

Steven C Wallis

List of Publications by Year in descending order

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Version: 2024-02-01

138
papers

5,519
citations

94433

37
h-index

88630

70
g-index

139
all docs

139
docs citations

139
times ranked

4064
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Microsampling to support pharmacokinetic clinical studies in pediatrics. <i>Pediatric Research</i> , 2022, 91, 1557-1561. | 2.3 | 6 |
| 2 | Population Pharmacokinetics of Vancomycin in Critically Ill Adult Patients Receiving Extracorporeal Membrane Oxygenation (an ASAP ECMO Study). <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0137721. | 3.2 | 7 |
| 3 | <i>In vitro</i> effect of synovial fluid from patients undergoing arthroplasty surgery on MRSA biofilm formation. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 1041-1044. | 3.0 | 2 |
| 4 | Evaluation of low-volume plasma sampling for the analysis of meropenem in clinical samples. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 2155-2162. | 3.7 | 7 |
| 5 | Effect of Different Piperacillin-Tazobactam Dosage Regimens on Synergy of the Combination with Tobramycin against <i>Pseudomonas aeruginosa</i> for the Pharmacokinetics of Critically Ill Patients in a Dynamic Infection Model. <i>Antibiotics</i> , 2022, 11, 101. | 3.7 | 4 |
| 6 | Innovation in microsampling for therapeutic drug monitoring of gentamicin in neonates: a proof-of-concept study. <i>International Journal of Antimicrobial Agents</i> , 2022, 59, 106513. | 2.5 | 1 |
| 7 | Oral fosfomycin activity against <i>Klebsiella pneumoniae</i> in a dynamic bladder infection <i>in vitro</i> model. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 1324-1333. | 3.0 | 6 |
| 8 | Population Pharmacokinetics and Dosing Simulations of Ceftriaxone in Critically Ill Patients Receiving Extracorporeal Membrane Oxygenation (An ASAP ECMO Study). <i>Clinical Pharmacokinetics</i> , 2022, 61, 847-856. | 3.5 | 8 |
| 9 | Use of the Hollow-Fiber Infection Model to Measure the Effect of Combination Therapy of Septic Shock Exposures of Meropenem and Ciprofloxacin against Intermediate and Resistant <i>Pseudomonas aeruginosa</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, , e0214021. | 3.2 | 0 |
| 10 | Caspofungin Population Pharmacokinetic Analysis in Plasma and Peritoneal Fluid in Septic Patients with Intra-Abdominal Infections: A Prospective Cohort Study. <i>Clinical Pharmacokinetics</i> , 2022, 61, 673-686. | 3.5 | 3 |
| 11 | Evaluating Mono- and Combination Therapy of Meropenem and Amikacin against <i>Pseudomonas aeruginosa</i> Bacteremia in the Hollow-Fiber Infection Model. <i>Microbiology Spectrum</i> , 2022, 10, e0052522. | 3.0 | 4 |
| 12 | Population pharmacokinetics of ciprofloxacin in critically ill patients receiving extracorporeal membrane oxygenation (an ASAP ECMO study). <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2022, , 101080. | 1.4 | 3 |
| 13 | Multicenter Population Pharmacokinetic Study of Unbound Ceftriaxone in Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0218921. | 3.2 | 8 |
| 14 | Pharmacodynamic evaluation of piperacillin/tazobactam versus meropenem against extended-spectrum β -lactamase-producing and non-producing <i>Escherichia coli</i> clinical isolates in a hollow-fibre infection model. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 2448-2455. | 3.0 | 3 |
| 15 | Optimal dosing of cefotaxime and desacetylcefotaxime for critically ill paediatric patients. Can we use microsampling?. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 2227-2237. | 3.0 | 1 |
| 16 | Pharmacodynamic evaluation of piperacillin/tazobactam against extended-spectrum β -lactamase-producing versus non-producing <i>Escherichia coli</i> in a hollow-fibre infection model. <i>International Journal of Antimicrobial Agents</i> , 2022, , 106623. | 2.5 | 1 |
| 17 | Plasma and Cerebrospinal Fluid Population Pharmacokinetics of Meropenem in Neurocritical Care Patients: a Prospective Two-Center Study. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, . | 3.2 | 5 |
| 18 | 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. | 5.8 | 85 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Population Pharmacokinetics of Levetiracetam in Patients with Traumatic Brain Injury and Subarachnoid Hemorrhage Exhibiting Augmented Renal Clearance. <i>Clinical Pharmacokinetics</i> , 2021, 60, 655-664. | 3.5 | 16 |
| 20 | A Loading Micafungin Dose in Critically Ill Patients Undergoing Continuous Venovenous Hemofiltration or Continuous Venovenous Hemodiafiltration: A Population Pharmacokinetic Analysis. <i>Therapeutic Drug Monitoring</i> , 2021, 43, 747-755. | 2.0 | 3 |
| 21 | Evaluation of Meropenem+Ciprofloxacin Combination Dosage Regimens for the Pharmacokinetics of Critically Ill Patients With Augmented Renal Clearance. <i>Clinical Pharmacology and Therapeutics</i> , 2021, 109, 1104-1115. | 4.7 | 16 |
| 22 | Pharmacodynamic Evaluation of a Single Dose versus a 24-Hour Course of Multiple Doses of Cefazolin for Surgical Prophylaxis. <i>Antibiotics</i> , 2021, 10, 602. | 3.7 | 2 |
| 23 | Development and validation of a UHPLC-MS/MS method to measure cefotaxime and metabolite desacetylcefotaxime in blood plasma: a pilot study suitable for capillary microsampling in critically ill children. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4483-4491. | 3.7 | 2 |
| 24 | Prospective Cohort Study of Micafungin Population Pharmacokinetic Analysis in Plasma and Peritoneal Fluid in Septic Patients with Intra-abdominal Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0230720. | 3.2 | 4 |
| 25 | Pharmacodynamics of once- versus twice-daily dosing of nebulized amikacin in an in vitro Hollow-Fiber Infection Model against 3 clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 100, 115329. | 1.8 | 2 |
| 26 | Population Pharmacokinetics of Piperacillin and Tazobactam in Critically Ill Patients Receiving Extracorporeal Membrane Oxygenation: an ASAP ECMO Study. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0143821. | 3.2 | 9 |
| 27 | Pharmacokinetics of fluconazole and ganciclovir as combination antimicrobial chemotherapy on ECMO: a case report. <i>International Journal of Antimicrobial Agents</i> , 2021, 58, 106431. | 2.5 | 5 |
