

# Stephen Chambers

## List of Publications by Year in descending order

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118  
papers

4,451  
citations

101496

36  
h-index

114418

63  
g-index

120  
all docs

120  
docs citations

120  
times ranked

5061  
citing authors

#	ARTICLE	IF	CITATIONS
1	Community acquired pneumonia: aetiology and usefulness of severity criteria on admission.. Thorax, 1996, 51, 1010-1016.	2.7	334
2	Incidence and characteristics of viral community-acquired pneumonia in adults. Thorax, 2008, 63, 42-48.	2.7	325
3	Glycine betaine and glycine betaine analogues in common foods. Food Chemistry, 2003, 83, 197-204.	4.2	194
4	Randomised controlled trial of intravenous antibiotic treatment for cellulitis at home compared with hospital. BMJ: British Medical Journal, 2005, 330, 129.	2.4	131
5	ACE and ACE2 in Inflammation: A Tale of Two Enzymes. Inflammation and Allergy: Drug Targets, 2014, 13, 224-234.	1.8	126
6	Dimethylthetin can substitute for glycine betaine as an osmoprotectant molecule for Escherichia coli. Journal of Bacteriology, 1987, 169, 4845-4847.	1.0	119
7	Formation of Encrustations on Indwelling Urinary Catheters in the Elderly: A Comparison of Different types of Catheter Materials in "Blockers" and "Nonblockers". Journal of Urology, 1987, 138, 899-902.	0.2	107
8	Adaptive resistance following single doses of gentamicin in a dynamic in vitro model. Antimicrobial Agents and Chemotherapy, 1992, 36, 1951-1957.	1.4	107
9	Use of the Polymerase Chain Reaction to Detect Legionella DNA in Urine and Serum Samples from Patients with Pneumonia. Clinical Infectious Diseases, 1996, 23, 475-480.	2.9	105
10	A prospective double-blind randomized trial comparing intraluminal ethanol with heparinized saline for the prevention of catheter-associated bloodstream infection in immunosuppressed haematology patients. Journal of Antimicrobial Chemotherapy, 2008, 62, 809-815.	1.3	105
11	Validated Risk Score for Predicting 6-Month Mortality in Infective Endocarditis. Journal of the American Heart Association, 2016, 5, e003016.	1.6	98
12	Glycine betaine and proline betaine in human blood and urine. Biochimica Et Biophysica Acta - General Subjects, 1994, 1200, 259-264.	1.1	96
13	Indwelling urinary catheters in the elderly. Relation of "catheter life" to formation of encrustations in patients with and without blocked catheters. American Journal of Medicine, 1987, 82, 405-411.	0.6	91
14	Consensus guidelines for the treatment of invasive mould infections in haematological malignancy and haemopoietic stem cell transplantation, 2014. Internal Medicine Journal, 2014, 44, 1333-1349.	0.5	87
15	Ethanol disinfection of plastic-adherent micro-organisms. Journal of Hospital Infection, 2006, 63, 193-196.	1.4	85
16	Analysis of biogenic volatile organic compounds in human health and disease. TrAC - Trends in Analytical Chemistry, 2011, 30, 960-967.	5.8	84
17	Impact of Early Valve Surgery on Outcome of Staphylococcus aureus Prosthetic Valve Infective Endocarditis: Analysis in the International Collaboration of Endocarditis "Prospective Cohort Study. Clinical Infectious Diseases, 2015, 60, 741-749.	2.9	84
18	Adaptive resistance to tobramycin in Pseudomonas aeruginosa lung infection in cystic fibrosis. Journal of Antimicrobial Chemotherapy, 1996, 37, 1155-1164.	1.3	83

