

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	Gases in Sepsis: Novel Mediators and Therapeutic Targets. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3669.	1.8	12
2	Two Monoclonal Antibodies That Specifically Recognize <i>Aspergillus</i> Cell Wall Antigens and Can Detect Circulating Antigens in Infected Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 252.	1.8	2
3	How safe are gloves and masks used for protection against <i>Legionella longbeachae</i> infection when gardening?. <i>Letters in Applied Microbiology</i> , 2021, 73, 616-622.	1.0	3
4	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
5	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
6	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
7	Unbound Vitamin D Concentrations Are Not Decreased in Critically Ill Patients. <i>Internal Medicine Journal</i> , 2020, , .	0.5	5
8	Assessing the impact of a "bundle of care"™ approach to <i>Staphylococcus aureus</i> bacteraemia in a tertiary hospital. <i>Infection Prevention in Practice</i> , 2020, 2, 100096.	0.6	2
9	Enhancement of Culture of <i>Legionella longbeachae</i> from Respiratory Samples by Use of Immunomagnetic Separation and Antimicrobial Decontamination. <i>Journal of Clinical Microbiology</i> , 2020, 58, .	1.8	4
10	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
11	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
12	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
13	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
14	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
15	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
16	Volatile Organic Compounds: Upcoming Role in Diagnosis of Invasive Mould Infections. <i>Current Fungal Infection Reports</i> , 2017, 11, 117-123.	0.9	4
17	Circulating levels of hydrogen sulfide and substance P in patients with sepsis. <i>Journal of Infection</i> , 2017, 75, 293-300.	1.7	16
18	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

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19	Validated Risk Score for Predicting 6â€Month Mortality in Infective Endocarditis. <i>Journal of the American Heart Association</i> , 2016, 5, e003016.	1.6	98
20	Cystathionine-Î³-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
21	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
22	Impact of Early Valve Surgery on Outcome of Staphylococcus aureus Prosthetic Valve Infective Endocarditis: Analysis in the International Collaboration of Endocarditisâ€Prospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2015, 60, 741-749.	2.9	84
23	Consensus guidelines for the treatment of invasive mould infections in haematological malignancy and haemopoietic stem cell transplantation, 2014. <i>Internal Medicine Journal</i> , 2014, 44, 1333-1349.	0.5	87
24	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
25	Effect of monthly vitamin D3 supplementation in healthy adults on adverse effects of earthquakes: randomised controlled trial. <i>BMJ, The</i> , 2014, 349, g7260-g7260.	3.0	4
26	Inhibition of Hydrogen Sulfide Production by Gene Silencing Attenuates Inflammatory Activity by Downregulation of NF-Î²B and MAP Kinase Activity in LPS-Activated RAW 264.7 Cells. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	20
27	Effect of vitamin D3 supplementation on Staphylococcus aureus 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
28	Reply to Boethel et al. <i>Clinical Infectious Diseases</i> , 2014, 59, 1506-1506.	2.9	2
29	ACE and ACE2 in Inflammation: A Tale of Two Enzymes. <i>Inflammation and Allergy: Drug Targets</i> , 2014, 13, 224-234.	1.8	126
30	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
31	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
32	Quantification of hydrogen cyanide (HCN) in breath using selected ion flow tube mass spectrometryâ€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
33	Chlamydia trachomatis Testing Sensitivity in Midstream Compared With First-Void Urine Specimens. <i>Annals of Family Medicine</i> , 2012, 10, 50-53.	0.9	20
34	Epsilonproteobacteria in Humans, New Zealand. <i>Emerging Infectious Diseases</i> , 2012, 18, 510-512.	2.0	16
35	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
36	Analysis of biogenic volatile organic compounds in human health and disease. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 960-967.	5.8	84

