Jeffrey Lipman

List of Publications by Citations

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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.

539 papers	24,496 citations	76 h-index	137 g-index
605 ext. papers	29,295 ext. citations	6.2 avg, IF	7.04 L-index

#	Paper	IF	Citations
539	International study of the prevalence and outcomes of infection in intensive care units. *JAMA - Journal of the American Medical Association*, **2009**, 302, 2323-9	27.4	2023
538	Hydroxyethyl starch or saline for fluid resuscitation in intensive care. *New England Journal of Medicine*, **2012**, 367, 1901-11	59.2	1127
537	Pharmacokinetic issues for antibiotics in the critically ill patient. *Critical Care Medicine*, **2009**, 37, 840-51; quiz 859	1.4	598
536	Assessment of the worldwide burden of critical illness: the intensive care over nations (ICON) audit. *Lancet Respiratory Medicine,the*, **2014**, 2, 380-6	35.1	566
535	DALI: defining antibiotic levels in intensive care unit patients: are current β-lactam antibiotic doses sufficient for critically ill patients?. *Clinical Infectious Diseases*, **2014**, 58, 1072-83	11.6	564
534	Individualised antibiotic dosing for patients who are critically ill: challenges and potential solutions. *Lancet Infectious Diseases, The*, **2014**, 14, 498-509	25.5	534
533	Adult-population incidence of severe sepsis in Australian and New Zealand intensive care units. *Intensive Care Medicine*, **2004**, 30, 589-96	14.5	296
532	Principles of antibacterial dosing in continuous renal replacement therapy. *Critical Care Medicine*, **2009**, 37, 2268-82	1.4	280
531	Subtherapeutic initial β-lactam concentrations in select critically ill patients: association between augmented renal clearance and low trough drug concentrations. *Chest*, **2012**, 142, 30-39	5.3	277
530	Continuous infusion of beta-lactam antibiotics in severe sepsis: a multicenter double-blind, randomized controlled trial. *Clinical Infectious Diseases*, **2013**, 56, 236-44	11.6	250
529	Augmented renal clearance: implications for antibacterial dosing in the critically ill. *Clinical Pharmacokinetics*, **2010**, 49, 1-16	6.2	245
528	Therapeutic drug monitoring of beta-lactams in critically ill patients: proof of concept. *International Journal of Antimicrobial Agents*, **2010**, 36, 332-9	14.3	243
527	The effect of pathophysiology on pharmacokinetics in the critically ill patient--concepts appraised by the example of antimicrobial agents. *Advanced Drug Delivery Reviews*, **2014**, 77, 3-11	18.5	242
526	Antibiotic resistance--what's dosing got to do with it?. *Critical Care Medicine*, **2008**, 36, 2433-40	1.4	239
525	The effects of hypoalbuminaemia on optimizing antibacterial dosing in critically ill patients. *Clinical Pharmacokinetics*, **2011**, 50, 99-110	6.2	238
524	Meropenem dosing in critically ill patients with sepsis and without renal dysfunction: intermittent bolus versus continuous administration? Monte Carlo dosing simulations and subcutaneous tissue distribution. *Journal of Antimicrobial Chemotherapy*, **2009**, 64, 142-50	5.1	238
523	Characteristics and determinants of outcome of hospital-acquired bloodstream infections in intensive care units: the EUROBACT International Cohort Study. *Intensive Care Medicine*, **2012**, 38, 1930-45	14.5	226

522	A comparison of epinephrine and norepinephrine in critically ill patients. *Intensive Care Medicine*, **2008**, 34, 2226-34	14.5	216
521	A systematic review on clinical benefits of continuous administration of beta-lactam antibiotics. *Critical Care Medicine*, **2009**, 37, 2071-8	1.4	208
520	Antibacterial dosing in intensive care: pharmacokinetics, degree of disease and pharmacodynamics of sepsis. *Clinical Pharmacokinetics*, **2006**, 45, 755-73	6.2	205
