

Jason A Roberts

List of Publications by Citations

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521
papers

20,601
citations

70
h-index

125
g-index

588
ext. papers

26,281
ext. citations

6.5
avg, IF

7.07
L-index

#	Paper	IF	Citations
521	Management of Adults With Hospital-acquired and Ventilator-associated Pneumonia: 2016 Clinical Practice Guidelines by the Infectious Diseases Society of America and the American Thoracic Society. <i>Clinical Infectious Diseases</i> , 2016 , 63, e61-e111	11.6	1499
520	Pharmacokinetic issues for antibiotics in the critically ill patient. <i>Critical Care Medicine</i> , 2009 , 37, 840-51; quiz 859	1.4	598
519	DALI: defining antibiotic levels in intensive care unit patients: are current β -lactam antibiotic doses sufficient for critically ill patients?. <i>Clinical Infectious Diseases</i> , 2014 , 58, 1072-83	11.6	564
518	Individualised antibiotic dosing for patients who are critically ill: challenges and potential solutions. <i>Lancet Infectious Diseases</i> , 2014 , 14, 498-509	25.5	534
517	Subtherapeutic initial β -lactam concentrations in select critically ill patients: association between augmented renal clearance and low trough drug concentrations. <i>Chest</i> , 2012 , 142, 30-39	5.3	277
516	Continuous infusion of beta-lactam antibiotics in severe sepsis: a multicenter double-blind, randomized controlled trial. <i>Clinical Infectious Diseases</i> , 2013 , 56, 236-44	11.6	250
515	Augmented renal clearance: implications for antibacterial dosing in the critically ill. <i>Clinical Pharmacokinetics</i> , 2010 , 49, 1-16	6.2	245
514	Therapeutic drug monitoring of beta-lactams in critically ill patients: proof of concept. <i>International Journal of Antimicrobial Agents</i> , 2010 , 36, 332-9	14.3	243
513	Antibiotic resistance--what's dosing got to do with it?. <i>Critical Care Medicine</i> , 2008 , 36, 2433-40	1.4	239
512	The effects of hypoalbuminaemia on optimizing antibacterial dosing in critically ill patients. <i>Clinical Pharmacokinetics</i> , 2011 , 50, 99-110	6.2	238
511	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. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 64, 142-50	5.1	238
510	Executive Summary: Management of Adults With Hospital-acquired and Ventilator-associated Pneumonia: 2016 Clinical Practice Guidelines by the Infectious Diseases Society of America and the American Thoracic Society. <i>Clinical Infectious Diseases</i> , 2016 , 63, 575-82	11.6	232
509	Effect of Dexmedetomidine Added to Standard Care on Ventilator-Free Time in Patients With Agitated Delirium: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 1460-8	27.4	222
508	A systematic review on clinical benefits of continuous administration of beta-lactam antibiotics. <i>Critical Care Medicine</i> , 2009 , 37, 2071-8	1.4	208
507	Antibacterial dosing in intensive care: pharmacokinetics, degree of disease and pharmacodynamics of sepsis. <i>Clinical Pharmacokinetics</i> , 2006 , 45, 755-73	6.2	205
506	Isolation and rapid sharing of the 2019 novel coronavirus (SARS-CoV-2) from the first patient diagnosed with COVID-19 in Australia. <i>Medical Journal of Australia</i> , 2020 , 212, 459-462	4	201
505	Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. <i>Intensive Care Medicine</i> , 2021 , 47, 1181-1247	14.5	199

