

Leslie Z Benet, Fcp

List of Publications by Year in descending order

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209
papers

21,707
citations

16411

64
h-index

9553

142
g-index

212
all docs

212
docs citations

212
times ranked

13240
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane transporters in drug development. <i>Nature Reviews Drug Discovery</i> , 2010, 9, 215-236.	21.5	2,886
2	Predicting Drug Disposition via Application of BCS: Transport/Absorption/ Elimination Interplay and Development of a Biopharmaceutics Drug Disposition Classification System. <i>Pharmaceutical Research</i> , 2005, 22, 11-23.	1.7	1,222
3	Overlapping substrate specificities and tissue distribution of cytochrome P450 3A and P-glycoprotein: Implications for drug delivery and activity in cancer chemotherapy. <i>Molecular Carcinogenesis</i> , 1995, 13, 129-134.	1.3	780
4	Noncompartmental Determination of the Steady-State Volume of Distribution. <i>Journal of Pharmaceutical Sciences</i> , 1979, 68, 1071-1074.	1.6	724
5	Changes in plasma protein binding have little clinical relevance. <i>Clinical Pharmacology and Therapeutics</i> , 2002, 71, 115-121.	2.3	680
6	Clearance concepts in pharmacokinetics. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1973, 1, 123-136.	0.6	674
7	Role of intestinal P-glycoprotein (mdr1) in interpatient variation in the oral bioavailability of cyclosporine*. <i>Clinical Pharmacology and Therapeutics</i> , 1997, 62, 248-260.	2.3	654
8	BDDCS Applied to Over 900 Drugs. <i>AAPS Journal</i> , 2011, 13, 519-547.	2.2	532
9	BDDCS, the Rule of 5 and drugability. <i>Advanced Drug Delivery Reviews</i> , 2016, 101, 89-98.	6.6	475
10	The Gut as a Barrier to Drug Absorption. <i>Clinical Pharmacokinetics</i> , 2001, 40, 159-168.	1.6	468
11	Gender Effects in Pharmacokinetics and Pharmacodynamics. <i>Drugs</i> , 1995, 50, 222-239.	4.9	438
12	Acyl Glucuronides Revisited: Is the Glucuronidation Process a Toxication as Well as a Detoxification Mechanism?. <i>Drug Metabolism Reviews</i> , 1992, 24, 5-47.	1.5	393
13	Predicting drug disposition, absorption/elimination/transporter interplay and the role of food on drug absorption. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 717-733.	6.6	379
14	The Role of Transporters in the Pharmacokinetics of Orally Administered Drugs. <i>Pharmaceutical Research</i> , 2009, 26, 2039-2054.	1.7	375
15	Differentiation of absorption and first-pass gut and hepatic metabolism in humans: Studies with cyclosporine*. <i>Clinical Pharmacology and Therapeutics</i> , 1995, 58, 492-497.	2.3	340
16	Bioavailability of cyclosporine with concomitant rifampin administration is markedly less than predicted by hepatic enzyme induction. <i>Clinical Pharmacology and Therapeutics</i> , 1992, 52, 453-457.	2.3	327
17	Effect of OATP1B Transporter Inhibition on the Pharmacokinetics of Atorvastatin in Healthy Volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 2007, 81, 194-204.	2.3	297
18	Unmasking the Dynamic Interplay between Intestinal P-Glycoprotein and CYP3A4. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 1036-1045.	1.3	287

