

Mary D Barton

List of Publications by Year in descending order

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53
papers

2,441
citations

218381

26
h-index

205818

48
g-index

54
all docs

54
docs citations

54
times ranked

3711
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic use in animal feed and its impact on human health. <i>Nutrition Research Reviews</i> , 2000, 13, 279-299.	2.1	407
2	The epidemiology of antibiotic resistance in <i>Campylobacter</i> . <i>Microbes and Infection</i> , 2006, 8, 1955-1966.	1.0	192
3	Control of Fluoroquinolone Resistance through Successful Regulation, Australia. <i>Emerging Infectious Diseases</i> , 2012, 18, 1453-1460.	2.0	185
4	Impact of antibiotic use in the swine industry. <i>Current Opinion in Microbiology</i> , 2014, 19, 9-15.	2.3	161
5	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> , 2007, 30, 177-182.	1.1	153
6	Substrate independent silver nanoparticle based antibacterial coatings. <i>Biomaterials</i> , 2014, 35, 4601-4609.	5.7	133
7	Resistance to critically important antimicrobials in Australian silver gulls (<i>Chroicocephalus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tff 50 2019, 74, 2566-2574.	1.3	82
8	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> , 2012, 154, 305-315.	0.8	79
9	Antimicrobial and heavy metal resistance in commensal enterococci isolated from pigs. <i>Veterinary Microbiology</i> , 2011, 148, 276-282.	0.8	75
10	Development and Function of the Intestinal Microbiome and Potential Implications for Pig Production. <i>Animals</i> , 2019, 9, 76.	1.0	72
11	Molecular typing of methicillin-resistant staphylococci isolated from cats and dogs. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 428-431.	1.3	59
12	Antimicrobial Compounds from the Australian Desert Plant <i>Eremophila neglecta</i> . <i>Journal of Natural Products</i> , 2007, 70, 1439-1443.	1.5	51
13	Antimicrobial compounds from <i>Eremophila serrulata</i> . <i>Phytochemistry</i> , 2007, 68, 2684-2690.	1.4	51
14	Development and transmission of antimicrobial resistance among Gram-negative bacteria in animals and their public health impact. <i>Essays in Biochemistry</i> , 2017, 61, 23-35.	2.1	50
15	Prevalence and Significance of a Negative Extended-Spectrum β -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> , 2007, 45, 1478-1482.	1.8	47
16	Synthesis and antibacterial properties of a hybrid of silver-potato starch nanocapsules by miniemulsion/polyaddition polymerization. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1838.	2.9	46
17	Influence of immobilized quaternary ammonium group surface density on antimicrobial efficacy and cytotoxicity. <i>Biofouling</i> , 2016, 32, 13-24.	0.8	45
18	Mesoporous silica as a natural antimicrobial carrier. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 385, 256-261.	2.3	42