504	Therapeutic drug monitoring of antimicrobials. <i>British Journal of Clinical Pharmacology</i> , 2012 , 73, 27-36	3.8	197
503	Pharmacokinetic changes in patients receiving extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , 2012 , 27, 741.e9-18	4	193
502	Continuous versus Intermittent β -Lactam Infusion in Severe Sepsis. A Meta-analysis of Individual Patient Data from Randomized Trials. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 681-91	10.2	192
501	Antimicrobial therapeutic drug monitoring in critically ill adult patients: a Position Paper. <i>Intensive Care Medicine</i> , 2020 , 46, 1127-1153	14.5	184
500	The clinical relevance of plasma protein binding changes. <i>Clinical Pharmacokinetics</i> , 2013 , 52, 1-8	6.2	173
499	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. <i>Intensive Care Medicine</i> , 2016 , 42, 1535-1545	14.5	172
498	Sequestration of drugs in the circuit may lead to therapeutic failure during extracorporeal membrane oxygenation. <i>Critical Care</i> , 2012 , 16, R194	10.8	171
497	Vancomycin dosing in critically ill patients: robust methods for improved continuous-infusion regimens. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 2704-9	5.9	159
496	Variability of antibiotic concentrations in critically ill patients receiving continuous renal replacement therapy: a multicentre pharmacokinetic study. <i>Critical Care Medicine</i> , 2012 , 40, 1523-8	1.4	151
495	Clinical implications of antibiotic pharmacokinetic principles in the critically ill. <i>Intensive Care Medicine</i> , 2013 , 39, 2070-82	14.5	150
494	A Multicenter Randomized Trial of Continuous versus Intermittent β -Lactam Infusion in Severe Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 1298-305	10.2	147
493	An international, multicentre survey of β -lactam antibiotic therapeutic drug monitoring practice in intensive care units. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 1416-23	5.1	144
492	Analysis of 12 beta-lactam antibiotics in human plasma by HPLC with ultraviolet detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 2039-43	3.2	144
491	Hepatitis and death following vaccination with 17D-204 yellow fever vaccine. <i>Lancet, The</i> , 2001 , 358, 121-2	4.0	143
490	A comparison of estimates of glomerular filtration in critically ill patients with augmented renal clearance. <i>Critical Care</i> , 2011 , 15, R139	10.8	138
489	Protein binding of β -lactam antibiotics in critically ill patients: can we successfully predict unbound concentrations?. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 6165-70	5.9	137
488	Piperacillin penetration into tissue of critically ill patients with sepsis--bolus versus continuous administration?. <i>Critical Care Medicine</i> , 2009 , 37, 926-33	1.4	136
487	Meropenem and piperacillin/tazobactam prescribing in critically ill patients: does augmented renal clearance affect pharmacokinetic/pharmacodynamic target attainment when extended infusions are used?. <i>Critical Care</i> , 2013 , 17, R84	10.8	133

486	First-dose and steady-state population pharmacokinetics and pharmacodynamics of piperacillin by continuous or intermittent dosing in critically ill patients with sepsis. <i>International Journal of Antimicrobial Agents</i> , 2010 , 35, 156-63	14.3	133
485	Continuous infusion of beta-lactam antibiotics in severe infections: a review of its role. <i>International Journal of Antimicrobial Agents</i> , 2007 , 30, 11-8	14.3	132
484	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2021. <i>Critical Care Medicine</i> , 2021 , 49, e1063-e1143	1.4	131
483	Protein-bound drugs are prone to sequestration in the extracorporeal membrane oxygenation circuit: results from an ex vivo study. <i>Critical Care</i> , 2015 , 19, 164	10.8	130
482	Obesity in the critically ill: a narrative review. <i>Intensive Care Medicine</i> , 2019 , 45, 757-769	14.5	126
481	Implications of augmented renal clearance in critically ill patients. <i>Nature Reviews Nephrology</i> , 2011 , 7, 539-43	14.9	120
480	Does Beta-lactam Pharmacokinetic Variability in Critically Ill Patients Justify Therapeutic Drug Monitoring? A Systematic Review. <i>Annals of Intensive Care</i> , 2012 , 2, 35	8.9	119
479	Risk factors for target non-attainment during empirical treatment with β -lactam antibiotics in critically ill patients. <i>Intensive Care Medicine</i> , 2014 , 40, 1340-51	14.5	112
478	A Systematic Review of the Definitions, Determinants, and Clinical Outcomes of Antimicrobial De-escalation in the Intensive Care Unit. <i>Clinical Infectious Diseases</i> , 2016 , 62, 1009-1017	11.6	111
477	Augmented renal clearance in septic and traumatized patients with normal plasma creatinine concentrations: identifying at-risk patients. <i>Critical Care</i> , 2013 , 17, R35	10.8	108
476	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. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 196-207	5.1	104
475	Monte Carlo simulations: maximizing antibiotic pharmacokinetic data to optimize clinical practice for critically ill patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2011 , 66, 227-31	5.1	104
474	French legal approach to clinical research. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2018 , 37, 607-614	5.1	97
473	Antimicrobial pharmacokinetic and pharmacodynamic issues in the critically ill with severe sepsis and septic shock. <i>Critical Care Clinics</i> , 2011 , 27, 19-34	4.5	96
472	Antimicrobials: a global alliance for optimizing their rational use in intra-abdominal infections (AGORA). <i>World Journal of Emergency Surgery</i> , 2016 , 11, 33	9.2	95
471	Applying pharmacokinetic/pharmacodynamic principles in critically ill patients: optimizing efficacy and reducing resistance development. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2015 , 36, 136-53	3.9	93
470	Is continuous infusion ceftriaxone better than once-a-day dosing in intensive care? A randomized controlled pilot study. <i>Journal of Antimicrobial Chemotherapy</i> , 2007 , 59, 285-91	5.1	91
469	Therapeutic drug monitoring of the β -lactam antibiotics: what is the evidence and which patients should we be using it for?. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 3178-83	5.1	88