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19	Intestinal MDR transport proteins and P-450 enzymes as barriers to oral drug delivery. <i>Journal of Controlled Release</i> , 1999, 62, 25-31.	4.8	279
20	Intestinal drug transporters: An overview. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1340-1356.	6.6	265
21	The effects of ketoconazole on the intestinal metabolism and bioavailability of cyclosporine*. <i>Clinical Pharmacology and Therapeutics</i> , 1995, 58, 15-19.	2.3	263
22	Active secretion and enterocytic drug metabolism barriers to drug absorption IPII of original article: S0169-409X(96)003304. The article was originally published in <i>Advanced Drug Delivery Reviews</i> 20 (1996) 99-112.1. <i>Advanced Drug Delivery Reviews</i> , 2001, 46, 89-102.	6.6	257
23	Tacrolimus oral bioavailability doubles with coadministration of ketoconazole*. <i>Clinical Pharmacology and Therapeutics</i> , 1997, 62, 41-49.	2.3	254
24	Effects of renal failure on drug transport and metabolism. , 2006, 109, 1-11.		248
25	The Role of BCS (Biopharmaceutics Classification System) and BDDCS (Biopharmaceutics Drug) Tj ETQq1 1 0.784314 rgBT /Overlock 10 34-42.	1.6	242
26	Mouse liver repopulation with hepatocytes generated from human fibroblasts. <i>Nature</i> , 2014, 508, 93-97.	13.7	232
27	The pharmacokinetics and metabolic disposition of tacrolimus: A comparison across ethnic groups. <i>Clinical Pharmacology and Therapeutics</i> , 2001, 69, 24-31.	2.3	187
28	General Treatment of Linear Mammillary Models with Elimination from any Compartment as Used in Pharmacokinetics. <i>Journal of Pharmaceutical Sciences</i> , 1972, 61, 536-541.	1.6	182
29	The Drug Transporterâ™Metabolism Alliance: Uncovering and Defining the Interplay. <i>Molecular Pharmaceutics</i> , 2009, 6, 1631-1643.	2.3	176
30	Grapefruit juice activates P-glycoprotein-mediated drug transport. <i>Pharmaceutical Research</i> , 1999, 16, 478-485.	1.7	173
31	Intestinal drug metabolism and antitransport processes: A potential paradigm shift in oral drug delivery. <i>Journal of Controlled Release</i> , 1996, 39, 139-143.	4.8	166
32	In Vivo Modulation of Intestinal CYP3A Metabolism by P-Glycoprotein: Studies Using the Rat Single-Pass Intestinal Perfusion Model. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 306-314.	1.3	151
33	Active secretion and enterocytic drug metabolism barriers to drug absorption. <i>Advanced Drug Delivery Reviews</i> , 1996, 20, 99-112.	6.6	149
34	Relationship between the pharmacokinetics and pharmacodynamics of procainamide. <i>Clinical Pharmacology and Therapeutics</i> , 1976, 20, 278-289.	2.3	148
35	Prevalence of Acid-Reducing Agents (ARA) in Cancer Populations and ARA Drugâ€™Drug Interaction Potential for Molecular Targeted Agents in Clinical Development. <i>Molecular Pharmaceutics</i> , 2013, 10, 4055-4062.	2.3	143
36	Multiple Transporters Affect the Disposition of Atorvastatin and Its Two Active Hydroxy Metabolites: Application of in Vitro and ex Situ Systems. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 762-771.	1.3	136