519	Continuous versus Intermittent β-Lactam Infusion in Severe Sepsis. A Meta-analysis of Individual Patient Data from Randomized Trials. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 681-91	10.2	192
518	Augmented renal clearance in the ICU: results of a multicenter observational study of renal function in critically ill patients with normal plasma creatinine concentrations*. *Critical Care Medicine*, **2014**, 42, 520-7	1.4	181
517	Systemic Inflammatory Response Syndrome, Quick Sequential Organ Function Assessment, and Organ Dysfunction: Insights From a Prospective Database of ED Patients With Infection. *Chest*, **2017**, 151, 586-596	5.3	178
516	The clinical relevance of plasma protein binding changes. *Clinical Pharmacokinetics*, **2013**, 52, 1-8	6.2	173
515	Beta-Lactam Infusion in Severe Sepsis (BLISS): a prospective, two-centre, open-labelled randomised controlled trial of continuous versus intermittent beta-lactam infusion in critically ill patients with severe sepsis. *Intensive Care Medicine*, **2016**, 42, 1535-1545	14.5	172
514	Vancomycin dosing in critically ill patients: robust methods for improved continuous-infusion regimens. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 2704-9	5.9	159
513	Management of meningitis due to antibiotic-resistant Acinetobacter species. *Lancet Infectious Diseases, The*, **2009**, 9, 245-55	25.5	152
512	Variability of antibiotic concentrations in critically ill patients receiving continuous renal replacement therapy: a multicentre pharmacokinetic study. *Critical Care Medicine*, **2012**, 40, 1523-8	1.4	151
511	Clinical implications of antibiotic pharmacokinetic principles in the critically ill. *Intensive Care Medicine*, **2013**, 39, 2070-82	14.5	150
510	A Multicenter Randomized Trial of Continuous versus Intermittent β-Lactam Infusion in Severe Sepsis. *American Journal of Respiratory and Critical Care Medicine*, **2015**, 192, 1298-305	10.2	147
509	An international, multicentre survey of β-lactam antibiotic therapeutic drug monitoring practice in intensive care units. *Journal of Antimicrobial Chemotherapy*, **2014**, 69, 1416-23	5.1	144
508	Analysis of 12 beta-lactam antibiotics in human plasma by HPLC with ultraviolet detection. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2010**, 878, 2039-43	3.2	144
507	The pharmacokinetics of once-daily dosing of ceftriaxone in critically ill patients. *Journal of Antimicrobial Chemotherapy*, **2001**, 47, 421-9	5.1	140
506	A comparison of estimates of glomerular filtration in critically ill patients with augmented renal clearance. *Critical Care*, **2011**, 15, R139	10.8	138
505	Protein binding of β-lactam antibiotics in critically ill patients: can we successfully predict unbound concentrations?. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 6165-70	5.9	137

504	Piperacillin penetration into tissue of critically ill patients with sepsis--bolus versus continuous administration?. *Critical Care Medicine*, **2009**, 37, 926-33	1.4	136
503	Meropenem and piperacillin/tazobactam prescribing in critically ill patients: does augmented renal clearance affect pharmacokinetic/pharmacodynamic target attainment when extended infusions are used?. *Critical Care*, **2013**, 17, R84	10.8	133
502	First-dose and steady-state population pharmacokinetics and pharmacodynamics of piperacillin by continuous or intermittent dosing in critically ill patients with sepsis. *International Journal of Antimicrobial Agents*, **2010**, 35, 156-63	14.3	133
501	Continuous infusion of beta-lactam antibiotics in severe infections: a review of its role. *International Journal of Antimicrobial Agents*, **2007**, 30, 11-8	14.3	132
500	The impact of hospital and ICU organizational factors on outcome in critically ill patients: results from the Extended Prevalence of Infection in Intensive Care study. *Critical Care Medicine*, **2015**, 43, 519-26	14	128
