of Shigella species. <i>PLoS Genetics</i> , 2020, 16, e1008931.	3.5	43
28	Diagnosis and epidemiology of bovine tuberculosis using molecular biological approaches. <i>Veterinary Microbiology</i> , 1994, 40, 83-94.	1.9	40
29	Population wide assessment of antimicrobial use in dogs and cats using a novel data source – A cohort study using pet insurance data. <i>Veterinary Microbiology</i> , 2018, 225, 34-39.	1.9	40
30	Mutations in <i>pimE</i> Restore Lipoarabinomannan Synthesis and Growth in a <i>Mycobacterium smegmatis</i> <i>lpqW</i> Mutant. <i>Journal of Bacteriology</i> , 2008, 190, 3690-3699.	2.2	38
31	Antibody Responses to Infections with Strains of <i>Plasmodium falciparum</i> Expressing Diverse Forms of Merozoite Surface Protein 2. <i>Infection and Immunity</i> , 2001, 69, 959-967.	2.2	35
32	Methylation of GPLs in Mycobacterium smegmatis and Mycobacterium avium. <i>Journal of Bacteriology</i> , 2004, 186, 6792-6799.	2.2	33
33	Investigating the Function of the Putative Mycolic Acid Methyltransferase UmaA. <i>Journal of Biological Chemistry</i> , 2008, 283, 1419-1427.	3.4	33
34	Genome Sequence of an Australian Monophasic Salmonella enterica subsp. enterica Typhimurium Isolate (TW-Stm6) Carrying a Large Plasmid with Multiple Antimicrobial Resistance Genes. <i>Genome Announcements</i> , 2017, 5, .	0.8	31
35	Mapping of the T and B cell epitopes of the <i>Mycobacterium bovis</i> protein, MPB70. <i>Immunology and Cell Biology</i> , 1990, 68, 359-365.	2.3	30
36	Characterization of a <i>Mycobacterium smegmatis</i> Mutant Lacking Penicillin Binding Protein 1. <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 3011-3013.	3.2	29

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37	Expression of ovine gamma interferon in <i>Escherichia coli</i> and <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 1994, 60, 1641-1645.	3.1	27
38	Expression in bacteria other than <i>Escherichia coli</i> . <i>Current Opinion in Biotechnology</i> , 1996, 7, 500-504.	6.6	25
39	Antimicrobials used for surgical prophylaxis by companion animal veterinarians in Australia. <i>Veterinary Microbiology</i> , 2017, 203, 301-307.	1.9	25
40	Antimicrobials used for surgical prophylaxis by equine veterinary practitioners in Australia. <i>Equine Veterinary Journal</i> , 2018, 50, 65-72.	1.7	23
41	Antimicrobial labelling in Australia: a threat to antimicrobial stewardship?. <i>Australian Veterinary Journal</i> , 2018, 96, 151-154.	1.1	23
42	Stress-induced Synthesis of Phosphatidylinositol 3-Phosphate in <i>Mycobacteria</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 16643-16650.	3.4	22
43	Analysis of isoniazid-resistant transposon mutants of <i>Mycobacterium smegmatis</i> . <i>FEMS Microbiology Letters</i> , 1996, 144, 47-52.	1.8	18
44	Review: Water medication of growing pigs: sources of between-animal variability in systemic exposure to antimicrobials. <i>Animal</i> , 2019, 13, 3031-3040.	3.3	18
45	Longitudinal study of <i>Salmonella</i> 1,4,[5],12:i:- shedding in five Australian pig herds. <i>Preventive Veterinary Medicine</i> , 2017, 136, 19-28.	1.9	16
46	A <i>Plasmodium falciparum</i> apical membrane antigen-1 (AMA-1) gene apparently generated by intragenic recombination. <i>Molecular and Biochemical Parasitology</i> , 1999, 100, 243-246.	1.1	15
47	Exploration of antibiotic resistance risks in a veterinary teaching hospital with Oxford Nanopore long read sequencing. <i>PLoS ONE</i> , 2019, 14, e0217600.	2.5	15