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37	P-glycoprotein (P-gp/MDR1)-Mediated Efflux of Sex-Steroid Hormones and Modulation of P-gp Expression In Vitro. <i>Pharmaceutical Research</i> , 2004, 21, 1284-1293.	1.7	129
38	The Use of BDDCS in Classifying the Permeability of Marketed Drugs. <i>Pharmaceutical Research</i> , 2008, 25, 483-488.	1.7	124
39	The effect of water-soluble vitamin E on cyclosporine pharmacokinetics in healthy volunteers*. <i>Clinical Pharmacology and Therapeutics</i> , 1996, 59, 297-303.	2.3	119
40	Elucidating Rifampin's Inducing and Inhibiting Effects on Glyburide Pharmacokinetics and Blood Glucose in Healthy Volunteers: Unmasking the Differential Effects of Enzyme Induction and Transporter Inhibition for a Drug and Its Primary Metabolite. <i>Clinical Pharmacology and Therapeutics</i> , 2009, 85, 78-85.	2.3	119
41	EFFECTS OF UREMIC TOXINS ON HEPATIC UPTAKE AND METABOLISM OF ERYTHROMYCIN. <i>Drug Metabolism and Disposition</i> , 2004, 32, 1239-1246.	1.7	117
42	Effects of Drug Transporters on Volume of Distribution. <i>AAPS Journal</i> , 2009, 11, 250-261.	2.2	116
43	Effect of Food on the Pharmacokinetics of Cyclosporine in Healthy Subjects Following Oral and Intravenous Administration. <i>Journal of Clinical Pharmacology</i> , 1990, 30, 643-653.	1.0	115
44	Drug Discovery and Regulatory Considerations for Improving In Silico and In Vitro Predictions that Use Caco-2 as a Surrogate for Human Intestinal Permeability Measurements. <i>AAPS Journal</i> , 2013, 15, 483-497.	2.2	113
45	Ex Situ Inhibition of Hepatic Uptake and Efflux Significantly Changes Metabolism: Hepatic Enzyme-Transporter Interplay. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 1040-1045.	1.3	104
46	PHARMACOKINETICS OF ATORVASTATIN AND ITS HYDROXY METABOLITES IN RATS AND THE EFFECTS OF CONCOMITANT RIFAMPICIN SINGLE DOSES: RELEVANCE OF FIRST-PASS EFFECT FROM HEPATIC UPTAKE TRANSPORTERS, AND INTESTINAL AND HEPATIC METABOLISM. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1175-1181.	1.7	101
47	Predicting Drug Disposition via Application of a Biopharmaceutics Drug Disposition Classification System. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 106, 162-167.	1.2	98
48	Premarketing observational studies of population pharmacokinetics of new drugs. <i>Clinical Pharmacology and Therapeutics</i> , 1985, 38, 481-487.	2.3	96
49	CYP3A4-Transfected Caco-2 Cells as a Tool for Understanding Biochemical Absorption Barriers: Studies with Sirolimus and Midazolam. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2004, 308, 143-155.	1.3	96
50	Active transport of the angiotensin-II antagonist losartan and its main metabolite EXP 3174 across MDCK-MDR1 and Caco-2 cell monolayers. <i>British Journal of Pharmacology</i> , 2000, 129, 1235-1243.	2.7	92
51	HEPATIC MICROSOME STUDIES ARE INSUFFICIENT TO CHARACTERIZE IN VIVO HEPATIC METABOLIC CLEARANCE AND METABOLIC DRUG-DRUG INTERACTIONS: STUDIES OF DIGOXIN METABOLISM IN PRIMARY RAT HEPATOCYTES VERSUS MICROSOMES. <i>Drug Metabolism and Disposition</i> , 2004, 32, 1311-1316.	1.7	91
52	The Operational Multiple Dosing Half-life: A Key to Defining Drug Accumulation in Patients and to Designing Extended Release Dosage Forms. <i>Pharmaceutical Research</i> , 2008, 25, 2869-2877.	1.7	85
53	Comparison of Measures of Adherence to Human Immunodeficiency Virus Preexposure Prophylaxis Among Adolescent and Young Men Who Have Sex With Men in the United States. <i>Clinical Infectious Diseases</i> , 2018, 66, 213-219.	2.9	82
54	Characterizing the expression of CYP3A4 and efflux transporters (P-gp, MRP1, and MRP2) in CYP3A4-transfected Caco-2 cells after induction with sodium butyrate and the phorbol ester 12-O-tetradecanoylphorbol-13-acetate. <i>Pharmaceutical Research</i> , 2001, 18, 1102-1109.	1.7	80