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19	Isolation of glycine betaine and proline betaine from human urine. Assessment of their role as osmoprotective agents for bacteria and the kidney.. Journal of Clinical Investigation, 1987, 79, 731-737.	3.9	81
20	Dimethylglycine accumulates in uremia and predicts elevated plasma homocysteine concentrations. Kidney International, 2001, 59, 2267-2272.	2.6	77
21	Response to antibiotics of women with symptoms of urinary tract infection but negative dipstick urine test results: double blind randomised controlled trial. BMJ: British Medical Journal, 2005, 331, 143.	2.4	75
22	Comparison of gentamicin dosing regimens using an in-vitro model. Journal of Antimicrobial Chemotherapy, 1992, 29, 427-433.	1.3	72
23	Elevated glycine betaine excretion in diabetes mellitus patients is associated with proximal tubular dysfunction and hyperglycemia. Diabetes Research and Clinical Practice, 1999, 43, 91-99.	1.1	69
24	Abnormal glycine betaine content of the blood and urine of diabetic and renal patients. Clinica Chimica Acta, 1994, 230, 69-79.	0.5	68
25	Morbidity and Mortality Associated with Indwelling Urinary Catheters in Elderly Patients in a Nursing Homeâ€”Confounding Due to the Presence of Associated Diseases. Journal of the American Geriatrics Society, 1987, 35, 1001-1006.	1.3	59
26	Bacterial Killing by Neutrophils in Hypertonic Environments. Journal of Infectious Diseases, 1994, 169, 839-846.	1.9	58
27	Efficacies of different vancomycin dosing regimens against Staphylococcus aureus determined with a dynamic in vitro model. Antimicrobial Agents and Chemotherapy, 1994, 38, 2480-2482.	1.4	57
28	Same-day batch measurement of glycine betaine, carnitine, and other betaines in biological material. Analytical Biochemistry, 1992, 205, 14-21.	1.1	56
29	Contamination of Qiagen DNA Extraction Kits with Legionella DNA. Journal of Clinical Microbiology, 2003, 41, 3452-3453.	1.8	55
30	Reduction of exit-site infections of tunnelled intravascular catheters among neutropenic patients by sustained-release chlorhexidine dressings: results from a prospective randomized controlled trial. Journal of Hospital Infection, 2005, 61, 53-61.	1.4	54
31	Organic osmolytes in human and other mammalian kidneys. Kidney International, 1993, 43, 448-453.	2.6	53
32	Relationship between osmoprotection and the structure and intracellular accumulation of betaines by Escherichia coli. FEMS Microbiology Letters, 1994, 120, 125-131.	0.7	45
33	Dietary and supplementary betaine: Effects on betaine and homocysteine concentrations in males. Nutrition, Metabolism and Cardiovascular Diseases, 2009, 19, 767-773.	1.1	43
34	Diagnosis and management of staphylococcal infections of pacemakers and cardiac defibrillators. Internal Medicine Journal, 2005, 35, S63-S71.	0.5	38
35	Population-based epidemiology of Staphylococcus aureus bloodstream infection in Canterbury, New Zealand. Internal Medicine Journal, 2010, 40, 117-125.	0.5	38
36	Betaines and Urinary Tract Infections. Nephron, 1996, 74, 1-10.	0.6	37

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37	Diagnosis and management of staphylococcal infections of vascular grafts and stents. <i>Internal Medicine Journal</i> , 2005, 35, S72-S78.	0.5	37
38	Concomitant <i>Staphylococcus aureus</i> bacteriuria is associated with poor clinical outcome in adults with <i>S. aureus</i> bacteraemia. <i>Journal of Hospital Infection</i> , 2008, 69, 345-349.	1.4	35
39	Competitive accumulation of betaines by <i>Escherichia coli</i> K-12 and derivative strains lacking betaine porters. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1245, 116-120.	1.1	31
40	Cystathionine-Gamma-Lyase Gene Deletion Protects Mice against Inflammation and Liver Sieve Injury following Polymicrobial Sepsis. <i>PLoS ONE</i> , 2016, 11, e0160521.	1.1	31
41	Outcomes of Infected Abdominal Aortic Grafts Managed with Antimicrobial Therapy and Graft Retention in an Unselected Cohort. <i>European Journal of Vascular and Endovascular Surgery</i> , 2013, 45, 373-380.	0.8	30
42	Natural and synthetic betaines counter the effects of high NaCl and urea concentrations. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1996, 1291, 189-194.	1.1	29
43	Osmoprotective properties and accumulation of betaine analogues by <i>Staphylococcus aureus</i> . <i>FEMS Microbiology Letters</i> , 1998, 160, 25-30.	0.7	29
44	Invasive aspergillosis in severely neutropenic patients over 18 years: impact of intranasal amphotericin B and HEPA filtration. <i>Journal of Hospital Infection</i> , 1998, 38, 11-18.	1.4	29
45	Osmoprotective activity, urea protection, and accumulation of hydrophilic betaines in <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>Antonie Van Leeuwenhoek</i> , 1999, 75, 183-189.	0.7	28
46	Osmoprotective activity for <i>Escherichia coli</i> in mammalian renal inner medulla and urine. Correlation of glycine and proline betaines and sorbitol with response to osmotic loads.. <i>Journal of Clinical Investigation</i> , 1987, 80, 1255-1260.	3.9	28
47	Cystathionine- $\beta$ -lyase gene silencing with siRNA in monocytes/macrophages attenuates inflammation in cecal ligation and puncture-induced sepsis in the mouse. <i>Journal of Biosciences</i> , 2016, 41, 87-95.	0.5	27
48	Lower limb cellulitis: features associated with length of hospital stay. <i>Journal of Infection</i> , 2006, 52, 23-29.	1.7	26
49	The effect of aminoglycoside-induced adaptive resistance on the antibacterial activity of other antibiotics against <i>Pseudomonas aeruginosa</i> in vitro. <i>Journal of Antimicrobial Chemotherapy</i> , 1996, 38, 853-858.	1.3	25
50	Quantification of hydrogen cyanide (HCN) in breath using selected ion flow tube mass spectrometry—HCN is not a biomarker of <i>Pseudomonas</i> in chronic suppurative lung disease. <i>Journal of Breath Research</i> , 2013, 7, 017105.	1.5	25
51	Female Genital Schistosomiasis. <i>Journal of Travel Medicine</i> , 2006, 7, 30-32.	1.4	24
52	Improved efficacy with nonsimultaneous administration of first doses of gentamicin and ceftazidime in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 1995, 39, 132-136.	1.4	23
53	Detection of <i>Legionella</i> DNA in Peripheral Leukocytes, Serum, and Urine from a Patient with Pneumonia Caused by <i>Legionella dumoffii</i> . <i>Clinical Infectious Diseases</i> , 2000, 30, 382-383.	2.9	23
54	Inhibitors of bacterial growth in urine: what is the role of betaines?. <i>International Journal of Antimicrobial Agents</i> , 1999, 11, 293-296.	1.1	22