499	Implications of augmented renal clearance in critically ill patients. *Nature Reviews Nephrology*, **2011** , 7, 539-43	14.9	120
498	Sepsis in Intensive Care Unit Patients: Worldwide Data From the Intensive Care over Nations Audit. *Open Forum Infectious Diseases*, **2018**, 5, ofy313	1	120
497	Does Beta-lactam Pharmacokinetic Variability in Critically Ill Patients Justify Therapeutic Drug Monitoring? A Systematic Review. *Annals of Intensive Care*, **2012**, 2, 35	8.9	119
496	Hydrocortisone and tumor necrosis factor in severe community-acquired pneumonia. A randomized controlled study. *Chest*, **1993**, 104, 389-92	5.3	117
495	Toward improved surveillance: the impact of ventilator-associated complications on length of stay and antibiotic use in patients in intensive care units. *Clinical Infectious Diseases*, **2013**, 56, 471-7	11.6	113
494	Risk factors for target non-attainment during empirical treatment with β-lactam antibiotics in critically ill patients. *Intensive Care Medicine*, **2014**, 40, 1340-51	14.5	112
493	A Systematic Review of the Definitions, Determinants, and Clinical Outcomes of Antimicrobial De-escalation in the Intensive Care Unit. *Clinical Infectious Diseases*, **2016**, 62, 1009-1017	11.6	111
492	A Molecular Host Response Assay to Discriminate Between Sepsis and Infection-Negative Systemic Inflammation in Critically Ill Patients: Discovery and Validation in Independent Cohorts. *PLoS Medicine*, **2015**, 12, e1001916	11.6	111
491	Increased mortality associated with methicillin-resistant Staphylococcus aureus (MRSA) infection in the intensive care unit: results from the EPIC II study. *International Journal of Antimicrobial Agents*, **2011**, 38, 331-5	14.3	109
490	Augmented renal clearance in septic and traumatized patients with normal plasma creatinine concentrations: identifying at-risk patients. *Critical Care*, **2013**, 17, R35	10.8	108
489	Pharmacokinetics of colistin methanesulfonate and colistin in a critically ill patient receiving continuous venovenous hemodiafiltration. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 4814-5	5.9	108
488	A prospective randomized study comparing once- versus twice-daily amikacin dosing in critically ill adult and paediatric patients. *Journal of Antimicrobial Chemotherapy*, **1991**, 28, 753-64	5.1	107
487	Is prolonged infusion of piperacillin/tazobactam and meropenem in critically ill patients associated with improved pharmacokinetic/pharmacodynamic and patient outcomes? An observation from the Defining Antibiotic Levels in Intensive care unit patients (DALI) cohort. *Journal of Antimicrobial Chemotherapy*, **2016**, 71, 196-207	5.1	104

486	Monte Carlo simulations: maximizing antibiotic pharmacokinetic data to optimize clinical practice for critically ill patients. *Journal of Antimicrobial Chemotherapy*, **2011**, 66, 227-31	5.1	104
485	Development and validation of a novel molecular biomarker diagnostic test for the early detection of sepsis. *Critical Care*, **2011**, 15, R149	10.8	101
484	Low plasma cefepime levels in critically ill septic patients: pharmacokinetic modeling indicates improved troughs with revised dosing. *Antimicrobial Agents and Chemotherapy*, **1999**, 43, 2559-61	5.9	98
483	Antimicrobial pharmacokinetic and pharmacodynamic issues in the critically ill with severe sepsis and septic shock. *Critical Care Clinics*, **2011**, 27, 19-34	4.5	96
482	Applying pharmacokinetic/pharmacodynamic principles in critically ill patients: optimizing efficacy and reducing resistance development. *Seminars in Respiratory and Critical Care Medicine*, **2015**, 36, 136-53	3.9	93
481	Is continuous infusion ceftriaxone better than once-a-day dosing in intensive care? A randomized controlled pilot study. *Journal of Antimicrobial Chemotherapy*, **2007**, 59, 285-91	5.1	91