| 28 | Population pharmacokinetics of cefepime in critically ill patients receiving extracorporeal membrane oxygenation (an ASAP ECMO study). <i>International Journal of Antimicrobial Agents</i> , 2021, 58, 106466. | 2.5 | 12 |
| 29 | A validated LC-MS/MS method for the simultaneous quantification of the novel combination antibiotic, ceftolozane+tazobactam, in plasma (total and unbound), CSF, urine and renal replacement therapy effluent: application to pilot pharmacokinetic studies. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 921-933. | 2.3 | 4 |
| 30 | The pharmacokinetics of meropenem and piperacillin-tazobactam during sustained low efficiency haemodiafiltration (SLED-HDF). <i>European Journal of Clinical Pharmacology</i> , 2020, 76, 239-247. | 1.9 | 5 |
| 31 | Cerebrospinal Fluid Penetration of Ceftolozane-Tazobactam in Critically Ill Patients with an Indwelling External Ventricular Drain. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 65, . | 3.2 | 15 |
| 32 | Pharmacodynamic Evaluation of Plasma and Epithelial Lining Fluid Exposures of Amikacin against <i>Pseudomonas aeruginosa</i> in a Dynamic <i>In Vitro</i> Hollow-Fiber Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, . | 3.2 | 7 |
| 33 | Ticarcillin and piperacillin adsorption on to polyethersulfone haemodiafilter membranes in an ex-vivo circuit. <i>International Journal of Antimicrobial Agents</i> , 2020, 56, 106058. | 2.5 | 4 |
| 34 | Ceftolozane+tazobactam in an elastomeric infusion device for ambulatory care: an in vitro stability study. <i>European Journal of Hospital Pharmacy</i> , 2020, 27, e84-e86. | 1.1 | 15 |
| 35 | Clinically Relevant Epithelial Lining Fluid Concentrations of Meropenem with Ciprofloxacin Provide Synergistic Killing and Resistance Suppression of Hypermutable <i>Pseudomonas aeruginosa</i> in a Dynamic Biofilm Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, . | 3.2 | 7 |
| 36 | An Integrated Dialysis Pharmacometric (IDP) Model to Evaluate the Pharmacokinetics in Patients Undergoing Renal Replacement Therapy. <i>Pharmaceutical Research</i> , 2020, 37, 96. | 3.5 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Pharmacokinetics of Sulfamethoxazole and Trimethoprim During Venovenous Extracorporeal Membrane Oxygenation: A Case Report. <i>Pharmacotherapy</i> , 2020, 40, 713-717. | 2.6 | 1 |
| 38 | Low levels of salicylic acid and salicyluric acid are present in synovial fluid of patients taking aspirin at the time of knee arthroplasty surgery. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 1635-1637. | 1.9 | 2 |
| 39 | Comparative Plasma Pharmacokinetics of Ceftriaxone and Ertapenem in Normoalbuminemia, Hypoalbuminemia, and Albumin Replacement in a Sheep Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, . | 3.2 | 4 |
| 40 | Conventional Pig as Animal Model for Human Renal Drug Excretion Processes: Unravelling the Porcine Renal Function by Use of a Cocktail of Exogenous Markers. <i>Frontiers in Pharmacology</i> , 2020, 11, 883. | 3.5 | 14 |
| 41 | Pharmacodynamic evaluation of intermittent versus extended and continuous infusions of piperacillin/tazobactam in a hollow-fibre infection model against <i>Klebsiella pneumoniae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2633-2640. | 3.0 | 12 |
| 42 | Prophylactic Cefazolin Dosing in Women With Body Mass Index $\geq 35 \text{ kg}\cdot\text{m}^{-2}$ Undergoing Cesarean Delivery: A Pharmacokinetic Study of Plasma and Interstitial Fluid. <i>Anesthesia and Analgesia</i> , 2020, 131, 199-207. | 2.2 | 14 |
| 43 | Population pharmacokinetics of ticarcillin in critically ill patients receiving extended daily diafiltration. <i>International Journal of Antimicrobial Agents</i> , 2019, 54, 351-355. | 2.5 | 2 |
| 44 | Population Pharmacokinetics of Unbound Ceftolozane and Tazobactam in Critically Ill Patients without Renal Dysfunction. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, . | 3.2 | 35 |
| 45 | Pharmacokinetics of Total and Unbound Cefazolin during Veno-Arterial Extracorporeal Membrane Oxygenation: A Case Report. <i>Chemotherapy</i> , 2019, 64, 115-118. | 1.6 | 4 |
| 46 | Population pharmacokinetics of total and unbound concentrations of intravenous posaconazole in adult critically ill patients. <i>Critical Care</i> , 2019, 23, 205. | 5.8 | 22 |
| 47 | Analysis of capillary microsamples obtained from a skin-prick to measure vancomycin concentrations as a valid alternative to conventional sampling: A bridging study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 169, 288-292. | 2.8 | 12 |
| 48 | In-vitro adsorption and sieving coefficient of ticarcillin-clavulanate during continuous haemofiltration. <i>International Journal of Antimicrobial Agents</i> , 2019, 54, 261-264. | 2.5 | 7 |
| 49 | Defining optimal dosing of ciprofloxacin in patients with septic shock. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 1662-1669. | 3.0 | 18 |
| 50 | Meropenem-Tobramycin Combination Regimens Combat Carbapenem-Resistant <i>Pseudomonas aeruginosa</i> in the Hollow-Fiber Infection Model Simulating Augmented Renal Clearance in Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 64, . | 3.2 | 21 |
| 51 | A validated LC-MS/MS method for the simultaneous quantification of meropenem and vaborbactam in human plasma and renal replacement therapy effluent and its application to a pharmacokinetic study. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7831-7840. | 3.7 | 11 |
| 52 | A Population Pharmacokinetic Model-Guided Evaluation of Ceftolozane-Tazobactam Dosing in Critically Ill Patients Undergoing Continuous Venovenous Hemodiafiltration. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 64, . | 3.2 | 21 |
| 53 | Lung Pharmacokinetics of Tobramycin by Intravenous and Nebulized Dosing in a Mechanically Ventilated Healthy Ovine Model. <i>Anesthesiology</i> , 2019, 131, 344-355. | 2.5 | 17 |
| 54 | Population Pharmacokinetics of Periarticular Ketorolac in Adult Patients Undergoing Total Hip or Total Knee Replacement Surgery. <i>Anesthesia and Analgesia</i> , 2019, 129, 701-708. | 2.2 | 6 |

