

## List of Publications by Year in descending order

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90  
papers

2,723  
citations

279798

23  
h-index

189892

50  
g-index

91  
all docs

91  
docs citations

91  
times ranked

3904  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Critical factors in the release of drugs from sustained release hydrophilic matrices. Journal of Controlled Release, 2011, 154, 2-19.                            | 9.9 | 405       |
| 2  | Current applications of nanoparticles in infectious diseases. Journal of Controlled Release, 2016, 224, 86-102.  | 9.9 | 321       |
| 3  | Delivery systems to increase the selectivity of antibiotics in phagocytic cells. Journal of Controlled Release, 2008, 125, 210-227.                              | 9.9 | 187       |
| 4  | Drug, enzyme and peptide delivery using erythrocytes as carriers. Journal of Controlled Release, 2004, 95, 27-49.  | 9.9 | 165       |
| 5  | Targeting of Hepatic Macrophages by Therapeutic Nanoparticles. Frontiers in Immunology, 2020, 11, 218.   | 4.8 | 94        |
| 6  | Enteric coating of oral solid dosage forms as a tool to improve drug bioavailability. European Journal of Pharmaceutical Sciences, 2019, 138, 105019.            | 4.0 | 78        |
| 7  | Recent advances in colon drug delivery systems. Journal of Controlled Release, 2020, 327, 703-724.   | 9.9 | 78        |
| 8  | Population pharmacokinetics of amikacin in patients with haematological malignancies. Journal of Antimicrobial Chemotherapy, 1999, 44, 235-242.                  | 3.0 | 70        |
| 9  | High-performance liquid chromatographic validated assay of doxorubicin in rat plasma and tissues. Biomedical Applications, 1999, 721, 271-278.                   | 1.7 | 59        |
| 10 | Factors associated with the performance of carrier erythrocytes obtained by hypotonic dialysis. Blood Cells, Molecules, and Diseases, 2004, 33, 132-140.         | 1.4 | 58        |
| 11 | Drug-loaded erythrocytes: on the road toward marketing approval. Drug Design, Development and Therapy, 2016, 10, 665.  | 4.3 | 57        |
| 12 | Population pharmacokinetics of caffeine in premature neonates. European Journal of Clinical Pharmacology, 1997, 52, 211-217.                                     | 1.9 | 52        |
| 13 | Cell-based drug-delivery platforms. Therapeutic Delivery, 2012, 3, 25-41.  | 2.2 | 52        |
| 14 | Advances in Exosomes-Based Drug Delivery Systems. Macromolecular Bioscience, 2021, 21, e2000269.   | 4.1 | 51        |
| 15 | Recent advances in functionalized nanomaterials for the diagnosis and treatment of bacterial infections. Materials Science and Engineering C, 2021, 121, 111843. | 7.3 | 47        |
| 16 | Pharmacokinetic basis for the use of extended interval dosage regimens of gentamicin in neonates. Journal of Antimicrobial Chemotherapy, 2004, 54, 193-198.      | 3.0 | 46        |
| 17 | Nanoparticles for Signaling in Biodiagnosis and Treatment of Infectious Diseases. International Journal of Molecular Sciences, 2018, 19, 1627.                   | 4.1 | 44        |
| 18 | Population Pharmacokinetics of Gentamicin in Premature Infants. Therapeutic Drug Monitoring, 1992, 14, 177-183.  | 2.0 | 38        |