480	Therapeutic drug monitoring of the β-lactam antibiotics: what is the evidence and which patients should we be using it for?. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 3178-83	5.1	88
479	Pharmacological principles of antibiotic prescription in the critically ill. *Anaesthesia and Intensive Care*, **2002**, 30, 134-44	1.1	88
478	Are standard doses of piperacillin sufficient for critically ill patients with augmented creatinine clearance?. *Critical Care*, **2015**, 19, 28	10.8	86
477	A multicenter study on the effect of continuous hemodiafiltration intensity on antibiotic pharmacokinetics. *Critical Care*, **2015**, 19, 84	10.8	86
476	Vancomycin pharmacokinetics in critically ill patients receiving continuous venovenous haemodiafiltration. *British Journal of Clinical Pharmacology*, **2004**, 58, 259-68	3.8	86
475	Augmented creatinine clearance in traumatic brain injury. *Anesthesia and Analgesia*, **2010**, 111, 1505-10	3.9	85
474	A method for determining the free (unbound) concentration of ten beta-lactam antibiotics in human plasma using high performance liquid chromatography with ultraviolet detection. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2012**, 907, 178-84	3.2	84
473	Pharmacokinetic variability and exposures of fluconazole, anidulafungin, and caspofungin in intensive care unit patients: Data from multinational Defining Antibiotic Levels in Intensive care unit (DALI) patients Study. *Critical Care*, **2015**, 19, 33	10.8	83
472	Flucloxacillin dosing in critically ill patients with hypoalbuminaemia: special emphasis on unbound pharmacokinetics. *Journal of Antimicrobial Chemotherapy*, **2010**, 65, 1771-8	5.1	83
471	The ADMIN-ICU survey: a survey on antimicrobial dosing and monitoring in ICUs. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 2671-7	5.1	82
470	The impact of variation in renal replacement therapy settings on piperacillin, meropenem, and vancomycin drug clearance in the critically ill: an analysis of published literature and dosing regimens*. *Critical Care Medicine*, **2014**, 42, 1640-50	1.4	81
469	Sepsis: frontiers in diagnosis, resuscitation and antibiotic therapy. *Intensive Care Medicine*, **2016**, 42, 1958-1969	4.9	81

468	Pharmacokinetic-pharmacodynamic rationale for cefepime dosing regimens in intensive care units. *Journal of Antimicrobial Chemotherapy*, **2006**, 58, 987-93	5.1	80
467	1573. Population Pharmacokinetic Analyses for Cefepime in Adult and Pediatric Patients. *Open Forum Infectious Diseases*, **2019**, 6, S574-S575	1	78
466	Increased fluid resuscitation can lead to adverse outcomes in major-burn injured patients, but low mortality is achievable. *Burns*, **2008**, 34, 1090-7	2.3	77
465	Pharmacokinetic profiles of high-dose intravenous ciprofloxacin in severe sepsis. The Baragwanath Ciprofloxacin Study Group. *Antimicrobial Agents and Chemotherapy*, **1998**, 42, 2235-9	5.9	77
464	Therapeutic drug monitoring of anti-infective agents in critically ill patients. *Expert Review of Clinical Pharmacology*, **2016**, 9, 961-79	3.8	77
463	Better outcomes through continuous infusion of time-dependent antibiotics to critically ill patients?. *Current Opinion in Critical Care*, **2008**, 14, 390-6	3.5	75
462	Continuous infusion ceftazidime in intensive care: a randomized controlled trial. *Journal of Antimicrobial Chemotherapy*, **1999**, 43, 309-11	5.1	72
461	Vancomycin-associated nephrotoxicity in the critically ill: a retrospective multivariate regression analysis*. *Critical Care Medicine*, **2014**, 42, 2527-36	1.4	71
460	A meta-analysis of ventriculostomy-associated cerebrospinal fluid infections. *BMC Infectious Diseases*, **2015**, 15, 3	4	70
459	Antibiotic dosing in multiple organ dysfunction syndrome. *Chest*, **2011**, 139, 1210-1220	5.3	70
458	Intermittent bolus dosing of ceftazidime in critically ill patients. *Journal of Antimicrobial Chemotherapy*, **1997**, 40, 269-73	5.1	70
