# Jashvant D Unadkat

List of Publications by Year
in descending order

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| 207 papers | 10,966 citations | 18482 62 h-index | 42399 92 g-index |
| 211 all docs | 211 docs citations | 211 times ranked | 8046 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Role of the Breast Cancer Resistance Protein (BCRP/ABCG2) in Drug Transportâ€"an Update. AAPS Journal, 2015, 17, 65-82. | 4.4 | 463 |
| 2 | Role of the breast cancer resistance protein (ABCG2) in drug transport. AAPS Journal, 2005, 7, E118-E133. | 4.4 | 358 |
| 3 | Imaging P-glycoprotein transport activity at the human blood-brain barrier with positron emission tomography. Clinical Pharmacology and Therapeutics, 2005, 77, 503-514. | 4.7 | 243 |
| 4 | Protein Abundance of Clinically Relevant Multidrug Transporters along the Entire Length of the Human Intestine. Molecular Pharmaceutics, 2014, 11, 3547-3555. | 4.6 | 211 |
| 5 | HIV Protease Inhibitors Are Inhibitors but Not Substrates of the Human Breast Cancer Resistance Protein (BCRP/ABCG2). Journal of Pharmacology and Experimental Therapeutics, 2004, 310, 334-341. | 2.5 | 200 |
| 6 | Transporters in Drug Development: 2018 ITC Recommendations for Transporters of Emerging Clinical Importance. Clinical Pharmacology and Therapeutics, 2018, 104, 890-899. | 4.7 | 185 |
| 7 | The role of transporters in drug interactions. European Journal of Pharmaceutical Sciences, 2006, 27, 501-517. | 4.0 | 178 |
| 8 | Drug interactions at the blood-brain barrier: Fact or fantasy?â˜†. , 2009, 123, 80-104. | | 173 |
| 9 | Interindividual Variability in Hepatic Organic Anion-Transporting Polypeptides and P-Glycoprotein (ABCB1) Protein Expression: Quantification by Liquid Chromatography Tandem Mass Spectroscopy and Influence of Genotype, Age, and Sex. Drug Metabolism and Disposition, 2014, 42, 78-88. | 3.3 | 169 |
| 10 | P-glycoprotein and breast cancer resistance protein expression in human placentae of various gestational ages. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R963-R969. | 1.8 | 162 |
| 11 | Activity of P-Glycoprotein, a Î²-Amyloid Transporter at the Bloodâ€"Brain Barrier, Is Compromised in Patients with Mild Alzheimer Disease. Journal of Nuclear Medicine, 2014, 55, 1106-1111. | 5.0 | 156 |
| 12 | Interspecies Variability in Expression of Hepatobiliary Transporters across Human, Dog, Monkey, and Rat as Determined by Quantitative Proteomics. Drug Metabolism and Disposition, 2015, 43, 367-374. | 3.3 | 152 |
| 13 | Regulation of BCRP/ABCG2 expression by progesterone and 17Î²-estradiol in human placental BeWo cells. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E798-E807. | 3.5 | 139 |
| 14 | Pharmacokinetics of acyclovir in the term human pregnancy and neonate. American Journal of Obstetrics and Gynecology, 1991, 164, 569-576. | 1.3 | 138 |
| 15 | Imaging of Cyclosporine Inhibition of P-Glycoprotein Activity Using <sup>11</sup>C-Verapamil in the Brain: Studies of Healthy Humans. Journal of Nuclear Medicine, 2009, 50, 1267-1275. | 5.0 | 127 |
| 16 | Cytochrome P450 Enzymes and Transporters Induced by Anti-Human Immunodeficiency Virus Protease Inhibitors in Human Hepatocytes: Implications for Predicting Clinical Drug Interactions. Drug Metabolism and Disposition, 2007, 35, 1853-1859. | 3.3 | 126 |
| 17 | In situ hybridization and immunolocalization of concentrative and equilibrative nucleoside transporters in the human intestine, liver, kidneys, and placenta. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1809-R1822. | 1.8 | 126 |
