

# Mary D Barton

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5521914/mary-d-barton-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54  
papers

1,931  
citations

23  
h-index

43  
g-index

54  
ext. papers

2,177  
ext. citations

4.5  
avg, IF

5.09  
L-index

#	Paper	IF	Citations
54	Antibiotic use in animal feed and its impact on human health. <i>Nutrition Research Reviews</i> , <b>2000</b> , 13, 279-99		310
53	The epidemiology of antibiotic resistance in <i>Campylobacter</i> . <i>Microbes and Infection</i> , <b>2006</b> , 8, 1955-66	9.3	160
52	Control of fluoroquinolone resistance through successful regulation, Australia. <i>Emerging Infectious Diseases</i> , <b>2012</b> , 18, 1453-60	10.2	148
51	Impact of antibiotic use in the swine industry. <i>Current Opinion in Microbiology</i> , <b>2014</b> , 19, 9-15	7.9	122
50	Antibiotic and heavy metal resistance in motile aeromonads and pseudomonads from rainbow trout ( <i>Oncorhynchus mykiss</i> ) farms in Australia. <i>International Journal of Antimicrobial Agents</i> , <b>2007</b> , 30, 177-82	14.3	119
49	Substrate independent silver nanoparticle based antibacterial coatings. <i>Biomaterials</i> , <b>2014</b> , 35, 4601-9	15.6	112
48	Antibiotic resistance, phylogenetic grouping and virulence potential of <i>Escherichia coli</i> isolated from the faeces of intensively farmed and free range poultry. <i>Veterinary Microbiology</i> , <b>2012</b> , 154, 305-15	3.3	67
47	Antimicrobial and heavy metal resistance in commensal enterococci isolated from pigs. <i>Veterinary Microbiology</i> , <b>2011</b> , 148, 276-82	3.3	61
46	Resistance to critically important antimicrobials in Australian silver gulls ( <i>Chroicocephalus novaehollandiae</i> ) and evidence of anthropogenic origins. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2019</b> , 74, 2566-2574	5.1	51
45	Antimicrobial compounds from the Australian desert plant <i>Eremophila neglecta</i> . <i>Journal of Natural Products</i> , <b>2007</b> , 70, 1439-43	4.9	50
44	Antimicrobial compounds from <i>Eremophila serrulata</i> . <i>Phytochemistry</i> , <b>2007</b> , 68, 2684-90	4	47
43	Molecular typing of methicillin-resistant staphylococci isolated from cats and dogs. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2006</b> , 58, 428-31	5.1	47
42	Synthesis and antibacterial properties of a hybrid of silver-potato starch nanocapsules by miniemulsion/polyaddition polymerization. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 1838-1845	7.3	44
41	Development and Function of the Intestinal Microbiome and Potential Implications for Pig Production. <i>Animals</i> , <b>2019</b> , 9,	3.1	37
40	Mesoporous silica as a natural antimicrobial carrier. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2011</b> , 385, 256-261	5.1	37
39	Prevalence and significance of a negative extended-spectrum beta-lactamase (ESBL) confirmation test result after a positive ESBL screening test result for isolates of <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> : results from the SENTRY Asia-Pacific Surveillance Program. <i>Journal of Clinical Microbiology</i> , <b>2007</b> , 45, 1478-82	9.7	37
38	Influence of immobilized quaternary ammonium group surface density on antimicrobial efficacy and cytotoxicity. <i>Biofouling</i> , <b>2016</b> , 32, 13-24	3.3	36

37	Development and transmission of antimicrobial resistance among Gram-negative bacteria in animals and their public health impact. <i>Essays in Biochemistry</i> , <b>2017</b> , 61, 23-35	7.6	36
36	Antibacterial Plasma Polymer Films Conjugated with Phospholipid Encapsulated Silver Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , <b>2015</b> , 1, 1278-1286	5.5	32
35	Antimicrobial activity of some Australian plant species from the genus <i>Eremophila</i> . <i>Journal of Basic Microbiology</i> , <b>2007</b> , 47, 158-64	2.7	29
34	Novel Bacteriophages in <i>Enterococcus</i> spp. <i>Current Microbiology</i> , <b>2010</b> , 60, 400-6	2.4	26
33	Molecular Epidemiology of Methicillin-Resistant <i>Staphylococcus aureus</i> Isolated from Australian Veterinarians. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146034	3.7	26
32	B-Cell epitope mapping of the VapA protein of <i>Rhodococcus equi</i> : implications for early detection of <i>R. equi</i> disease in foals. <i>Journal of Clinical Microbiology</i> , <b>2001</b> , 39, 1633-7	9.7	24
31	Controlled release of allyl isothiocyanate for bacteria growth management. <i>Food Control</i> , <b>2012</b> , 23, 478-484	6.4	23
30	The isolation and characterization of <i>Campylobacter jejuni</i> bacteriophages from free range and indoor poultry. <i>Veterinary Microbiology</i> , <b>2013</b> , 162, 144-50	3.3	23
29	Partial nucleotide sequencing of the <i>mecA</i> genes of <i>Staphylococcus aureus</i> isolates from cats and dogs. <i>Journal of Clinical Microbiology</i> , <b>2006</b> , 44, 413-6	9.7	22
28	Synthesis and surface immobilization of antibacterial hybrid silver-poly(L-lactide) nanoparticles. <i>Nanotechnology</i> , <b>2014</b> , 25, 305102	3.4	20
27	Comparison of antimicrobial resistance patterns in enterococci from intensive and free range chickens in Australia. <i>Avian Pathology</i> , <b>2013</b> , 42, 45-54	2.4	20
26	Localisation of estrogen responsive genes in the liver and testis of Murray rainbowfish <i>Melanotaenia fluviatilis</i> exposed to 17beta-estradiol. <i>Molecular and Cellular Endocrinology</i> , <b>2009</b> , 303, 57-66	4.4	19
25	Identification of koala T lymphocytes using an anti-human CD3 antibody. <i>Developmental and Comparative Immunology</i> , <b>1995</b> , 19, 537-45	3.2	19
24	Presence and diversity of the beta-lactamase gene in cat and dog staphylococci. <i>Veterinary Microbiology</i> , <b>2007</b> , 123, 162-8	3.3	14
23	Chimeric vapA/groEL2 DNA vaccines enhance clearance of <i>Rhodococcus equi</i> in aerosol challenged C3H/He mice. <i>Vaccine</i> , <b>2008</b> , 26, 2457-65	4.1	13
22	Whole-genome sequencing and gene mapping of a newly isolated lytic enterococcal bacteriophage EFRM31. <i>Archives of Virology</i> , <b>2010</b> , 155, 1887-91	2.6	11
21	Immune response to vaccines based upon the VapA protein of the horse pathogen, <i>Rhodococcus equi</i> , in a murine model. <i>International Journal of Medical Microbiology</i> , <b>2005</b> , 294, 437-45	3.7	10
20	The immunogenicity of <i>Rhodococcus equi</i> GroEL2-based vaccines in a murine model. <i>Veterinary Immunology and Immunopathology</i> , <b>2004</b> , 98, 91-100	2	10