457	A Multicenter Trial of Vena Cava Filters in Severely Injured Patients. *New England Journal of Medicine*, **2019**, 381, 328-337	59.2	69
456	Augmented renal clearance in the Intensive Care Unit: an illustrative case series. *International Journal of Antimicrobial Agents*, **2010**, 35, 606-8	14.3	69
455	Improving antibiotic dosing in special situations in the ICU: burns, renal replacement therapy and extracorporeal membrane oxygenation. *Current Opinion in Critical Care*, **2012**, 18, 460-71	3.5	68
454	A systematic review of antibiotic dosing regimens for septic patients receiving continuous renal replacement therapy: do current studies supply sufficient data?. *Journal of Antimicrobial Chemotherapy*, **2009**, 64, 929-37	5.1	68
453	Cefepime versus cefpirome: the importance of creatinine clearance. *Anesthesia and Analgesia*, **2003** , 97, 1149-1154	3.9	68
452	How do we use therapeutic drug monitoring to improve outcomes from severe infections in critically ill patients?. *BMC Infectious Diseases*, **2014**, 14, 288	4	67
451	Antibiotic use and impact on outcome from bacteraemic critical illness: the BActeraemia Study in Intensive Care (BASIC). *Journal of Antimicrobial Chemotherapy*, **2010**, 65, 1276-85	5.1	67

450	The intensive care medicine research agenda on multidrug-resistant bacteria, antibiotics, and stewardship. *Intensive Care Medicine*, **2017**, 43, 1187-1197	14.5	66
449	The combined effects of extracorporeal membrane oxygenation and renal replacement therapy on meropenem pharmacokinetics: a matched cohort study. *Critical Care*, **2014**, 18, 565	10.8	66
448	Continuous beta-lactam infusion in critically ill patients: the clinical evidence. *Annals of Intensive Care*, **2012**, 2, 37	8.9	66
447	Assays for therapeutic drug monitoring of β-lactam antibiotics: A structured review. *International Journal of Antimicrobial Agents*, **2015**, 46, 367-75	14.3	65
446	Antimicrobial resistance and antibiotic stewardship programs in the ICU: insistence and persistence in the fight against resistance. A position statement from ESICM/ESCMID/WAAAR round table on multi-drug resistance. *Intensive Care Medicine*, **2018**, 44, 189-196	14.5	65
445	Does contemporary vancomycin dosing achieve therapeutic targets in a heterogeneous clinical cohort of critically ill patients? Data from the multinational DALI study. *Critical Care*, **2014**, 18, R99	10.8	65
444	Optimal doripenem dosing simulations in critically ill nosocomial pneumonia patients with obesity, augmented renal clearance, and decreased bacterial susceptibility. *Critical Care Medicine*, **2013**, 41, 489-95	1.4	65
443	Abdominal infections in the intensive care unit: characteristics, treatment and determinants of outcome. *BMC Infectious Diseases*, **2014**, 14, 420	4	64
442	Effect of obesity on the pharmacokinetics of antimicrobials in critically ill patients: A structured review. *International Journal of Antimicrobial Agents*, **2016**, 47, 259-68	14.3	63
441	Therapeutic drug monitoring of β-lactam antibiotics in the critically ill: direct measurement of unbound drug concentrations to achieve appropriate drug exposures. *Journal of Antimicrobial Chemotherapy*, **2018**, 73, 3087-3094	5.1	63
440	Low cefpirome levels during twice daily dosing in critically ill septic patients: pharmacokinetic modelling calls for more frequent dosing. *Intensive Care Medicine*, **2001**, 27, 363-70	14.5	60
439	β-lactam pharmacokinetics and pharmacodynamics in critically ill patients and strategies for dose optimization: a structured review. *Clinical and Experimental Pharmacology and Physiology*, **2012**, 39, 489-96	2	59
438	A randomised controlled study of the efficacy of hypromellose and Lacri-Lube combination versus polyethylene/Cling wrap to prevent corneal epithelial breakdown in the semiconscious intensive care patient. *Intensive Care Medicine*, **2004**, 30, 1122-6	14.5	58