| 18 | Mitochondrial Expression of the Human Equilibrative Nucleoside Transporter 1 (hENT1) Results in Enhanced Mitochondrial Toxicity of Antiviral Drugs. Journal of Biological Chemistry, 2004, 279, 4490-4497. | 3.4 | 123 |

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| 19 | Ontogeny of Hepatic Drug Transporters as Quantified by LCâ€MS/MS Proteomics. Clinical Pharmacology and Therapeutics, 2016, 100, 362-370. | 4.7 | 122 |
| 20 | Profiling Gene Expression in Human Placentae of Different Gestational Ages: An OPRU Network and UW SCOR Study. Reproductive Sciences, 2008, 15, 866-877. | 2.5 | 121 |
| 21 | Simultaneous modeling of pharmacokinetics and pharmacodynamics with nonparametric kinetic and dynamic models. Clinical Pharmacology and Therapeutics, 1986, 40, 86-93. | 4.7 | 120 |
| 22 | Facilitated mitochondrial import of antiviral and anticancer nucleoside drugs by human equilibrative nucleoside transporter-3. American Journal of Physiology - Renal Physiology, 2009, 296, G910-G922. | 3.4 | 120 |
| 23 | Abundance of Drug Transporters in the Human Kidney Cortex as Quantified by Quantitative Targeted Proteomics. Drug Metabolism and Disposition, 2016, 44, 1920-1924. | 3.3 | 114 |
| 24 | Placental Drug Transporters. Current Drug Metabolism, 2004, 5, 125-131. | 1.2 | 106 |
| 25 | BCRP Transports Dipyridamole and is Inhibited by Calcium Channel Blockers. Pharmaceutical Research, 2005, 22, 2023-2034. | 3.5 | 104 |
| 26 | Progesterone Receptor (PR) Isoforms PRA and PRB Differentially Regulate Expression of the Breast Cancer Resistance Protein in Human Placental Choriocarcinoma BeWo Cells. Molecular Pharmacology, 2008, 73, 845-854. | 2.3 | 104 |
| 27 | Cyclosporin A, tacrolimus and sirolimus are potent inhibitors of the human breast cancer resistance protein (ABCG2) and reverse resistance to mitoxantrone and topotecan. Cancer Chemotherapy and Pharmacology, 2006, 58, 374-383. | 2.3 | 103 |
| 28 | Intestinal Human Colon Adenocarcinoma Cell Line LS180 Is an Excellent Model to Study Pregnane X Receptor, but Not Constitutive Androstane Receptor, Mediated CYP3A4 and Multidrug Resistance Transporter 1 Induction: Studies with Anti-Human Immunodeficiency Virus Protease Inhibitors. Drug Metabolism and Disposition, 2008, 36, 1172-1180. | 3.3 | 102 |
| 29 | Transporter Expression in Liver Tissue from Subjects with Alcoholic or Hepatitis C Cirrhosis Quantified by Targeted Quantitative Proteomics. Drug Metabolism and Disposition, 2016, 44, 1752-1758. | 3.3 | 100 |
| 30 | The Breast Cancer Resistance Protein (Bcrp1/Abcg2) Limits Fetal Distribution of Glyburide in the Pregnant Mouse: An Obstetric-Fetal Pharmacology Research Unit Network and University of Washington Specialized Center of Research Study. Molecular Pharmacology, 2008, 73, 949-959. | 2.3 | 99 |
| 31 | Interindividual Variability in the Hepatic Expression of the Human Breast Cancer Resistance Protein (BCRP/ABCG2): Effect of Age, Sex, and Genotype. Journal of Pharmaceutical Sciences, 2013, 102, 787-793. | 3.3 | 99 |
| 32 | Complex Drug Interactions of HIV Protease Inhibitors 1: Inactivation, Induction, and Inhibition of Cytochrome P450 3A by Ritonavir or Nelfinavir. Drug Metabolism and Disposition, 2011, 39, 1070-1078. | 3.3 | 96 |