468	Therapeutic monitoring of vancomycin in adult patients: a consensus review of the American Society of Health-System Pharmacists, the Infectious Diseases Society of America, and the Society Of Infectious Diseases Pharmacists. <i>Clinical Biochemist Reviews</i> , 2010 , 31, 21-4	7.3	88
467	Are standard doses of piperacillin sufficient for critically ill patients with augmented creatinine clearance?. <i>Critical Care</i> , 2015 , 19, 28	10.8	86
466	A multicenter study on the effect of continuous hemodiafiltration intensity on antibiotic pharmacokinetics. <i>Critical Care</i> , 2015 , 19, 84	10.8	86
465	A method for determining the free (unbound) concentration of ten beta-lactam antibiotics in human plasma using high performance liquid chromatography with ultraviolet detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 907, 178-84	3.2	84
464	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. <i>Critical Care</i> , 2015 , 19, 33	10.8	83
463	Flucloxacillin dosing in critically ill patients with hypoalbuminaemia: special emphasis on unbound pharmacokinetics. <i>Journal of Antimicrobial Chemotherapy</i> , 2010 , 65, 1771-8	5.1	83
462	The ADMIN-ICU survey: a survey on antimicrobial dosing and monitoring in ICUs. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 2671-7	5.1	82
461	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*. <i>Critical Care Medicine</i> , 2014 , 42, 1640-50	1.4	81
460	Quantification of seven β -lactam antibiotics and two β -lactamase inhibitors in human plasma using a validated UPLC-MS/MS method. <i>International Journal of Antimicrobial Agents</i> , 2012 , 40, 416-22	14.3	77
459	Therapeutic drug monitoring of anti-infective agents in critically ill patients. <i>Expert Review of Clinical Pharmacology</i> , 2016 , 9, 961-79	3.8	77
458	Augmented renal clearance in critically ill patients: etiology, definition and implications for beta-lactam dose optimization. <i>Current Opinion in Pharmacology</i> , 2015 , 24, 1-6	5.1	76
457	Better outcomes through continuous infusion of time-dependent antibiotics to critically ill patients?. <i>Current Opinion in Critical Care</i> , 2008 , 14, 390-6	3.5	75
456	Protein-inspired antibiotics active against vancomycin- and daptomycin-resistant bacteria. <i>Nature Communications</i> , 2018 , 9, 22	17.4	73
455	Use of nebulized antimicrobials for the treatment of respiratory infections in invasively mechanically ventilated adults: a position paper from the European Society of Clinical Microbiology and Infectious Diseases. <i>Clinical Microbiology and Infection</i> , 2017 , 23, 629-639	9.5	71
454	Vancomycin-associated nephrotoxicity in the critically ill: a retrospective multivariate regression analysis*. <i>Critical Care Medicine</i> , 2014 , 42, 2527-36	1.4	71
453	ASAP ECMO: Antibiotic, Sedative and Analgesic Pharmacokinetics during Extracorporeal Membrane Oxygenation: a multi-centre study to optimise drug therapy during ECMO. <i>BMC Anesthesiology</i> , 2012 , 12, 29	2.4	71
452	Consensus guidelines for optimising antifungal drug delivery and monitoring to avoid toxicity and improve outcomes in patients with haematological malignancy, 2014. <i>Internal Medicine Journal</i> , 2014 , 44, 1364-88	1.6	70
451	Antibiotic dosing in multiple organ dysfunction syndrome. <i>Chest</i> , 2011 , 139, 1210-1220	5.3	70