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|----|---|-----|-----------|
| 55 | Evidence of clinical response and stability of Ceftolozane/Tazobactam used to treat a carbapenem-resistant <i>Pseudomonas Aeruginosa</i> lung abscess on an outpatient antimicrobial program. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 941-942. | 2.5 | 9 |
| 56 | Optimization and Evaluation of Piperacillin-Tobramycin Combination Dosage Regimens against <i>Pseudomonas aeruginosa</i> for Patients with Altered Pharmacokinetics via the Hollow-Fiber Infection Model and Mechanism-Based Modeling. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 3.2 | 21 |
| 57 | Pharmacokinetics of Intravenous Posaconazole in Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 3.2 | 17 |
| 58 | Characterisation of 40â€”mg/ml and 100â€”mg/ml tobramycin formulations for aerosol therapy with adult mechanical ventilation. <i>Pulmonary Pharmacology and Therapeutics</i> , 2018, 50, 93-99. | 2.6 | 4 |
| 59 | Clinical application of microsampling versus conventional sampling techniques in the quantitative bioanalysis of antibiotics: a systematic review. <i>Bioanalysis</i> , 2018, 10, 407-423. | 1.5 | 25 |
| 60 | Maximally effective dosing regimens of meropenem in patients with septic shock. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 191-198. | 3.0 | 40 |
| 61 | A UHPLCâ€”MS/MS method for the simultaneous determination of piperacillin and tazobactam in plasma (total and unbound), urine and renal replacement therapy effluent. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 148, 324-333. | 2.8 | 23 |
| 62 | A research pathway for the study of the delivery and disposition of nebulised antibiotics: an incremental approach from in vitro to large animal models. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 17. | 1.9 | 7 |
| 63 | Recovery rates of combination antibiotic therapy using in vitro microdialysis simulating in vivo conditions. <i>Journal of Pharmaceutical Analysis</i> , 2018, 8, 407-412. | 5.3 | 6 |
| 64 | A pharmacokinetic case study of intravenous posaconazole in a critically ill patient with hypoalbuminaemia receiving continuous venovenous haemodiafiltration. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 506-509. | 2.5 | 7 |
| 65 | <i>Ex Vivo</i> Characterization of Effects of Renal Replacement Therapy Modalities and Settings on Pharmacokinetics of Meropenem and Vaborbactam. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, . | 3.2 | 27 |
| 66 | Population Pharmacokinetics of Piperacillin in Nonobese, Obese, and Morbidly Obese Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, . | 3.2 | 54 |
| 67 | Substantial Impact of Altered Pharmacokinetics in Critically Ill Patients on the Antibacterial Effects of Meropenem Evaluated via the Dynamic Hollow-Fiber Infection Model. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, . | 3.2 | 34 |
| 68 | Caspofungin Population Pharmacokinetics in Critically Ill Patients Undergoing Continuous Veno-Venous Haemofiltration or Haemodiafiltration. <i>Clinical Pharmacokinetics</i> , 2017, 56, 1057-1068. | 3.5 | 32 |
| 69 | An LCâ€”MS/MS method to determine vancomycin in plasma (total and unbound), urine and renal replacement therapy effluent. <i>Bioanalysis</i> , 2017, 9, 911-924. | 1.5 | 17 |
| 70 | A validated UHPLCâ€”MS/MS method for the measurement of riluzole in plasma and myocardial tissue samples. <i>Biomedical Chromatography</i> , 2017, 31, e4030. | 1.7 | 1 |
| 71 | Impact of renal replacement modalities on the clearance of piperacillin-tazobactam administered via continuous infusion in critically ill patients. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 227-231. | 2.5 | 20 |
| 72 | Effect of Obesity on the Population Pharmacokinetics of Meropenem in Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 4577-4584. | 3.2 | 38 |

