

# Darren J Trott

## List of Publications by Year in Descending Order

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

108  
papers

2,007  
citations

26  
h-index

39  
g-index

112  
ext. papers

2,566  
ext. citations

4.2  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
108	Development and validation of a new analytical method for estimation of narasin using refractive index detector and its greenness evaluation. <i>Microchemical Journal</i> , <b>2022</b> , 175, 107149	4.8	1
107	Complete Genome Sequence of <i>Pasteurella multocida</i> Sequence Type 394, Isolated from a Case of Bovine Respiratory Disease in Australia.. <i>Microbiology Resource Announcements</i> , <b>2022</b> , e0089021	1.3	0
106	Antimicrobial susceptibility, plasmid replicon typing, phylogenetic grouping, and virulence potential of avian pathogenic and faecal isolated from meat chickens in Australia.. <i>Avian Pathology</i> , <b>2022</b> , 1-32	2.4	1
105	Comparison of Two Transmission Electron Microscopy Methods to Visualize Drug-Induced Alterations of Gram-Negative Bacterial Morphology. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	2
104	Robotic Antimicrobial Susceptibility Platform (RASP): a next-generation approach to One Health surveillance of antimicrobial resistance. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 1800-1807	5.1	4
103	In vitro synergistic activity of NCL195 in combination with colistin against Gram-negative bacterial pathogens. <i>International Journal of Antimicrobial Agents</i> , <b>2021</b> , 57, 106323	14.3	2
102	Comparative macrolide use in humans and animals: should macrolides be moved off the World Health Organisation's critically important antimicrobial list?. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2021</b> , 76, 1955-1961	5.1	0
101	Evaluation of Benzguinolins as Next-Generation Antibiotics for the Treatment of Multidrug-Resistant Bacterial Infections. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	1
100	First Emergence of Resistance to Macrolides and Tetracycline Identified in and Isolates from Beef Feedlots in Australia. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	2
99	A pH-neutral electrolyzed oxidizing water significantly reduces microbial contamination of fresh spinach leaves. <i>Food Microbiology</i> , <b>2021</b> , 93, 103614	6	2
98	Semisynthesis and biological evaluation of a focused library of unguinol derivatives as next-generation antibiotics. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 1022-1036	3.9	6
97	Transcriptomic and genomic variants between koala populations reveals underlying genetic components to disorders in a bottlenecked population. <i>Conservation Genetics</i> , <b>2021</b> , 22, 329-340	2.6	1
96	Absence of high priority critically important antimicrobial resistance in <i>Salmonella</i> sp. isolated from Australian commercial egg layer environments. <i>International Journal of Food Microbiology</i> , <b>2021</b> , 340, 109042	5.8	3
95	Porcine enterotoxigenic <i>Escherichia coli</i> : Antimicrobial resistance and development of microbial-based alternative control strategies. <i>Veterinary Microbiology</i> , <b>2021</b> , 258, 109117	3.3	9
94	Repurposing of the Fasciolicide Triclabendazole to Treat Infections Caused by spp. and Vancomycin-Resistant Enterococci. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	1
93	<i>Porphyromonas</i> spp., <i>Fusobacterium</i> spp., and <i>Bacteroides</i> spp. dominate microbiota in the course of macropod progressive periodontal disease. <i>Scientific Reports</i> , <b>2021</b> , 11, 17775	4.9	1
92	Pulmonary Actinomycosis in South Australian Koalas (). <i>Veterinary Pathology</i> , <b>2021</b> , 58, 416-422	2.8	