437	Association between augmented renal clearance and clinical outcomes in patients receiving β-lactam antibiotic therapy by continuous or intermittent infusion: a nested cohort study of the BLING-II randomised, placebo-controlled, clinical trial. *International Journal of Antimicrobial Agents*, **2017**, 49, 624-630	14.3	56
436	Identification of novel vaccine candidates against multidrug-resistant Acinetobacter baumannii. *PLoS ONE*, **2013**, 8, e77631	3.7	56
435	Meropenem dosing in critically ill patients with sepsis receiving high-volume continuous venovenous hemofiltration. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 2974-8	5.9	56
434	Autonomic dysfunction in severe tetanus. *Critical Care Medicine*, **1987**, 15, 987-988	1.4	56
433	On-Site Therapeutic Drug Monitoring. *Trends in Biotechnology*, **2020**, 38, 1262-1277	15.1	55

432	Pharmacokinetic/pharmacodynamic considerations for the optimization of antimicrobial delivery in the critically ill. *Current Opinion in Critical Care*, **2015**, 21, 412-20	3.5	55
431	Plasma and tissue pharmacokinetics of cefazolin in patients undergoing elective and semielective abdominal aortic aneurysm open repair surgery. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 5238-42	5.9	55
430	The pharmacokinetic of amikacin in critically ill adult and paediatric patients: comparison of once- versus twice-daily dosing regimens. *Journal of Antimicrobial Chemotherapy*, **1991**, 27 Suppl C, 81-9	5.1	55
429	What is the relevance of fosfomycin pharmacokinetics in the treatment of serious infections in critically ill patients? A systematic review. *International Journal of Antimicrobial Agents*, **2013**, 42, 289-93	14.3	54
428	How can we ensure effective antibiotic dosing in critically ill patients receiving different types of renal replacement therapy?. *Diagnostic Microbiology and Infectious Disease*, **2015**, 82, 92-103	2.9	54
427	Does severe non-infectious SIRS differ from severe sepsis? Results from a multi-centre Australian and New Zealand intensive care unit study. *Intensive Care Medicine*, **2008**, 34, 1654-61	14.5	54
426	Using population pharmacokinetics to determine gentamicin dosing during extended daily diafiltration in critically ill patients with acute kidney injury. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 3635-40	5.9	53
425	Determining the mechanisms underlying augmented renal drug clearance in the critically ill: use of exogenous marker compounds. *Critical Care*, **2014**, 18, 657	10.8	50
424	Pitfalls of using estimations of glomerular filtration rate in an intensive care population. *Internal Medicine Journal*, **2011**, 41, 537-43	1.6	50
423	Pharmacokinetic evaluation of piperacillin-tazobactam. *Expert Opinion on Drug Metabolism and Toxicology*, **2010**, 6, 1017-31	5.5	50
422	β-Lactam therapeutic drug monitoring in the critically ill: optimising drug exposure in patients with fluctuating renal function and hypoalbuminaemia. *International Journal of Antimicrobial Agents*, **2013**, 41, 162-6	14.3	49
421	Molecular analysis of the Acinetobacter baumannii biofilm-associated protein. *Applied and Environmental Microbiology*, **2013**, 79, 6535-43	4.8	49
420	Principles of antibacterial dosing in continuous renal replacement therapy. *Blood Purification*, **2010**, 30, 195-212	3.1	49
419	Population Pharmacokinetics of Fosfomycin in Critically Ill Patients. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 6471-6	5.9	48
418	What Antibiotic Exposures Are Required to Suppress the Emergence of Resistance for Gram-Negative Bacteria? A Systematic Review. *Clinical Pharmacokinetics*, **2019**, 58, 1407-1443	6.2	47