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55	Accumulation of natural and synthetic betaines by a mammalian renal cell line. <i>Biochemistry and Cell Biology</i> , 1996, 74, 283-287.	0.9	21
56	Enhanced detection of Legionnaires' disease by PCR testing of induced sputum and throat swabs. <i>European Respiratory Journal</i> , 2014, 43, 644-646.	3.1	21
57	<i>Chlamydia trachomatis</i> Testing Sensitivity in Midstream Compared With First-Void Urine Specimens. <i>Annals of Family Medicine</i> , 2012, 10, 50-53.	0.9	20
58	Inhibition of Hydrogen Sulfide Production by Gene Silencing Attenuates Inflammatory Activity by Downregulation of NF- $\kappa$ B and MAP Kinase Activity in LPS-Activated RAW 264.7 Cells. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	20
59	Potential sources of 2-aminoacetophenone to confound the <i>Pseudomonas aeruginosa</i> breath test, including analysis of a food challenge study. <i>Journal of Breath Research</i> , 2011, 5, 046002.	1.5	19
60	Validating a breath collection and analysis system for the new tuberculosis breath test. <i>Journal of Breath Research</i> , 2013, 7, 037108.	1.5	19
61	Ciguatera fish poisoning. <i>Postgraduate Medical Journal</i> , 1999, 75, 678-679.	0.9	18
62	Primary biliary cirrhosis presenting with granulomatous skin lesions.. <i>Gut</i> , 1994, 35, 564-566.	6.1	17
63	Determining the limits and confounders for the 2-pentyl furan breath test by gas chromatography/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 2815-2820.	1.2	17
64	Diagnosis of aspergillus peritonitis in a renal dialysis patient by PCR and galactomannan detection. <i>Journal of Clinical Pathology</i> , 2004, 57, 662-664.	1.0	16
65	Epsilonproteobacteria in Humans, New Zealand. <i>Emerging Infectious Diseases</i> , 2012, 18, 510-512.	2.0	16
66	Circulating levels of hydrogen sulfide and substance P in patients with sepsis. <i>Journal of Infection</i> , 2017, 75, 293-300.	1.7	16
67	Is the ability of urinary tract pathogens to accumulate glycine betaine a factor in the virulence of pathogenic strains?. <i>Translational Research</i> , 1996, 128, 417-422.	2.4	15
68	Effectiveness of steam sterilization of reusable medical devices in primary and secondary care public hospitals in Nepal and factors associated with ineffective sterilization: A nation-wide cross-sectional study. <i>PLoS ONE</i> , 2019, 14, e0225595.	1.1	15
69	How vancomycin is used in Australasia – A survey. <i>Australian and New Zealand Journal of Medicine</i> , 1993, 23, 662-666.	0.5	13
70	The association between colicinogenicity and pathogenesis among uropathogenic isolates of <i>Escherichia coli</i> . <i>Microbial Pathogenesis</i> , 1996, 20, 185-190.	1.3	13
71	Detection of <i>Legionella</i> DNA in Guinea Pig Peripheral Leukocytes, Urine and Plasma by the Polymerase Chain Reaction. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 1999, 18, 445-447.	1.3	13
72	Antimicrobial effects of lomefloxacin in vitro. <i>Journal of Antimicrobial Chemotherapy</i> , 1991, 27, 481-489.	1.3	12