| 33 | Identification of the Mitochondrial Targeting Signal of the Human Equilibrative Nucleoside Transporter 1 (hENT1). Journal of Biological Chemistry, 2006, 281, 16700-16706. | 3.4 | 95 |
| 34 | Clinical Pharmacokinetics of Zidovudine. Clinical Pharmacokinetics, 1989, 17, 1-9. | 3.5 | 92 |
| 35 | Advancing Predictions of Tissue and Intracellular Drug Concentrations Using InÂVitro, Imaging and Physiologically Based Pharmacokinetic Modeling Approaches. Clinical Pharmacology and Therapeutics, 2018, 104, 865-889. | 4.7 | 92 |
| 36 | Expansion of a PBPK model to predict disposition in pregnant women of drugs cleared via multiple CYP enzymes, including CYP2B6, CYP2C9 and CYP2C19. British Journal of Clinical Pharmacology, 2014, 77, 554-570. | 2.4 | 91 |

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| 37 | Metabolism of dapsone to its hydroxylamine by CYP2E1 in vitro and in vivo*. Clinical Pharmacology and Therapeutics, 1995, 58, 556-566. | 4.7 | 90 |
| 38 | Optimized Approaches for Quantification of Drug Transporters in Tissues and Cells by MRM Proteomics. AAPS Journal, 2014, 16, 634-648. | 4.4 | 90 |
| 39 | Verapamil P-glycoprotein Transport across the Rat Blood-Brain Barrier: Cyclosporine, a Concentration Inhibition Analysis, and Comparison with Human Data. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 704-710. | 2.5 | 87 |
| 40 | New insights into the pharmacology and cytotoxicity of gemcitabine and 2â€²,2â€²-difluorodeoxyuridine. Molecular Cancer Therapeutics, 2008, 7, 2415-2425. | 4.1 | 85 |
| 41 | Placental ABC Transporters: Biological Impact and Pharmaceutical Significance. Pharmaceutical Research, 2016, 33, 2847-2878. | 3.5 | 84 |
| 42 | Expression of the breast cancer resistance protein (Bcrp1/Abcg2) in tissues from pregnant mice: effects of pregnancy and correlations with nuclear receptors. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1295-E1304. | 3.5 | 83 |
| 43 | Effect of Pregnancy on Cytochrome P450 3a and P-Glycoprotein Expression and Activity in the Mouse: Mechanisms, Tissue Specificity, and Time Course. Molecular Pharmacology, 2008, 74, 714-723. | 2.3 | 81 |
| 44 | Intestinal absorption of ribavirin is preferentially mediated by the Na+-nucleoside purine (N1) transporter. Pharmaceutical Research, 1998, 15, 950-952. | 3.5 | 79 |
| 45 | A Single Glycine Mutation in the Equilibrative Nucleoside Transporter Gene, hENT1, Alters Nucleoside Transport Activity and Sensitivity to Nitrobenzylthioinosine. Biochemistry, 2002, 41, 1512-1519. | 2.5 | 79 |
| 46 | Interindividual Variability in Hepatic Expression of the Multidrug Resistance-Associated Protein 2 (MRP2/ABCC2): Quantification by Liquid Chromatography/Tandem Mass Spectrometry. Drug Metabolism and Disposition, 2012, 40, 852-855. | 3.3 | 79 |
| 47 | Transport vs. Metabolism: What Determines the Pharmacokinetics and Pharmacodynamics of Drugs? Insights From the Extended Clearance Model. Clinical Pharmacology and Therapeutics, 2016, 100, 413-418. | 4.7 | 79 |
| 48 | Drug Concentration Asymmetry in Tissues and Plasma for Small Moleculeâ€“Related Therapeutic Modalities. Drug Metabolism and Disposition, 2019, 47, 1122-1135. | 3.3 | 79 |
| 49 | A Physiologically Based Pharmacokinetic Model to Predict Disposition of CYP2D6 and CYP1A2 Metabolized Drugs in Pregnant Women. Drug Metabolism and Disposition, 2013, 41, 801-813. | 3.3 | 78 |
| 50 | Toward a Consensus on Applying Quantitative Liquid Chromatographyâ€Tandem Mass Spectrometry Proteomics in Translational Pharmacology Research: A White Paper. Clinical Pharmacology and Therapeutics, 2019, 106, 525-543. | 4.7 | 77 |