91	Spray and Aerosolised pH-Neutral Electrochemically Activated Solution Reduces Salmonella Enteritidis and Total Bacterial Load on Egg Surface. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 732	2.6	0
90	Genomic analysis of fluoroquinolone-susceptible phylogenetic group B2 extraintestinal pathogenic <i>Escherichia coli</i> causing infections in cats. <i>Veterinary Microbiology</i> , <b>2020</b> , 245, 108685	3.3	7
89	In vitro efficacy and pharmacodynamic profiles of four polyether ionophores against methicillin-resistant <i>Staphylococcus</i> spp. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , <b>2020</b> , 43, 499-507	1.4	1
88	Pathological Findings in Koala Retrovirus-positive Koalas ( <i>Phascolarctos cinereus</i> ) from Northern and Southern Australia. <i>Journal of Comparative Pathology</i> , <b>2020</b> , 176, 50-66	1	10
87	Koala retrovirus viral load and disease burden in distinct northern and southern koala populations. <i>Scientific Reports</i> , <b>2020</b> , 10, 263	4.9	16
86	Periodontal disease in free-ranging koalas ( <i>Phascolarctos cinereus</i> ) from the Mount Lofty Ranges, South Australia, and its association with koala retrovirus infection. <i>Australian Veterinary Journal</i> , <b>2020</b> , 98, 200-206	1.2	5
85	Effects of an Eco-Friendly Sanitizing Wash on Spinach Leaf Bacterial Community Structure and Diversity. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2986	2.6	2
84	High-resolution melting curve analysis: a novel method for identification of <i>Mycoplasma</i> species isolated from clinical cases of bovine and porcine respiratory disease. <i>Tropical Animal Health and Production</i> , <b>2020</b> , 52, 1043-1047	1.7	2
83	In vitro antimicrobial activity of narasin and monensin in combination with adjuvants against pathogens associated with canine otitis externa. <i>Veterinary Dermatology</i> , <b>2020</b> , 31, 138-145	1.8	4
82	Antimicrobial use and stewardship practices on Australian beef feedlots. <i>Australian Veterinary Journal</i> , <b>2020</b> , 98, 37-47	1.2	4
81	Companion Animals Are Spillover Hosts of the Multidrug-Resistant Human Extraintestinal Pandemic Clones ST131 and ST1193. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1968	5.7	19
80	Genomic analysis of phylogenetic group B2 extraintestinal pathogenic <i>E. coli</i> causing infections in dogs in Australia. <i>Veterinary Microbiology</i> , <b>2020</b> , 248, 108783	3.3	9
79	Activity of Robenidine Analog NCL195 in Combination With Outer Membrane Permeabilizers Against Gram-Negative Bacterial Pathogens and Impact on Systemic Gram-Positive Bacterial Infection in Mice. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1556	5.7	5
78	Pharmacokinetics of a Long-Acting Formulation of Oxytetracycline in Freshwater Crocodiles ( <i>Varanus</i> ) after Intramuscular Administration at Three Different Dosages. <i>Animals</i> , <b>2020</b> , 10,	3.1	3
77	Biofilm production by pathogens associated with canine otitis externa, and the antibiofilm activity of ionophores and antimicrobial adjuvants. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , <b>2019</b> , 42, 682-692	1.4	9
76	Diagnostic accuracy of phenotypic assays for determining antimicrobial resistance status in <i>Staphylococcus pseudintermedius</i> isolates from canine clinical cases. <i>Veterinary Microbiology</i> , <b>2019</b> , 234, 101-109	3.3	2
75	Antimicrobial Activity of Robenidine, Ethylenediaminetetraacetic Acid and Polymyxin B Nonapeptide Against Important Human and Veterinary Pathogens. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 837	5.7	11
74	<i>Chlamydia pecorum</i> prevalence in South Australian koala ( <i>Phascolarctos cinereus</i> ) populations: Identification and modelling of a population free from infection. <i>Scientific Reports</i> , <b>2019</b> , 9, 6261	4.9	13