450	Advances in antibiotic therapy in the critically ill. <i>Critical Care</i> , 2016 , 20, 133	10.8	70
449	Augmented renal clearance in the Intensive Care Unit: an illustrative case series. <i>International Journal of Antimicrobial Agents</i> , 2010 , 35, 606-8	14.3	69
448	Improving antibiotic dosing in special situations in the ICU: burns, renal replacement therapy and extracorporeal membrane oxygenation. <i>Current Opinion in Critical Care</i> , 2012 , 18, 460-71	3.5	68
447	How do we use therapeutic drug monitoring to improve outcomes from severe infections in critically ill patients?. <i>BMC Infectious Diseases</i> , 2014 , 14, 288	4	67
446	Development of multiplex PCRs for detection of common viral pathogens and agents of congenital infections. <i>Journal of Clinical Microbiology</i> , 2005 , 43, 5102-10	9.7	67
445	The combined effects of extracorporeal membrane oxygenation and renal replacement therapy on meropenem pharmacokinetics: a matched cohort study. <i>Critical Care</i> , 2014 , 18, 565	10.8	66
444	Continuous beta-lactam infusion in critically ill patients: the clinical evidence. <i>Annals of Intensive Care</i> , 2012 , 2, 37	8.9	66
443	Assays for therapeutic drug monitoring of β -lactam antibiotics: A structured review. <i>International Journal of Antimicrobial Agents</i> , 2015 , 46, 367-75	14.3	65
442	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. <i>Intensive Care Medicine</i> , 2018 , 44, 189-196	14.5	65
441	Does contemporary vancomycin dosing achieve therapeutic targets in a heterogeneous clinical cohort of critically ill patients? Data from the multinational DALI study. <i>Critical Care</i> , 2014 , 18, R99	10.8	65
440	Optimal doripenem dosing simulations in critically ill nosocomial pneumonia patients with obesity, augmented renal clearance, and decreased bacterial susceptibility. <i>Critical Care Medicine</i> , 2013 , 41, 489-95	14.4	65
439	Reporting Guidelines for Clinical Pharmacokinetic Studies: The ClinPK Statement. <i>Clinical Pharmacokinetics</i> , 2015 , 54, 783-95	6.2	64
438	Simultaneous determination of seven β -lactam antibiotics in human plasma for therapeutic drug monitoring and pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 960, 134-44	3.2	64
437	Nebulization of Antiinfective Agents in Invasively Mechanically Ventilated Adults: A Systematic Review and Meta-analysis. <i>Anesthesiology</i> , 2017 , 126, 890-908	4.3	64
436	β -lactam pharmacokinetics during extracorporeal membrane oxygenation therapy: A case-control study. <i>International Journal of Antimicrobial Agents</i> , 2015 , 45, 278-82	14.3	64
435	Optimising drug dosing in patients receiving extracorporeal membrane oxygenation. <i>Journal of Thoracic Disease</i> , 2018 , 10, S629-S641	2.6	64
434	Effect of obesity on the pharmacokinetics of antimicrobials in critically ill patients: A structured review. <i>International Journal of Antimicrobial Agents</i> , 2016 , 47, 259-68	14.3	63
433	Therapeutic drug monitoring of β -lactam antibiotics in the critically ill: direct measurement of unbound drug concentrations to achieve appropriate drug exposures. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 3087-3094	5.1	63