| 51 | Human Equilibrative Nucleoside Transporter-3 (hENT3) Spectrum Disorder Mutations Impair Nucleoside Transport, Protein Localization, and Stability. Journal of Biological Chemistry, 2010, 285, 28343-28352. | 3.4 | 76 |
| 52 | Pharmacometrics in Pregnancy: An Unmet Need. Annual Review of Pharmacology and Toxicology, 2014, 54, 53-69. | 9.4 | 76 |
| 53 | Pharmacokinetics and Safety of Indinavir in Human Immunodeficiency Virus-Infected Pregnant Women. Antimicrobial Agents and Chemotherapy, 2007, 51, 783-786. | 3.2 | 75 |
| 54 | Development of a Novel Maternal-Fetal Physiologically Based Pharmacokinetic Model II: Verification of the Model for Passive Placental Permeability Drugs. Drug Metabolism and Disposition, 2017, 45, 939-946. | 3.3 | 75 |

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| 55 | Development of a Novel Maternal-Fetal Physiologically Based Pharmacokinetic Model I: Insights into Factors that Determine Fetal Drug Exposure through Simulations and Sensitivity Analyses. Drug Metabolism and Disposition, 2017, 45, 920-938. | 3.3 | 74 |
| 56 | Abundance of Phase 1 and 2 Drug-Metabolizing Enzymes in Alcoholic and Hepatitis C Cirrhotic Livers: A Quantitative Targeted Proteomics Study. Drug Metabolism and Disposition, 2018, 46, 943-952. | 3.3 | 74 |
| 57 | Breast Cancer Resistance Protein 1 Limits Fetal Distribution of Nitrofurantoin in the Pregnant Mouse. Drug Metabolism and Disposition, 2007, 35, 2154-2158. | 3.3 | 73 |
| 58 | Cytochrome P450-Dependent Catabolism of Vitamin K: Ï‰-Hydroxylation Catalyzed by Human CYP4F2 and CYP4F11. Biochemistry, 2013, 52, 8276-8285. | 2.5 | 72 |
| 59 | Simultaneous Expression of hCNT1-CFP and hENT1-YFP in Madin-Darby Canine Kidney Cells. Journal of Biological Chemistry, 2002, 277, 37711-37717. | 3.4 | 71 |
| 60 | Interactions of azole antifungal agents with the human breast cancer resistance protein (BCRP). Journal of Pharmaceutical Sciences, 2007, 96, 3226-3235. | 3.3 | 71 |
| 61 | A marijuana-drug interaction primer: Precipitants, pharmacology, and pharmacokinetics. , 2019, 201, 25-38. | | 65 |
| 62 | Interindividual and Regional Variability in Drug Transporter Abundance at the Human Bloodâ€“Brain Barrier Measured by Quantitative Targeted Proteomics. Clinical Pharmacology and Therapeutics, 2019, 106, 228-237. | 4.7 | 64 |
| 63 | In Vitro-to-in Vivo Prediction of P-glycoprotein-Based Drug Interactions at the Human and Rodent Blood-Brain Barrier. Drug Metabolism and Disposition, 2008, 36, 481-484. | 3.3 | 63 |
| 64 | Complex Drug Interactions of HIV Protease Inhibitors 2: In Vivo Induction and In Vitro to In Vivo Correlation of Induction of Cytochrome P450 1A2, 2B6, and 2C9 by Ritonavir or Nelfinavir. Drug Metabolism and Disposition, 2011, 39, 2329-2337. | 3.3 | 62 |
| 65 | Expression and hepatobiliary transport characteristics of the concentrative and equilibrative nucleoside transporters in sandwich-cultured human hepatocytes. American Journal of Physiology - Renal Physiology, 2008, 295, G570-G580. | 3.4 | 61 |
| 66 | In vitro LC-MS cocktail assays to simultaneously determine human cytochrome P450 activities. Biopharmaceutics and Drug Disposition, 2007, 28, 257-262. | 1.9 | 59 |
| 67 | Inhibition of P-glycoprotein Activity at the Primate Blood-Brain Barrier Increases the Distribution of Nelfinavir into the Brain but Not into the Cerebrospinal Fluid. Drug Metabolism and Disposition, 2007, 35, 1459-1462. | 3.3 | 58 |