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|----|--|-----|-----------|
| 73 | Is there a role for microsampling in antibiotic pharmacokinetic studies?. Expert Opinion on Drug Metabolism and Toxicology, 2016, 12, 601-614. | 3.3 | 20 |
| 74 | Effect of Obesity on the Population Pharmacokinetics of Fluconazole in Critically Ill Patients. Antimicrobial Agents and Chemotherapy, 2016, 60, 6550-6557. | 3.2 | 38 |
| 75 | Effect of time on recovery of plasma microsamples for the quantitative determination of vancomycin. Bioanalysis, 2016, 8, 2235-2242. | 1.5 | 29 |
| 76 | Optimising meropenem dosing in critically ill Australian Indigenous patients with severe sepsis. International Journal of Antimicrobial Agents, 2016, 48, 542-546. | 2.5 | 30 |
| 77 | Stability of Antibiotics for Intraperitoneal Administration in Extraneal 7.5% Icodextrin Peritoneal Dialysis Bags (Stab Study). Peritoneal Dialysis International, 2016, 36, 421-426. | 2.3 | 11 |
| 78 | Pharmacokinetics of Piperacillin in Critically Ill Australian Indigenous Patients with Severe Sepsis. Antimicrobial Agents and Chemotherapy, 2016, 60, 7402-7406. | 3.2 | 14 |
| 79 | Total and unbound ceftriaxone pharmacokinetics in critically ill Australian Indigenous patients with severe sepsis. International Journal of Antimicrobial Agents, 2016, 48, 748-752. | 2.5 | 22 |
| 80 | Determination of Cefalothin and Cefazolin in Human Plasma, Urine and Peritoneal Dialysate by UHPLC-MS/MS: application to a pilot pharmacokinetic study in humans. Biomedical Chromatography, 2016, 30, 872-879. | 1.7 | 22 |
| 81 | Effect of different renal function on antibacterial effects of piperacillin against <i>Pseudomonas aeruginosa</i> evaluated via the hollow-fibre infection model and mechanism-based modelling. Journal of Antimicrobial Chemotherapy, 2016, 71, 2509-2520. | 3.0 | 38 |
| 82 | Influence of Renal Replacement Modalities on Amikacin Population Pharmacokinetics in Critically Ill Patients on Continuous Renal Replacement Therapy. Antimicrobial Agents and Chemotherapy, 2016, 60, 4901-4909. | 3.2 | 29 |
| 83 | 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. | 8.2 | 244 |
| 84 | Pharmacokinetics of Intraperitoneal Cefalothin and Cefazolin in Patients Being Treated for Peritoneal Dialysis-Associated Peritonitis. Peritoneal Dialysis International, 2016, 36, 415-420. | 2.3 | 7 |
| 85 | Sampling Antibiotics in Renal Replacement Therapy (SMARRT): an observational pharmacokinetic study in critically ill patients. BMC Infectious Diseases, 2016, 16, 103. | 2.9 | 14 |
| 86 | Comparison of equal doses of continuous venovenous haemofiltration and haemodiafiltration on ciprofloxacin population pharmacokinetics in critically ill patients. Journal of Antimicrobial Chemotherapy, 2016, 71, 1643-1650. | 3.0 | 16 |
| 87 | Pharmacokinetics of a novel dosing regimen of oral melatonin in critically ill patients. Clinical Chemistry and Laboratory Medicine, 2016, 54, 467-72. | 2.3 | 19 |
| 88 | 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. | 3.0 | 129 |
| 89 | Population Pharmacokinetics of Doripenem in Critically Ill Patients with Sepsis in a Malaysian Intensive Care Unit. Antimicrobial Agents and Chemotherapy, 2016, 60, 206-214. | 3.2 | 11 |
| 90 | Can We Use an Ex Vivo Continuous Hemofiltration Model to Describe the Adsorption and Elimination of Meropenem and Piperacillin?. International Journal of Artificial Organs, 2015, 38, 419-424. | 1.4 | 13 |