432	Direct RNA sequencing and early evolution of SARS-CoV-2		61
431	Vancomycin population pharmacokinetics during extracorporeal membrane oxygenation therapy: a matched cohort study. <i>Critical Care</i> , 2014 , 18, 632	10.8	60
430	The role of infection models and PK/PD modelling for optimising care of critically ill patients with severe infections. <i>Intensive Care Medicine</i> , 2017 , 43, 1021-1032	14.5	59
429	β-lactam pharmacokinetics and pharmacodynamics in critically ill patients and strategies for dose optimization: a structured review. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012 , 39, 489-96		59
428	Solid nanoparticles for oral antimicrobial drug delivery: a review. <i>Drug Discovery Today</i> , 2019 , 24, 858-866	6.8	59
427	Diagnosis and management of invasive candidiasis in the ICU: an updated approach to an old enemy. <i>Critical Care</i> , 2016 , 20, 125	10.8	57
426	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. <i>International Journal of Antimicrobial Agents</i> , 2017 , 49, 624-630	14.3	56
425	Meropenem dosing in critically ill patients with sepsis receiving high-volume continuous venovenous hemofiltration. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 2974-8	5.9	56
424	On-Site Therapeutic Drug Monitoring. <i>Trends in Biotechnology</i> , 2020 , 38, 1262-1277	15.1	55
423	Pharmacokinetic/pharmacodynamic considerations for the optimization of antimicrobial delivery in the critically ill. <i>Current Opinion in Critical Care</i> , 2015 , 21, 412-20	3.5	55
422	Optimization of dosing regimens and dosing in special populations. <i>Clinical Microbiology and Infection</i> , 2015 , 21, 886-93	9.5	55
421	Plasma and tissue pharmacokinetics of cefazolin in patients undergoing elective and semielective abdominal aortic aneurysm open repair surgery. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 5238-42	5.9	55
420	What is the relevance of fosfomycin pharmacokinetics in the treatment of serious infections in critically ill patients? A systematic review. <i>International Journal of Antimicrobial Agents</i> , 2013 , 42, 289-93	14.3	54
419	How can we ensure effective antibiotic dosing in critically ill patients receiving different types of renal replacement therapy?. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015 , 82, 92-103	2.9	54
418	Using population pharmacokinetics to determine gentamicin dosing during extended daily diafiltration in critically ill patients with acute kidney injury. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 3635-40	5.9	53
417	Prolonged Infusion Piperacillin-Tazobactam Decreases Mortality and Improves Outcomes in Severely Ill Patients: Results of a Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , 2018 , 46, 236-243	1.4	53
416	Plasma and peritoneal fluid population pharmacokinetics of micafungin in post-surgical patients with severe peritonitis. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 2854-61	5.1	52
415	Individualization of piperacillin dosing for critically ill patients: dosing software to optimize antimicrobial therapy. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4094-102	5.9	52