| 68 | The Role of the Equilibrative Nucleoside Transporter 1 (ENT1) in Transport and Metabolism of Ribavirin by Human and Wild-Type or Ent1(-/-) Mouse Erythrocytes. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 387-398. | 2.5 | 57 |
| 69 | Enzyme kinetic properties of human recombinant arylamine n-acetyltransferase 2 allotypic variants expressed in Escherichia coli. Biochemical Pharmacology, 1995, 50, 697-703. | 4.4 | 55 |
| 70 | Effect of Gestational Age on mRNA and Protein Expression of Polyspecific Organic Cation Transporters during Pregnancy. Drug Metabolism and Disposition, 2013, 41, 2225-2232. | 3.3 | 53 |
| 71 | Gestational Ageâ€“Dependent Abundance of Human Placental Transporters as Determined by Quantitative Targeted Proteomics. Drug Metabolism and Disposition, 2020, 48, 735-741. | 3.3 | 53 |
| 72 | FUNCTIONAL ANALYSIS OF THE HUMAN VARIANTS OF BREAST CANCER RESISTANCE PROTEIN: I206L, N590Y, AND D620N. Drug Metabolism and Disposition, 2005, 33, 697-705. | 3.3 | 51 |

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| 73 | Contributions of human cytochrome P450 enzymes to glyburide metabolism. Biopharmaceutics and Drug Disposition, 2010, 31, 228-242. | 1.9 | 51 |
| 74 | Induction of Hepatic CYP3A Enzymes by Pregnancy-Related Hormones: Studies in Human Hepatocytes and Hepatic Cell Lines. Drug Metabolism and Disposition, 2013, 41, 281-290. | 3.3 | 51 |
| 75 | Positron Emission Tomography Imaging of [<sup>11</sup>C]Rosuvastatin Hepatic Concentrations and Hepatobiliary Transport in Humans in the Absence and Presence of Cyclosporin A. Clinical Pharmacology and Therapeutics, 2019, 106, 1056-1066. | 4.7 | 51 |
| 76 | Metabolism of 3â€²-azido-3â€²-deoxythymidine (AZT) in human placentae trophoblasts and Hofbauer cells. Biochemical Pharmacology, 1994, 48, 383-389. | 4.4 | 50 |
| 77 | Predicting the Potential for Cannabinoids to Precipitate Pharmacokinetic Drug Interactions via Reversible Inhibition or Inactivation of Major Cytochromes P450. Drug Metabolism and Disposition, 2020, 48, 1008-1017. | 3.3 | 50 |
| 78 | Functional expression of human intestinal Na+-dependent and Na+-independent nucleoside transporters in Xenopus laevis oocytes. Biochemical Pharmacology, 1997, 53, 1909-1918. | 4.4 | 49 |
| 79 | Ontogenic and longitudinal activity of Na<sup>+</sup>-nucleoside transporters in the human intestine. American Journal of Physiology - Renal Physiology, 2001, 280, G475-G481. | 3.4 | 49 |
| 80 | Glycine 154 of the equilibrative nucleoside transporter, hENT1, is important for nucleoside transport and for conferring sensitivity to the inhibitors nitrobenzylthioinosine, dipyridamole, and dilazep. Biochemical Pharmacology, 2004, 67, 453-458. | 4.4 | 49 |
| 81 | Electrophysiological Characterization and Modeling of the Structure Activity Relationship of the Human Concentrative Nucleoside Transporter 3 (hCNT3). Molecular Pharmacology, 2006, 69, 1542-1553. | 2.3 | 48 |
| 82 | Simultaneous PET Imaging of P-Glycoprotein Inhibition in Multiple Tissues in the Pregnant Nonhuman Primate. Journal of Nuclear Medicine, 2009, 50, 798-806. | 5.0 | 47 |
| 83 | PET Imaging of Oatp-Mediated Hepatobiliary Transport of [11C] Rosuvastatin in the Rat. Molecular Pharmaceutics, 2014, 11, 2745-2754. | 4.6 | 47 |
| 84 | Organic anion transporting polypeptide 2B1 â€“ More than a glass-full of drug interactions. , 2019, 196, 204-215. | | 45 |