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37	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
38	Population-based epidemiology of <i>Staphylococcus aureus</i> bloodstream infection in Canterbury, New Zealand. <i>Internal Medicine Journal</i> , 2010, 40, 117-125.	0.5	38
39	Dietary and supplementary betaine: Effects on betaine and homocysteine concentrations in males. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2009, 19, 767-773.	1.1	43
40	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
41	A prospective double-blind randomized trial comparing intraluminal ethanol with heparinized saline for the prevention of catheter-associated bloodstream infection in immunosuppressed haematology patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 62, 809-815.	1.3	105
42	Incidence and characteristics of viral community-acquired pneumonia in adults. <i>Thorax</i> , 2008, 63, 42-48.	2.7	325
43	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
44	Ethanol disinfection of plastic-adherent micro-organisms. <i>Journal of Hospital Infection</i> , 2006, 63, 193-196.	1.4	85
45	Lower limb cellulitis: features associated with length of hospital stay. <i>Journal of Infection</i> , 2006, 52, 23-29.	1.7	26
46	Female Genital Schistosomiasis. <i>Journal of Travel Medicine</i> , 2006, 7, 30-32.	1.4	24
47	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
48	Diagnosis and management of staphylococcal infections of pacemakers and cardiac defibrillators. <i>Internal Medicine Journal</i> , 2005, 35, S63-S71.	0.5	38
49	Diagnosis and management of staphylococcal infections of vascular grafts and stents. <i>Internal Medicine Journal</i> , 2005, 35, S72-S78.	0.5	37
50	<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
51	Randomised controlled trial of intravenous antibiotic treatment for cellulitis at home compared with hospital. <i>BMJ: British Medical Journal</i> , 2005, 330, 129.	2.4	131
52	Response to antibiotics of women with symptoms of urinary tract infection but negative dipstick urine test results: double blind randomised controlled trial. <i>BMJ: British Medical Journal</i> , 2005, 331, 143.	2.4	75
53	Reduction of exit-site infections of tunnelled intravascular catheters among neutropenic patients by sustained-release chlorhexidine dressings: results from a prospective randomized controlled trial. <i>Journal of Hospital Infection</i> , 2005, 61, 53-61.	1.4	54
54	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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55	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
56	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
57	Glycine betaine and glycine betaine analogues in common foods. <i>Food Chemistry</i> , 2003, 83, 197-204.	4.2	194
58	Contamination of Qiagen DNA Extraction Kits with Legionella DNA. <i>Journal of Clinical Microbiology</i> , 2003, 41, 3452-3453.	1.8	55
59	Home intravenous antimicrobial service--twelve months experience in Christchurch. <i>New Zealand Medical Journal</i> , 2002, 115, 216-8.	0.5	8
60	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
61	Dimethylglycine accumulates in uremia and predicts elevated plasma homocysteine concentrations. <i>Kidney International</i> , 2001, 59, 2267-2272.	2.6	77
62	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
63	An unusual case of recurrent septicaemia. <i>British Journal of Hospital Medicine</i> , 2000, 61, 806-806.	0.3	0
64	Detection of Legionella DNA in Peripheral Leukocytes, Serum, and Urine from a Patient with Pneumonia Caused by Legionella dumoffii. <i>Clinical Infectious Diseases</i> , 2000, 30, 382-383.	2.9	23
65	Resistance to antimicrobial agents: can we make a difference?. <i>Toxicological Reviews</i> , 2000, 19, 207-21.	0.5	1
66	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
67	Detection of Legionella 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
68	Elevated glycine betaine excretion in diabetes mellitus patients is associated with proximal tubular dysfunction and hyperglycemia. <i>Diabetes Research and Clinical Practice</i> , 1999, 43, 91-99.	1.1	69
69	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
70	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
71	Sequence-Based Classification Scheme for the Genus Legionella Targeting the 5S rRNA Gene. <i>Journal of Clinical Microbiology</i> , 1999, 37, 281-281.	1.8	7
72	Ciguatera fish poisoning. <i>Postgraduate Medical Journal</i> , 1999, 75, 678-679.	0.9	18

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73	Legionella, Chlamydia pneumoniae and Mycoplasma infection in patients admitted to Christchurch Hospital with pneumonia. New Zealand Medical Journal, 1999, 112, 222-4.	0.5	5
74	Osmoprotective properties and accumulation of betaine analogues by Staphylococcus aureus. FEMS Microbiology Letters, 1998, 160, 25-30.	0.7	29
75	Invasive aspergillosis in severely neutropenic patients over 18 years: impact of intranasal amphotericin B and HEPA filtration. Journal of Hospital Infection, 1998, 38, 11-18.	1.4	29
76	Accumulation of natural and synthetic betaines by a mammalian renal cell line. Biochemistry and Cell Biology, 1996, 74, 283-287.	0.9	21
77	Community acquired pneumonia: aetiology and usefulness of severity criteria on admission.. Thorax, 1996, 51, 1010-1016.	2.7	334
78	The association between colicinogenicity and pathogenesis among uropathogenic isolates of Escherichia coli. Microbial Pathogenesis, 1996, 20, 185-190.	1.3	13
79	Natural and synthetic betaines counter the effects of high NaCl and urea concentrations. Biochimica Et Biophysica Acta - General Subjects, 1996, 1291, 189-194.	1.1	29
80	Betaines and Urinary Tract Infections. Nephron, 1996, 74, 1-10.	0.6	37
81	Schistosomiasis at Christchurch Hospital, 1989-94. Australian and New Zealand Journal of Medicine, 1996, 26, 226-227.	0.5	5
82	Is the ability of urinary tract pathogens to accumulate glycine betaine a factor in the virulence of pathogenic strains?. Translational Research, 1996, 128, 417-422.	2.4	15
83	The effect of betaine accumulation by Escherichia coli K-12 on aminoglycoside activity. Journal of Antimicrobial Chemotherapy, 1996, 37, 396-397.	1.3	0
84	Adaptive resistance to tobramycin in Pseudomonas aeruginosa lung infection in cystic fibrosis. Journal of Antimicrobial Chemotherapy, 1996, 37, 1155-1164.	1.3	83
85	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
86	The effect of aminoglycoside-induced adaptive resistance on the antibacterial activity of other antibiotics against Pseudomonas aeruginosa in vitro. Journal of Antimicrobial Chemotherapy, 1996, 38, 853-858.	1.3	25
87	Betaines: Their Significance for Bacteria and the Renal Tract. Clinical Science, 1995, 88, 25-27.	1.8	9
88	Improved efficacy with nonsimultaneous administration of first doses of gentamicin and ceftazidime in vitro. Antimicrobial Agents and Chemotherapy, 1995, 39, 132-136.	1.4	23
89	Klebsiella oxytoca revealing decreased susceptibility to extended spectrum β -lactams. Journal of Antimicrobial Chemotherapy, 1995, 36, 265-267.	1.3	4
90	Competitive accumulation of betaines by Escherichia coli K-12 and derivative strains lacking betaine porters. Biochimica Et Biophysica Acta - General Subjects, 1995, 1245, 116-120.	1.1	31

