

Helen Billman-Jacobe

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66

papers

2,360

citations

29

h-index

47

g-index

72

ext. papers

2,728

ext. citations

3.7

avg, IF

4.44

L-index

#	Paper	IF	Citations
66	Population genetics study of isoniazid resistance mutations and evolution of multidrug-resistant <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2006 , 50, 2640-9	5.9	304
65	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	2.9	106
64	PimE is a polyprenol-phosphate-mannose-dependent mannosyltransferase that transfers the fifth mannose of phosphatidylinositol mannoside in mycobacteria. <i>Journal of Biological Chemistry</i> , 2006 , 281, 25143-55	5.4	102
63	Quantitative determination of the biodegradable polymer Poly(beta-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, 3415-20	4.8	101
62	Identification of a peptide synthetase involved in the biosynthesis of glycopeptidolipids of <i>Mycobacterium smegmatis</i> . <i>Molecular Microbiology</i> , 1999 , 33, 1244-53	4.1	96
61	Role of embB codon 306 mutations in <i>Mycobacterium tuberculosis</i> revisited: a novel association with broad drug resistance and IS6110 clustering rather than ethambutol resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 3794-802	5.9	90
60	ISMMapper: identifying transposase insertion sites in bacterial genomes from short read sequence data. <i>BMC Genomics</i> , 2015 , 16, 667	4.5	81
59	Biosynthesis of mycobacterial phosphatidylinositol mannosides. <i>Biochemical Journal</i> , 2004 , 378, 589-97	3.8	77
58	Compartmentalization of lipid biosynthesis in mycobacteria. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21645-52	5.4	66
57	Differential T cell responses to mycobacteria-secreted proteins distinguish vaccination with bacille Calmette-Guérin from infection with <i>Mycobacterium tuberculosis</i> . <i>Journal of Infectious Diseases</i> , 1994 , 170, 1326-30	7	65
56	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, 25-8	1.2	63
55	Inactivation of mshB, a key gene in the mycothiol biosynthesis pathway in <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2003 , 149, 1341-1349	2.9	58
54	Identification of a methyltransferase from <i>Mycobacterium smegmatis</i> involved in glycopeptidolipid synthesis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 24900-6	5.4	57
53	Identification of a novel protein with a role in lipoarabinomannan biosynthesis in mycobacteria. <i>Journal of Biological Chemistry</i> , 2006 , 281, 9011-7	5.4	56
52	Mannose metabolism is required for mycobacterial growth. <i>Biochemical Journal</i> , 2003 , 372, 77-86	3.8	56
51	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	4.5	52
50	Function of phosphatidylinositol in mycobacteria. <i>Journal of Biological Chemistry</i> , 2005 , 280, 10981-7	5.4	47

49	Epitope mapping of the Mycobacterium bovis secretory protein MPB70 using overlapping peptide analysis. <i>Journal of General Microbiology</i> , 1990 , 136, 265-72		47
48	Expression and secretion of heterologous proteases by <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 1995 , 61, 1610-3	4.8	46
47	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, 5319-26	3.7	46
46	Barriers to and enablers of implementing antimicrobial stewardship programs in veterinary practices. <i>Journal of Veterinary Internal Medicine</i> , 2018 , 32, 1092-1099	3.1	45
45	Modification of glycopeptidolipids by an O-methyltransferase of <i>Mycobacterium smegmatis</i> . <i>Microbiology (United Kingdom)</i> , 2002 , 148, 3079-3087	2.9	43
44	Molecular characterization of isoniazid-resistant <i>Mycobacterium tuberculosis</i> isolates collected in Australia. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 4068-74	5.9	42
43	Temporal variation of the merozoite surface protein-2 gene of <i>Plasmodium falciparum</i> . <i>Infection and Immunity</i> , 1998 , 66, 239-46	3.7	38
42	Diagnosis and epidemiology of bovine tuberculosis using molecular biological approaches. <i>Veterinary Microbiology</i> , 1994 , 40, 83-94	3.3	35
41	Global phylogenomics of multidrug-resistant <i>Salmonella enterica</i> serotype Kentucky ST198. <i>Microbial Genomics</i> , 2019 , 5,	4.4	33
40	Methylation of GPLs in <i>Mycobacterium smegmatis</i> and <i>Mycobacterium avium</i> . <i>Journal of Bacteriology</i> , 2004 , 186, 6792-9	3.5	32
39	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, 959-67	3.7	32
38	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, 3690-9	3.5	31
37	Characterization of a <i>Mycobacterium smegmatis</i> mutant lacking penicillin binding protein 1. <i>Antimicrobial Agents and Chemotherapy</i> , 1999 , 43, 3011-3	5.9	28
36	Investigating the function of the putative mycolic acid methyltransferase <i>UmaA</i> : divergence between the <i>Mycobacterium smegmatis</i> and <i>Mycobacterium tuberculosis</i> proteins. <i>Journal of Biological Chemistry</i> , 2008 , 283, 1419-1427	5.4	27
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 (Pt 6), 359-65	5	27
34	pSTM6-275, a Conjugative IncHI2 Plasmid of <i>Salmonella enterica</i> That Confers Antibiotic and Heavy-Metal Resistance under Changing Physiological Conditions. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	26
33	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	3.3	26
32	Expression of ovine gamma interferon in <i>Escherichia coli</i> and <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 1994 , 60, 1641-5	4.8	21