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55	IN VITRO AND IN VIVO CORRELATION OF HEPATIC TRANSPORTER EFFECTS ON ERYTHROMYCIN METABOLISM: CHARACTERIZING THE IMPORTANCE OF TRANSPORTER-ENZYME INTERPLAY. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1336-1344.	1.7	78
56	BDDCS Class Prediction for New Molecular Entities. <i>Molecular Pharmaceutics</i> , 2012, 9, 570-580.	2.3	78
57	The BCS, BDDCS, and Regulatory Guidances. <i>Pharmaceutical Research</i> , 2011, 28, 1774-1778.	1.7	77
58	In Vitro and in Vivo Testing and Correlation for Oral Controlled/Modified-Release Dosage Forms. <i>Pharmaceutical Research</i> , 1990, 07, 975-982.	1.7	72
59	Disposition and irreversible plasma protein binding of tolmetin in humans. <i>Clinical Pharmacology and Therapeutics</i> , 1988, 44, 107-114.	2.3	71
60	DISPOSITION OF TACROLIMUS IN ISOLATED PERFUSED RAT LIVER: INFLUENCE OF TROLEANDOMYCIN, CYCLOSPORINE, AND GG918. <i>Drug Metabolism and Disposition</i> , 2003, 31, 1292-1295.	1.7	69
61	Effect of route of administration and distribution on drug action. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1978, 6, 559-585.	0.6	68
62	Effects of Ketoconazole on Digoxin Absorption and Disposition in Rat. <i>Pharmacology</i> , 1998, 56, 308-313.	0.9	68
63	Effect of probenecid on the formation and elimination of acyl glucuronides: Studies with zomepirac. <i>Clinical Pharmacology and Therapeutics</i> , 1985, 38, 121-127.	2.3	67
64	Pharmacokinetics and metabolism of bepridil. <i>American Journal of Cardiology</i> , 1985, 55, C8-C13.	0.7	67
65	High-fat meals increase the clearance of cyclosporine. <i>Pharmaceutical Research</i> , 1990, 07, 46-48.	1.7	66
66	Association of age, baseline kidney function, and medication exposure with declines in creatinine clearance on pre-exposure prophylaxis: an observational cohort study. <i>Lancet HIV</i> , 2016, 3, e521-e528.	2.1	66
67	Improving the prediction of the brain disposition for orally administered drugs using BDDCS. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 95-109.	6.6	65
68	Kinetics of oral ethambutol in the normal subject. <i>Clinical Pharmacology and Therapeutics</i> , 1977, 22, 615-621.	2.3	64
69	Rosuvastatin Pharmacokinetics in Asian and White Subjects Wild Type for Both OATP1B1 and BCRP Under Control and Inhibited Conditions. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2751-2757.	1.6	64
70	An examination of protein binding and protein-facilitated uptake relating to in vitro-in vivo extrapolation. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 502-514.	1.9	63
71	BDDCS Predictions, Self-Correcting Aspects of BDDCS Assignments, BDDCS Assignment Corrections, and Classification for more than 175 Additional Drugs. <i>AAPS Journal</i> , 2016, 18, 251-260.	2.2	60
72	Comparison of bidirectional lamivudine and zidovudine transport using MDCK, MDCK-MDR1, and Caco-2 cell monolayers. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4413-4419.	1.6	58

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73	General treatment of mean residence time, clearance, and volume parameters in linear mammillary models with elimination from any compartment. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1988, 16, 475-492.	0.6	55
74	Distinguishing between the Permeability Relationships with Absorption and Metabolism To Improve BCS and BDDCS Predictions in Early Drug Discovery. <i>Molecular Pharmaceutics</i> , 2014, 11, 1335-1344.	2.3	55
75	Hypersensitivity to nonsteroidal anti-inflammatory drugs. <i>Nature Medicine</i> , 1995, 1, 2-4.	15.2	54
76	Measures of BSEP Inhibition In Vitro Are Not Useful Predictors of DILI. <i>Toxicological Sciences</i> , 2018, 162, 499-508.	1.4	53
77	The Critical Role of Passive Permeability in Designing Successful Drugs. <i>ChemMedChem</i> , 2020, 15, 1862-1874.	1.6	53
78	Differences in Cumulative Exposure and Adherence to Tenofovir in the VOICE, iPrEx OLE, and PrEP Demo Studies as Determined via Hair Concentrations. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, 778-783.	0.5	52
79	The renal elimination of procainamide. <i>Clinical Pharmacology and Therapeutics</i> , 1976, 19, 55-62.	2.3	50
80	Effects of Uptake and Efflux Transporter Inhibition on Erythromycin Breath Test Results. <i>Clinical Pharmacology and Therapeutics</i> , 2007, 81, 828-832.	2.3	48
81	Why Drugs Fail in Late Stages of Development: Case Study Analyses from the Last Decade and Recommendations. <i>AAPS Journal</i> , 2018, 20, 46.	2.2	46
82	The Presence of a Transporter-Induced Protein Binding Shift: A New Explanation for Protein-Facilitated Uptake and Improvement for In Vitro-In Vivo Extrapolation. <i>Drug Metabolism and Disposition</i> , 2019, 47, 358-363.	1.7	44
83	Volume Terms in Pharmacokinetics. <i>Journal of Pharmaceutical Sciences</i> , 1969, 58, 639-641.	1.6	43
84	Pharmacokinetics of cefamandole using a HPLC assay. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1978, 6, 153-164.	0.6	42
85	Hepatic Clearance Predictions from In Vitro-In Vivo Extrapolation and the Biopharmaceutics Drug Disposition Classification System. <i>Drug Metabolism and Disposition</i> , 2016, 44, 1731-1735.	1.7	42
86	Evaluation of DILI Predictive Hypotheses in Early Drug Development. <i>Chemical Research in Toxicology</i> , 2017, 30, 1017-1029.	1.7	42
87	Development and Validation of an Immunoassay for Tenofovir in Urine as a Real-Time Metric of Antiretroviral Adherence. <i>EClinicalMedicine</i> , 2018, 2-3, 22-28.	3.2	42
88	In Vitro-In Vivo Extrapolation and Hepatic Clearance-Dependent Underprediction. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2500-2504.	1.6	42
89	Probenecid-induced changes in the clearance of carprofen enantiomers: A preliminary study. <i>Clinical Pharmacology and Therapeutics</i> , 1989, 45, 500-505.	2.3	40
90	Red wine decreases cyclosporine bioavailability. <i>Clinical Pharmacology and Therapeutics</i> , 2001, 70, 468-474.	2.3	39