417	Temporal trends, risk factors and outcomes in albicans and non-albicans candidaemia: an international epidemiological study in four multidisciplinary intensive care units. *International Journal of Antimicrobial Agents*, **2009**, 33, 554.e1-7	14.3	47
416	Serum procalcitonin and C-reactive protein as markers of sepsis and outcome in patients with neurotrauma and subarachnoid haemorrhage. *Anaesthesia and Intensive Care*, **2004**, 32, 465-70	1.1	47
415	Inter observer variability of the transcranial Doppler ultrasound technique: impact of lack of practice on the accuracy of measurement. *Journal of Clinical Monitoring and Computing*, **1999**, 15, 179-84	2	47

414	Vancomycin-associated nephrotoxicity: A meta-analysis of administration by continuous versus intermittent infusion. *International Journal of Antimicrobial Agents*, **2015**, 46, 249-53	14.3	46
413	Meropenem versus piperacillin-tazobactam for definitive treatment of bloodstream infections due to ceftriaxone non-susceptible Escherichia coli and Klebsiella spp (the MERINO trial): study protocol for a randomised controlled trial. *Trials*, **2015**, 16, 24	2.8	46
412	Therapeutic drug monitoring of beta-lactam antibiotics in burns patients--a one-year prospective study. *Therapeutic Drug Monitoring*, **2012**, 34, 160-4	3.2	46
411	Vasoconstrictor effects of adrenaline in human septic shock. *Anaesthesia and Intensive Care*, **1991**, 19, 61-5	1.1	46
410	Infections by multidrug-resistant Gram-negative Bacteria: WhatIs new in our arsenal and whatIs in the pipeline?. *International Journal of Antimicrobial Agents*, **2019**, 53, 211-224	14.3	46
409	Right Dose, Right Now: Customized Drug Dosing in the Critically Ill. *Critical Care Medicine*, **2017**, 45, 331-336	14	45
408	CAMERA2 - combination antibiotic therapy for methicillin-resistant Staphylococcus aureus infection: study protocol for a randomised controlled trial. *Trials*, **2016**, 17, 170	2.8	45
407	How to optimise antimicrobial prescriptions in the Intensive Care Unit: principles of individualised dosing using pharmacokinetics and pharmacodynamics. *International Journal of Antimicrobial Agents*, **2012**, 39, 187-92	14.3	45
406	Changes in vancomycin pharmacokinetics in critically ill infants. *Anaesthesia and Intensive Care*, **1995**, 23, 678-82	1.1	45
405	The influence of acute kidney injury on antimicrobial dosing in critically ill patients: are dose reductions always necessary?. *Diagnostic Microbiology and Infectious Disease*, **2014**, 79, 77-84	2.9	43
404	Plasma and target-site subcutaneous tissue population pharmacokinetics and dosing simulations of cefazolin in post-trauma critically ill patients. *Journal of Antimicrobial Chemotherapy*, **2015**, 70, 1495-502	5.1	43
403	Low mannose-binding lectin function is associated with sepsis in adult patients. *FEMS Immunology and Medical Microbiology*, **2006**, 48, 274-82		43
402	Cerebrospinal fluid penetration of high doses of intravenous ciprofloxacin in meningitis. *Clinical Infectious Diseases*, **2000**, 31, 1131-3	11.6	43
401	A new regimen for continuous infusion of vancomycin during continuous renal replacement therapy. *Journal of Antimicrobial Chemotherapy*, **2013**, 68, 2859-65	5.1	42
400	Ampicillin/sulbactam: its potential use in treating infections in critically ill patients. *International Journal of Antimicrobial Agents*, **2013**, 42, 384-9	14.3	41
399	The effect of adsorption, filter material and point of dilution on antibiotic elimination by haemofiltrationAn in vitro study of levofloxacin. *International Journal of Antimicrobial Agents*, **2004**, 24, 468-472	14.3	41
398	Epidemiology of intra-abdominal infection and sepsis in critically ill patients: "AbSeS", a multinational observational cohort study and ESICM Trials Group Project. *Intensive Care Medicine*, **2019**, 45, 1703-1717	14.5	40
397	Burn resuscitation--hourly urine output versus alternative endpoints: a systematic review. *Shock*, **2014**, 42, 295-306	3.4	40