| 85 | Quantitative Transporter Proteomics by Liquid Chromatography with Tandem Mass Spectrometry: Addressing Methodologic Issues of Plasma Membrane Isolation and Expression-Activity Relationship. Drug Metabolism and Disposition, 2015, 43, 284-288. | 3.3 | 44 |
| 86 | Hormonal Regulation of BCRP Expression in Human Placental BeWo Cells. Pharmaceutical Research, 2008, 25, 444-452. | 3.5 | 43 |
| 87 | Substrate- and Species-dependent Inhibition of P-glycoprotein-mediated Transport: Implications for Predicting in vivo Drug Interactions. Journal of Pharmaceutical Sciences, 2011, 100, 3055-3061. | 3.3 | 43 |
| 88 | Transporter Expression in Noncancerous and Cancerous Liver Tissue from Donors with Hepatocellular Carcinoma and Chronic Hepatitis C Infection Quantified by LC-MS/MS Proteomics. Drug Metabolism and Disposition, 2018, 46, 189-196. | 3.3 | 43 |
| 89 | Inhibition of sulfamethoxazole hydroxylamine formation by fluconazole in human liver microsomes and healthy volunteers*. Clinical Pharmacology and Therapeutics, 1996, 59, 332-340. | 4.7 | 41 |
| 90 | In vitro models to predict the in vivo mechanism, rate, and extent of placental transfer of dideoxynucleoside drugs against human immunodeficiency virus. American Journal of Obstetrics and Gynecology, 1999, 180, 198-206. | 1.3 | 40 |

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| 91 | Studies on the Role of Metabolic Activation in Tyrosine Kinase Inhibitorâ€“Dependent Hepatotoxicity: Induction of CYP3A4 Enhances the Cytotoxicity of Lapatinib in HepaRG Cells. Drug Metabolism and Disposition, 2014, 42, 162-171. | 3.3 | 40 |
| 92 | Molecular Mechanisms for Species Differences in Organic Anion Transporter 1, OAT1: Implications for Renal Drug Toxicity. Molecular Pharmacology, 2018, 94, 689-699. | 2.3 | 40 |
| 93 | Successful Prediction of In Vivo Hepatobiliary Clearances and Hepatic Concentrations of Rosuvastatin Using Sandwich-Cultured Rat Hepatocytes, Transporter-Expressing Cell Lines, and Quantitative Proteomics. Drug Metabolism and Disposition, 2018, 46, 66-74. | 3.3 | 40 |
| 94 | Applications, Challenges, and Outlook for PBPK Modeling and Simulation: A Regulatory, Industrial and Academic Perspective. Pharmaceutical Research, 2022, 39, 1701-1731. | 3.5 | 40 |
| 95 | Complex Drug Interactions of the HIV Protease Inhibitors 3: Effect of Simultaneous or Staggered Dosing of Digoxin and Ritonavir, Nelfinavir, Rifampin, or Bupropion. Drug Metabolism and Disposition, 2012, 40, 610-616. | 3.3 | 39 |
| 96 | Solute Carrier Family of the Organic Anion-Transporting Polypeptides 1A2â€“ Madin-Darby Canine Kidney II: A Promising In Vitro System to Understand the Role of Organic Anion-Transporting Polypeptide 1A2 in Blood-Brain Barrier Drug Penetration. Drug Metabolism and Disposition, 2015, 43, 1008-1018. | 3.3 | 39 |
| 97 | Grapefruit Juice, a Glass Full of Drug Interactions?. Clinical Pharmacology and Therapeutics, 2007, 81, 631-633. | 4.7 | 38 |
| 98 | Investigating the contribution of CYP2J2 to ritonavir metabolism in vitro and in vivo. Biochemical Pharmacology, 2014, 91, 109-118. | 4.4 | 38 |
| 99 | The Importance of Incorporating OCT2 Plasma Membrane Expression and Membrane Potential in IVIVE of Metformin Renal Secretory Clearance. Drug Metabolism and Disposition, 2018, 46, 1441-1445. | 3.3 | 38 |
| 100 | Disposition of drugs in cystic fibrosis. I. Sulfamethoxazole and trimethoprim. Clinical Pharmacology and Therapeutics, 1991, 49, 402-409. | 4.7 | 37 |