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|----|---|-----|-----------|
| 19 | Drug Tissue Distribution: Study Methods and Therapeutic Implications. Current Pharmaceutical Design, 2005, 11, 3829-3845.   | 1.9 | 37        |
| 20 | Recent advances in delivery systems for anti-HIV1 therapy. Journal of Drug Targeting, 2007, 15, 21-36.  | 4.4 | 37        |
| 21 | Influence of Clinical Diagnosis in the Population Pharmacokinetics of Amikacin in Intensive Care Unit Patients. Clinical Drug Investigation, 1998, 15, 435-444.   | 2.2 | 29        |
| 22 | PHARMACOKINETICS OF RECTAL KETAMINE IN CHILDREN. British Journal of Anaesthesia, 1989, 63, 671-674.   | 3.4 | 28        |
| 23 | Determination of netilmicin in plasma by HPLC. Journal of Pharmaceutical and Biomedical Analysis, 1995, 13, 1059-1062.  | 2.8 | 23        |
| 24 | Bayesian Forecasting in Paediatric Populations. Clinical Pharmacokinetics, 1996, 31, 325-330.   | 3.5 | 23        |
| 25 | In vitro studies of amikacin-loaded human carrier erythrocytes. Translational Research, 2008, 152, 59-66.   | 5.0 | 23        |
| 26 | Kinetics of ketamine and its metabolites in rabbits with normal and impaired renal function. European Journal of Drug Metabolism and Pharmacokinetics, 1985, 10, 33-39.   | 1.6 | 21        |
| 27 | Pharmacokinetics of amikacin in intensive care unit patients. Journal of Clinical Pharmacy and Therapeutics, 1996, 21, 417-421.   | 1.5 | 20        |
| 28 | Encapsulation and In Vitro Evaluation of Amikacin-Loaded Erythrocytes. Drug Delivery, 2005, 12, 409-416.  | 5.7 | 20        |
| 29 | Gold Nanocarriers for Macrophage-Targeted Therapy of Human Immunodeficiency Virus. Macromolecular Bioscience, 2017, 17, 1600359.  | 4.1 | 20        |
| 30 | Time-dependent pharmacokinetics of cyclosporine (NeoralR) in de novo renal transplant patients. Journal of Clinical Pharmacy and Therapeutics, 2005, 30, 549-557.   | 1.5 | 18        |
| 31 | Pharmacokinetics and biodistribution of amikacin encapsulated in carrier erythrocytes. Journal of Antimicrobial Chemotherapy, 2007, 61, 375-381.  | 3.0 | 18        |
| 32 | Study of the factors influencing the encapsulation of zidovudine in rat erythrocytes. International Journal of Pharmaceutics, 2010, 401, 41-46.   | 5.2 | 17        |
| 33 | High performance liquid chromatography determination of doxorubicin and daunorubicin in plasma using UV detection and column switching. Biomedical Chromatography, 1990, 4, 154-156.                            | 1.7 | 16        |
| 34 | Bioavailability of rectally administered naproxen. International Journal of Pharmaceutics, 1987, 38, 117-122.   | 5.2 | 15        |
| 35 | Evaluating amikacin dosage regimens in intensive care unit patients: A pharmacokinetic/pharmacodynamic analysis using Monte Carlo simulation. International Journal of Antimicrobial Agents, 2013, 42, 155-160. | 2.5 | 15        |
| 36 | Pharmacokinetics and dosing requirements of digoxin in pregnant women treated for fetal supraventricular tachycardia. Expert Review of Clinical Pharmacology, 2017, 10, 911-917.                                | 3.1 | 15        |