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91	Clinical and Economic Considerations in the Use of Third-Generation Oral Cephalosporins. <i>Pharmacoeconomics</i> , 1995, 7, 416-427.	1.7	7
92	Quinolones. <i>New Zealand Medical Journal</i> , 1995, 108, 273-7.	0.5	4
93	Efficacies of different vancomycin dosing regimens against <i>Staphylococcus aureus</i> determined with a dynamic in vitro model. <i>Antimicrobial Agents and Chemotherapy</i> , 1994, 38, 2480-2482.	1.4	57
94	Primary biliary cirrhosis presenting with granulomatous skin lesions.. <i>Gut</i> , 1994, 35, 564-566.	6.1	17
95	Relationship between osmoprotection and the structure and intracellular accumulation of betaines by <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1994, 120, 125-131.	0.7	45
96	Abnormal glycine betaine content of the blood and urine of diabetic and renal patients. <i>Clinica Chimica Acta</i> , 1994, 230, 69-79.	0.5	68
97	Two cases of Caroli's disease: Diagnosis and management. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 1994, 9, 194-197.	1.4	6
98	Glycine betaine and proline betaine in human blood and urine. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994, 1200, 259-264.	1.1	96
99	Bacterial Killing by Neutrophils in Hypertonic Environments. <i>Journal of Infectious Diseases</i> , 1994, 169, 839-846.	1.9	58
100	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
101	Organic osmolytes in human and other mammalian kidneys. <i>Kidney International</i> , 1993, 43, 448-453.	2.6	53
102	How vancomycin is used in Australasia – A survey. <i>Australian and New Zealand Journal of Medicine</i> , 1993, 23, 662-666.	0.5	13
103	Effects of betaines and urine on the antibacterial activity of aminoglycosides. <i>Journal of Antimicrobial Chemotherapy</i> , 1993, 31, 481-488.	1.3	9
104	Adaptive resistance following single doses of gentamicin in a dynamic in vitro model. <i>Antimicrobial Agents and Chemotherapy</i> , 1992, 36, 1951-1957.	1.4	107
105	Comparison of gentamicin dosing regimens using an in-vitro model. <i>Journal of Antimicrobial Chemotherapy</i> , 1992, 29, 427-433.	1.3	72
106	Total Costs of HIV Disease Higher with Zidovudine?. <i>Pharmacoeconomics</i> , 1992, 1, 70-71.	1.7	1
107	Same-day batch measurement of glycine betaine, carnitine, and other betaines in biological material. <i>Analytical Biochemistry</i> , 1992, 205, 14-21.	1.1	56
108	Which cephalosporin?. <i>New Zealand Medical Journal</i> , 1992, 105, 498-500.	0.5	2

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109	Antimicrobial effects of lomefloxacin in vitro. <i>Journal of Antimicrobial Chemotherapy</i> , 1991, 27, 481-489.	1.3	12
110	Carbapenems, monobactams and quinolones. <i>New Zealand Medical Journal</i> , 1989, 102, 6-7.	0.5	1
111	Antibiotic therapy costs. <i>New Zealand Medical Journal</i> , 1989, 102, 409-11.	0.5	10
112	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
113	Formation of Encrustations on Indwelling Urinary Catheters in the Elderly: A Comparison of Different types of Catheter Materials in "Blockers" and "Nonblockers". <i>Journal of Urology</i> , 1987, 138, 899-902.	0.2	107
114	Morbidity and Mortality Associated with Indwelling Urinary Catheters in Elderly Patients in a Nursing Home "Confounding Due to the Presence of Associated Diseases. <i>Journal of the American Geriatrics Society</i> , 1987, 35, 1001-1006.	1.3	59
115	Indwelling urinary catheters in the elderly. Relation of "catheter life" to formation of encrustations in patients with and without blocked catheters. <i>American Journal of Medicine</i> , 1987, 82, 405-411.	0.6	91
116	Dimethylthetin can substitute for glycine betaine as an osmoprotectant molecule for <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1987, 169, 4845-4847.	1.0	119
117	Isolation of glycine betaine and proline betaine from human urine. Assessment of their role as osmoprotective agents for bacteria and the kidney.. <i>Journal of Clinical Investigation</i> , 1987, 79, 731-737.	3.9	81
118	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