48	Identification of a Novel Gene Product That Promotes Survival of <i>Mycobacterium smegmatis</i> in Macrophages. <i>PLoS ONE</i> , 2012, 7, e31788.	2.5	14
49	Cross-sectional study of antimicrobials used for surgical prophylaxis by bovine veterinary practitioners in Australia. <i>Veterinary Record</i> , 2017, 181, 426-426.	0.3	14
50	Use of cefovecin in dogs and cats attending first-opinion veterinary practices in Australia. <i>Veterinary Record</i> , 2020, 187, e95.	0.3	14
51	Antibiotic Resistance Genes in Antibiotic-Free Chicken Farms. <i>Antibiotics</i> , 2020, 9, 120.	3.7	14
52	A novel IS element, ISMpa1, in <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>Veterinary Microbiology</i> , 2004, 98, 297-306.	1.9	13
53	Colonization of a hand washing sink in a veterinary hospital by an <i>Enterobacter hormaechei</i> strain carrying multiple resistances to high importance antimicrobials. <i>Antimicrobial Resistance and Infection Control</i> , 2020, 9, 163.	4.1	13
54	In-Water Antibiotic Dosing Practices on Pig Farms. <i>Antibiotics</i> , 2021, 10, 169.	3.7	12

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55	Antimicrobial dosing for common equine drugs: a content review and practical advice for veterinarians in Australia. <i>Australian Veterinary Journal</i> , 2019, 97, 103-107.	1.1	10
56	Antimicrobial stewardship in companion animal practice: an implementation trial in 135 general practice veterinary clinics. <i>JAC-Antimicrobial Resistance</i> , 2022, 4, dlac015.	2.1	10
57	Antimicrobial susceptibility testing by Australian veterinary diagnostic laboratories. <i>Australian Veterinary Journal</i> , 2018, 96, 142-146.	1.1	8
58	Appraisal of the Australian Veterinary Prescribing Guidelines for antimicrobial prophylaxis for surgery in dogs and cats. <i>Australian Veterinary Journal</i> , 2019, 97, 316-322.	1.1	8
59	Antimicrobial stewardship in Australia: the role of qualitative research in programme development. <i>JAC-Antimicrobial Resistance</i> , 2021, 3, dlab166.	2.1	8
60	Z/II Hybrid Virulence Plasmids Carrying Antimicrobial Resistance genes in <i>S. Typhimurium</i> from Australian Food Animal Production. <i>Microorganisms</i> , 2019, 7, 299.	3.6	7
61	Faecal microbiota and antimicrobial resistance gene profiles of healthy foals. <i>Equine Veterinary Journal</i> , 2021, 53, 806-816.	1.7	6
62	Water Distribution Systems in Pig Farm Buildings: Critical Elements of Design and Management. <i>Animals</i> , 2021, 11, 3268.	2.3	6
63	Effect of Drinking Water Distribution System Design on Antimicrobial Delivery to Pigs. <i>Animals</i> , 2021, 11, 2362.	2.3	5
64	The mitochondrial genome of <i>Tetrahymena rostrata</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 53-54.	0.4	4
65	Infection of Slugs with Theronts of the Ciliate Protozoan, <i>Tetrahymena rostrata</i> . <i>Microorganisms</i> , 2021, 9, 1970.	3.6	4
66	Survey of veterinary prescribing for poultry disease. <i>Australian Veterinary Journal</i> , 2019, 97, 288-288.	1.1	3
67	Nucleotide sequence of <i>arcA</i> gene from <i>Corny bacterium glutamicum</i> . <i>DNA Sequence</i> , 1994, 4, 403-404.	0.7	2
68	Meeting the Capstone Challenge in Postgraduate Food Science Education. <i>Journal of Food Science Education</i> , 2017, 16, 77-80.	1.0	2
69	Intraspecies Variation in <i>Tetrahymena rostrata</i> . <i>Microorganisms</i> , 2021, 9, 2100.	3.6	2
70	A practical guide for managing a self-sustaining colony of <i>Deroceras reticulatum</i> (Müller) (Mollusca: Pulmonata). <i>Biocontrol Science and Technology</i> , 2020, 30, 920-928.	1.3	1