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91	Effects of Uremic Toxins on Transport and Metabolism of Different Biopharmaceutics Drug Disposition Classification System Xenobiotics. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3831-3842.	1.6	39
92	Attenuation of furosemide's diuretic effect by indomethacin: Pharmacokinetic evaluation. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1979, 7, 265-274.	0.6	38
93	Characterization of P-glycoprotein mediated transport of K02, a novel vinylsulfone peptidomimetic cysteine protease inhibitor, across MDR1-MDCK and Caco-2 cell monolayers. , 1998, 15, 1520-1524.		38
94	Renal excretion of pseudoephedrine. <i>Clinical Pharmacology and Therapeutics</i> , 1980, 28, 690-694.	2.3	37
95	Elucidating the Effect of Final-Day Dosing of Rifampin in Induction Studies on Hepatic Drug Disposition and Metabolism. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 864-870.	1.3	37
96	Transdermal bioavailability and first-pass skin metabolism: A preliminary evaluation with nitroglycerin. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1987, 15, 423-437.	0.6	36
97	Effect of cimetidine or ranitidine administration on nifedipine pharmacokinetics and pharmacodynamics. <i>Clinical Pharmacology and Therapeutics</i> , 1988, 43, 673-680.	2.3	36
98	There Are No Useful CYP3A Probes that Quantitatively Predict the In Vivo Kinetics of Other CYP3A Substrates and No Expectation that One Will Be Found. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2005, 5, 79-83.	3.4	36
99	Irreversible binding of tolmetin glucuronic acid esters to albumin in vitro. <i>Pharmaceutical Research</i> , 1990, 07, 21-27.	1.7	35
100	The FDA Should Eliminate the Ambiguities in the Current BCS Biowaiver Guidance and Make Public the Drugs for Which BCS Biowaivers Have Been Granted. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 88, 405-407.	2.3	35
101	Variable glyceryl dinitrate formation as a function of route of nitroglycerin administration. <i>Clinical Pharmacology and Therapeutics</i> , 1987, 42, 273-277.	2.3	33
102	Prediction of the distribution volumes of cefazolin and tobramycin in obese children based on physiological pharmacokinetic concepts. <i>Pharmaceutical Research</i> , 1989, 06, 486-491.	1.7	33
103	Hydrochlorothiazide Pharmacokinetics and Pharmacologic Effect: The Influence of Indomethacin. <i>Journal of Clinical Pharmacology</i> , 1982, 22, 32-41.	1.0	32
104	The Universally Unrecognized Assumption in Predicting Drug Clearance and Organ Extraction Ratio. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 521-525.	2.3	32
105	Late-Stage Failures of Monoclonal Antibody Drugs: A Retrospective Case Study Analysis. <i>Pharmacology</i> , 2020, 105, 145-163.	0.9	32
106	Predicting when Biliary Excretion of Parent Drug is a Major Route of Elimination in Humans. <i>AAPS Journal</i> , 2014, 16, 1085-1096.	2.2	31
107	Few Drugs Display Flip-Flop Pharmacokinetics and These Are Primarily Associated with Classes 3 and 4 of the BDDCS. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3229-3235.	1.6	31
108	Ascorbic acid metabolites are involved in intraocular pressure control in the general population. <i>Redox Biology</i> , 2019, 20, 349-353.	3.9	31