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19	Antibacterial Plasma Polymer Films Conjugated with Phospholipid Encapsulated Silver Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1278-1286.	2.6	39
20	Antimicrobial activity of some Australian plant species from the genus <i>Eremophila</i> . <i>Journal of Basic Microbiology</i> , 2007, 47, 158-164.	1.8	31
21	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> , 2006, 44, 413-416.	1.8	29
22	Novel Bacteriophages in <i>Enterococcus</i> spp.. <i>Current Microbiology</i> , 2010, 60, 400-406.	1.0	29
23	The isolation and characterization of <i>Campylobacter jejuni</i> bacteriophages from free range and indoor poultry. <i>Veterinary Microbiology</i> , 2013, 162, 144-150.	0.8	29
24	Molecular Epidemiology of Methicillin-Resistant <i>Staphylococcus aureus</i> Isolated from Australian Veterinarians. <i>PLoS ONE</i> , 2016, 11, e0146034.	1.1	29
25	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> , 2001, 39, 1633-1637.	1.8	28
26	Controlled release of allyl isothiocyanate for bacteria growth management. <i>Food Control</i> , 2012, 23, 478-484.	2.8	27
27	Synthesis and surface immobilization of antibacterial hybrid silver-poly(L-lactide) nanoparticles. <i>Nanotechnology</i> , 2014, 25, 305102.	1.3	26
28	Comparison of antimicrobial resistance patterns in enterococci from intensive and free range chickens in Australia. <i>Avian Pathology</i> , 2013, 42, 45-54.	0.8	24
29	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> , 2020, 86, .	1.4	24
30	Identification of koala T lymphocytes using an anti-human CD3 antibody. <i>Developmental and Comparative Immunology</i> , 1995, 19, 537-545.	1.0	21
31	Localisation of estrogen responsive genes in the liver and testis of Murray rainbowfish <i>Melanotaenia fluviatilis</i> exposed to 17 β -estradiol. <i>Molecular and Cellular Endocrinology</i> , 2009, 303, 57-66.	1.6	20
32	Presence and diversity of the β -lactamase gene in cat and dog staphylococci. <i>Veterinary Microbiology</i> , 2007, 123, 162-168.	0.8	19
33	Chimeric <i>vapA/groEL2</i> DNA vaccines enhance clearance of <i>Rhodococcus equi</i> in aerosol challenged C3H/He mice. <i>Vaccine</i> , 2008, 26, 2457-2465.	1.7	14
34	Whole-genome sequencing and gene mapping of a newly isolated lytic enterococcal bacteriophage EFRM31. <i>Archives of Virology</i> , 2010, 155, 1887-1891.	0.9	14
35	The immunogenicity of <i>Rhodococcus equi</i> GroEL2-based vaccines in a murine model. <i>Veterinary Immunology and Immunopathology</i> , 2004, 98, 91-100.	0.5	11
36	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> , 2018, 7, 30.	1.5	11

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37	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> , 2005, 294, 437-445.	1.5	10
38	Linear B-Cell Epitope Mapping Using Enzyme-Linked Immunosorbent Assay for Libraries of Overlapping Synthetic Peptides. <i>Methods in Molecular Biology</i> , 2009, 524, 137-144.	0.4	10
39	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> , 2010, 166, 529-536.	0.8	8
40	Exposure to maternal feces in lactation influences piglet enteric microbiota, growth, and survival preweaning. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	8
41	Antibacterial Efficacy and Cytotoxicity of Silver Nanoparticle Based Coatings Facilitated by a Plasma Polymer Interlayer. <i>Plasma Medicine</i> , 2014, 4, 101-115.	0.2	6
42	Substrate Independent Approach for Immobilisation of Quaternary Ammonium Compounds to Surfaces to Reduce Bio-Burden. <i>Materials Science Forum</i> , 0, 783-786, 1389-1395.	0.3	6
43	Characterisation of the Equine adenovirus 2 genome. <i>Veterinary Microbiology</i> , 2015, 179, 184-189.	0.8	6
44	Faecal Microbiota Analysis of Piglets During Lactation. <i>Animals</i> , 2020, 10, 762.	1.0	6
45	A Single Faecal Microbiota Transplantation Altered the Microbiota of Weaned Pigs. <i>Life</i> , 2020, 10, 203.	1.1	5
46	Seasonal microbial profiling of left kidney and stomach of farmed adult greenlip abalone (<i>Haliotis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	4
47	Vets versus pets: methicillin-resistant <i>Staphylococcus aureus</i> in Australian animals and their doctors. <i>Microbiology Australia</i> , 2013, 34, 25.	0.1	3
48	B-Cell Epitope Mapping Using a Library of Overlapping Synthetic Peptides in an Enzyme-Linked Immunosorbent Assay. <i>Methods in Molecular Biology</i> , 2018, 1785, 121-128.	0.4	3
49	Can we feel it in our waters? Antimicrobials in aquaculture. <i>Medical Journal of Australia</i> , 2012, 197, 487-488.	0.8	2
50	An Adenoviral Vector Based Vaccine for <i>Rhodococcus equi</i> . <i>PLoS ONE</i> , 2016, 11, e0152149.	1.1	2
51	Characterisation of Early Microbial Colonisers within the Spiral Colon of Pre- and Post-Natal Piglets. <i>Life</i> , 2021, 11, 312.	1.1	2
52	Measuring the Asian seabass (<i>Lates calcarifer</i>) neutrophil respiratory burst activity by the dihydrorhodamine-123 reduction flow cytometry assay in whole blood. <i>Fish and Shellfish Immunology</i> , 2019, 92, 871-880.	1.6	1
53	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> , 2014, 13, 489-503.	0.6	1