73	Oxalate-degrading bacteria, including <i>Oxalobacter formigenes</i> , colonise the gastrointestinal tract of healthy koalas ( <i>Phascolarctos cinereus</i> ) and those with oxalate nephrosis. <i>Australian Veterinary Journal</i> , <b>2019</b> , 97, 166-170	1.2	3
72	Antimicrobial effects of cinnamon essential oil and cinnamaldehyde combined with EDTA against canine otitis externa pathogens. <i>Journal of Applied Microbiology</i> , <b>2019</b> , 127, 99-108	4.7	13
71	Genomic and Functional Analysis of Emerging Virulent and Multidrug-Resistant Lineage Sequence Type 648. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	41
70	Aminoguanidines: New leads for treatment of <i>Giardia duodenalis</i> infection. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , <b>2019</b> , 10, 38-44	4	5
69	An atypical cause of sporotrichosis in a cat. <i>Medical Mycology Case Reports</i> , <b>2019</b> , 23, 72-76	1.7	12
68	Discovery of 4,6-bis(2-(()-benzylidene)hydrazinyl)pyrimidin-2-Amine with Antibiotic Activity. <i>ChemistryOpen</i> , <b>2019</b> , 8, 896-907	2.3	4
67	Antimicrobial activity of thyme oil, oregano oil, thymol and carvacrol against sensitive and resistant microbial isolates from dogs with otitis externa. <i>Veterinary Dermatology</i> , <b>2019</b> , 30, 524-e159	1.8	22
66	Intra- and inter-laboratory agreement of the disc diffusion assay for assessing antimicrobial susceptibility of porcine <i>Escherichia coli</i> . <i>Preventive Veterinary Medicine</i> , <b>2019</b> , 172, 104782	3.1	1
65	<i>Escherichia coli</i> and <i>Salmonella</i> spp. isolated from Australian meat chickens remain susceptible to critically important antimicrobial agents. <i>PLoS ONE</i> , <b>2019</b> , 14, e0224281	3.7	19
64	Decontamination of aerosolised bacteria from a pig farm environment using a pH neutral electrochemically activated solution (Ecas4 anolyte). <i>PLoS ONE</i> , <b>2019</b> , 14, e0222765	3.7	4
63	Genetic diversity of Koala retrovirus gene subtypes: insights into northern and southern koala populations. <i>Journal of General Virology</i> , <b>2019</b> , 100, 1328-1339	4.9	16
62	Prevalence and clinical significance of koala retrovirus in two South Australian koala ( <i>Phascolarctos cinereus</i> ) populations. <i>Journal of Medical Microbiology</i> , <b>2019</b> , 68, 1072-1080	3.2	17
61	Antimicrobial resistance in <i>Brachyspira</i> - An increasing problem for disease control. <i>Veterinary Microbiology</i> , <b>2019</b> , 229, 59-71	3.3	18
60	Formulation Optimization of Chitosan-Stabilized Silver Nanoparticles Using In Vitro Antimicrobial Assay. <i>Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 108, 1007-1016	3.9	10
59	In vitro antimicrobial activity of seven adjuvants against common pathogens associated with canine otitis externa. <i>Veterinary Dermatology</i> , <b>2019</b> , 30, 133-e38	1.8	14
58	Is antimicrobial administration to food animals a direct threat to human health? A rapid systematic review. <i>International Journal of Antimicrobial Agents</i> , <b>2018</b> , 52, 316-323	14.3	61
57	Genomic characterization of coagulase-negative staphylococci including methicillin-resistant <i>Staphylococcus sciuri</i> causing bovine mastitis. <i>Veterinary Microbiology</i> , <b>2018</b> , 219, 17-22	3.3	14
56	In vitro antimicrobial activity of narasin against common clinical isolates associated with canine otitis externa. <i>Veterinary Dermatology</i> , <b>2018</b> , 29, 149-e57	1.8	10

55	Relative performance of antimicrobial susceptibility assays on clinical Escherichia coli isolates from animals. <i>Veterinary Microbiology</i> , <b>2018</b> , 214, 56-64	3.3	6
54	Qac genes and biocide tolerance in clinical veterinary methicillin-resistant and methicillin-susceptible Staphylococcus aureus and Staphylococcus pseudintermedius. <i>Veterinary Microbiology</i> , <b>2018</b> , 216, 153-158	3.3	13
53	Molecular Characterization of Methicillin-Resistant Staphylococcus aureus Isolated from Australian Animals and Veterinarians. <i>Microbial Drug Resistance</i> , <b>2018</b> , 24, 203-212	2.9	22
52	Antimicrobial Susceptibility of and spp. Isolates From Healthy Pigs in Australia: Results of a Pilot National Survey. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1207	5.7	32
51	Repurposing Ionophores as novel antimicrobial agents for the treatment of bovine mastitis caused by Gram-positive pathogens. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , <b>2018</b> , 41, 746-754	1.4	11
50	Methicillin-resistant staphylococci amongst veterinary personnel, personnel-owned pets, patients and the hospital environment of two small animal veterinary hospitals. <i>Veterinary Microbiology</i> , <b>2018</b> , 223, 79-85	3.3	25
49	Characterisation of Staphylococcus felis isolated from cats using whole genome sequencing. <i>Veterinary Microbiology</i> , <b>2018</b> , 222, 98-104	3.3	7
48	Antimicrobial Resistance in , , and Other Rarely Investigated Veterinary and Zoonotic Pathogens. <i>Microbiology Spectrum</i> , <b>2018</b> , 6,	8.9	12
47	Bioluminescent murine models of bacterial sepsis and scald wound infections for antimicrobial efficacy testing. <i>PLoS ONE</i> , <b>2018</b> , 13, e0200195	3.7	16
46	Clonal diversity and geographic distribution of methicillin-resistant Staphylococcus pseudintermedius from Australian animals: Discovery of novel sequence types. <i>Veterinary Microbiology</i> , <b>2018</b> , 213, 58-65	3.3	34
45	Characterization of Staphylococcal Cassette Chromosome Elements from Methicillin-Resistant Infections in Australian Animals. <i>MSphere</i> , <b>2018</b> , 3,	5	12
44	Gram-Positive and Gram-Negative Antibiotic Activity of Asymmetric and Monomeric Robenidine Analogues. <i>ChemMedChem</i> , <b>2018</b> , 13, 2573-2580	3.7	6
43	Antimicrobial Resistance in Leptospira, Brucella, and Other Rarely Investigated Veterinary and Zoonotic Pathogens <b>2018</b> , 471-483		1
42	In vitro antimicrobial activity of monensin against common clinical isolates associated with canine otitis externa. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , <b>2018</b> , 57, 34-38	2.6	6
41	Dissemination and persistence of extended-spectrum cephalosporin-resistance encoding Inc11-bla plasmid among Escherichia coli in pigs. <i>ISME Journal</i> , <b>2018</b> , 12, 2352-2362	11.9	33
40	Reverse zoonotic transmission of community-associated MRSA ST1-IV to a dairy cow. <i>International Journal of Antimicrobial Agents</i> , <b>2017</b> , 50, 125-126	14.3	10
39	Emergence of multidrug resistance in locally-acquired human infections with Salmonella Typhimurium in Australia owing to a new clade harbouring bla. <i>International Journal of Antimicrobial Agents</i> , <b>2017</b> , 50, 101-105	14.3	16
38	In vitro comparison of the dermal penetration of three different topical formulations containing lasalocid. <i>Veterinary Dermatology</i> , <b>2017</b> , 28, 342-e74	1.8	1