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| 37 | Increasing the selectivity of amikacin in rat peritoneal macrophages using carrier erythrocytes. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 320-324.  | 4.0 | 14        |
| 38 | Therapeutic Monitoring of Warfarin: the Appropriate Response Marker. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 52, 1405-1410.   | 2.4 | 14        |
| 39 | Effect of renal impairment on distribution of ofloxacin. <i>Antimicrobial Agents and Chemotherapy</i> , 1990, 34, 455-459.  | 3.2 | 13        |
| 40 | Evaluation of Thermodynamic Ionization Constants by Computation of Spectrophotometric and Potentiometric Experimental Data Obtained Simultaneously from a Flow System. <i>Journal of Pharmaceutical Sciences</i> , 1992, 81, 592-596. | 3.3 | 13        |
| 41 | A comparative study of ofloxacin and ciprofloxacin erythrocyte distribution. , 1998, 19, 71-77.   |     | 12        |
| 42 | New erythrocyte-related delivery systems for biomedical applications. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 42, 38-48.   | 3.0 | 12        |
| 43 | DETERMINATION OF AMBROXOL HYDROCHLORIDE BY HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001, 24, 1007-1014.  | 1.0 | 11        |
| 44 | Population pharmacokinetics of high dose ibuprofen in cystic fibrosis. <i>Archives of Disease in Childhood</i> , 2003, 88, 1128-1130.   | 1.9 | 11        |
| 45 | Pharmacokinetics of cephacetrile in patients undergoing haemodialysis. <i>European Journal of Clinical Pharmacology</i> , 1979, 16, 49-52.  | 1.9 | 10        |
| 46 | Distribution of ciprofloxacin in the isolated rat lung in the presence and absence of tissue oedema. <i>European Journal of Pharmaceutical Sciences</i> , 1999, 8, 203-209.   | 4.0 | 10        |
| 47 | Approaches for dosage individualisation in critically ill patients. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2013, 9, 1481-1493.   | 3.3 | 10        |
| 48 | Thyroxine and Triiodothyronine Kinetics and Extrathyroidal Peripheral Conversion Rate of Thyroxine to Triiodothyronine in Healthy Elderly Humans. <i>Hormone and Metabolic Research</i> , 1981, 13, 626-631.                          | 1.5 | 9         |
| 49 | Pharmacokinetics of cefazolin administered as a new drug delivery system in healthy volunteers. <i>Biopharmaceutics and Drug Disposition</i> , 1988, 9, 377-388.  | 1.9 | 9         |
| 50 | Modification in the pharmacokinetics of amikacin during development. <i>European Journal of Clinical Pharmacology</i> , 1982, 23, 155-160.  | 1.9 | 8         |
| 51 | Amikacin concentrations in serum and blister fluid in healthy volunteers and in patients with renal impairment. <i>Journal of Antimicrobial Chemotherapy</i> , 1983, 12, 481-488.   | 3.0 | 8         |
| 52 | Serum Lidocaine Levels in Patients Undergoing Fibrobronchoscopy. <i>Therapeutic Drug Monitoring</i> , 1983, 5, 201-204.   | 2.0 | 8         |
| 53 | Influence of flow rate on the disposition of levofloxacin and netilmicin in the isolated rat lung. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 24, 325-332.  | 4.0 | 8         |
| 54 | Applications of Metallic Nanoparticles in Antimicrobial Therapy. , 2017, , 411-444.   |     | 8         |

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|----|--|-----|-----------|
| 55 | Influence of Pharmacokinetic Model on Vancomycin Peak Concentration Targets. Therapeutic Drug Monitoring, 1996, 18, 145-148.   | 2.0 | 8         |
| 56 | A review of the isolated kidney as an experimental model for pharmacokinetic studies. Methods and Findings in Experimental and Clinical Pharmacology, 2000, 22, 757.               | 0.8 | 8         |
| 57 | Cell-Based Drug Delivery Platforms. Pharmaceutics, 2021, 13, 2.  | 4.5 | 8         |
| 58 | Influence of the route of administration on the pharmacokinetics of amikacin. European Journal of Clinical Pharmacology, 1981, 19, 367-370.  | 1.9 | 7         |
| 59 | Pharmacokinetic and nephrotoxic study of gentamicin in rabbits using a new dosage regimen. European Journal of Drug Metabolism and Pharmacokinetics, 1989, 14, 169-175.            | 1.6 | 7         |
| 60 | POPULATION PHARMACOKINETIC STUDY OF GENTAMICIN AND A BAYESIAN APPROACH IN PATIENTS WITH RENAL IMPAIRMENT. Journal of Clinical Pharmacy and Therapeutics, 1989, 14, 213-223.        | 1.5 | 7         |
| 61 | Digoxin pharmacokinetics in patients with high serum digoxin concentrations. Journal of Clinical Pharmacy and Therapeutics, 1993, 18, 63-68.                                       | 1.5 | 7         |
| 62 | Evaluation of renal function equations to predict amikacin clearance. Expert Review of Clinical Pharmacology, 2019, 12, 805-813.   | 3.1 | 7         |
| 63 | Physiologically Based Pharmacokinetic (PBPK) Model of Gold Nanoparticle-Based Drug Delivery System for Stavudine Biodistribution. Pharmaceutics, 2022, 14, 406.                    | 4.5 | 7         |
| 64 | Disposition of dibekacin in patients undergoing haemodialysis. European Journal of Clinical Pharmacology, 1980, 18, 347-350.   | 1.9 | 6         |
| 65 | Pharmacokinetics of amikacin in children with normal and impaired renal function. Kidney International, 1981, 20, 115-121.   | 5.2 | 6         |
| 66 | DETERMINATION OF AMIKACIN IN BIOLOGICAL TISSUES BY HPLC. Journal of Liquid Chromatography and Related Technologies, 2002, 25, 463-473.   | 1.0 | 6         |
| 67 | Comparative study of the disposition of levofloxacin, netilmicin and cefepime in the isolated rat lung. Journal of Pharmacy and Pharmacology, 2010, 57, 861-867.                   | 2.4 | 6         |
| 68 | Optimization of Release Kinetics from Sustained-Release Formulations using Model-Independent Pharmacokinetic Simulation. Journal of Pharmaceutical Sciences, 2011, 100, 3260-3267. | 3.3 | 6         |
| 69 | Influence of diagnostic and treatment factors in the population pharmacokinetics of gentamicin. Journal of Clinical Pharmacy and Therapeutics, 1998, 23, 141-148.                  | 1.5 | 6         |
| 70 | Elimination of cefroxadine (CGP-9000) from patients undergoing dialysis. European Journal of Clinical Pharmacology, 1983, 24, 109-112.   | 1.9 | 5         |
| 71 | The biotransformation kinetics of Ketamine in vitro in rabbit liver and lung microsome fractions. European Journal of Drug Metabolism and Pharmacokinetics, 1986, 11, 9-16.        | 1.6 | 5         |
| 72 | Pharmacokinetics of dibekacin in young adult and geriatric patients. Journal of Antimicrobial Chemotherapy, 1980, 6, 737-742.  | 3.0 | 4         |