414	Clinical Pharmacokinetics and Pharmacodynamics of Oxazolidinones. <i>Clinical Pharmacokinetics</i> , 2018 , 57, 559-575	6.2	51
413	Development of a dosing nomogram for continuous-infusion meropenem in critically ill patients based on a validated population pharmacokinetic model. <i>Journal of Antimicrobial Chemotherapy</i> , 2018 , 73, 1330-1339	5.1	50
412	Determining the mechanisms underlying augmented renal drug clearance in the critically ill: use of exogenous marker compounds. <i>Critical Care</i> , 2014 , 18, 657	10.8	50
411	Pitfalls of using estimations of glomerular filtration rate in an intensive care population. <i>Internal Medicine Journal</i> , 2011 , 41, 537-43	1.6	50
410	Pharmacokinetic evaluation of piperacillin-tazobactam. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010 , 6, 1017-31	5.5	50
409	Fundamentals of aerosol therapy in critical care. <i>Critical Care</i> , 2016 , 20, 269	10.8	50
408	Impact of 30 mg/kg amikacin and 8 mg/kg gentamicin on serum concentrations in critically ill patients with severe sepsis. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 208-12	5.1	49
407	β-lactam therapeutic drug monitoring in the critically ill: optimising drug exposure in patients with fluctuating renal function and hypoalbuminaemia. <i>International Journal of Antimicrobial Agents</i> , 2013 , 41, 162-6	14.3	49
406	Standard dosing of amikacin and gentamicin in critically ill patients results in variable and subtherapeutic concentrations. <i>International Journal of Antimicrobial Agents</i> , 2015 , 46, 21-7	14.3	48
405	Population Pharmacokinetics of Fosfomycin in Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 6471-6	5.9	48
404	What Antibiotic Exposures Are Required to Suppress the Emergence of Resistance for Gram-Negative Bacteria? A Systematic Review. <i>Clinical Pharmacokinetics</i> , 2019 , 58, 1407-1443	6.2	47
403	Vancomycin-associated nephrotoxicity: A meta-analysis of administration by continuous versus intermittent infusion. <i>International Journal of Antimicrobial Agents</i> , 2015 , 46, 249-53	14.3	46
402	Meropenem versus piperacillin-tazobactam for definitive treatment of bloodstream infections due to ceftriaxone non-susceptible <i>Escherichia coli</i> and <i>Klebsiella</i> spp (the MERINO trial): study protocol for a randomised controlled trial. <i>Trials</i> , 2015 , 16, 24	2.8	46
401	Therapeutic drug monitoring of beta-lactam antibiotics in burns patients—a one-year prospective study. <i>Therapeutic Drug Monitoring</i> , 2012 , 34, 160-4	3.2	46
400	Right Dose, Right Now: Customized Drug Dosing in the Critically Ill. <i>Critical Care Medicine</i> , 2017 , 45, 331-336	13.6	45
399	Can therapeutic drug monitoring optimize exposure to piperacillin in febrile neutropenic patients with haematological malignancies? A randomized controlled trial. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 2369-75	5.1	45
398	How severe is antibiotic pharmacokinetic variability in critically ill patients and what can be done about it?. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014 , 79, 441-7	2.9	45
397	How to optimise antimicrobial prescriptions in the Intensive Care Unit: principles of individualised dosing using pharmacokinetics and pharmacodynamics. <i>International Journal of Antimicrobial Agents</i> , 2012 , 39, 187-92	14.3	45