37	Development of Intramammary Drug Delivery Systems: Novel In Vitro Release Method. <i>Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 106, 866-871	3.9	2
36	Antimicrobial resistance in clinical <i>Escherichia coli</i> isolated from companion animals in Australia. <i>Veterinary Microbiology</i> , <b>2017</b> , 211, 43-50	3.3	36
35	Antimicrobial resistance in coagulase-positive staphylococci isolated from companion animals in Australia: A one year study. <i>PLoS ONE</i> , <b>2017</b> , 12, e0176379	3.7	51
34	Evaluation of robenidine analog NCL195 as a novel broad-spectrum antibacterial agent. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183457	3.7	26
33	Current and future antimicrobial resistance issues for the Australian pig industry. <i>Animal Production Science</i> , <b>2017</b> , 57, 2398	1.4	8
32	Lymphoma, Koala Retrovirus Infection and Reproductive Chlamydiosis in a Koala ( <i>Phascolarctos cinereus</i> ). <i>Journal of Comparative Pathology</i> , <b>2017</b> , 157, 188-192	1	14
31	Efficacy evaluation of a new water sanitizer for increasing the shelf life of Southern Australian King George Whiting and Tasmanian Atlantic Salmon fillets. <i>Food Microbiology</i> , <b>2017</b> , 68, 51-60	6	19
30	Isolation and plasmid characterization of carbapenemase (IMP-4) producing <i>Salmonella enterica</i> Typhimurium from cats. <i>Scientific Reports</i> , <b>2016</b> , 6, 35527	4.9	51
29	Isolation of mecC MRSA in Australia. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2016</b> , 71, 2348-9	5.1	20
28	Dynamics of extended-spectrum cephalosporin resistance in pathogenic <i>Escherichia coli</i> isolated from diseased pigs in Quebec, Canada. <i>International Journal of Antimicrobial Agents</i> , <b>2016</b> , 48, 194-202	14.3	22
27	Robenidine Analogues as Gram-Positive Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 2126-38	8.3	15
26	<i>Porphyromonas loveana</i> sp. nov., isolated from the oral cavity of Australian marsupials. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2016</b> , 66, 3771-3778	2.2	6
25	Phylogenetic diversity, antimicrobial susceptibility and virulence characteristics of phylogroup F <i>Escherichia coli</i> in Australia. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 1904-1912	2.9	42
24	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
23	Genetic Structure and Antimicrobial Resistance of <i>Escherichia coli</i> and Cryptic Clades in Birds with Diverse Human Associations. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 5123-33	4.8	33
22	Human-associated fluoroquinolone-resistant <i>Escherichia coli</i> clonal lineages, including ST354, isolated from canine feces and extraintestinal infections in Australia. <i>Microbes and Infection</i> , <b>2015</b> , 17, 266-74	9.3	43
21	First detection of extended-spectrum cephalosporin- and fluoroquinolone-resistant <i>Escherichia coli</i> in Australian food-producing animals. <i>Journal of Global Antimicrobial Resistance</i> , <b>2015</b> , 3, 273-277	3.4	71
20	Characterization of methicillin-resistant and methicillin-susceptible isolates of <i>Staphylococcus pseudintermedius</i> from cases of canine pyoderma in Australia. <i>Journal of Medical Microbiology</i> , <b>2014</b> , 63, 1228-1233	3.2	17