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|-----|---|-----|-----------|
| 91 | Are standard doses of piperacillin sufficient for critically ill patients with augmented creatinine clearance?. <i>Critical Care</i> , 2015, 19, 28. | 5.8 | 111 |
| 92 | 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. | 5.8 | 181 |
| 93 | Quantitative bioanalytical validation of fosfomycin in human whole blood with volumetric absorptive microsampling. <i>Bioanalysis</i> , 2015, 7, 2585-2595. | 1.5 | 45 |
| 94 | 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. | 5.8 | 67 |
| 95 | Pharmacokinetics of meropenem in critically ill patients receiving continuous venovenous haemofiltration: A randomised controlled trial of continuous infusion versus intermittent bolus administration. <i>International Journal of Antimicrobial Agents</i> , 2015, 45, 41-45. | 2.5 | 50 |
| 96 | Are interstitial fluid concentrations of meropenem equivalent to plasma concentrations in critically ill patients receiving continuous renal replacement therapy?. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 528-533. | 3.0 | 21 |
| 97 | 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, 1495-1502. | 3.0 | 60 |
| 98 | 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. | 5.8 | 108 |
| 99 | Pharmacokinetics of piperacillin in critically ill patients receiving continuous venovenous haemofiltration: A randomised controlled trial of continuous infusion versus intermittent bolus administration. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, 39-44. | 2.5 | 28 |
| 100 | A validated method for the quantification of fosfomycin on dried plasma spots by HPLC-MS/MS: Application to a pilot pharmacokinetic study in humans. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 509-514. | 2.8 | 23 |
| 101 | An UHPLC-MS/MS method for the simultaneous determination of ampicillin and sulbactam in human plasma and urine. <i>Bioanalysis</i> , 2015, 7, 2311-2319. | 1.5 | 9 |
| 102 | Assays for therapeutic drug monitoring of β -lactam antibiotics: A structured review. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, 367-375. | 2.5 | 95 |
| 103 | Population Pharmacokinetics of Fosfomycin in Critically Ill Patients. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6471-6476. | 3.2 | 59 |
| 104 | A simple LC-MS/MS method using HILIC chromatography for the determination of fosfomycin in plasma and urine: Application to a pilot pharmacokinetic study in humans. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 105, 39-45. | 2.8 | 28 |
| 105 | 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. | 5.8 | 87 |
| 106 | Determining the mechanisms underlying augmented renal drug clearance in the critically ill: use of exogenous marker compounds. <i>Critical Care</i> , 2014, 18, 657. | 5.8 | 64 |
| 107 | Doripenem population pharmacokinetics and dosing requirements for critically ill patients receiving continuous venovenous haemodiafiltration. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 2508-2516. | 3.0 | 29 |
| 108 | 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, 1072-1083. | 5.8 | 843 |