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109	Use of General Partial Fraction Theorem for Obtaining Inverse Laplace Transforms in Pharmacokinetic Analysis. <i>Journal of Pharmaceutical Sciences</i> , 1971, 60, 1593-1594.	1.6	30
110	Acute Massive Chloral Hydrate Intoxication Treated with Hemodialysis: A Clinical Pharmacokinetic Analysis. <i>Journal of Clinical Pharmacology</i> , 1978, 18, 136-142.	1.0	30
111	A standard approach to compiling clinical pharmacokinetic data. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1981, 9, 59-127.	0.6	30
112	Glutathione S-transferase-mediated metabolism of glyceryl trinitrate in subcellular fractions of bovine coronary arteries. <i>Pharmaceutical Research</i> , 1992, 09, 1460-1464.	1.7	29
113	Is Ciprofloxacin a Substrate of P-glycoprotein?. <i>Archives of Drug Information</i> , 2011, 4, 1-9.	1.6	29
114	Changes in clearance, volume and bioavailability of immunosuppressants when given with HAART in HIV-1 infected liver and kidney transplant recipients. <i>Biopharmaceutics and Drug Disposition</i> , 2013, 34, 442-451.	1.1	29
115	Successful and Unsuccessful Prediction of Human Hepatic Clearance for Lead Optimization. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3546-3559.	2.9	29
116	Furosemide kinetics and dynamics after kidney transplant. <i>Clinical Pharmacology and Therapeutics</i> , 1981, 30, 105-113.	2.3	28
117	Marked alterations in dose-dependent prednisolone kinetics in women taking oral contraceptives. <i>Clinical Pharmacology and Therapeutics</i> , 1986, 39, 425-429.	2.3	28
118	A human lymphocyte based ex vivo assay to study the effect of drugs on P-glycoprotein (P-gp) function. <i>Pharmaceutical Research</i> , 2001, 18, 39-44.	1.7	28
119	An integrated approach to the pharmacokinetic analysis of drug absorption. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1974, 2, 525-544.	0.6	27
120	Clearance (nÅ©e Rowland) concepts: a downdate and an update. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2010, 37, 529-539.	0.8	27
121	Effect of Single-Dose Rifampin on the Pharmacokinetics of Warfarin in Healthy Volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 88, 540-547.	2.3	27
122	The Use of Betaine HCl to Enhance Dasatinib Absorption in Healthy Volunteers with Rabeprazole-Induced Hypochlorhydria. <i>AAPS Journal</i> , 2014, 16, 1358-1365.	2.2	27
123	Pharmacokinetics of nitroglycerin and its dinitrate metabolites over a thirtyfold range of oral doses. <i>Clinical Pharmacology and Therapeutics</i> , 1990, 47, 592-598.	2.3	26
124	Pharmacokinetics of nicotinic acid & salicylic acid interaction. <i>Clinical Pharmacology and Therapeutics</i> , 1989, 46, 642-647.	2.3	25
125	Are There Any Experimental Perfusion Data that Preferentially Support the Dispersion and Parallel-Tube Models over the Well-Stirred Model of Organ Elimination?. <i>Drug Metabolism and Disposition</i> , 2020, 48, 537-543.	1.7	25
126	Drug metabolism and laboratory anesthetic protocols in the rat: examination of antipyrine pharmacokinetics. <i>Pharmaceutical Research</i> , 1991, 08, 544-546.	1.7	24