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|----|--|-----|-----------|
| 73 | Non-linear tissue binding of amikacin in rats: the effect of renal impairment. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 1987, 12, 193-201.  | 1.6 | 4         |
| 74 | Choice of optimum pharmacokinetic model of orally administered paracetamol. <i>Biopharmaceutics and Drug Disposition</i> , 1988, 9, 389-396.   | 1.9 | 4         |
| 75 | A Computer Program(DCN) for Numerical Convolution and Deconvolution of Pharmacokinetic Functions.. <i>Journal of Pharmacobio-dynamics</i> , 1992, 15, 203-214.   | 0.5 | 4         |
| 76 | Pharmacokinetic parameters of netilmicin and protective effect of piperacillin regarding nephrotoxicity caused by netilmicin. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 1998, 23, 143-147. | 1.6 | 4         |
| 77 | DETERMINATION OF AMIKACIN IN BIOLOGICAL TISSUES BY HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2002, 25, 287-297.   | 1.0 | 4         |
| 78 | Amikacin initial dosage in patients with hypoalbuminaemia: an interactive tool based on a population pharmacokinetic approach. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2222-2231.                 | 3.0 | 4         |
| 79 | Evaluation of Current Amikacin Dosing Recommendations and Development of an Interactive Nomogram: The Role of Albumin. <i>Pharmaceutics</i> , 2021, 13, 264.   | 4.5 | 4         |
| 80 | Cells and Cell Ghosts as Drug Carriers. , 2006, , 329-348.   |     | 4         |
| 81 | Ceforanide pharmacokinetics in haemodialysis: The effect of ultrafiltration. <i>Biopharmaceutics and Drug Disposition</i> , 1986, 7, 335-346.  | 1.9 | 3         |
| 82 | Distribution kinetics of netilmicin in human blister fluid: Effect of renal impairment. <i>Biopharmaceutics and Drug Disposition</i> , 1991, 12, 149-162.  | 1.9 | 3         |
| 83 | A comparative study of the population pharmacokinetics of gentamicin and amikacin in newborn patients. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 1993, 18, 411-413.                                   | 1.5 | 3         |
| 84 | Influence of the infusion rate on disposition of netilmicin in the isolated rat perfused kidney. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 16, 133-141.   | 4.0 | 3         |
| 85 | Evaluation of population pharmacokinetic models for amikacin dosage individualization in critically ill patients. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 759-766.                                 | 2.4 | 3         |
| 86 | Influence of dose on the disposition kinetics of netilmicin in the isolated kidney of the rat. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2002, 27, 127-133.                                | 1.6 | 1         |
| 87 | Influence of Verapamil and Digoxin on the in Vitro Binding of Doxorubicin to the Rat Heart.. <i>Biological and Pharmaceutical Bulletin</i> , 1998, 21, 839-843.  | 1.4 | 0         |
| 88 | Clinical Pharmacokinetic Applications of Recirculatory Models. , 2015, , .   |     | 0         |
| 89 | Virtual congresses for pharmaceutical learning. , 2013, , .  |     | 0         |
| 90 | Nanoparticle Production for Biomedical Applications via Laser Ablation Synthesis in Solution. , 2013, , 283-308.   |     | 0         |