| 101 | Different Modes of Transport for <sup>3</sup>H-Thymidine, <sup>3</sup>H-FLT, and <sup>3</sup>H-FMAU in Proliferating and Nonproliferating Human Tumor Cells. Journal of Nuclear Medicine, 2010, 51, 1464-1471. | 5.0 | 37 |
| 102 | Modulation of P-glycoprotein at the Human Blood-Brain Barrier by Quinidine or Rifampin Treatment: A Positron Emission Tomography Imaging Study. Drug Metabolism and Disposition, 2015, 43, 1795-1804. | 3.3 | 37 |
| 103 | A Comparison of Total and Plasma Membrane Abundance of Transporters in Suspended, Plated, Sandwich-Cultured Human Hepatocytes Versus Human Liver Tissue Using Quantitative Targeted Proteomics and Cell Surface Biotinylation. Drug Metabolism and Disposition, 2019, 47, 350-357. | 3.3 | 37 |
| 104 | Pharmacokinetics and Safety of Stavudine in HIVâ€Infected Pregnant Women and Their Infants: Pediatric AIDS Clinical Trials Group Protocol 332. Journal of Infectious Diseases, 2004, 190, 2167-2174. | 4.0 | 36 |
| 105 | Residues Met89 and Ser160 in the Human Equilibrative Nucleoside Transporter 1 Affect Its Affinity for Adenosine, Guanosine, S6-(4-Nitrobenzyl)-mercaptopurine Riboside, and Dipyridamole. Molecular Pharmacology, 2005, 67, 837-844. | 2.3 | 36 |
| 106 | Abundance of Pâ€Glycoprotein and Other Drug Transporters at the Human Bloodâ€Brain Barrier in Alzheimerâ€™s Disease: A Quantitative Targeted Proteomic Study. Clinical Pharmacology and Therapeutics, 2021, 109, 667-675. | 4.7 | 35 |
| 107 | IDENTIFICATION OF CYTOCHROME P450 AND ARYLAMINE N-ACETYLTRANSFERASE ISOFORMS INVOLVED IN SULFADIAZINE METABOLISM. Drug Metabolism and Disposition, 2005, 33, 969-976. | 3.3 | 34 |
| 108 | Functional expression of the human breast cancer resistance protein in Pichia pastoris. Biochemical and Biophysical Research Communications, 2004, 320, 730-737. | 2.1 | 33 |

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| 109 | Simultaneous Measurement of In Vivo P-glycoprotein and Cytochrome P450 3A Activities. Journal of Clinical Pharmacology, 2006, 46, 1313-1319. | 2.0 | 33 |
| 110 | Positron emission tomography imaging of tissue Pâ€glycoprotein activity during pregnancy in the nonâ€human primate. British Journal of Pharmacology, 2010, 159, 394-404. | 5.4 | 33 |
| 111 | Optimized Renal Transporter Quantification by Using Aquaporin 1 and Aquaporin 2 as Anatomical Markers: Application in Characterizing the Ontogeny of Renal Transporters and Its Correlation with Hepatic Transporters in Paired Human Samples. AAPS Journal, 2019, 21, 88. | 4.4 | 33 |
| 112 | Age Affects the Pharmacokinetics of Inhaled Anesthetics in Humans. Anesthesia and Analgesia, 1991, 73, 310???318. | 2.2 | 32 |
| 113 | Mutation of leucine-92 selectively reduces the apparent affinity of inosine, guanosine, NBMPR [S6-(4-nitrobenzyl)-mercaptopurine riboside] and dilazep for the human equilibrative nucleoside transporter, hENT1. Biochemical Journal, 2004, 380, 131-137. | 3.7 | 32 |
| 114 | The Role of Nucleoside Transporters in the Erythrocyte Disposition and Oral Absorption of Ribavirin in the Wild-Type and Equilibrative Nucleoside Transporter 1(â^'/â^') Mice. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 287-296. | 2.5 | 32 |
| 115 | Evaluation of Organic Anion Transporting Polypeptide 1B1 and 1B3 Humanized Mice as a Translational Model to Study the Pharmacokinetics of Statins. Drug Metabolism and Disposition, 2014, 42, 1301-1313. | 3.3 | 31 |