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|-----|--|-----|-----------|
| 109 | Reply to Rhodes et al. <i>Clinical Infectious Diseases</i> , 2014, 59, 907-908. | 5.8 | 2 |
| 110 | Risk factors for target non-attainment during empirical treatment with β -lactam antibiotics in critically ill patients. <i>Intensive Care Medicine</i> , 2014, 40, 1340-1351. | 8.2 | 147 |
| 111 | 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. | 5.8 | 87 |
| 112 | Pharmacokinetics of meropenem and piperacillin in critically ill patients with indwelling surgical drains. <i>International Journal of Antimicrobial Agents</i> , 2013, 42, 90-93. | 2.5 | 24 |
| 113 | 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. | 5.8 | 166 |
| 114 | Altered antibiotic pharmacokinetics during extracorporeal membrane oxygenation: cause for concern?. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 726-727. | 3.0 | 42 |
| 115 | Propylene Glycol and Glycerol Concentration in Ultrasound Gel. <i>Regional Anesthesia and Pain Medicine</i> , 2013, 38, 75-76. | 2.3 | 2 |
| 116 | Pharmacokinetics of Intraperitoneal Gentamicin in Peritoneal Dialysis Patients with Peritonitis (GIPD) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 4.5 | 18 |
| 117 | Sequestration of drugs in the circuit may lead to therapeutic failure during extracorporeal membrane oxygenation. <i>Critical Care</i> , 2012, 16, R194. | 5.8 | 233 |
| 118 | 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. | 1.8 | 90 |
| 119 | DALI: Defining Antibiotic Levels in Intensive care unit patients: a multi-centre point of prevalence study to determine whether contemporary antibiotic dosing for critically ill patients is therapeutic. <i>BMC Infectious Diseases</i> , 2012, 12, 152. | 2.9 | 47 |
| 120 | Development of simulated and ovine models of extracorporeal life support to improve understanding of circuit-host interactions. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2012, 14, 105-11. | 0.1 | 19 |
| 121 | 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, 5238-5242. | 3.2 | 68 |
| 122 | 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, 2039-2043. | 2.3 | 172 |
| 123 | Flucloxacillin dosing in critically ill patients with hypoalbuminaemia: special emphasis on unbound pharmacokinetics. <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1771-1778. | 3.0 | 102 |
| 124 | Meropenem Dosing in Critically Ill Patients with Sepsis Receiving High-Volume Continuous Venovenous Hemofiltration. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2974-2978. | 3.2 | 67 |
| 125 | Cefepime Versus Cefpirome: The Importance of Creatinine Clearance. <i>Anesthesia and Analgesia</i> , 2003, 97, 1149-1154. | 2.2 | 81 |
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