19	Carbapenemase-producing bacteria in companion animals: a public health concern on the horizon. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 1155-7	5.1	50
18	Salmonella enterica isolated from infections in Australian livestock remain susceptible to critical antimicrobials. <i>International Journal of Antimicrobial Agents</i> , <b>2014</b> , 43, 126-30	14.3	35
17	Phylogenetic and molecular insights into the evolution of multidrug-resistant porcine enterotoxigenic Escherichia coli in Australia. <i>International Journal of Antimicrobial Agents</i> , <b>2014</b> , 44, 105-113	14.3	38
16	In vitro efficacy of cefovecin against anaerobic bacteria isolated from subgingival plaque of dogs and cats with periodontal disease. <i>Anaerobe</i> , <b>2014</b> , 28, 104-8	2.8	13
15	Vets versus pets: methicillin-resistant Staphylococcus aureus in Australian animals and their doctors. <i>Microbiology Australia</i> , <b>2013</b> , 34, 25	0.8	3
14	Fluoroquinolone-resistant extraintestinal pathogenic Escherichia coli, including O25b-ST131, isolated from faeces of hospitalized dogs in an Australian veterinary referral centre. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2013</b> , 68, 1025-31	5.1	14
13	β-lactam resistance in gram-negative pathogens isolated from animals. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 239-49	3.3	17
12	Fluoroquinolone-resistant extraintestinal Escherichia coli clinical isolates representing the O15:K52:H1 clonal group from humans and dogs in Australia. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , <b>2012</b> , 35, 319-24	2.6	5
11	Prominence of an O75 clonal group (clonal complex 14) among non-ST131 fluoroquinolone-resistant Escherichia coli causing extraintestinal infections in humans and dogs in Australia. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2012</b> , 56, 3898-904	5.9	52
10	Carriage of methicillin-resistant Staphylococcus aureus by veterinarians in Australia. <i>Australian Veterinary Journal</i> , <b>2011</b> , 89, 152-9	1.2	56
9	Feline bacterial urinary tract infections: An update on an evolving clinical problem. <i>Veterinary Journal</i> , <b>2011</b> , 187, 18-22	2.5	32
8	Canine bacterial urinary tract infections: new developments in old pathogens. <i>Veterinary Journal</i> , <b>2011</b> , 190, 22-7	2.5	58
7	Commonality among fluoroquinolone-resistant sequence type ST131 extraintestinal Escherichia coli isolates from humans and companion animals in Australia. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2011</b> , 55, 3782-7	5.9	99
6	Clonal group distribution of fluoroquinolone-resistant Escherichia coli among humans and companion animals in Australia. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2010</b> , 65, 1936-8	5.1	48
5	Occult bacterial lower urinary tract infections in cats-urinalysis and culture findings. <i>Veterinary Microbiology</i> , <b>2009</b> , 136, 130-4	3.3	43
4	Multidrug-resistant E. coli and enterobacter extraintestinal infection in 37 dogs. <i>Journal of Veterinary Internal Medicine</i> , <b>2008</b> , 22, 844-50	3.1	44
3	Prevalence of bacterial species in cats with clinical signs of lower urinary tract disease: recognition of Staphylococcus felis as a possible feline urinary tract pathogen. <i>Veterinary Microbiology</i> , <b>2007</b> , 121, 182-8	3.3	59
2	Emergence and spread of two distinct clonal groups of multidrug-resistant Escherichia coli in a veterinary teaching hospital in Australia. <i>Journal of Medical Microbiology</i> , <b>2006</b> , 55, 1125-1134	3.2	39

- 1 Changes in equine hindgut bacterial populations during oligofructose-induced laminitis.  
*Environmental Microbiology*, **2006**, 8, 885-98

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