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73	Trigonelline is not responsible for the acute increase in plasma homocysteine following ingestion of instant coffee. <i>European Journal of Clinical Nutrition</i> , 2004, 58, 1253-1256.	1.3	12
74	<i>Campylobacter fetus</i> prosthetic hip joint infection: successful management with device retention and review. <i>Journal of Infection</i> , 2005, 50, 258-261.	1.7	12
75	Cystathionine-gamma-lyase gene silencing with siRNA in monocytes/macrophages protects mice against acute pancreatitis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 337-346.	1.7	12
76	Gases in Sepsis: Novel Mediators and Therapeutic Targets. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3669.	1.8	12
77	Enteric colonization with antibiotic resistant bacteria in nurses working in intensive care units. <i>Journal of Antimicrobial Chemotherapy</i> , 1987, 19, 685-693.	1.3	11
78	Cystathionine-Gamma-Lyase-Derived Hydrogen Sulfide-Regulated Substance P Modulates Liver Sieve Fenestrations in Caecal Ligation and Puncture-Induced Sepsis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3191.	1.8	11
79	Glycine betaine excretion is not directly linked to plasma glucose concentrations in hyperglycaemia. <i>Diabetes Research and Clinical Practice</i> , 2001, 52, 165-169.	1.1	10
80	Effect of vitamin D3 supplementation on <i>Staphylococcus aureus</i> nasal carriage: a randomized, double-blind, placebo-controlled trial in healthy adults. <i>Clinical Microbiology and Infection</i> , 2014, 20, 453-458.	2.8	10
81	Differential Effects of Kupffer Cell Inactivation on Inflammation and The Liver Sieve Following Caecal-Ligation and Puncture-Induced Sepsis in Mice. <i>Shock</i> , 2017, 47, 480-490.	1.0	10
82	Antibiotic therapy costs. <i>New Zealand Medical Journal</i> , 1989, 102, 409-11.	0.5	10
83	Effects of betaines and urine on the antibacterial activity of aminoglycosides. <i>Journal of Antimicrobial Chemotherapy</i> , 1993, 31, 481-488.	1.3	9
84	Betaines: Their Significance for Bacteria and the Renal Tract. <i>Clinical Science</i> , 1995, 88, 25-27.	1.8	9
85	Predicting the impact of household contact and mass chemoprophylaxis on future new leprosy cases in South Tarawa, Kiribati: A modelling study. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007646.	1.3	9
86	Māori have a much higher incidence of community-acquired pneumonia and pneumococcal pneumonia than non-Māori: findings from two New Zealand hospitals. <i>New Zealand Medical Journal</i> , 2006, 119, U1978.	0.5	9
87	Home intravenous antimicrobial service—twelve months experience in Christchurch. <i>New Zealand Medical Journal</i> , 2002, 115, 216-8.	0.5	8
88	Clinical and Economic Considerations in the Use of Third-Generation Oral Cephalosporins. <i>Pharmacoeconomics</i> , 1995, 7, 416-427.	1.7	7
89	Sequence-Based Classification Scheme for the Genus <i>Legionella</i> Targeting the 5S rRNA Gene. <i>Journal of Clinical Microbiology</i> , 1999, 37, 281-281.	1.8	7
90	Increased rates of trimethoprim resistance in uncomplicated urinary tract infection: cause for concern?. <i>New Zealand Medical Journal</i> , 2005, 118, U1726.	0.5	7