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127	Net secretion of furosemide is subject to indomethacin inhibition, as observed in Caco-2 monolayers and excised rat jejunum. <i>Pharmaceutical Research</i> , 1999, 16, 221-224.	1.7	24
128	Pharmacokinetics of Orally and Intravenously Administered Cyclosporine in Pre-renal Kidney Transplant Patients. <i>Journal of Clinical Pharmacology</i> , 1994, 34, 60-67.	1.0	22
129	Predicting the Extent of Metabolism Using <i>in Vitro</i> Permeability Rate Measurements and <i>in Silico</i> Permeability Rate Predictions. <i>Molecular Pharmaceutics</i> , 2015, 12, 1456-1466.	2.3	22
130	How Transporters Have Changed Basic Pharmacokinetic Understanding. <i>AAPS Journal</i> , 2019, 21, 103.	2.2	22
131	State of the Art and Uses for the Biopharmaceutics Drug Disposition Classification System (BDDCS): New Additions, Revisions, and Citation References. <i>AAPS Journal</i> , 2022, 24, 37.	2.2	22
132	Nitroglycerin absorption from transdermal systems: formulation effects and metabolite concentrations. <i>Pharmaceutical Research</i> , 1991, 08, 744-749.	1.7	21
133	pH Dependent but not P-gp Dependent Bidirectional Transport Study of S-propranolol: The Importance of Passive Diffusion. <i>Pharmaceutical Research</i> , 2015, 32, 2516-26.	1.7	21
134	Reliability of In Vitro and In Vivo Methods for Predicting the Effect of P-Glycoprotein on the Delivery of Antidepressants to the Brain. <i>Clinical Pharmacokinetics</i> , 2016, 55, 143-167.	1.6	21
135	Understanding drug-drug interaction and pharmacogenomic changes in pharmacokinetics for metabolized drugs. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2019, 46, 155-163.	0.8	21
136	Investigating the Theoretical Basis for In Vitro-In Vivo Extrapolation (IVIVE) in Predicting Drug Metabolic Clearance and Proposing Future Experimental Pathways. <i>AAPS Journal</i> , 2020, 22, 120.	2.2	21
137	Absorption kinetics of cyclosporine in healthy volunteers. <i>Biopharmaceutics and Drug Disposition</i> , 1989, 10, 591-596.	1.1	19
138	Evaluation of the relevance of DILI predictive hypotheses in early drug development: review of <i>in vitro</i> methodologies vs. BDDCS classification. <i>Toxicology Research</i> , 2018, 7, 358-370.	0.9	19
139	The Extended Clearance Concept Following Oral and Intravenous Dosing: Theory and Critical Analyses. <i>Pharmaceutical Research</i> , 2018, 35, 242.	1.7	19
140	There is Only One Valid Definition of Clearance: Critical Examination of Clearance Concepts Reveals the Potential for Errors in Clinical Drug Dosing Decisions. <i>AAPS Journal</i> , 2021, 23, 67.	2.2	19
141	A Holy Grail of Clinical Pharmacology: Prediction of Drug Pharmacokinetics and Pharmacodynamics in the Individual Patient. <i>Clinical Pharmacology and Therapeutics</i> , 2009, 86, 133-134.	2.3	18
142	Sotalol Permeability in Cultured-Cell, Rat Intestine, and PAMPA System. <i>Pharmaceutical Research</i> , 2012, 29, 1768-1774.	1.7	18
143	Cefamandole kinetics in uremic patients undergoing hemodialysis. <i>Clinical Pharmacology and Therapeutics</i> , 1979, 26, 592-599.	2.3	17
144	Comparison of vasodilatory responses to nitroglycerin and its dinitrate metabolites in human veins. <i>Clinical Pharmacology and Therapeutics</i> , 1992, 52, 590-596.	2.3	17

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145	Chiral Bioequivalence. <i>Clinical Pharmacokinetics</i> , 2000, 39, 459-469.	1.6	16
146	Gastric Reacidification with Betaine HCl in Healthy Volunteers with Rabeprazole-Induced Hypochlorhydria. <i>Molecular Pharmaceutics</i> , 2013, 10, 4032-4037.	2.3	16
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