31	Antimicrobials used for surgical prophylaxis by companion animal veterinarians in Australia. <i>Veterinary Microbiology</i> , 2017 , 203, 301-307	3.3	20
30	Stress-induced synthesis of phosphatidylinositol 3-phosphate in mycobacteria. <i>Journal of Biological Chemistry</i> , 2010 , 285, 16643-50	5.4	19
29	Expression in bacteria other than Escherichia coli. <i>Current Opinion in Biotechnology</i> , 1996 , 7, 500-4	11.4	17
28	Genome Sequence of an Australian Monophasic subsp. Typhimurium Isolate (TW-Stm6) Carrying a Large Plasmid with Multiple Antimicrobial Resistance Genes. <i>Genome Announcements</i> , 2017 , 5,		16
27	Antimicrobial labelling in Australia: a threat to antimicrobial stewardship?. <i>Australian Veterinary Journal</i> , 2018 , 96, 151-154	1.2	15
26	Longitudinal study of Salmonella 1,4,[5],12:i:- shedding in five Australian pig herds. <i>Preventive Veterinary Medicine</i> , 2017 , 136, 19-28	3.1	14
25	Antimicrobials used for surgical prophylaxis by equine veterinary practitioners in Australia. <i>Equine Veterinary Journal</i> , 2018 , 50, 65-72	2.4	14
24	Analysis of isoniazid-resistant transposon mutants of Mycobacterium smegmatis. <i>FEMS Microbiology Letters</i> , 1996 , 144, 47-52	2.9	14
23	A novel IS element, ISMpa1, in Mycobacterium avium subsp. paratuberculosis. <i>Veterinary Microbiology</i> , 2004 , 98, 297-306	3.3	13
22	Identification of a novel gene product that promotes survival of Mycobacterium smegmatis in macrophages. <i>PLoS ONE</i> , 2012 , 7, e31788	3.7	12
21	Impact of insertion sequences on convergent evolution of Shigella species. <i>PLoS Genetics</i> , 2020 , 16, e1008931	0.8	11
20	A Plasmodium falciparum apical membrane antigen-1 (AMA-1) gene apparently generated by intragenic recombination. <i>Molecular and Biochemical Parasitology</i> , 1999 , 100, 243-6	1.9	11
19	Review: Water medication of growing pigs: sources of between-animal variability in systemic exposure to antimicrobials. <i>Animal</i> , 2019 , 13, 3031-3040	3.1	9
18	Exploration of antibiotic resistance risks in a veterinary teaching hospital with Oxford Nanopore long read sequencing. <i>PLoS ONE</i> , 2019 , 14, e0217600	3.7	8
17	Antibiotic Resistance Genes in Antibiotic-Free Chicken Farms. <i>Antibiotics</i> , 2020 , 9,	4.9	8
16	Antimicrobial susceptibility testing by Australian veterinary diagnostic laboratories. <i>Australian Veterinary Journal</i> , 2018 , 96, 142-146	1.2	8
15	Cross-sectional study of antimicrobials used for surgical prophylaxis by bovine veterinary practitioners in Australia. <i>Veterinary Record</i> , 2017 , 181, 426	0.9	8
14	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	1.2	7

13	Use of ceftiofur in dogs and cats attending first-opinion veterinary practices in Australia. <i>Veterinary Record</i> , 2020 , 187, e95	0.9	6
12	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	6.2	5
11	Z/11 Hybrid Virulence Plasmids Carrying Antimicrobial Resistance genes in Typhimurium from Australian Food Animal Production. <i>Microorganisms</i> , 2019 , 7,	4.9	4
10	Survey of veterinary prescribing for poultry disease. <i>Australian Veterinary Journal</i> , 2019 , 97, 288	1.2	3
9	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	1.2	3
8	In-Water Antibiotic Dosing Practices on Pig Farms. <i>Antibiotics</i> , 2021 , 10,	4.9	3
7	Meeting the Capstone Challenge in Postgraduate Food Science Education. <i>Journal of Food Science Education</i> , 2017 , 16, 77-80	0.8	2
6	Nucleotide sequence of a <i>recA</i> gene from <i>Corynebacterium glutamicum</i> . <i>DNA Sequence</i> , 1994 , 4, 403-4		2
5	Antimicrobial stewardship in Australia: the role of qualitative research in programme development. <i>JAC-Antimicrobial Resistance</i> , 2021 , 3, dlab166	2.9	2
4	Faecal microbiota and antimicrobial resistance gene profiles of healthy foals. <i>Equine Veterinary Journal</i> , 2021 , 53, 806-816	2.4	2
3	The mitochondrial genome of. <i>Mitochondrial DNA Part B: Resources</i> , 2019 , 5, 53-54	0.5	1
2	Antimicrobial stewardship in companion animal practice: an implementation trial in 135 general practice veterinary clinics.. <i>JAC-Antimicrobial Resistance</i> , 2022 , 4, dlac015	2.9	0
1	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	1.7	0