19	Nucleotide sequence, tissue expression patterns and phylogenetic analysis of estrogen receptor one mRNA in the Murray rainbowfish ( <i>Melanotaenia fluviatilis</i> ) (Atheriniformes, Actinopterygii). <i>General and Comparative Endocrinology</i> , <b>2010</b> , 166, 529-36	3	8
18	Linear B-cell epitope mapping using enzyme-linked immunosorbent assay for libraries of overlapping synthetic peptides. <i>Methods in Molecular Biology</i> , <b>2009</b> , 524, 137-44	1.4	8
17	Implications of Foraging and Interspecies Interactions of Birds for Carriage of <i>Escherichia coli</i> Strains Resistant to Critically Important Antimicrobials. <i>Applied and Environmental Microbiology</i> , <b>2020</b> , 86,	4.8	7
16	Characterisation of the Equine adenovirus 2 genome. <i>Veterinary Microbiology</i> , <b>2015</b> , 179, 184-9	3.3	6
15	Superbugs in the supermarket? Assessing the rate of contamination with third-generation cephalosporin-resistant gram-negative bacteria in fresh Australian pork and chicken. <i>Antimicrobial Resistance and Infection Control</i> , <b>2018</b> , 7, 30	6.2	6
14	Antibacterial Efficacy and Cytotoxicity of Silver Nanoparticle Based Coatings Facilitated by a Plasma Polymer Interlayer. <i>Plasma Medicine</i> , <b>2014</b> , 4, 101-115	1.1	6
13	Substrate Independent Approach for Immobilisation of Quaternary Ammonium Compounds to Surfaces to Reduce Bio-Burden. <i>Materials Science Forum</i> , <b>2014</b> , 783-786, 1389-1395	0.4	5
12	Faecal Microbiota Analysis of Piglets During Lactation. <i>Animals</i> , <b>2020</b> , 10,	3.1	4
11	Vets versus pets: methicillin-resistant <i>Staphylococcus aureus</i> in Australian animals and their doctors. <i>Microbiology Australia</i> , <b>2013</b> , 34, 25	0.8	3
10	Exposure to maternal feces in lactation influences piglet enteric microbiota, growth, and survival preweaning. <i>Journal of Animal Science</i> , <b>2021</b> , 99,	0.7	3
9	B-Cell Epitope Mapping Using a Library of Overlapping Synthetic Peptides in an Enzyme-Linked Immunosorbent Assay. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1785, 121-128	1.4	2
8	Can we feel it in our waters? Antimicrobials in aquaculture. <i>Medical Journal of Australia</i> , <b>2012</b> , 197, 487	4	2
7	Antibiotic Resistance in Animals – The Australian Perspective <b>2011</b> , 265-290		2
6	A Single Faecal Microbiota Transplantation Altered the Microbiota of Weaned Pigs. <i>Life</i> , <b>2020</b> , 10,	3	2
5	Measuring the Asian seabass ( <i>Lateolabrax japonicus</i> ) neutrophil respiratory burst activity by the dihydrorhodamine-123 reduction flow cytometry assay in whole blood. <i>Fish and Shellfish Immunology</i> , <b>2019</b> , 92, 871-880	4.3	1
4	Prevalence of Antimicrobial Resistance in Enterococci and <i>Escherichia coli</i> in Meat Chicken Flocks During a Production Cycle and Egg Layer Pullets During Rearing. <i>International Journal of Poultry Science</i> , <b>2014</b> , 13, 489-503	0.3	1
3	Seasonal microbial profiling of left kidney and stomach of farmed adult greenlip abalone ( <i>Haliotis laevigata</i> ). <i>Aquaculture Research</i> , <b>2021</b> , 52, 2085-2096	1.9	1
2	Characterisation of Early Microbial Colonisers within the Spiral Colon of Pre- and Post-Natal Piglets. <i>Life</i> , <b>2021</b> , 11,	3	1

1 An Adenoviral Vector Based Vaccine for *Rhodococcus equi*. *PLoS ONE*, **2016**, 11, e0152149 3.7 1