396	Characteristics of bloodstream infections in burn patients: An 11-year retrospective study. *Burns*, **2012**, 38, 685-90	2.3	40
395	Fluid shifts have no influence on ciprofloxacin pharmacokinetics in intensive care patients with intra-abdominal sepsis. *International Journal of Antimicrobial Agents*, **2005**, 26, 50-5	14.3	40
394	The costs of caring for patients in a tertiary referral Australian Intensive Care Unit. *Anaesthesia and Intensive Care*, **2005**, 33, 477-82	1.1	40
393	High-dose adrenaline in adult in-hospital asystolic cardiopulmonary resuscitation: a double-blind randomised trial. *Anaesthesia and Intensive Care*, **1993**, 21, 192-6	1.1	40
392	Patient and family engagement in the ICU: Report from the task force of the World Federation of Societies of Intensive and Critical Care Medicine. *Journal of Critical Care*, **2018**, 48, 251-256	4	40
391	Assessment of clinical risk predictive rules for invasive candidiasis in a prospective multicentre cohort of ICU patients. *Intensive Care Medicine*, **2009**, 35, 2141-5	14.5	39
390	Understanding PK/PD. *Intensive Care Medicine*, **2016**, 42, 1797-1800	14.5	38
389	Population pharmacokinetics of fluconazole in critically ill patients receiving continuous venovenous hemodiafiltration: using Monte Carlo simulations to predict doses for specified pharmacodynamic targets. *Antimicrobial Agents and Chemotherapy*, **2011**, 55, 5868-73	5.9	38
388	Novel Antibiotics for Multidrug-Resistant Gram-Positive Microorganisms. *Microorganisms*, **2019**, 7,	4.9	37
387	Using pharmacokinetics and pharmacodynamics to optimise dosing of antifungal agents in critically ill patients: a systematic review. *International Journal of Antimicrobial Agents*, **2012**, 39, 1-10	14.3	37
386	Pharmacokinetics and pharmacodynamics in critically ill patients. *Current Opinion in Anaesthesiology* , **2010**, 23, 472-8	2.9	37
385	Pharmacokinetics of ciprofloxacin in ICU patients on continuous veno-venous haemodiafiltration. *Intensive Care Medicine*, **2001**, 27, 665-72	14.5	37
384	Septic shock: does adrenaline have a role as a first-line inotropic agent?. *Anaesthesia and Intensive Care*, **1992**, 20, 470-4	1.1	37
383	Poor discriminatory performance of the Pediatric Risk of Mortality (PRISM) score in a South African intensive care unit. *Critical Care Medicine*, **1996**, 24, 1507-13	1.4	37
382	The Effect of Renal Replacement Therapy and Antibiotic Dose on Antibiotic Concentrations in Critically Ill Patients: Data From the Multinational Sampling Antibiotics in Renal Replacement Therapy Study. *Clinical Infectious Diseases*, **2021**, 72, 1369-1378	11.6	37
381	Antimicrobial-associated harm in critical care: a narrative review. *Intensive Care Medicine*, **2020**, 46, 225-235	14.5	36
380	Severity Scores in Emergency Department Patients With Presumed Infection: A Prospective Validation Study. *Critical Care Medicine*, **2016**, 44, 539-47	1.4	36
379	Population pharmacokinetics and dosing simulations of amoxicillin/clavulanic acid in critically ill patients. *Journal of Antimicrobial Chemotherapy*, **2013**, 68, 2600-8	5.1	36

378	Proposed primary endpoints for use in clinical trials that compare treatment options for bloodstream infection in adults: a consensus definition. *Clinical Microbiology and Infection*, **2017**, 23, 533-541	9.5	36
377	Quantitative bioanalytical validation of fosfomycin in human whole blood with volumetric absorptive microsampling. *Bioanalysis*, **2015**, 7, 2585-95	2.1	36
376	A comparison of CKD-EPI estimated glomerular filtration rate and measured creatinine clearance in recently admitted critically ill patients with normal plasma creatinine concentrations. *BMC Nephrology*, **2013**, 14, 250	2.7	35
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