| 116 | Disposition of drugs in cystic fibrosis. IV. Mechanisms for enhanced renal clearance of ticarcillin. Clinical Pharmacology and Therapeutics, 1993, 54, 293-302. | 4.7 | 30 |
| 117 | Changes in maternal liver Cyp2c and Cyp2d expression and activity during rat pregnancy. Biochemical Pharmacology, 2008, 75, 1677-1687. | 4.4 | 30 |
| 118 | Structure-inhibitory profiles of nucleosides for the human intestinal N1 and N2 Na + -nucleoside transporters. Cancer Chemotherapy and Pharmacology, 2000, 46, 394-402. | 2.3 | 29 |
| 119 | Changes in Pharmacokinetics of Anti-HIV Protease Inhibitors during Pregnancy: The Role of CYP3A and P-glycoprotein. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 1202-1209. | 2.5 | 29 |
| 120 | Modeling Cyclosporine A Inhibition of the Distribution of a P-Glycoprotein PET Ligand, <sup>11</sup>C-Verapamil, into the Maternal Brain and Fetal Liver of the Pregnant Nonhuman Primate: Impact of Tissue Blood Flow and Site of Inhibition. Journal of Nuclear Medicine, 2013, 54, 437-446. | 5.0 | 29 |
| 121 | Disposition of drugs in cystic fibrosis. III. Acetaminophen. Clinical Pharmacology and Therapeutics, 1991, 50, 695-701. | 4.7 | 28 |
| 122 | Human intestinal es nucleoside transporter: molecular characterization and nucleoside inhibitory profiles. Cancer Chemotherapy and Pharmacology, 2000, 45, 273-278. | 2.3 | 28 |
| 123 | Identification of CYP3A7 for glyburide metabolism in human fetal livers. Biochemical Pharmacology, 2014, 92, 690-700. | 4.4 | 28 |
| 124 | Prediction of Gestational Ageâ€"Dependent Induction of In Vivo Hepatic CYP3A Activity Based on HepaRG Cells and Human Hepatocytes. Drug Metabolism and Disposition, 2015, 43, 836-842. | 3.3 | 28 |
| 125 | CYP2D6 Is Inducible by Endogenous and Exogenous Corticosteroids. Drug Metabolism and Disposition, 2016, 44, 750-757. | 3.3 | 26 |
| 126 | Targeted LC-MS/MS Proteomics-Based Strategy To Characterize in Vitro Models Used in Drug Metabolism and Transport Studies. Analytical Chemistry, 2018, 90, 11873-11882. | 6.5 | 26 |

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| 127 | Impact of Ignoring Extraction Ratio When Predicting Drug-Drug Interactions, Fraction Metabolized, and Intestinal First-Pass Contribution. Drug Metabolism and Disposition, 2010, 38, 1926-1933. | 3.3 | 25 |
| 128 | P-Glycoprotein-Based Loperamideâ€“Cyclosporine Drug Interaction at the Rat Bloodâ€“Brain Barrier: Prediction from In Vitro Studies and Extrapolation to Humans. Molecular Pharmaceutics, 2012, 9, 629-633. | 4.6 | 25 |
| 129 | Successful Prediction of Human Fetal Exposure to P-Glycoprotein Substrate Drugs Using the Proteomics-Informed Relative Expression Factor Approach and PBPK Modeling and Simulation. Drug Metabolism and Disposition, 2021, 49, 919-928. | 3.3 | 25 |
| 130 | Comprehensive Predictions of Cytochrome P450 (P450)-Mediated In Vivo Cannabinoid-Drug Interactions Based on Reversible and Time-Dependent P450 Inhibition in Human Liver Microsomes. Drug Metabolism and Disposition, 2022, 50, 351-360. | 3.3 | 25 |
| 131 | Sensitive and specific LCâ€MS assay for quantification of digoxin in human plasma and urine. Biomedical Chromatography, 2008, 22, 712-718. | 1.7 | 24 |
| 132 | Testicular Expression of Adora3i2 in Adora3 Knockout Mice Reveals a Role of Mouse A3Ri2 and Human A3Ri3 Adenosine Receptors in Sperm*. Journal of Biological Chemistry, 2010, 285, 33662-33670. | 3.4 | 24 |
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