396	Antimicrobial de-escalation in critically ill patients: a position statement from a task force of the European Society of Intensive Care Medicine (ESICM) and European Society of Clinical Microbiology and Infectious Diseases (ESCMID) Critically Ill Patients Study Group (ESGCIP). <i>Intensive Care Medicine</i> , 2020 , 46, 245-265	14.5	45
395	The influence of acute kidney injury on antimicrobial dosing in critically ill patients: are dose reductions always necessary?. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014 , 79, 77-84	2.9	43
394	Plasma and target-site subcutaneous tissue population pharmacokinetics and dosing simulations of cefazolin in post-trauma critically ill patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1495-502	5.1	43
393	Can physicochemical properties of antimicrobials be used to predict their pharmacokinetics during extracorporeal membrane oxygenation? Illustrative data from ovine models. <i>Critical Care</i> , 2015 , 19, 437	10.8	42
392	A new regimen for continuous infusion of vancomycin during continuous renal replacement therapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2013 , 68, 2859-65	5.1	42
391	Using PK/PD to optimize antibiotic dosing for critically ill patients. <i>Current Pharmaceutical Biotechnology</i> , 2011 , 12, 2070-9	2.6	42
390	Ampicillin/sulbactam: its potential use in treating infections in critically ill patients. <i>International Journal of Antimicrobial Agents</i> , 2013 , 42, 384-9	14.3	41
389	Characteristics of bloodstream infections in burn patients: An 11-year retrospective study. <i>Burns</i> , 2012 , 38, 685-90	2.3	40
388	Therapeutic drug monitoring-guided continuous infusion of piperacillin/tazobactam significantly improves pharmacokinetic target attainment in critically ill patients: a retrospective analysis of four years of clinical experience. <i>Infection</i> , 2019 , 47, 1001-1011	5.8	39
387	The efficacy and safety of adrenergic blockade after burn injury: A systematic review and meta-analysis. <i>Journal of Trauma and Acute Care Surgery</i> , 2016 , 80, 146-55	3.3	39
386	Understanding PK/PD. <i>Intensive Care Medicine</i> , 2016 , 42, 1797-1800	14.5	38
385	Key considerations on nebulization of antimicrobial agents to mechanically ventilated patients. <i>Clinical Microbiology and Infection</i> , 2017 , 23, 640-646	9.5	38
384	Population pharmacokinetics of fluconazole in critically ill patients receiving continuous venovenous hemodiafiltration: using Monte Carlo simulations to predict doses for specified pharmacodynamic targets. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 5868-73	5.9	38
383	Enterovirus D68 disease and molecular epidemiology in Australia. <i>Journal of Clinical Virology</i> , 2015 , 69, 117-21	14.5	37
382	Using pharmacokinetics and pharmacodynamics to optimise dosing of antifungal agents in critically ill patients: a systematic review. <i>International Journal of Antimicrobial Agents</i> , 2012 , 39, 1-10	14.3	37
381	Pharmacokinetics and pharmacodynamics in critically ill patients. <i>Current Opinion in Anaesthesiology</i> , 2010 , 23, 472-8	2.9	37
380	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. <i>Clinical Infectious Diseases</i> , 2021 , 72, 1369-1378	11.6	37
379	LC-MS/MS for Therapeutic Drug Monitoring of anti-infective drugs. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 84, 34-40	14.6	36

378	Population pharmacokinetics and dosing simulations of amoxicillin/clavulanic acid in critically ill patients. <i>Journal of Antimicrobial Chemotherapy</i> , 2013 , 68, 2600-8	5.1	36
377	Quantitative bioanalytical validation of fosfomycin in human whole blood with volumetric absorptive microsampling. <i>Bioanalysis</i> , 2015 , 7, 2585-95	2.1	36
376	The defining a model for antimicrobial stewardship-results from an international cross-sectional survey. <i>World Journal of Emergency Surgery</i> , 2017 , 12, 34	9.2	35
375	Improving vancomycin prescription in critical illness through a drug use evaluation process: a weight-based dosing intervention study. <i>International Journal of Antimicrobial Agents</i> , 2012 , 39, 69-72	14.3	35
374	Can population pharmacokinetic modelling guide vancomycin dosing during continuous renal replacement therapy in critically ill patients?. <i>International Journal of Antimicrobial Agents</i> , 2013 , 41, 564-8	14.3	35
373	Altered antibiotic pharmacokinetics during extracorporeal membrane oxygenation: cause for concern?. <i>Journal of Antimicrobial Chemotherapy</i> , 2013 , 68, 726-7	5.1	35
372	New Regimen for Continuous Infusion of Vancomycin in Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4750-6	5.9	35
371	Impact of β -lactam antibiotic therapeutic drug monitoring on dose adjustments in critically ill patients undergoing continuous renal replacement therapy. <i>International Journal of Antimicrobial Agents</i> , 2017 , 49, 589-594	14.3	34
370	The need for cost-effectiveness analyses of antimicrobial stewardship programmes: A structured review. <i>International Journal of Antimicrobial Agents</i> , 2015 , 46, 140-9	14.3	34
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