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91	Two cases of Caroli's disease: Diagnosis and management. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1994, 9, 194-197.	1.4	6
92	Demonstration of herpes simplex type 2 in the cerebrospinal fluid of two patients with recurrent lymphocytic meningitis. <i>New Zealand Medical Journal</i> , 1994, 107, 367-9.	0.5	6
93	Maternity care providers' attitudes and practices concerning HIV testing during pregnancy; results of a survey of the Canterbury and upper South Island region. <i>New Zealand Medical Journal</i> , 2001, 114, 513-6.	0.5	6
94	Schistosomiasis at Christchurch Hospital, 1989-1994. <i>Australian and New Zealand Journal of Medicine</i> , 1996, 26, 226-227.	0.5	5
95	Unbound Vitamin D Concentrations Are Not Decreased in Critically Ill Patients. <i>Internal Medicine Journal</i> , 2020, , .	0.5	5
96	Legionella, Chlamydia pneumoniae and Mycoplasma infection in patients admitted to Christchurch Hospital with pneumonia. <i>New Zealand Medical Journal</i> , 1999, 112, 222-4.	0.5	5
97	Klebsiella oxytoca revealing decreased susceptibility to extended spectrum $\beta$ -lactams. <i>Journal of Antimicrobial Chemotherapy</i> , 1995, 36, 265-267.	1.3	4
98	Effect of monthly vitamin D3 supplementation in healthy adults on adverse effects of earthquakes: randomised controlled trial. <i>BMJ</i> , The, 2014, 349, g7260-g7260.	3.0	4
99	Volatile Organic Compounds: Upcoming Role in Diagnosis of Invasive Mould Infections. <i>Current Fungal Infection Reports</i> , 2017, 11, 117-123.	0.9	4
100	Enhancement of Culture of Legionella longbeachae from Respiratory Samples by Use of Immunomagnetic Separation and Antimicrobial Decontamination. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	4
101	Oxidative stress and immune cell activation quantification in sepsis and non-sepsis critical care patients by neopterin/7,8-dihydroneopterin analysis. <i>Pteridines</i> , 2020, 31, 68-82.	0.5	4
102	Quinolones. <i>New Zealand Medical Journal</i> , 1995, 108, 273-7.	0.5	4
103	How safe are gloves and masks used for protection against Legionella longbeachae infection when gardening?. <i>Letters in Applied Microbiology</i> , 2021, 73, 616-622.	1.0	3
104	Reply to Boethel et al. <i>Clinical Infectious Diseases</i> , 2014, 59, 1506-1506.	2.9	2
105	Assessing the impact of a "bundle of care"™ approach to Staphylococcus aureus bacteraemia in a tertiary hospital. <i>Infection Prevention in Practice</i> , 2020, 2, 100096.	0.6	2
106	Which cephalosporin?. <i>New Zealand Medical Journal</i> , 1992, 105, 498-500.	0.5	2
107	Addressing structural discrimination: prioritising people with mental health and addiction issues during the COVID-19 pandemic. <i>New Zealand Medical Journal</i> , 2021, 134, 128-134.	0.5	2
108	Two Monoclonal Antibodies That Specifically Recognize Aspergillus Cell Wall Antigens and Can Detect Circulating Antigens in Infected Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 252.	1.8	2

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109	Total Costs of HIV Disease Higher with Zidovudine?. <i>Pharmacoeconomics</i> , 1992, 1, 70-71.	1.7	1
110	Successful management of pain syndrome due to <i>Angiostrongylus cantonensis</i> by implantable spinal cord stimulator. <i>Australian and New Zealand Journal of Medicine</i> , 1999, 29, 565-565.	0.5	1
111	Dimethylthetin treatment causes diffuse alveolar lung damage: A pilot study in a sheep model of Continuous Ambulatory Peritoneal Dialysis (CAPD). <i>Experimental and Toxicologic Pathology</i> , 2007, 58, 285-290.	2.1	1
112	Complete Genome Sequence of a <i>Legionella longbeachae</i> Serogroup 2 Isolate Derived from a Patient with Legionnaires' Disease. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.3	1
113	Carbapenems, monobactams and quinolones. <i>New Zealand Medical Journal</i> , 1989, 102, 6-7.	0.5	1
114	Resistance to antimicrobial agents: can we make a difference?. <i>Toxicological Reviews</i> , 2000, 19, 207-21.	0.5	1
115	The effect of beta-lactam accumulation by <i>Escherichia coli</i> K-12 on aminoglycoside activity. <i>Journal of Antimicrobial Chemotherapy</i> , 1996, 37, 396-397.	1.3	0
116	An unusual case of recurrent septicaemia. <i>British Journal of Hospital Medicine</i> , 2000, 61, 806-806.	0.3	0
117	Whole-genome sequencing and ad hoc shared genome analysis of <i>Staphylococcus aureus</i> isolates from a New Zealand primary school. <i>Scientific Reports</i> , 2021, 11, 20328.	1.6	0
118	Addressing structural discrimination: prioritising people with mental health and addiction issues during the COVID-19 pandemic. <i>New Zealand Medical Journal</i> , 2021, 134, 128-134.	0.5	0